Chemický ústav
Slovenskej akadémie vied

SPRÁVA O ČINNOSTI
ZA ROK 2017

Bratislava
január 2018

Obsah osnovy Správy o činnosti organizácie SAV za rok 2017

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1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Chemický ústav SAV
Riaditeľ: Ing. Miroslav Kóš, DrSc.
Zástupca riaditeľa: Mgr. Stanislav Kozmon, PhD. (od 1.3.2017)
RNDr. Ján Gajdoš, PhD. (do 28.2.2017)
Vedecký tajomník: RNDr. Desana Lišková, PhD.
Predseda vedeckej rady: Ing. Ján Tkáč, DrSc.
Člen snemu SAV: Ing. Miroslav Kóš, DrSc.
Adresa: Dúbravská cesta 9, 845 38 Bratislava

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Tel.: 02/ 59410201, 02/ 54772080
Fax: 02/ 59410222
E-mail: chemsekr@savba.sk
Názvy a adresy detašovaných pracovísk: nie sú
Vedúci detašovaných pracovísk: nie sú

Typ organizácie: Príspevková od roku 2009

1.2. Údaje o zamestnancoch

Tabuľka 1a Počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T
		M	Ž	M	Ž			
Celkový počet zamestnancov	138	52	86	9	23	128	114,19	68,14
Vedeckí pracovníci	80	35	45	5	19	70	61,18	59,76
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci[1])	15	6	9	3	3	15	11,23	8,38
Odborní pracovníci VŠ (ostatní zamestnanci[2])	3	0	3	0	0	3	3	0
Odborní pracovníci ÚS	30	5	25	1	1	30	29,7	0
Ostatní pracovníci	10	6	4	0	0	10	9,08	0

[1] odmeňovanie podľa 553/2003 Z.z., príloha č. 5
[2] odmeňovanie podľa 553/2003 Z.z., príloha č. 3 a č. 4

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2017 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí, v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
F – fyzický stav zamestnancov k 31.12.2017 (bez riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
P – celoročný priemerný prepočítaný počet zamestnancov
T – celoročný priemerný prepočítaný počet riešiteľov projektov
M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2017)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	II.a.	II.b.
Muži	10	25	1	2	10	19	6
Ženy	2	43	0	0	3	22	20

Tabuľka 1c Štruktúra pracovníkov podľa veku a rodu, ktorí sú riešiteľmi projektov

Veková štruktúra (roky)	< 31	31-35	36-40	41-45	46-50	51-55	56-60	61-65	> 65
Muži	2	6	4	5	2	1	4	5	8
Ženy	6	6	4	4	4	0	6	8	3

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2017

	Kmeňoví zamestnanci		Vedeckí pracovníci		Riešitelia projektov	
	A	B	A	B	A	B
Muži	53,4	51,6	52,8	48,3	51,5	48,0
Ženy	47,4	46,9	44,2	42,5	47,6	46,0
Spolu	49,7	48,6	48,0	44,9	49,4	46,8

A - Prepočet bez zohľadnenia úväzkov zamestnancov
B - Prepočet so zohľadnením úväzkov zamestnancov

1.3. Iné dôležité informácie k základným údajom o organizácii a zmeny za posledné obdobie (v zameraní, v organizačnej štruktúre a pod.)

V roku 2017 nedošlo k žiadnym podstatným zmenám vo vedeckej orientácii Chemického ústavu SAV, ktorá bola naďalej zameraná najmä na riešenie problematiky chémie a biochémie sacharidov a príslušných enzýmových systémov.

V rámci organizačného členenia organizácie (od 1. 1. 2005), je vytvorených osem vedeckých oddelení - Štruktúra a funkcia sacharidov, Glykobiológia, Glykomateriály, Glykochémia, Glykobiotechnológia, Enzymológia sacharidov, Imunochémia glykokonjugátov a Zbierka kvasiniek (tieto vedecké oddelenia spolu tvoria Centrum glykomiky) a tri spoločné nevedecké oddelenia - Analytické, Realizačné a Ekonomicko-technické oddelenie.

Chemický ústav SAV bol v rámci pravidelných hodnotení vedeckých organizácií SAV (akreditácie) v roku 2007, 2012 a 2016 zaradený do kategórií A* (rok 2007), A (rok 2012) a B (rok 2016), čo svedčí o vysokej kvalite vedecko-výskumnej práce a ostatných zohľadňovaných ukazovateľov.

Od 1. 1. 2009 sa zmenila forma hospodárenia ústavu z rozpočtovej na príspevkovú.

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Domáce projekty riešené v roku 2017

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
			A				B	
	A	B	Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty VEGA	18	4	156749	156749	-	-	3799	-
2. Projekty APVV	7	6	-	-	223686	215297	-	56374
3. Projekty OP ŠF	0	0	-	-	-	-	-	-
4. Projekty SASPRO	1	0	38240	38240	25493	25493	-	-
5. Projekty centier excelentnosti SAV	0	0	-	-	-	-	-	-
6. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	0	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Domáce projekty podané v roku 2017

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2017	-	9	5
2. Projekty výziev OP ŠF podané r. 2017	Bratislava	0	0
	Regióny	0	0

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2017

Tabuľka 2c Medzinárodné projekty riešené v roku 2017

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
			A				B	
	A	B	Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty 7. RP EÚ a Horizont 2020	2	1	-	-	127961	127961	-	48330
2. Projekty ERA.NET, ESA, JRP	0	1	-	-	-	-	-	-
3. Projekty COST	0	6	-	-	-	-	-	3125
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVF, ERDF a iné	0	0	-	-	-	-	-	-
5. Projekty v rámci medzivládnych dohôd	2	0	-	-	-	-	-	-
6. Bilaterálne projekty MAD	0	0	-	-	-	-	-	-
7. Bilaterálne projekty ostatné	0	1	-	-	-	-	-	2872
8. Podpora MVTS z národných zdrojov (SAV, APVV a iné)	4	7	15873	15873	-	28165	18588	5775
9. Iné projekty	0	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty Horizont 2020 podané v roku 2017

Výzva: H2020-MSCA-ITN-2017
Názov: Predictive Cancer Test
Koordinátor: University of Bath, Bath, UK
Zodpovedný zahraničný riešiteľ: Dr. Pedro Estrela
Zodpovedný riešiteľ z CHÚ: Ing. Ján Tkáč, DrSc.
Počet riešiteľských inštitúcií: 10 (Nemecko: 1, Veľká Británia: 4, Holandsko: 1, Švajčiarsko: 1, Írsko: 1, Taliansko: 1, Portugalsko: 1, Slovensko: 1)
Stav: zamietnutý

Výzva: H2020-ERC-2017-POC
Názov: A Novel Detection protocols for REliable prostate cancer Assays
Koordinátor: CHÚ SAV
Zodpovedný zahraničný riešiteľ: Ing. Ján Tkáč, DrSc.
Počet riešiteľských inštitúcií: 1
Stav: zamietnutý

Iné medzinárodné projekty podané v roku 2017

Výzva: QNRF – National Priority Research Program
Názov: Diagnostics of breast cancer using advanced detection of cancer biomarkers with focus on glycan profile analysis
Koordinátor: Qatar Univesrity, Qatar
Zodpovedný zahraničný riešiteľ: Dr. Peter Kasák
Zodpovedný riešiteľ z CHÚ: Ing. Ján Tkáč, DrSc.
Počet riešiteľských inštitúcií: 2 (Qatar: 1, Slovensko: 1)
Stav: zamietnutý

Výzva: Visegrad Group (V4)-Korea Joint Research Program On Chemistry and Chemical Engineering
Názov: Novel plasma-chemical methods for nanoparticle formation and its utilization for bio-sensing and energy harvesting
Koordinátor: Korea Aerospace University
Zodpovedný zahraničný riešiteľ: Sang-Yul Lee
Zodpovedný riešiteľ z CHÚ: Ing. Ján Tkáč, DrSc.
Počet riešiteľských inštitúcií: 5 (Kórea: 1, ČR: 1, Poľsko: 1, Maďarsko: 1, Slovensko: 1)
Stav: zamietnutý

Tabuľka 2d Počet projektov Horizont 2020 v roku 2017

	A	**B**
Počet podaných projektov Horizont 2020	1	1

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe B.

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

V nadväznosti na úspešnosť vo výzve OPVaV 2015/3.1/01-SORO a OPVaV 2015/1.1/01-SORO v oblastiach špecializácie RIS3 SK (v roku 2015 ústav získal 2 projekty v celkovej sume ca 19 mil. €; financie boli použité na nákup prístrojovej infraštruktúry), CHÚ SAV sa chcel zapojiť do ďalších výziev v druhej etape pre financovanie výskumných aktivít podľa prílohy v úspešných projektoch (financovanie nákupu spotrebného materiálu, energií a ľudských zdrojov). Tieto výzvy však v roku 2016 a 2017 neboli realizované a ich vyhlásenie sa stále odsúva. Ústav sa však zapojil (ako partner) do troch projektov v rámci iných výziev vyhlásených v roku 2016:

Názov projektu: Centrum medicínskeho, bioaditívneho výskumu a výroby (CEMBAM)
Anglický názov: Centre of medicinal, bioadditive research and production (CEMBAM)
Kód projektu v ITMS2014+: NFP313010D020

Výzva: OPVaI-VA/DP/2016/1.2.1-03
Žiadateľ: Medical Vision, združenie
Partneri: Chemický ústav SAV, Technická univerzita v Košiciach, Panara, s.r.o.
Zodpovedný riešiteľ: MUDr. Stanislav Žiaran
Zodpovedný riešiteľ z CHÚ: Ing. Jaroslav Katrlík, PhD.
Doba riešenia: 06/2017 – 05/2022

Názov projektu: Multiomický dlhodobý strategický výskum kardiomyopatií (KARDIOMICS)
Anglický názov: Multiomics long-term strategic research of cardiomyopathies (KARDIOMICS)
Kód projektu v ITMS2014+: NFP313010C812
Číslo výzvy: OPVaI-VA/DP/2016/1.2.1-03
Žiadateľ: Beset s.r.o.
Partneri: QBSW, a.s., Biomedicínske centrum SAV, Chemický ústav SAV, Technická univerzita v Košiciach, Clinical Research Associate Slovakia s.r.o., MEDIVIS PRO, a.s.
Zodpovedný riešiteľ z CHÚ: RNDr. Ján Mucha, CSc.
Doba riešenia: 06/2017 – 05/2022

Názov projektu: HÍbkové mapovanie molekúl človeka a výskum biomarkerov Alzheimerovej choroby (BioMap)
Anglický názov: Detailed mapping of human molecules and Alzheimer´s disease biomarker research (BioMap)
Kód projektu v ITMS2014+: NFP313010B630
Číslo výzvy: OPVaI-VA/DP/2016/1.2.1-02
Žiadateľ: HighChem s.r.o.
Partneri: Chemický ústav SAV
Zodpovedný riešiteľ: Dr. Ing. Róbert Mistrík
Zodpovedný riešiteľ z CHÚ: Ing. Vladimír Pätoprstý, PhD.
Doba riešenia: 06/2017 – 05/2022

Prvé dva podané projekty boli úspešné, avšak kvôli pochybeniam zo strany Výskumnej agentúry pri vyhodnocovaní projektov, k ich realizácii nedošlo, pretože financovanie všetkých projektov v týchto výzvach bolo v roku 2017 pozastavené zo strany EC Brusel a následne boli obidve výzvy zrušené. V roku 2017 neboli vypísané žiadne nové výzvy OPVaV resp. OPVaI. CHÚ SAV má záujem zapojiť sa do avizovaných výziev v roku 2018, pričom prioritou je získať finančnú podporu na spotrebný materiál, energie, ľudské zdroje a dobudovanie infraštruktúry.

2.3. Najvýznamnejšie výsledky vedeckej práce

2.3.1. Základný výskum

Protonizácia swainsonínu ovplyvňuje jeho viazanie v Golgi α-manozidáze – teoretická predikcia (Sládek, Kóňa)

Po prvýkrát bol podaný ucelený výklad spôsobu viazania prírodného alkaloidu swainsonínu (SW) v Golgi α-manozidáze II (GMII) na základe ab initio kvantovo-chemických výpočtov. Doterajšie interpretácie inhibičných vlastností SW boli najmä na základe geometrických porovnaní s tranzitným intermediátom reakcie katalyzovanej v GMII. Bolo upresnené, že táto analógia je platná iba v prípade, ak sa SW viaže v protonizovanej forme SW^{+}, čo nebolo dosiaľ zohľadňované. Preukázané bolo, že naviazaný SW mimikuje Michaelov komplex. Očakáva sa experimentálne potvrdenie uvedených poznatkov a ich zohľadnenie pri de novo navrhovaných štruktúrach inhibítorov GMII. (**Chemický ústav SAV**).

SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki. In silico analysis of interaction pattern switching in ligand···receptor binding in Golgi α-mannosidase II induced by the protonated states of inhibitors. In Physical Chemistry Chemical Physics, 2017, vol. 19, p. 12527-12537. (4.123 - IF2017). (2017 - Current Contents). ISSN 1463-9076. (ADCA)

2.3.2. Aplikačný typ

Využitie nanomateriálov alebo kontroly procesu imobilizácie rôznych molekúl v nanoškále na rôzne praktické aplikácie (Bertók, Bertóková, Filip, Vikartovská, Holazová rod. Šedivá, Belická rod. Kluková, Lorencová, Damborská rod. Pihíková, Belický, Damborský, Květoň, Tkáč)

Imobilizácia tiolov s zwiteriónovým charakterom na povrchu zlatých nanočastíc bola využitá na špecifickú prekoncentráciu DNA s možnosťou jej cieleného uvoľnenia. Takýto prístup je možné využiť na cielené doručenie DNA ale i ďalších látok akými sú nanočastice, biomakromolekuly pri príprave biosenzorov a rozličných nano zariadení (1). Vrstva zlatých nanočastíc bola využitá aj na imobilizáciu protilátok na detekciu rakovinového biomarkera (2). Oxid grafénu ako nosič bol využitý na prípravu lektínového biosenzora (3), ako i na konštrukciu enzýmovej biokatódy využiteľnej na prípravu biobatérií (4). Kontrola imobilizácie tiolov alebo lektínov v nanoškále viedla k príprave povrchov, ktoré odolávali nešpecifickým interakciám buniek (5) alebo umožňovali vyšetrovať väzbu biomarkera rakoviny s lektínmi (6). Ďalšími procesmi s kontrolou imobilizácie v nanoškále bolo využitie fragmentov protilátok (veľkosť cca 3 nm), ktoré v porovnaní s kompletnými protilátkami (veľkosť cca 10 nm) dokázali oveľa citlivejšie detegovať analyt pri konštrukcii biosenzora (7) a využitie kontrolovanej imobilizácie naviazaním glykánu (Tn antigénu) s projektovanou plochou (1 nm × 1 nm) na nanonosič – ľudský sérový albumín (cca 5 – 6 nm) pri detekcii protilátok (8). Nový typ 2D nanomateriálu MXénu bol po prvýkrát využitý ako senzor na detekciu peroxidu vodíka s dosiahnutím jednej z najvyšších opísaných prúdových hustôt a najnižších limitov detekcie (9). Dve prehľadové práce (10, 11) a jedna kniha (12) boli zamerané na diskusiu možnosti využitia nanomateriálov, či už pri príprave biosenzorov, ale i v oblasti glykomiky na cielenú diagnostiku, terapiu, zobrazovanie tkanív/buniek, či pre koncentráciu rozličných analytov. Projekty FP7-311532, FP7-317420, APVV 0282-11 a NPRP 6-381-1-078 (**Chemický ústav SAV**).

(1). FILIP Jaroslav - POPELKA, Anton - BERTÓK, Tomáš - HOLAZOVÁ, Alena - OSIČKA, Jozef - KOLLÁR, Jozef - ILČÍKOVÁ, Markéta - TKÁČ, Ján - KASÁK, Peter. pH-switchable interaction of a carboxybetaine ester-based SAM with DNA and gold nanoparticles. In *Langmuir*, 2017, vol. 33, p. 6657-6666. (3.833 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0743-7463. (ADCA)

(2). JOLLY, Pawan - ZHURAUSKI, Pavel - HAMMOND, Jules L. - MIODEK, Anna - LIÉBANA, Susana - BERTÓK, Tomáš - TKÁČ, Ján - ESTRELA, Pedro. Self-assembled gold nanoparticles for impedimetric and amperometric detection of a prostate cancer biomarker. In *Sensors and Actuators B: Chemical*, 2017, vol. 251, p. 637-643. (5.401 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0925-4005. (ADCA)

(3). FILIP, Jaroslav - ZAVAHIR, Sifani - KLUKOVÁ, Ľudmila - TKÁČ, Ján - KASÁK, Peter. Immobilization of concanavalin A lectin on a reduced graphene oxide-thionine surface by glutaraldehyde crosslinking for the construction of an impedimetric biosensor. In *Journal of Electroanalytical Chemistry*, 2017, vol. 794, p. 156-163. (3.012 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q2). (2017 - Current Contents). ISSN 1572-6657. (ADCA)

(4). FILIP, Jaroslav - ANDICSOVÁ-ECKSTEIN, Anita - VIKARTOVSKÁ, Alica - TKÁČ, Ján.

Immobilization of bilirubin oxidase on graphene oxide flakes with different negative charge density for oxygen reduction. The effect of GO charge density on enzyme coverage, electron transfer rate and current density In *Biosensors and Bioelectronics*, 2017, vol. 89, p. 384-389. (7.780 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0956-5663. (ADCA)

(5). SOBOLČIAK, Patrik - POPELKA, Anton - MIČUŠÍK, Matej - SLÁVIKOVÁ, Monika - KRUPA, Igor - MOSNÁČEK, Jaroslav - TKÁČ, Ján - LACÍK, Igor - KASÁK, Peter. Photoimmobilization of zwitterionic polymers on surfaces to reduce cell adhesion. In *Journal of Colloid and Interface Science*, 2017, vol. 500, p. 294-303. (4.233 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q2). (2017 - Current Contents). ISSN 0021-9797. (ADCA)

(6). BELICKÝ, Štefan - ČERNOCKÁ, Hana - BERTÓK, Tomáš - HOLAZOVÁ, Alena - RÉBLOVÁ, Kamila - PALEČEK, Emil - TKÁČ, Ján - OSTATNÁ, Veronika. Label-free chronopotentiometric glycoprofiling of prostate specific antigen using sialic acid recognizing lectins. In *Bioelectrochemistry*, 2017, vol. 117, p. 89-94. (3.346 - IF2016). (kvartil 2016: SJR - Q2; JCR - Q1). (2017 - Current Contents). ISSN 1567-5394. (ADCA)

(7). BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRÍGUEZ, Julia - O'KENNEDY, Richard - TKÁČ, Ján. Full-length antibodies versus single chain antibody fragments for a selective impedimetric lectin-based glycoprofiling of prostate specific antigen. In *Electrochimica Acta*, 2017, vol. 246, p. 399-405. (4.798 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0013-4686. (ADCA)

(8). KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. Optimization of the small glycan presentation for binding a tumor-associated antibody: Application to the construction of an ultrasensitive glycan biosensor. In *Langmuir*, 2017, vol. 33, p. 2709-2716. (3.833 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0743-7463. (ADCA)

(9). LORENCOVÁ, Lenka - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - PAPRČKOVÁ, Darina - VIKARTOVSKÁ, Alica - SASINKOVÁ, Vlasta - FILIP, Jaroslav - KASÁK, Peter - JERIGOVÁ, Monika - VELIČ, Dusan - MAHMOUD, Khaled A. - TKÁČ, Ján. Electrochemical performance of $Ti_3C_2T_x$ MXene in aqueous media: towards ultrasensitive H_2O_2 sensing. In *Electrochimica Acta*, 2017, vol. 235, p. 471-479. (4.798 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0013-4686. (ADCA)

(10). DOŠEKOVÁ, Erika - FILIP, Jaroslav - BERTÓK, Tomáš - BOTH, Peter - KASÁK, Peter - TKÁČ, Ján. Nanotechnology in glycomics. Applications in diagnostics, therapy, imaging and separation processes. In *Medicinal Research Reviews*, 2017, vol. 37, p. 514-626. (8.763 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0198-6325. (ADCA)

(11). DAMBORSKÁ, Dominika - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - LORENCOVÁ, Lenka - KASÁK, Peter - TKÁČ, Ján. Nanomaterial-based biosensors for detection of prostate specific antigen. In *Microchimica Acta*, 2017, vol. 184, p. 3049-3067. (4.580 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0026-3672. (ADCA)

(12). BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - FILIP, Jaroslav - HOLAZOVA, Alena - BELICKÝ Štefan - KASÁK, Peter - TKÁČ, Ján. *Nanobiotechnológie alebo Od lepiacej pásky k medicínskym aplikáciám*. Bratislava: VEDA, 2017, 172 strán. ISBN 978-80-224-1580-4. (AAB)

2.3.3. Medzinárodné vedecké projekty

Nanoštrukturové hybridné organicko-anorganické solárne články (Mičová)

Výskum bol zameraný na anorganickú súčasť hybridných solárnych článkov, konkrétne na oxid zinočnatý. Záujem o tento typ zlúčeniny sa zvyšuje vďaka jej jedinečným chemickým a fyzikálnym vlastnostiam. Pripravené boli nanoštruktúry 1D nanowires s presne definovanou morfológiou. Veľkosť (dĺžka a priemer) a tvar nanoštruktúr boli charakterizované pomocou skenovacej elektrónovej mikroskopie (SEM) a výsledky boli porovnané s výsledkami získanými metódou dynamického rozptylu svetla (DLS). Zistilo sa, že metóda SEM poskytuje presnejšie výsledky charakterizácie nanočastíc. Navrhnutý bol proces transformácie ZnO nanowires na substráte na jeho práškovú formu. Táto metóda kvantitatívnej produkcie nanoštruktúr ZnO v práškovej forme má niekoľko výhod: jednoduchosť, cenovú efektívnosť, produkciu vo väčšom meradle a taktiež aj šetrnosť k životnému prostrediu. Projekt KONNECT 007 (**Chemický ústav SAV**).

MIČOVÁ, Júlia - REMEŠ, Zdeněk - CHANG, Yu-Ying. Production of zinc oxide nanowires power with precisely defined morphology. In *Journal of Electrical Engineering*, 2017, vol. 68, p. 66-69. (0.483 - IF2016). (kvartil 2016: SJR - Q2; JCR - Q4). (2016 - WOS, Scopus). ISSN 1335-3632. (ADNA)

MIČOVÁ, Júlia - ŠTENCLOVÁ, Pavla - REMEŠ, Zdeněk. Surface modification of zinc oxide nanowires with polymer P3DDT. In *E-MRS 2017 Spring Meeting, Symposium R, May 22-26, 2017, Strasbourg, France*. Strasbourg: European Materials Research Society, 2017, p. R P1.28. (AFG)

MIČOVÁ, Júlia - BURYI, Maksym - ŠIMEK, Daniel - NEYKOVA, Neda - CHANG, Yu-Ying - REMEŠ, Zdeněk. Synthesis, optical properties and crystal quality of different zinc oxide nanostructures. In *Extended Abstract Book: Progress in Applied Surface, Interface and Thin Film Science 2017 (SURFINT–SREN V), November 20-23, 2017, Florence, Italy*. Bratislava: Comenius University, 2017, p. 92-93. ISBN 978-80-223-4411-1. (AFG)

STUCHLÍK, Jiří - REMEŠ, Zdeněk - STUCHLÍKOVÁ, The Ha - MIČOVÁ, Júlia. The preparation and functionalization of hybrid nanoparticles. In *Program Book: ICANS 27: The 27th International Conference on Amorphous and Nanocrystalline Semiconductors, 21-25 August 2017, Seoul, Korea*. Seoul: The Korean Information Display Society, 2017, p. 68, P2-5. (AFG)

2.4. Publikačná činnosť (zoznam je uvedený v prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	Počet v r. 2017/ doplnky z r. 2016
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	**1 / 0**
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	**0 / 0**
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	**0 / 0**
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	**0 / 0**
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	**0 / 0**
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	**2 / 0**
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	**1 / 0**
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	**0 / 0**
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	**46 / 0**
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	**5 / 2**
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	**0 / 0**
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	**0 / 0**
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	**0 / 0**
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	**0 / 0**
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	**16 / 1**
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	**2 / 1**
17. Vydané periodiká evidované v CCC, WoS Core Collection, SCOPUS	**1**
18. Ostatné vydané periodiká	**0**
19. Zostavovateľské práce knižného charakteru (FAI)	**3 / 1**
20. Preklady vedeckých a odborných textov (EAJ)	**0 / 0**
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	**0 / 0**
22. Recenzie v časopisoch a zborníkoch (EDI)	**0 / 0**

Evidujú sa len tie práce zamestnancov a doktorandov, v ktorých je uvedená afiliácia k organizácii.

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu	**Q1**	**Q2**	**Q3**	**Q4**	**Spolu**
Podľa IF z r. 2016 (zdroj JCR) *Počet článkov / doplnky 2015*	23 / 0	15 / 0	7 / 0	4 / 2	49 / 2
Podľa SJR z r. 2016 (zdroj Scimago) *Počet článkov / doplnky 2015*	29 / 0	17 / 1	5 / 1	0 / 0	51 / 2

Tabuľka 2g Ohlasy

OHLASY	**Počet v r. 2016/ doplnky z r. 2015**
Citácie vo WOS (1.1, 2.1)	2706 / 90
Citácie v SCOPUS (1.2, 2.2)	290 / 19
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	1 / 1
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0 / 0

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	74/1
Prednášky a vývesky na domácich vedeckých podujatiach	93/2

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

KOZMON, Stanislav. Using the IT4I infrastructure on the enzymatic reactions studies. In *6th Annual Conference of IT4Innovations and 1st Users Conference of IT4Innovations, October 31-November 1, 2017, Ostrava, Czech Republic*.
Abstract published: In *Programme: 6th Annual Conference of IT4Innovations and 1st Users Conference of IT4Innovations, October 31-November 1, 2017, Ostrava, Czech Republic.* Ostrava: VŠB-TU Ostrava, 2017, p. 3. (AFE)

SASINKOVÁ, Vlasta. Využitie Ramanovej spektroskopie pri charakterizácii geologických vzoriek. In *Molekulová spektroskopie 2017 - IX. setkání uživatelů, 2.-4. 10. 2017, Lázně Bělohrad, Česko*.

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - LORENCOVÁ, Lenka - HOLAZOVÁ, Alena - DAMBORSKÁ, Dominika - HUSHEGYI, András - KASÁK, Peter - TKÁČ, Ján. Low cost, disposable, nanostructured interfaces for glycomic studies and medical diagnostics. In *14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia*. (vyžiadaná přednáška - Dr. Bertók)
Abstract published: In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia*. Bratislava: Institute of Chemistry SAS, 2017, p. 33, IL5. ISBN 978-80-971156-3-0. ISSN 1339-7036. (AFF)

MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - KIS, Peter. Use of glycosidases in the synthesis of phenylethanoid synthons of glycophenolics. In *New trends in chemistry - Trends in chemistry, research and education at Faculty of Sciences of P. J. Šafárik University, November 10, 2017, Košice*. (vyžiadaná prednáška - Dr. Mastihuba)
Abstract published: In ORIŇAKOVÁ, Renáta (ed.). *Book of Abstracts: New trends in chemistry - Trends in chemistry, research and education at Faculty of Sciences of P. J. Šafárik University, November 10, 2017, Košice*. Košice: Pavol Jozef Šafárik University, 2017, p. 6. ISBN 978-80-8152-553-7. (AFF)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Diagnostic potential of biosensors in medicinal biotechnology and biomedicine. In *JRC-EC – CEI – ICGEB Workshop: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Bratislava, Slovakia*. (vyžiadaná přednáška - Dr. Tkáč)
Abstract published: In CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). *Book of Abstracts: JRC-EC – CEI – ICGEB Workshop: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Bratislava, Slovakia*. Trnava: University of SS. Cyril and Methodius in Trnava, 2017, p. 38-39. ISBN 978-80-8105-864-6. (AFF)

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

HRICOVÍNI, Miloš. NMR and theoretical analysis of the structure of heparin oligosaccharides. In *Department of Agriculture, University of Milano, Milano, November 23, 2017*.

KOZMON, Stanislav. Štúdium vlastností molekúl a reakčných mechanizmov použitím metód výpočtovej chémie. In *Slovenská chemická spoločnosť pri SAV, cyklus Chemické horizonty, Bratislava, 15. 03. 2017*.

TKÁČ, Ján. Glycoprofiling in prostate cancer. In *Medizinische Universität, Universitätsklinik für Urologie (Prof. Klocker's group), Innsbruck, Austria, October 25, 2017*.

TKÁČ, Ján - BERTÓK, Tomáš. Príprava a využitia glykánových biosenzorov. In *Semináre o možnosti analýzy glykánov, Biofyzikální ústav AV ČR, Brno, Česko, 27. 04. 2017*. (vyžiadaná přednáška - Dr. Tkáč).

TKÁČ, Ján - BERTÓK, Tomáš - FILIP, Jaroslav - LORENCOVÁ, Lenka - BELICKÁ, Ľudmila - HOLAZOVÁ, Alena - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip - KASÁK, Peter. Využitie nanomateriálov pri konštrukcii biosenzorov a bioanód. *In Odpoledne s elektrochemií, Ústav fyzikální chemie J. Heyrovského, Praha, Česko, 11. 12. 2017*.
(vyžiadaná přednáška - Dr. Tkáč).

TKÁČ, Ján - BERTÓK, Tomáš. Glykoprofilácia v diagnostike rakoviny. In *Workshop: Zdravie obyvateľstva a zdravotnícke technológie - budúcnosť biomedicínskeho výskumu a vývoja v SR, Jesséniova lekárska fakulta UK v Martine, Martin, 16. 11. 2017*. (vyžiadaná přednáška - Dr. Tkáč).

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Možnosti využitia komplexných sacharidov v diagnostike ochorení. In *Seminár, Univerzita Pavla Jozefa Šafárika, Ústav chemických vied, Košice, 07. 04. 2017*. (vyžiadaná přednáška - Dr. Tkáč).

UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna. ^{1}H-NMR spectroscopy in inborn errors of metabolism – Guanidinoacetate methyltransferase deficiency. In *Clermont Université, Université Blaise Pascal, Institut de Chimie de Clermont-Ferrand, Clermont-Ferrand, France, October 25, 2017*. (vyžiadaná prednáška - RNDr. Uhliariková).

Ak boli príspevky publikované, sú súčasťou prílohy C, kategória (AFC, AFD, AFE, AFF, AFG, AFH).

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2017

– – –

2.7.1. Vynálezy, na ktoré bol udelený patent

– – –

2.7.2. Prihlásené vynálezy

– – –

2.7.3. Predané licencie

– – –

2.7.4. Realizované patenty

Produkcia spór huby *Trichoderma*, ktoré sú predmetom PP 5108-2008, firmou Azoter, spol. s r. o., Nové Zámky, prevádzka Biozávod, Petrova Ves. V súčasnosti prebieha proces predaja licencie.

Finančný prínos pre organizáciu SAV v roku 2017 a súčet za predošlé roky sa neuvádzajú, ak je zverejnenie v rozpore so zmluvou súvisiacou s realizáciou patentu.

2.8. Účasť expertov na hodnotení národných projektov (APVV, VEGA a iných)

Tabuľka 2i Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Breierová Emília	VEGA	1
Dudášová Hana	Program FCHPT na podporu mladých výskumníkov	2
Hricovíni Miloš	VEGA	1
Katrlík Jaroslav	APVV/VV 2017	2
Kollárová Karin	VEGA	1
Mastihuba Vladimír	VEGA	1
Matulová Mária	VEGA	1
Petruš Ladislav	APVV/VV 2017	1
Stratilová Eva	APVV/VV 2017	1
Tkáč Ján	VEGA	3

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 0

2.10. Recenzovanie publikácií a príspevkov vo vedeckých časopisoch

Tabuľka 2j Počet recenzovaných monografií, článkov, zborníkov

Meno pracovníka	Knižné monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra-ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra-ničné
Biely Peter	0	0	5	0	0	0	0
Breierová Emília	0	0	1	0	3	0	0
Bučko Marek	0	0	5	0	0	0	0
Capek Peter	0	0	8	0	0	0	0
Dudášová Hana	0	0	1	0	0	0	0
Gemeiner Peter	0	0	11	0	0	0	0
Hricovíni Miloš	0	0	2	0	0	0	0
Katrlík Jaroslav	1	0	5	0	0	0	0
Klaudiny Jaroslav	0	0	1	0	0	0	0
Kollárová Karin	0	0	7	1	1	0	0
Kóňa Juraj	0	0	3	0	0	0	0
Lišková Desana	0	0	2	0	0	0	0
Lorencová Lenka	0	0	2	0	0	0	0
Mastihuba Vladimír	0	0	5	0	0	0	0
Matulová Mária	0	0	3	0	0	0	0
Nahálka Jozef	0	0	2	0	0	0	0
Petruš Ladislav	0	0	1	0	0	0	0
Puchart Vladimír	0	0	2	0	0	0	0
Sládek Vladimír	0	0	2	0	0	0	0
Tkáč Ján	0	0	74	0	0	0	0
Tvaroška Igor	0	0	10	0	0	0	0
Vadkertiová Renáta	0	0	4	0	0	0	0
Vikartovská Alica	0	0	1	0	0	0	0
Spolu	**1**	**0**	**157**	**1**	**4**	**0**	**0**

2.11. Iné informácie k vedeckej činnosti.

Z celkového počtu 53 vedeckých prác v časopisoch je 46 publikovaných v periodikách evidovaných v Current Contents Connect (CCC) a 7 prác je v časopisoch evidovaných vo Web of Science (WOS) a Scopus, pričom na 9 % z týchto prác sú autormi len pracovníci ústavu, 21 % prác je publikovaných v spolupráci s domácimi a 70 % so zahraničnými spoluautormi.

Impakt faktor periodík, v ktorých sú publikácie uverejnené, sa pohybuje od 0.448 do 8.763 (v 5 prípadoch IF presahuje hodnotu 5.000, v 15 prípadoch presahuje 4.000 a v 32 prípadoch presahuje

hodnotu 3.000), pričom jeho priemerná hodnota 3.240 (oproti vlaňajšej hodnote vzrástla o 0.137) vo všetkých prípadoch výrazne presahuje hodnoty medián impakt faktora pre vedné oblasti, v ktorých na ústave dominuje výskumná činnosť a doktorandské štúdium (MIF = 2.101 pre Chemistry Organic, 2.116 pre Biotechnology & Applied Microbiology, 2.780 pre Biochemistry & Molecular Biology, 1.565 pre Polymer Science, 2.549 pre Microbiology, a 2.376 pre Chemistry Physical), čo indikuje vysokú kvalitu publikovaných prác. Túto skutočnosť potvrdzujú aj údaje o quartiloch pre dané časopisy: podľa SJR sa 55 % z týchto časopisov nachádza v Q1 a 34 % v Q2 (spolu až 89 % v Q1 a Q2 a žiaden v Q4). Podľa JCR je to 43 % v Q1 a 31 % v Q2 (spolu 74 % v Q1 a Q2).

Celkový počet citácií 3152 (z toho 3100 sú citácie vo WOS a Scopus) predstavuje oproti minulému roku nárast o 338 (u citácii z WOS a Scopus je to nárast o 317), čo možno tiež považovať za cenný kvantitatívny ale aj kvalitatívny ukazovateľ.

Na zahraničných a domácich vedeckých podujatiach bolo prezentovaných 170 príspevkov (prednášky a postre).

Prístup do elektronických databáz Thomson ISI (Web of Science, Current Contents Connect, Journal of Citation Reports) a databázy Scopus ako aj iných veľmi užitočných plnotextových databáz (SciVerse-ScienceDirect, Wiley Online Library, Blackwell Synergy, SpringerLink, Knovel, Reaxys, SciFinder a čiastočne aj ACS Publications) značne uľahčuje a zefektívňuje vyhľadávanie a sumarizovanie bibliografických ako aj kvantitatívnych a kvalitatívnych scientometrických údajov. Apelujeme na kompetentných, aby tento prístup ostal zachovaný aj v budúcnosti. Aj keď o užitočnosti časovo obmedzených prístupov do plnotextových databáz niektorých vydavateľstiev, sprostredkovaných Ústrednou knižnicou SAV niet pochýb, značným prínosom pre pracovníkov CHÚ SAV by bolo získanie prístupu do plných textov vybraných časopisov z databáz RSC Publishing (Royal Chemical Society), Thieme Journals (Thieme Medical Publishers), BenthamDirect (Bentham Science Publishers) a Taylor & Francis Group.

Značný počet vyžiadaných recenzií monografií, vedeckých prác v zahraničných časopisoch a grantových projektov zo zahraničia, účasť na medzinárodných vedeckých podujatiach, pozvaných prednášok ako aj počet prijatých a vyslaných vedeckých pracovníkov svedčí o vysokej medzinárodnej reputácií ústavu. To sa následne prejavuje pôsobením pracovníkov ústavu ako zahraničných expertov, členstvom resp. funkciami v rôznych medzinárodných organizáciách a vedeckých spoločnostiach, redakčných radách domácich i zahraničných časopisov ako aj organizačných výboroch medzinárodných vedeckých konferencií resp. pozvaniami prednášok na zahraničných univerzitách a iných vedecko-výskumných inštitúciách a vedecko-odborných podujatiach.

Vyzdvihnúť treba značnú aktivitu pri vypracúvaní vedeckých projektov a úspešnosť pri získavaní grantov. Úhrnne sa riešilo 48 projektov - z toho 35 domácich (VEGA - 21, APVV - 13, SASPRO - 1) a 13 zahraničných (3 projekty 7. RP EÚ a H2020, 1 projekt JRP, 6 projektov COST, 2 projekty v rámci medzivládnych dohôd o VTS a 1 bilaterálny projekt nadväzujúci na MAD, pričom čerpané finančné prostriedky predstavujú sumu cca 679,3 tisíc €, z čoho je cca 183,3 tisíc € zo zahraničných projektov, 495,9 tisíc € z domácich projektov a 65,2 tisíc € je podpora medzinárodnej spolupráce z národných zdrojov (MVTS a APVV) na projekty 7. RP EÚ a COST, čo je vzhľadom na nedostatočnú výšku inštitucionálnej dotácie ústavu zo ŠR významný finančný prínos, pomáhajúci zabezpečiť prevádzku pracoviska.

Dobudovaním technickej infraštruktúry pre glykomiku a biomedicínsky výskum v roku 2015 (získané finančné prostriedky z dvoch projektov OP ŠF vo výške 17,68 mil. € sa využili najmä na nákup prístrojov a príslušenstva) sa CHÚ SAV zaradil medzi najmodernejšie vybavené pracoviská v tejto oblasti.

Ústav trvale venuje pozornosť uplatneniu dosiahnutých výsledkov v priemyselnej praxi (priame kontakty s výrobnými podnikmi a súkromnými spoločnosťami, dohody o spolupráci, spoločné vedecko-výskumné projekty zamerané na realizáciu, účasť na výstavách) a to tak doma ako aj v zahraničí.

3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku

3.1. Údaje o doktorandskom štúdiu

Tabuľka 3a Počet doktorandov v roku 2017

Forma	Počet k 31.12.2017						Počet ukončených doktorantúr v r. 2017					
	Doktorandi						Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí		po skúške		ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Denná zo zdrojov SAV	6	13	0	2	5	10	2	2	0	1	1	0
Denná z iných zdrojov	0	0	0	0	0	0	0	0	0	0	0	0
Externá	0	0	0	0	0	0	0	0	0	0	0	0
Spolu	6	13	0	2	5	10	2	2	0	1	1	0
Súhrn	19		2		15		4		1		1	

Uvádzajú sa len doktorandi organizácie ako externej vzdelávacej inštitúcie.

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení z dennej formy na externú a z externej na dennú

Pôvodná forma	Denná z prostriedkov SAV	Denná z prostriedkov SAV	Denná z iných zdrojov	Denná z iných zdrojov	Externá	Externá
Nová forma	**Denná z iných zdrojov**	**Externá**	**Denná z prostriedkov SAV**	**Externá**	**Denná z prostriedkov SAV**	**Denná z iných zdrojov**
Počet	1	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c Menný zoznam ukončených doktorandov v roku 2017 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnosť
Ing. Štefan Belický	interné štúdium hradené z prostriedkov SAV	9 / 2013	8 / 2017	5.2.25 biotechnológie	Ing. Ján Tkáč DrSc., Chemický ústav SAV	Fakulta chemickej a potravinárskej technológie STU

Ing. Dominika Damborská	interné štúdium hradené z prostriedkov SAV	9 / 2013	5 / 2017	5.2.25 biotechnológie	Ing. Ján Tkáč DrSc., Chemický ústav SAV	Fakulta chemickej a potravinárskej technológie STU
Ing. Pavel Damborský	interné štúdium hradené z prostriedkov SAV	9 / 2013	8 / 2017	5.2.25 biotechnológie	Ing. Jaroslav Katrlík PhD., Chemický ústav SAV	Fakulta chemickej a potravinárskej technológie STU
Mgr. Elena Karnišová Potocká	interné štúdium hradené z prostriedkov SAV	9 / 2013	8 / 2017	5.2.25 biotechnológie	Ing. Vladimír Mastihuba PhD., Chemický ústav SAV	Fakulta chemickej a potravinárskej technológie STU

Zoznam interných a externých doktorandov je uvedený v prílohe A.

3.4. Medzinárodné doktorandské štúdium

Tabuľka 3d Počet študentov v medzinárodných programoch doktorandského štúdia

Cotutelle	Co-direction	Iné	Zahraniční doktorandi
0	0	0	2

3.5. Zoznam akreditovaných študijných odborov s uvedením VŠ

Tabuľka 3e Zoznam akreditovaných študijných odborov s uvedením univerzity/vysokej školy a fakulty, kde sa doktorandský študijný program uskutočňuje

Názov študijného odboru (ŠO)	Číslo ŠO	Doktorandské štúdium uskutočňované na (univerzita/vysoká škola a fakulta)
organická chémia	4.1.16	Fakulta chemickej a potravinárskej technológie STU
organická chémia	4.1.16	Prírodovedecká fakulta UK
fyzikálna chémia	4.1.18	Fakulta chemickej a potravinárskej technológie STU
fyzikálna chémia	4.1.18	Prírodovedecká fakulta UK
makromolekulová chémia	4.1.19	Fakulta chemickej a potravinárskej technológie STU
biochémia	4.1.22	Fakulta chemickej a potravinárskej technológie STU
biochémia	4.1.22	Prírodovedecká fakulta UK
mikrobiológia	4.2.7	Prírodovedecká fakulta UK
biotechnológie	5.2.25	Fakulta chemickej a potravinárskej technológie STU
biotechnológie	5.2.25	Prírodovedecká fakulta UK

Tabuľka 3f Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do spoločných odborových komisií pre doktorandské štúdium	**Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt**	**Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnosť alebo vyšší kvalifikačný stupeň**
RNDr. Peter Biely, DrSc. (biochémia)	RNDr. Peter Biely, DrSc. (Fakulta chemickej a potravinárskej technológie STU)	Ing. Štefan Belický, PhD. (IIb)
Ing. Peter Gemeiner, DrSc. (biotechnológie)	prof. RNDr. Alexander Lux, CSc. (Prírodovedecká fakulta UK)	Ing. Dominika Damborská, PhD. (IIb)
Ing. Ján Hirsch, DrSc. (organická chémia)	Ing. Ján Tkáč, DrSc. (Fakulta chemickej a potravinárskej technológie STU)	Ing. Pavel Damborský, PhD. (IIb)
Ing. Miloš Hricovíni, PhD. (chemická fyzika)		Mgr. Elena Karnišová Potocká, PhD. (IIb)
Ing. Miroslav Koóš, DrSc. (organická chémia)		Ing. Júlia Mičová, PhD. (IIa)
RNDr. Desana Lišková, PhD. (fyziológia rastlín)		Ing. Štefan Belický, PhD. (PhD., Fakulta chemickej a potravinárskej technológie STU)
prof. RNDr. Alexander Lux, CSc. (fyziológia rastlín)		Ing. Dominika Damborská, PhD. (PhD., Fakulta chemickej a potravinárskej technológie STU)
prof. RNDr. Alexander Lux, CSc. (odbor v zahraničí)		Ing. Pavel Damborský, PhD. (PhD., Fakulta chemickej a potravinárskej technológie STU)
Ing. Vladimír Mastihuba, PhD. (biotechnológie)		Mgr. Elena Karnišová Potocká, PhD. (PhD., Fakulta chemickej a potravinárskej technológie STU)
doc. Ing. Ladislav Petruš, DrSc. (organická chémia)		
Ing. Ján Tkáč, DrSc. (biochémia)		
Ing. Igor Tvaroška, DrSc. (fyzikálna chémia)		

3.6. Údaje o pedagogickej činnosti

Tabuľka 3g Prednášky a cvičenia vedené v roku 2017

PEDAGOGICKÁ ČINNOSŤ	**Prednášky**		**Cvičenia a semináre**	
	doma	**v zahraničí**	**doma**	**v zahraničí**
Počet prednášateľov alebo vedúcich cvičení	7	0	6	1
Celkový počet hodín v r. 2017	39	0	469	12

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v prílohe D.

Tabuľka 3h Aktivity pracovníkov na VŠ

1.	**Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác**	20
2.	**Počet vedených alebo konzultovaných diplomových a bakalárskych prác**	34
3.	**Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)**	18
4.	**Počet školených doktorandov (aj pre iné inštitúcie)**	22
5.	**Počet oponovaných dizertačných a habilitačných prác**	10
6.	**Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce**	9
7.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác**	3
8.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác**	10
9.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách**	0

3.7. Iné dôležité informácie k pedagogickej činnosti

Chemický ústav SAV mal v roku 2017 akreditovaných 6 študijných odborov doktorandského štúdia: na Prírodovedeckej fakulte UK v Bratislave (4.1.16 organická chémia, 4.1.18 fyzikálna chémia, 4.1.22 biochémia, 4.2.7 mikrobiológia) a na Fakulte chemickej a potravinárskej technológie STU v Bratislave (4.1.16 organická chémia, 4.1.18 fyzikálna chémia, 4.1.19 makromolekulová chémia, 4.1.22 biochémia, 5.2.25 biotechnológia). V roku 2018 skončí platnosť akreditácie v odbore 4.2.7. mikrobiológia (na PriF UK) v dôsledku presiahnutia vekovej hranice 70 rokov u garanta.

V priebehu roka 2017 sa na CHÚ SAV školilo celkom 25 doktorandov (z toho 2 novoprijatí - v dennej forme štúdia), z ktorých 4 úspešne obhájili doktorandskú dizertačnú prácu. Jeden doktorand dennej formy ukončil štúdium bez obhajoby doktorandskej dizertačnej práce a jedna doktorandka dennej formy ukončila štúdium predčasne. Dúfame, že v budúcnosti bude viac záujemcov o doktorandské štúdium a počty doktorandov na ústave budú stabilizované a obsadia sa všetky pridelené doktorandské miesta. Najväčší záujem zo strany študentov je najmä o študijné odbory biotechnológie a biochémia. Dlhodobo menší záujem zo strany študentov je o ostatné odbory (fyzikálna chémia, mikrobiológia, makromolekulová chémia a organická chémia), napriek tomu, že ústav aj v týchto odboroch disponuje dostatočným počtom kvalitných školiteľov. Tento trend spôsobuje zrejme skutočnosť, že v týchto odboroch končí na VŠ menší počet študentov a týchto si prioritne podržia na doktorandské štúdium jednotlivé fakulty.

Na základe výsledkov kontrolných dní, ktoré sa konali v októbri 2017, sa dá predpokladať, že v roku 2018 by mali doktorandskú dizertačnú prácu obhajovať 5 doktorandi.

Svoje požiadavky, návrhy, resp. pripomienky majú možnosť doktorandi predniesť, okrem iného, aj na Ústavnej rade prostredníctvom svojho voleného zástupcu.

Doktorandi a mladí vedeckí pracovníci sa aktívne zapájajú do vedeckého a spoločenského života na ústave. Oceniť treba najmä ich aktivity počas Dňa otvorených dverí na ústave, ktorý sa pravidelne koná každý rok v novembri. Viacerí sa aktívne zapájajú aj do pedagogickej a popularizačnej činnosti. Okrem vedenia semestrálnych cvičení sú to napr. aktivity na stredných školách a aktivity v rámci Týždňa vedy a techniky na Slovensku a Noci výskumníkov. Za študijné a

vedecké výsledky získali viacerí aj ocenenia (napr. Ing. Dominika Damborská - za 1. miesto v Súťaži mladých vedeckých pracovníkov SAV do 35 r. za II. oddelenie vied SAV a viacerí boli ocenení na vedeckých konferenciách).

Iná pedagogická činnosť

RNDr. Desana Lišková, PhD.
Vedenie preddiplomovej a diplomovej odbornej praxe (1. roč. Mgr. štúdia, 2. roč. Mgr. štúdia, študijný odbor Biológia, študijný program Fyziológia rastlín, Prírodovedecká fakulta UK, Katedra fyziológie rastlín)
Počet hodín: 320

RNDr. Karin Kollárová, PhD.
Vedenie preddiplomovej a diplomovej odbornej praxe (3. roč. Bc. štúdia, 1. roč. Mgr. štúdia, 2. roč. Mgr. štúdia študijný odbor Biológia, študijný program Biológia; Prírodovedecká fakulta UK, Katedra fyziológie rastlín)
Počet hodín: 380

Mgr. Zuzana Vatehová, PhD.
Vedenie preddiplomovej a diplomovej odbornej praxe 2 (1. roč. Mgr. štúdia, 2. roč. Mgr. štúdia, študijný odbor Biológia, študijný program Fyziológia rastlín; Prírodovedecká fakulta UK, Katedra fyziológie rastlín)
Počet hodín: 380

Ing. Vladimír Mastihuba, PhD.
Vedenie preddiplomovej praxe (1. roč. Ing. štúdia; Fakulta chemickej a potravinárskej technológie STU, Ústav biotechnológie)
Počet hodín: 120

Ing. Eva Stratilová, PhD.
Vedenie diplomovej odbornej praxe (2. roč. Ing. štúdia; Vysoké učení technické v Brně, Fakulta chemická, Ústav chemie potravin a biotechnologií, Brno, Česko
Počet hodín: 60

Ing. Renáta Vadkertiová, PhD.
Vedenie preddiplomovej odbornej praxe (1. roč. Ing. štúdia, študijný program biochémia a biomedicínske technológie I-BBT; Fakulta chemickej a potravinárskej technológie STU, Ústav biochémie a mikrobiológie)
Počet hodín: 120

Mgr. Ágnes Horváthová
Vedenie preddiplomovej odbornej praxe (III. roč. Bc. štúdia; Fakulta chemická, Vysoké učení technické v Brně, VUT Brno, Česko, Ústav chemie potravin a biotechnologií)
Počet hodín: 20

Ing. Ema Paulovičová, CSc.
Vedenie maturitného projektu z chémie (Gymnázium Pankúchova, Bratislava)
Počet hodín: 36

Mgr. Tomáš Klunda
a) Vedenie seminárov z chémie (Bilinguálne gymnázium C.S. Lewisa, Bratislava)

Počet hodín: 36

b) Vedenie chemického krúžku (Bilinguálne gymnázium C.S. Lewisa, Bratislava)
Počet hodín: 24

c) Člen predmetovej (chémia) maturitnej komisie (Bilinguálne gymnázium C.S. Lewisa, Bratislava)

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2017 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

44. Výročná konferencia o kvasinkách, Kongresové centrum SAV, Smolenice, 69 účastníkov, 02.05.-05.05.2017
Vedecký program konferencie bol rozdelený do štyroch sekcií: Medical Mycology, Ecology and Taxonomy of Yeasts, Yeast Biotechnology a Molecular and Cell Biology of the Yeasts. Na konferencii odznelo 26 prednášok, z ktorých 8 bolo vyžiadaných a hradených Komisiou pre kvasinky. Úvodnú prednášku s názvom „*Candida albicans* produces a toxic surprise“ predniesol Dr. J.R. Naglik (UK). Okrem prednášok bolo prezentovaných 28 plagátových vývesiek a v rámci sekcie „Poster highlights“ odznelo 8 krátkych prednášok, prednesených mladými vedeckými pracovníkmi a doktorandmi.
Počet účastníkov: 69, z toho 35 zahraničných (z Belgicka, Českej republiky, Grécka, Estónska, Francúzska, Holandska, Maďarska, Nórska, Poľska, Rakúska, Španielska, Švédska).

14. Bratislavské sympózium o sacharidoch "Glykochémia pre biológiu a medicínu", Kongresové centrum SAV, Smolenice, 63 účastníkov, 25.06.-30.06.2017
Vedecký program sympózia bol zameraný na chémiu a biochémiu sacharidov, najmä na najnovšie pokroky v oblasti výskumu a aplikácie sacharidov a glykokonjugátov pre medicínske, farmaceutické, biotechnologické a potravinárske účely. Najnovšie poznatky v týchto oblastiach boli prezentované formou plenárnych (6), pozvaných (8), orálnych (20), flash (9) a posterových (21) prezentácií.
Počet účastníkov: 63, z toho 40 zahraničných (z 15 krajín: Argentína, Austrália, Čína, ČR, Dánsko, Fínsko, Írsko, Japonsko, Kórea, Maďarsko, Rakúsko, Rusko, Taliansko, USA, Veľká Británia).

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2018 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

45th Annual Conference on Yeasts/45. Výročná konferencia o kvasinkách, Kongresové centrum SAV, Smolenice, 15.05.-18.05.2018, (Emília Breierová, 02/ 59410241, 02/ 59410262, chememi@savba.sk)

4.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 4a Programové a organizačné výbory medzinárodných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Baráth Marek	0	0	1
Blahutová Jana	0	0	1
Breierová Emília	0	1	0
Dudášová Hana	0	1	0
Guthová Jana	0	1	0
Hirsch Ján	2	0	0
Katrlík Jaroslav	1	0	1
Kollárová Karin	0	0	1
Kóňa Juraj	0	0	1
Mastihuba Vladimír	1	0	0
Schenkmayerová Andrea	0	0	1
Vadkertiová Renáta	1	0	0
Vatehová Zuzana	0	0	1
Spolu	5	3	7

4.2. Členstvo a funkcie v medzinárodných orgánoch

4.2.1. Členstvo a funkcie v medzinárodných vedeckých spoločnostiach, úniách a národných komitétoch SR

RNDr. Peter Biely, DrSc.

Československá spoločnosť mikrobiologická (funkcia: člen výboru Komisie pre kvasinky)
International Academy of Wood Science (funkcia: volený člen (Fellow of IAWS))
International Commission for Yeasts of the International Union of Microbiological Societies (IUMS) (funkcia: člen)

Ing. Emília Breierová, PhD.

Československá spoločnosť mikrobiologická (funkcia: tajomníčka výboru Komisie pre kvasinky)

Ing. Hana Dudášová, PhD.

Československá spoločnosť mikrobiologická (funkcia: člen)

Ing. Peter Gemeiner, DrSc.

Bioencapsulation Research Group (Europe-Canada) (funkcia: člen)

Ing. Ján Hirsch, DrSc.

American Chemical Society (funkcia: člen)

Ing. Miloš Hricovíni, PhD.

American Chemical Society (funkcia: člen)
European Carbohydrate Organization (funkcia: národný reprezentant)
International Carbohydrate Organization (funkcia: národný reprezentant)

Ing. Jaroslav Katrlík, PhD.

International Glycoconjugate Organisation (funkcia: národný reprezentant)
Management Committee CA COST Action CA16113 (funkcia: národný zástupca)

RNDr. Jaroslav Klaudiny, PhD.

European Peptide Society (funkcia: člen)

Ing. Miroslav Kóóš, DrSc.

International Society of Heterocyclic Chemistry (funkcia: člen)

RNDr. Desana Lišková, PhD.

International Association of Plant Tissue Cultures - Biotechnology (IAPTC-B) (funkcia: člen)

Ing. Vladimír Mastihuba, PhD.

Management Committee FPS COST Action FP1306 (funkcia: národný zástupca)

Ing. Mária Mastihubová, PhD.

American Chemical Society (funkcia: člen)
Management Committee FPS COST Action CM1407 (funkcia: národný zástupca)

RNDr. Mária Matulová, DrSc.

American Chemical Society (funkcia: člen)

RNDr. Ján Mucha, CSc.

Steering Committee of the ESF RNP in LEE „The EuroGlycosciences Forum" (funkcia: člen)

Ing. Jozef Nahálka, PhD.

Management Committee CMST COST Action CM1303 (funkcia: národný zástupca)

RNDr. Zuzana Neščáková, PhD.

Československá spoločnosť mikrobiologická (funkcia: člen)

Ing. Vladimír Pätoprstý, PhD.

American Society for Mass Spectrometry (funkcia: člen)
Arbeitsgruppe für Molekül-Spektroskopie der Österreichischen Gesellschaft für Analytische

Chemie (funkcia: člen)
International Society for Mass Spectrometry (funkcia: reprezentant Slovenska)

doc. Ing. Ladislav Petruš, DrSc.

Česká společnost chemická (funkcia: čestný člen)

Ing. Ján Tkáč, DrSc.

American Chemical Society (funkcia: člen)
Bioelectrochemical Society (funkcia: člen)

Ing. Igor Tvaroška, DrSc.

International Steering Committee of the International Consortium on Anti-Virals (ISC ICAV) (funkcia: člen)

Ing. Renáta Vadkertiová, PhD.

Československá spoločnosť mikrobiologická (funkcia: člen Komisie pre kvasinky)

Zbierka kultúr kvasiniek

- European Culture Collections´ Organization (ECCO) (funkcia: člen)
- World Federation for Culture Collections (WFCC) (funkcia: člen)

4.3. Účasť expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 4b Experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Hricovíni Miloš	CIISB4Health, Česko	1
Katrlík Jaroslav	ERA.Net RUS Plus Call 2017	1
	H2020-FETOPEN-2016-2017	3
	H2020-WIDEPSREAD-04-2017	6

4.4. Najvýznamnejšie prínosy MVTS ústavu vyplývajúce z mobility a riešenia medzinárodných projektov a iné informácie k medzinárodnej vedeckej spolupráci

Z projektovej MVTS (APVV-SK-SRB-2013-0028, J. Katrlík) s Prof. O. Nedić (Institute for the Application of Nuclear Energy - INEP, University of Belgrade, Belgrade, Srbsko) v oblasti skúmania glykozylačných zmien na glykoproteínoch ako potencionálnych biomarkeroch fyziologických procesov (membránové proteíny placenty) a rakoviny hrubého čreva pomocou lektínovej microarray rezultovali dve spoločné publikácie a výsledky boli prezentované v piatich príspevkoch na medzinárodných konferenciách.

Cenné výsledky sa dosiahli v oblasti výskumu lektínových lateral flow assay (LFA) biosenzorov v spolupráci s Xeptagen SpA, Marghera, Taliansko v rámci post-projektovej MVTS (projekt FP7 ITN PROSENSE ukončený v roku 2016).

Okrem participácie na spoločných vedeckých projektoch umožňuje MVTS pracovníkom

ústavu najmä dofinancovanie projektov 7. RP a iných projektov EÚ, využitie špičkovej prístrojovej techniky (analytickej, výpočtovej) a inej infraštruktúry v zahraničí ako aj prístup k potrebným doma chýbajúcim interdisciplinárnym metodikám, nedostupnej literatúre (knihy, patenty) a materiálnemu vybaveniu (chemikálie, laboratórne zariadenia a pomôcky, ...). V rámci uskutočnenej mobility získali pracovníci ústavu veľmi cenné experimentálne skúsenosti, zručnosti a teoretické poznatky z najmodernejších metodík využívaných v súčasnosti pri riešení vedeckých problémov.

Prostredníctvom MVTS sa viacerí riešitelia projektov mohli zúčastniť významných zahraničných vedeckých podujatí (konferencie, semináre, workshopy) a nadviazať nové kontakty a spolupráce. Viacerým doktorandom umožnila MVTS stáž na zahraničných pracoviskách.

Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe E.
Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a v Prílohe B.

5. Vedná politika

Hlavný smer základného výskumu glykobiológia, t.j. sacharidy a ich úloha v organizmoch aj naďalej tvoria obsah domácich i zahraničných projektov riešených na pracovisku. Pozornosť sa venuje aj cielenému výskumu realizovanému prostredníctvom hospodárskych zmlúv, kontraktov a plnením dohodnutých záväzkov v rámci zmluvnej spolupráce. Značná časť riešiteľskej kapacity ústavu sa venuje vypracovávaniu projektov a grantových žiadostí a to nielen v rámci domácich agentúr VEGA a APVV a spolupráce s priemyselnou sférou ale aj v rámci MVTS a to najmä vo vedeckých programoch EÚ, bilaterálnych MAD, medziústavnej spolupráce a iných fondoch a nadáciách na podporu vedeckého výskumu. V rokoch 2008–2014 pribudla ešte významná účasť na nových výzvach OP ŠF OPVaV 2.1. a 4.1. a v roku 2014 aj na výzvach v programe HORIZONT 2020. V roku 2015 získal CHÚ SAV nenávratný finančný príspevok na dva projekty: jeden v rámci výzvy OPVaV-2015/3.1/01-SORO pre bratislavský samosprávny kraj (ca 8.32 mil. €) a jeden v rámci výzvy OPVaV-2015/1.1/03-SORO pre mimobratislavské kraje (ca 9.86 mil €), v rámci ktorých bol ústav vybavený unikátnou prístrojovou technikou. V roku 2016 sa ústav zapojil (ako partner v 3 projektoch) do dvoch nových výziev ŠF EÚ (OPVaI-VA/DP/2016/1.2.1-03 a OPVaI-VA/DP/2016/1.2.1-02). Dva projekty boli úspešné, ale v roku 2017 boli tieto výzvy zrušené. Ústav má ambíciu zapojiť sa do výziev, ktoré by mali byť vyhlásené v roku 2018.

Organizačné členenie pracoviska na osem vedeckých oddelení, ktoré spolu tvoria Centrum glykomiky a tri spoločné-nevedecké oddelenia, reflektuje hlavné smery výskumu a požiadavky na jeho zabezpečenie. V rámci organizačnej štruktúry sa uplatňuje dvojstupňové riadenie: vedenie ústavu – vedúci vedeckých a spoločných-nevedeckých oddelení.

Základnými dokumentmi pracoviska sú: Zriaďovacia listina Chemického ústavu SAV č. 951/0214/2003 zo dňa 11. decembra 2003 a Dodatok č. 1 (z 19. 12. 2008) k Zriaďovacej listine Chemického ústavu SAV č. 448/G/12/2008 (ktorým sa s účinnosťou od 1. 1. 2009 mení forma hospodárenia z rozpočtovej na príspevkovú), Pracovný poriadok, Organizačný poriadok, Platový poriadok, Bezpečnostné predpisy, Traumatologický plán, Pokyny pre kontrolnú činnosť, Dohoda medzi ústavmi SAV sídliacimi v budove správcovanej Chemickým ústavom a tiež Kolektívna zmluva so Základnou organizáciou odborového zväzu. V súvislosti s viacerými zmenami v zákonoch NR SR, nariadeniach vlády SR, vyhláškach a pokynoch MZ SR týkajúcich sa ochrany zdravia pri práci s nebezpečnými faktormi boli v roku 2008, 2009 a 2014 novelizované relevantné predpisy pre práce s nebezpečnými chemickými faktormi, biologickým materiálom, GMO a pre zaobchádzanie so zdrojmi ionizujúceho žiarenia, aplikované na pracovné podmienky v CHÚ SAV a získali príslušné oprávnenia od kompetentných orgánov. V súčasnosti sa ústav uchádza o získanie certifikátov ISO pre laboratórium vody a NMR laboratórium.

Ústav venuje veľkú pozornosť mladej generácii a omladzovaniu kádrov. V rámci vedeckej výchovy sa na ústave v priebehu roka školí okolo 20–25 doktorandov, pričom každoročne sa vypisujú prijímacie pohovory na 5 nových miest interného doktorandského štúdia. Po úspešnej

obhajobe doktorandských dizertačných prác sa mladí vedeckí pracovníci spravidla vysielajú na 1–3 ročnú postdoktorandskú stáž do zahraničia, niektorí sa uchádzajú o štipendium z podporného fondu Štefana Schwarza (v roku 2017 mal ústav 3 držiteľov tohoto štipendia). Podľa možností sa ústav snaží takto vyškolených postdoktorandov potom zamestnať, aby uplatnili svoje vedomosti a získané skúsenosti pri riešení projektov CHÚ SAV. V rámci novej schémy podpory prijímania mladých postdoktorandov v SAV (prijatých do zamestnania do jedného roka od ukončenia PhD štúdia) získal ústav v roku 2017 finančnú podporu pre dve prijaté postdoktorandky. V rámci programu SASPRO (First Call 2014) pôsobil na ústave jeden postdoktorand (nastúpil v roku 2015). V snahe získať mladých adeptov vedy sa pracovníci ústavu aktívne zapájajú aj do pedagogickej činnosti na univerzitách (prednášky, cvičenia, vedenie diplomových prác, preddiplomová prax) a propagujú výsledky vedeckej činnosti (médiá, konferencie, semináre, letné školy, dni otvorených dverí).

6. Spolupráca s univerzitami/vysokými školami, štátnymi a neziskovými inštitúciami okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Farmaceutická fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra fyzikálnej chémie liečiv
Začiatok spolupráce: 2016
Zameranie: Štúdium lektínových biočipov a biosenzorov.
Zhodnotenie: Podanie spoločného projektu APVV.

Názov univerzity/vysokej školy a fakulty: Farmaceutická fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločného projektu - Katedra bunkovej a molekulárnej biológie liečiv
Začiatok spolupráce: 2012
Zameranie: Stanovenie inhibičných aktivít sacharidových derivátov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Jesseniova lekárska fakulta UK v Martine
Druh spolupráce (spoločné pracovisko alebo iné): Spolupráca na riešení spoločných projektov - Ústav farmakológie
Začiatok spolupráce: 2008
Zameranie: Štúdium farmakodynamických vlastností glykokonjugátov izolovaných z liečivých rastlín, sladkovodných rias a cyanobaktérií.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia a 5 prezentácií na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - II. detská klinika LF UK a DFNsP v Bratislave, Oddelenie laboratórnej medicíny, Centrum dedičných metabolických porúch
Začiatok spolupráce: 2010
Zameranie: Biomedicínsky výskum v oblasti diagnostiky zriedkavých metabolických ochorení.
Zhodnotenie: Diagnostika zriedkavých dedičných metabolických ochorení analýzou moču detských pacientov. Príprava 2 publikácií a 2 prezentácie na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Imunologický ústav

Začiatok spolupráce: 2009
Zameranie: Imunologický zápal.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia a konzultácie a oponentúry Bc. a dizertačných prác.

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Univerzitná nemocnica, Bratislava, Nemocnica Staré Mesto, Oddelenie klinickej imunológie a alergológie
Začiatok spolupráce: 2007
Zameranie: Diferenciálna diagnostika vaginálnych kandidóz u atopických pacientov.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra mikrobiológie a virológie
Začiatok spolupráce: 2007
Zameranie: Úloha CR3-RP v adherencii kvasinky *Candida albicans* a jeho imunologické vlastnosti.
Zhodnotenie: Výsledkom spolupráce sú 3 publikácie a vedenie PhD študenta.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra organickej chémie
Začiatok spolupráce: 2008
Zameranie: Syntéza inhibítorov glykozyltransferáz.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločného projektu V4-Korea Joint Research Program - Katedra analytickej chémie
Začiatok spolupráce: 2017
Zameranie: Mikroelektroforetické prostriedky pre bioanalýzu.
Zhodnotenie: Spolupráca je v počiatočnom štádiu.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločných projektov - Katedra fyziológie rastlín
Začiatok spolupráce: 2007
Zameranie: Využitie rastlín pre dekontamináciu životného prostredia od toxických kovov a obohatenie poľnohospodárskych rastlín o dôležité minerálne látky a štúdium biologickej aktivity galaktoglukomanánových oligosacharidov vo vývinových procesoch a ochrane rastlín.
Zhodnotenie: Výsledkom spolupráce je 1 príspevok na vedeckej konferencii, 1 akceptovaná publikácia, vedenie 5 diplomových prác a 1 bakalárskej práce.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko
Začiatok spolupráce: 1995
Zameranie: Združené laboratórium Fourier Transform Infrared Spectroscopy
Zhodnotenie: Viď informáciu uvedenú pre Spoločné pracovisko s FCHPT STU.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko v rámci Národného

centra NMR
Začiatok spolupráce: 2007
Zameranie: Národné centrum nukleárnej magnetickej rezonancie na Slovensku (NC NMR)
Zhodnotenie: Viď informácie uvedené pre Spoločné pracovisko v rámci Národného centra NMR.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UPJŠ
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra organickej chémie
Začiatok spolupráce: 2017
Zameranie: Štúdium inhibičných vlastností potenciálnych inhibítorov manozidáz.
Zhodnotenie: Výsledkom spolupráce sú experimentálne merania a ich vyhodnocovanie.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UPJŠ
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko v rámci Národného centra NMR
Začiatok spolupráce: 2007
Zameranie: Národné centrum nukleárnej magnetickej rezonancie na Slovensku (NC NMR)
Zhodnotenie: Viď informácie uvedené pre Spoločné pracovisko v rámci Národného centra NMR.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UCM
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra biotechnológií
Začiatok spolupráce: 2016
Zameranie: a) Štúdium lektínových biočipov a biosenzorov; b) Štúdium enzýmových glykozylácií.
Zhodnotenie: a) Výsledkom spolupráce je 1 príspevok na vedeckej konferencii, školenie 1 doktorandky a vedenie 1 diplomovej práce; b) 1 príspevok na vedeckej konferencii a vedenie 1 Bc. práce.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UCM
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra biotechnológií
Začiatok spolupráce: 2011
Zameranie: a) Výskum biologicky aktívnych/funkčných necelulózových polysacharidov izolovaných z rastlín a agro-industriálnych a lesných odpadov.
Zhodnotenie: Výsledkom spolupráce je príprava špecifických oligosacharidov.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UCM
Druh spolupráce (spoločné pracovisko alebo iné): Podpísaná dohoda o spolupráci - Katedra chémie
Začiatok spolupráce: 2004
Zameranie: Riešenie vedecko-výskumných úloh, výchova absolventov a doktorandov a využívanie modernej prístrojovej techniky.
Zhodnotenie: Konzultácie a oponentúry Bc. a diplomových prác.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav biochémie a mikrobiológie
Začiatok spolupráce: 2010
Zameranie: Imunobiologická aktivita látok pre biomedicínske aplikácie.
Zhodnotenie: Výsledkom spolupráce sú 2 publikácie a vedenie diplomovej práce.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU

Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav biotechnológie
Začiatok spolupráce: 2006
Zameranie: a) Štúdium enzýmových transglykozylačných reakcií a chemoselektívnych enzýmových acylácií a deacylácií.
Zhodnotenie: Výsledkom spolupráce je vedenie semestrálneho projektu 1 študenta, letná odborná prax 1 študentky a 1 príspevok na vedeckej konferencii.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav biotechnológie
Začiatok spolupráce: 2012
Zameranie: Odstraňovanie iónov medi pomocou červených kvasiniek.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav fyzikálnej chémie a chemickej fyziky, Oddelenie fyzikálnej chémie
Začiatok spolupráce: 2017
Zameranie: Stanovenie štruktúry sacharidových derivátov X-ray technikami.
Zhodnotenie: Výsledkom spolupráce je 1 príspevok na vedeckej konferencii a 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav chemického a environmentálneho inžinierstva, Oddelenie chemického a biochemického inžinierstva
Začiatok spolupráce: 2016
Zameranie: Purifikácia β-apiozidáz a štúdium enzýmových transglykozylačných reakcií.
Zhodnotenie: Podanie spoločného projektu APVV.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločného projektu (COST – EUROCAROTEN) - Ústav biotechnológie a potravinárstva, Oddelenie biochemickej technológie
Začiatok spolupráce: 2016
Zameranie: Skúmanie a stimulácia pigmentov produkovaných kvasinkami.
Zhodnotenie: Analýza, využitie a stimulácia produkcie mikrobiálnych pigmentov.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločných projektov - Ústav biochémie a mikrobiológie
Začiatok spolupráce: 2010
Zameranie: a) Analýza nutraceutík a polysacharidových zložiek cereálii; b) Štúdium štruktúry a vlastností biologicky aktívnych sacharidov; c) Štúdium lektínových biočipov a biosenzorov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia a vedenie 1 diplomovej práce.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločných projektov VEGA a APVV - Ústav biotechnológie
Začiatok spolupráce: 2006
Zameranie: Techniky imobilizácie pre vývoj viabilných celobunkových biokatalyzátorov oxidačno-redukčných reakcií.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU

Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko
Začiatok spolupráce: 1995
Zameranie: Združené laboratórium Fourier Transform Infrared Spectroscopy
Zhodnotenie: Združené laboratórium Fourier Transform Infrared Spectroscopy, založené v roku 1995, je spoločným pracoviskom Ústavu anorganickej chémie SAV, Chemického ústavu SAV, Fakulty chemickej a potravinárskej technológie STU a Prírodovedeckej fakulty UK v Bratislave. Spoločné laboratórium FTIR spektroskopie v priestoroch CHÚ SAV je vybavené infračerveným spektrometrom NICOLET 6700, ktorý bol zakúpený v roku 2008 z prostriedkov projektu MACHINA a slúži pre potreby výskumu v rámci uvedených inštitúcií, na pedagogické účely ako aj základné servisné merania. V roku 2010 bol spektrometer doplnený o ďalšie príslušenstvo. Neskôr bol doplnený (z prostriedkov projektu MACHINA) o detektor a rozdeľovač lúča pre ďalekú IČ oblasť. Z prostriedkov ŠF EÚ získalo pracovisko v roku 2012 disperzný DXR Raman mikroskop a v roku 2015 bolo pracovisko vybavené špičkovými prístrojmi: FT-IR Mikroskop Nicolet iN10 a FT-IR Spectrometer Nicolet iS50 doplnený o GC-IR modul a FT-IR Raman (Thermo Fisher Scientific, Inc.) z prostriedkov projektu ŠF EÚ Dobudovanie infraštruktúry pre biomedicínsky výskum, ITMS 26230120008 (379 tis. €). Výstupy v roku 2017: 2 publikácie a 3 prednášky na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko v rámci Národného centra NMR
Začiatok spolupráce: 2007
Zameranie: Národné centrum nukleárnej magnetickej rezonancie na Slovensku (NC NMR)
Zhodnotenie: Dňa 11. mája 2007 bol podpísaný dokument „Zmluva a štatút o združení právnických osôb s názvom Národné centrum nukleárnej magnetickej rezonancie na Slovensku“ (NC NMR). Zmluvu podpísali: FCHPT, STU v Bratislave, FEI TU a UPJŠ v Košiciach, PriF UK, Chemický ústav SAV a Ústav merania SAV v Bratislave. NC NMR bolo vytvorené za účelom zabezpečovania potrieb NMR služieb v oblasti základného a aplikovaného výskumu, spolupráce s výrobnými organizáciami, zvyšovania vedomostného potenciálu v oblasti NMR. Sieť NC NMR tvoria Centrá NMR. Na CHÚ SAV je lokalizované Centrum pre štúdium dynamiky a interakcií biomolekúl, ktoré bolo v roku 2009 vybavené NMR prístrojmi Varian (600 MHz a 400 MHz). V roku 2015 bolo pracovisko vybavené (z prostriedkov projektu ŠF EÚ Dobudovanie infraštruktúry pre biomedicínsky výskum, ITMS 26230120008) špičkovými NMR prístrojmi Bruker: NMR Spectrometer Avance III HD 600MHz (2.344 mil. €) a Avance III HD 400MHz (1.021 mil. €).

Názov univerzity/vysokej školy a fakulty: Fakulta elektrotechniky a informatiky TUKE
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko v rámci Národného centra NMR
Začiatok spolupráce: 2007
Zameranie: Národné centrum nukleárnej magnetickej rezonancie na Slovensku (NC NMR)
Zhodnotenie: Viď informácie uvedené pre Spoločné pracovisko v rámci Národného centra NMR.

Názov univerzity/vysokej školy a fakulty: Fakulta biotechnológie a potravinárstva SPU
Druh spolupráce (spoločné pracovisko alebo iné): Spoločné pracovisko
Začiatok spolupráce: 2009
Zameranie: Kvalita surovín a potravín
Zhodnotenie: Dňa 2. septembra 2009 Chemický ústav SAV a Fakulta biotechnológie a potravinárstva SPU v Nitre podpísali dokument „Dohoda o vytvorení spoločného pracoviska metabolomiky rastlín, rastlinných surovín a potravín rastlinného pôvodu“. Cieľom spoločného pracoviska, ktoré je umiestnené v priestoroch CHÚ SAV v Bratislave a Katedry biochémie a biotechnológie FBP SPU v Nitre, je príprava a realizácia vedecko-výskumných projektov základného a aplikovaného výskumu v oblasti posudzovania kvality a bezpečnosti surovín a

potravín na úrovni metabolizmu nutrične významných rastlín s využitím moderných analytických metód a unikátnej prístrojovej techniky a výchova odborných, vedeckých a pedagogických pracovníkov. V rokoch 2011 a 2013 pracovisko implementovalo projekty ŠF EÚ „Centrum excelentnosti pre bielo-zelenú biotechnológiu“ a "Dobudovanie technickej infraštruktúry pre výskum v oblasti nových biotechnológií“ (výzva OPVaV-2013/1.1/02-SORO, 2.88 mil. €), v rámci ktorých sa obstarala špičková prístrojová technika.

Názov univerzity/vysokej školy a fakulty: Vysoká škola chemicko-technologická, Praha
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Fakulta potravinářské a biochemické technologie, Ústav chemie přírodních látek
Začiatok spolupráce: 2016
Zameranie: Povrchová modifikácia nanočastíc a ich charakterizácia.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Vysoká škola chemicko-technologická, Praha
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Fakulta potravinářské a biochemické technologie, Ústav sacharidů a cereálií
Začiatok spolupráce: 2011
Zameranie: Štruktúra a biologická aktivita polysacharidov z rias a vyšších rastlín.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Vysoké učení technické, Brno
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Fakulta chemická, Ústav chemie potravin a biotechnologií
Začiatok spolupráce: 2010
Zameranie: a) Mikrobiálna produkcia priemyselne dôležitých enzýmov na odpadoch z potravinárskych výrob; b) Identifikácia kvasiniek molekulárno-biologickými metódami a hmotnostnou spektrometriou.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia, 1 odoslaný rukopis, 1 vedená Bc. práca, 2 diplomové práce a 4 príspevky na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Vysoké učení technické, Brno
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Fakulta chemická, Ústav chemie potravin a biotechnologií
Začiatok spolupráce: 2006
Zameranie: Monitoring pigmentotvorných a tukotvorných kvasiniek.
Zhodnotenie: Pomocou Ramanovej spektroskopie sa zisťoval vplyv kultivačných podmienok (zloženie živnej pôdy, teplota) na tvorbu pigmentov a lipidov u kvasinkového druhu *Metschnikowia pulcherrima*. Výsledky boli prezentované na vedeckej konferencii.

Názov univerzity/vysokej školy a fakulty: Slovenská zdravotnícka univerzita v Bratislave
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Vedeckovýskumná základňa SZU, Oddelenie mikrobiológie
Začiatok spolupráce: 2010
Zameranie: Štúdium imunobiologických vlastností polysacharidových konjugátov *in vivo*.
Zhodnotenie: Experimentálne imunizácie polysacharidovými konjugátmi, odbery krvi a orgánov podľa platného protokolu (v rámci projektu APVV formou dohodnutej služby).

Názov univerzity/vysokej školy a fakulty: Přírodovědecká fakulta Palackého univerzity, Olomouc, Česká republika
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Katedra organické chemie

Začiatok spolupráce: 2010
Zameranie: Syntéza a cytotoxická aktivita sacharidových derivátov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Přírodovědecká fakulta, Masarykova univerzita, Brno, Česká republika
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Národní centrum pro výzkum biomolekul
Začiatok spolupráce: 2011
Zameranie: Štúdium katalytického mechanizmu glykozyltransferáz.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia a 3 prezentácie na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Chalmers University of Technology, Göteborg, Sweden
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Chemical and Biological Engineering
Začiatok spolupráce: 1998
Zameranie: Stanovenie štruktúry sacharidových derivátov X-ray technikami.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Wroclaw University of Technology, Poland
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločných projektov - Division of Medicinal Chemistry and Microbiology, Chemistry Department
Začiatok spolupráce: 2010
Zameranie: Štruktúra, biologická aktivita a vlastnosti fenolických glykokonjugátov z liečivých rastlín.
Zhodnotenie: Výsledkom spolupráce sú 3 prezentácie na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: The University of Burdwan, West Bengal, India
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Chemistry
Začiatok spolupráce: 2009
Zameranie: Polysacharidy a glykokonjugáty rias/mikrorias a liečivých rastlín.
Zhodnotenie: Konzultácie k chemickej analýze zložitých štruktúr biopolymérov a účasť na seminári.

Názov univerzity/vysokej školy a fakulty: University of Adelaide, Glen Osmond, Australia
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - School of Agriculture, Food and Wine, Australian Centre for Plant Functional Genomics
Začiatok spolupráce: 1994
Zameranie: Štúdium bunkových stien rastlín.
Zhodnotenie: Výsledkom spolupráce sú 2 pripravované publikácie.

Názov univerzity/vysokej školy a fakulty: Universität für Bodenkultur Wien, Institut für Chemie, Österreich
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2006
Zameranie: Štruktúrna analýza N- a O-viazaných oligosacharidov; MS/MS analýza glykokonjugátov; štruktúra glykopeptidov; definícia glykoprofilu krvného séra v diagnostike.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia a krátkodobé študijné pobyty.

Názov univerzity/vysokej školy a fakulty: Botanický ústav AVČR

Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2009
Zameranie: Výskum nových sladkovodných rias a kyanobaktérií s významnou produkciou extracelulárnych polysacharidov.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: University of Bari "Aldo Moro", Bari, Italy
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Emergency and Organ Transplantation
Začiatok spolupráce: 2012
Zameranie: Aplikácia lektínových microarray pre sledovania špecifickej expresie glykokonjugátov ako markerov funkčného stavu systému na celých živočíšnych bunkách (folikuly, vajíčka).
Zhodnotenie: Výsledkom spolupráce je príprava publikácie.

Názov univerzity/vysokej školy a fakulty: University of Belgrade, Belgrade, Serbia
Druh spolupráce (spoločné pracovisko alebo iné): Bilaterálny projekt APVV-SK-SRB - Institute for Applied Nuclear Energy (INEP)
Začiatok spolupráce: 2012
Zameranie: Analýza glykánových biomarkerov ako nástroj pre biomedicínsky výskum, sledovanie a diagnostiku nádorových ochorení.
Zhodnotenie: Výsledkom sú 2 spoločné publikácie a 5 príspevkov na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Université Blaise Pascal, Aubiere, Francúzsko
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca a bilaterálny projekt MVTS - Institut de Chimie de Clermont-Ferrand (ICCF)
Začiatok spolupráce: 2013
Zameranie: NMR štúdium štruktúry biosurfaktantov produkovaných baktériami izolovanými z oblačnej vody; analýza polysacharidov.
Zhodnotenie: Získané údaje budú použité pri riešení problému orientácie a interakcií biosurfaktantu produkovaného oblačným mikroorganizmom na rozhraní voda-vzduch.

Názov univerzity/vysokej školy a fakulty: Ege University, Engineering Faculty, Izmir, Turkey
Druh spolupráce (spoločné pracovisko alebo iné): Podpísaná dohoda o spolupráci - Food Engineering Department
Začiatok spolupráce: 2014
Zameranie: Izolácia a charakterizácia polysacharidov z agro-industriálnych a lesných odpadov.
Zhodnotenie: Výsledkom spolupráce je podaný spoločný bilaterálny projekt.

Názov univerzity/vysokej školy a fakulty: N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Laboratory of Glycoconjugate Chemistry
Začiatok spolupráce: 2006
Zameranie: Výskum imunomodulačných vlastností synteticky pripravených oligosacharidov *in vivo* a *ex vivo*.
Zhodnotenie: Výsledkom spolupráce sú 3 publikácie.

Názov univerzity/vysokej školy a fakulty: University of Debrecen, Faculty of Science and Technology, Institute of Chemistry, Debrecen, Hungary
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Organic Chemistry
Začiatok spolupráce: 2012

Zameranie: Syntéza glykozylačných činidiel a ich využitie na glykozyláciu heterocyklov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Institute of Physiology and Fundamental Medicine, Siberian Branch of RAMS, Novosibirsk, Russia
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2010
Zameranie: Štúdium hypolipidemického účinku manánu *Candida albicans* na indukovanú hyperlipidémiu u myší.
Zhodnotenie: Výsledkom spolupráce sú 2 publikácie.

Názov univerzity/vysokej školy a fakulty: The Catholic University of Korea, Bucheon, Republic of Korea
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Biotechnology
Začiatok spolupráce: 2013
Zameranie: Štruktúra a biologická aktivita polysacharidov z rôznych rastlinných materiálov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Faculty of Biotechnology and Food Sciences, Lodz University of Technology, Poland
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Institute of Fermentation Technology and Microbiology
Začiatok spolupráce: 2016
Zameranie: Metchnikowia pulcherrima - zdroj lipidov a pulcherimínu.
Zhodnotenie: Štúdium biodiverzity a vlastností kmeňov kvasiniek *Metschnikowia pulcherrima* a ich úlohy v ekosystéme. Výsledky boli prezentované na vedeckej konferencii.

Názov univerzity/vysokej školy a fakulty: CEITEC Masarykova univerzita, Brno, Česká republika
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2015
Zameranie: Štúdium neväzbových interakcii sacharidov a reakčného mechanizmu glykozyltransferáz použitím výpočtových metód.
Zhodnotenie: Výsledkom spolupráce je 1 spoločná publikácia a 3 prezentácie na vedeckých konferenciách.

Názov univerzity/vysokej školy a fakulty: Rikkyo (St. Paul's) University, Tokyo, Japan
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - College of Science, Department of Chemistry
Začiatok spolupráce: 2015
Zameranie: Štúdium neväzbových interakcií sacharidov a ich analógov použitím výpočtových metód; aplikácie ab initio metód kvantovej chémie na charakterizáciu a predikciu interakcií proteínov.
Zhodnotenie: Výsledkom spolupráce sú 2 publikácie, 8 konferenčných príspevkov, 1 seminárna prednáška, 3 pobyty japonských študentov na CHÚ a 1 postdoktorandský pobyt v Japonsku.

Názov univerzity/vysokej školy a fakulty: Celal Bayar University, Faculty of Engineering, Manisa, Turkey
Druh spolupráce (spoločné pracovisko alebo iné): Podpísaná dohoda o spolupráci - Food Engineering Department
Začiatok spolupráce: 2016

Zameranie: Valorizácia potravinových odpadov.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Institute of Agrophysics, Polish Academy of Sciences, Lublin, Poland
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Microstructure and Mechanics of Biomaterials
Začiatok spolupráce: 2014
Zameranie: Nanoštruktúra biopolymérov z mikrorias.
Zhodnotenie: Spolupráca pri vyhodnocovaní experimentálnych výsledkov.

Názov univerzity/vysokej školy a fakulty: Univerzita Karlova a Všeobecní fakultní nemocnice, Praha, Česká republika
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2015
Zameranie: Dedičné metabolické ochorenia/GSD/ a štruktúrna analýza krvného ApoCIII/identifikácia O-viazaných oligosacharidov.
Zhodnotenie: Výsledkom spolupráce je pripravovaná publikácia.

Názov univerzity/vysokej školy a fakulty: Lékařská fakulta Palackého univerzity, Olomouc, Česká republika
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav molekulární a translační medicíny
Začiatok spolupráce: 2014
Zameranie: Testovanie cytotoxickej a antimikrobiálnej aktivity sacharidových derivátov.
Zhodnotenie: Výsledkom spolupráce sú 2 pripravované publikácie.

Názov univerzity/vysokej školy a fakulty: Uppsala University, Department of Earth Sciences, Uppsala, Sweden
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca – vedy o Zemi
Začiatok spolupráce: 2015
Zameranie: Analýza geologických vzoriek pomocou metód Ramanovej mikroskopie.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Adam Mickiewicz University, Faculty of Chemistry, Poznań, Poland
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2016
Zameranie: Aplikácie ab initio metód kvantovej chémie na charakterizáciu nekovalentných interakcií (najmä SAPT).
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Konkuk University, Seoul, South Korea
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločného projektu - Department of Chemistry
Začiatok spolupráce: 2016
Zameranie: Nanoštrukturové hybridné organicko-anorganické solárne články.
Zhodnotenie: Výsledkom spolupráce je 1 pripravovaná publikácia a 1 prezentácia na vedeckej konferencii.

Názov univerzity/vysokej školy a fakulty: Institute for Macromolecular Studies (ISMAC-CNR), Milan, Italy

Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2000
Zameranie: SEC-MALS analýzy polysacharidov.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Ústav makromolekulární chemie, AV ČR, Praha, ČR
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2011
Zameranie: Výskum mechanických vlastností filmových polysacharidových kompozitov.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Národné poľnohospodárske a potravinárske centrum, Výskumný ústav živočíšnej výroby Nitra
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Ústav včelárstva Liptovský Hrádok
Začiatok spolupráce: 2005
Zameranie: Štúdium látok vo včelej larválnej kašičke s antipatogénnym účinkom voči niektorým larválnym patogénom.
Zhodnotenie: Výsledkom spolupráce je 1 príspevok na vedeckej konferencii.

Názov univerzity/vysokej školy a fakulty: Onkologický ústav sv. Alžbety, Bratislava
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Oddelenie klinickej imunológie a alergológie
Začiatok spolupráce: 2004
Zameranie: Štúdium imunomodulačných účinkov syntetických glykozidov.
Zhodnotenie: Výsledkom spolupráce sú 2 publikácie.

Názov univerzity/vysokej školy a fakulty: Medzinárodné laserové centrum, Bratislava
Druh spolupráce (spoločné pracovisko alebo iné): Riešenie spoločného projektu APVV
Začiatok spolupráce: 2006
Zameranie: Výskum imobilizovaných celobunkových biokatalyzátorov.
Zhodnotenie: Výsledkom spolupráce sú 2 publikácie.

Názov univerzity/vysokej školy a fakulty: Vienna University of Technology, Vienna, Austria
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Institute of Applied Synthetic Chemistry
Začiatok spolupráce: 2006
Zameranie: Výskum imobilizovaných celobunkových biokatalyzátorov.
Zhodnotenie: Odborné konzultácie a výmena poznatkov pri riešení projektov APVV a VEGA.

Názov univerzity/vysokej školy a fakulty: Ústav přístrojové techniky, AV ČR, Brno, ČR
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Oddělení elektronové mikroskopie
Začiatok spolupráce: 2014
Zameranie: Výskum imobilizovaných celobunkových biokatalyzátorov.
Zhodnotenie: Výsledkom spolupráce sú 3 publikácie.

Názov univerzity/vysokej školy a fakulty: Friedrich Schiller University of Jena, Germany
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Institute of Organic Chemistry and Macromolecular Chemistry, Centre of Excellence for Polysaccharide Research
Začiatok spolupráce: 2013
Zameranie: Výskum imobilizovaných celobunkových biokatalyzátorov.

Zhodnotenie: Výsledkom spolupráce je 1 publikácia.

Názov univerzity/vysokej školy a fakulty: Durham University, Durham, UK
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Biosciences
Začiatok spolupráce: 2007
Zameranie: Štúdium úlohy Ire1 proteínu v ER *Sacharomyces cerevisiae*.
Zhodnotenie: Výsledkom spolupráce je 1 publikácia a postdoktorandský pobyt v UK.

Názov univerzity/vysokej školy a fakulty: La Jolla Institute for Allergy and Immunology, San Diego, USA
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Division of Cell Biology
Začiatok spolupráce: 2012
Zameranie: Štúdium vplyvu chemických modifikácií antigénu v imunitnej odpovedi NKT buniek.
Zhodnotenie: Výsledkom spolupráce je pripravovaná publikácia.

Spoločné pracoviská s univerzitami/VŠ (fakultami)

Združené laboratórium Fourier Transform Infrared Spectroscopy, založené v roku 1995, je spoločným pracoviskom Ústavu anorganickej chémie SAV, Chemického ústavu SAV, Fakulty chemickej a potravinárskej technológie STU a Prírodovedeckej fakulty UK v Bratislave. Spoločné laboratórium FTIR spektroskopie v priestoroch CHÚ SAV je vybavené infračerveným spektrometrom NICOLET 6700, ktorý bol zakúpený v roku 2008 z prostriedkov projektu MACHINA a slúži pre potreby výskumu v rámci uvedených inštitúcií, na pedagogické účely ako aj základné servisné merania. V roku 2010 bol spektrometer doplnený o ďalšie príslušenstvo. Neskôr bol doplnený (z prostriedkov projektu MACHINA) o detektor a rozdeľovač lúča pre ďalekú IČ oblasť. Z prostriedkov ŠF EÚ získalo pracovisko v roku 2012 disperzný DXR Raman mikroskop a v roku 2015 bolo pracovisko vybavené špičkovými prístrojmi: FT-IR Mikroskop Nicolet iN10 a FT-IR Spectrometer Nicolet iS50 doplnený o GC-IR modul a FT-IR Raman (Thermo Fisher Scientific, Inc.) z prostriedkov projektu ŠF EÚ Dobudovanie infraštruktúry pre biomedicínsky výskum, ITMS 26230120008 (379 tis. €).

Dňa 11. mája 2007 bol podpísaný dokument „Zmluva a štatút o združení právnických osôb s názvom Národné centrum nukleárnej magnetickej rezonancie na Slovensku“ (NC NMR). Zmluvu podpísali: FCHPT, STU v Bratislave, FEI TU a UPJŠ v Košiciach, PriF UK, Chemický ústav SAV a Ústav merania SAV v Bratislave. NC NMR bolo vytvorené za účelom zabezpečovania potrieb NMR služieb v oblasti základného a aplikovaného výskumu, spolupráce s výrobnými organizáciami, zvyšovania vedomostného potenciálu v oblasti NMR. Sieť NC NMR tvoria Centrá NMR. Na CHÚ SAV je lokalizované Centrum pre štúdium dynamiky a interakcií biomolekúl, ktoré bolo v roku 2009 vybavené NMR prístrojmi Varian (600 MHz a 400 MHz). V roku 2015 bolo pracovisko vybavené (z prostriedkov projektu ŠF EÚ Dobudovanie infraštruktúry pre biomedicínsky výskum, ITMS 26230120008) špičkovými NMR prístrojmi Bruker: NMR Spectrometer Avance III HD 600MHz (2.344 mil. €) a Avance III HD 400MHz (1.021 mil. €).

Dňa 2. septembra 2009 Chemický ústav SAV a Fakulta biotechnológie a potravinárstva SPU v Nitre podpísali dokument „Dohoda o vytvorení spoločného pracoviska metabolomiky rastlín, rastlinných surovín a potravín rastlinného pôvodu“. Cieľom spoločného pracoviska, ktoré je umiestnené v priestoroch CHÚ SAV v Bratislave a Katedry biochémie a biotechnológie FBP SPU v Nitre, je príprava a realizácia vedecko-výskumných projektov základného a aplikovaného výskumu v oblasti posudzovania kvality a bezpečnosti surovín a potravín na úrovni metabolizmu nutrične

významných rastlín s využitím moderných analytických metód a unikátnej prístrojovej techniky a výchova odborných, vedeckých a pedagogických pracovníkov. V rokoch 2011 a 2013 pracovisko implementovalo projekty ŠF EÚ „Centrum excelentnosti pre bielo-zelenú biotechnológiu“ a "Dobudovanie technickej infraštruktúry pre výskum v oblasti nových biotechnológií“ (výzva OPVaV-2013/1.1/02-SORO, 2.88 mil. €), v rámci ktorých sa obstarala špičková prístrojová technika.

6.2. Významné aplikácie výsledkov výskumu v spoločenskej praxi alebo vyriešenie problému pre štátnu alebo neziskovú inštitúciu

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6.3. Iná činnosť využiteľná pre potreby spoločenskej praxe

Detská fakultná nemocnica s poliklinikou, II. Detská klinika - Diagnostické centrum dedičných metabolických porúch, Bratislava

Spoluúčasť NMR laboratória CHÚ SAV v diagnostike niektorých zriedkavých dedičných porúch metabolizmu pomocou cielenej NMR metabolomickej analýzy telových tekutín (moč, sérum, plazma) detských pacientov. Cieľom analýzy bolo potvrdiť alebo vyvrátiť lekármi predpokladanú diagnózu na základe identifikácie charakteristických signálov biomarkerov pre predpokladané ochorenie v ^{1}H NMR spektrách. V roku 2017 sa pokračovalo v diagnostike poruchy guanidinoacetát metyltransferázy GAMT (biomarker guanidinoacetát) a aminoacylázy (acetylované aminokyseliny).

Fakultná nemocnica Trenčín, Onkologické oddelenie, Bratislava

Predúprava a meranie vzoriek sér pacientov s onkologickým ochorením (rakovina hrubého čreva, prsníka a prostaty) pred a po liečbe, resp. zákroku s cieľom identifikovať potenciálne zmeny v glykoprofile vybraných proteínov v súvislosti s ochorením.

Nemocnica sv. Michala, a.s., Oddelenie klinickej biochémie a hematológie, Bratislava

Spoločný biomedicínsky výskum v oblasti diagnostiky zriedkavých metabolických ochorení.

7. Spolupráca s aplikačnou a hospodárskou sférou okrem aktivít uvedených v kap. 2, 3, 4

7.1. Spoločné pracoviská s aplikačnou sférou

Názov pracoviska: Axxence Park-Hala 1
Partner(i): Axxence s.r.o., Bratislava
Zameranie: Aplikovaný výskum v oblasti priemyselnej biokatalýzy
Rok založenia: 2013
Zhodnotenie: Dňa 4. marca 2013 Chemický ústav SAV a súkromná spoločnosť Axxence s.r.o. v Bratislave podpísali dokument „Zmluva o spoločnom pracovisku“ vyplývajúci z realizácie projektu Aplikovaný výskum v oblasti priemyselnej biokatalýzy. Cieľom spoločného pracoviska, ktoré sa nachádza v priestoroch „Axxence Park“ označených ako Hala 1, je poskytovanie komplexnej infraštruktúry pre efektívnejší aplikovaný výskum procesu izolácie prírodných aróm a ich finálnej purifikácie. Súčasťou spoločného pracoviska je zariadenie na vákuovú rektifikáciu poskytujúce vysokoúčinnú separáciu skúmaných látok. Tieto jednotkové operácie sú veľmi náročné vzhľadom na extrémne nízke pracovné tlaky a tepelnú citlivosť spracovávaných surovín. Riešenie spoločných projektov.

Názov pracoviska: Saneca-Infraštruktúra-HL
Partner(i): Saneca Phamaceuticals, a.s.
Zameranie: Aplikovaný výskum v oblasti biomedicíny
Rok založenia: 2015
Zhodnotenie: Dňa 17. augusta 2015 Chemický ústav SAV a súkromná spoločnosť Saneca Pharmaceuticals a.s., Hlohovec podpísali dokument „Zmluva o spolupráci“ vyplývajúci z realizácie projektu ŠF EÚ "Technická infraštruktúra výskumného pracoviska" s cieľom vytvorenia a vybavenia pracoviska lokalizovaného v priestoroch spoločnosti Saneca (Hlohovec), ktoré bude napomáhať prenosu výsledkov základného výskumu do praxe a poskytovať primeranú infraštruktúru pre efektívnejší aplikovaný výskum v oblasti identifikácie, izolácie a finálnej purifikácie dôležitých prírodných látok resp. ich prekurzorov. V rámci projektu OP ŠF Výskum a vývoj (mimobratislavský región) bolo pracovisko vybavené prístrojovou technikou v hodnote 9.86 mil. €. Prístrojovú techniku v súčasnosti využívajú všetky pracoviská združené v klastri Omics4Health. Pripravujú sa ďalšie spoločné projekty do aktuálnych výziev OP ŠF.

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

Názov kontraktu: Pôsobenie rôznych typov endoxylanáz na natívne bunkové steny rastlín (Action of different types of endoxylanases on native plant cell walls)
Partner(i): Novozymes A/S, Bagsvaerd, Denmark
Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014
Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2017
Objem získaných prostriedkov v bežnom roku (€): 10000
Stručný opis výstupu/výsledku: Študoval sa vplyv rôznych typov endo-β-1,4 xylanáz na pomleté piliny eukalyptu zbavené lipidov a voskov. Xylanázy z rodín GH10, GH11 a GH30 vytvárali podobné acetylované xylooligosacharidy. Výsledky potvrdzujú, že xylanázy z rodiny GH30 sú vysoko špecifické na hydrolýzu glukurónoxylánov. Zistilo sa, že sacharidy sú z pilín do roztoku uvoľňované aj samotnou glukuronoyl-esterázou *Ruminococcus flavefaciens* klasifikovanou v rodine CE15.
Zhodnotenie: Riešenie cieľov kontraktu úspešne pokračuje. Dosiahnuté výsledky sa sumarizujú do dvoch publikácií. Zodp. riešiteľ z CHÚ SAV: RNDr. Peter Biely, DrSc.

7.3. Iná činnosť využiteľná pre potreby hospodárskej praxe

Imobilizácia biokatalyzátorov pre priemyselnú produkciu prírodných aróm. Odberateľ: Axxence Slovakia, s.r.o.

Poradenská činnosť v súvislosti s predanou licenciou na využívanie produkčného kmeňa a technológie na prípravu spórových inokúl huby *Trichoderma*, ktoré sú predmetom PP 5108-2008, v prevádzke Biozávod, Petrova Ves. Odberateľ: Azoter, spol. s r. o., Nové Zámky

Testovanie softvéru Mass Frontier 7.0 k interpretácii fragmentácie organických zlúčenín a vyhodnocovaniu chromatografov. Testovanie softéru TreeRobot na získavanie HR hmotnostných spektier a budovanie databázy hmotnostných spektier. Odberateľ: HighChem, Ltd., Bratislava

LC-MS analýza vzoriek. Odberateľ: 1) Fakulta chemickej a potravinárskej technológie STU, Bratislava; finančný prínos: 2950 €; 2) Prírodovedecká fakulta UK, Bratislava; finančný prínos: 250 €; 3) KSZ - Fortis, spol. s r.o. Dunajská Streda; finančný prínos: 910 €; 4) MIKROCHEM s.r.o, Pezinok; finančný prínos: 90 €; 5) Slovak MAK s.r.o., Leopoldov; finančný prínos: 210 €

LC analýza vzoriek. Odberateľ: GEMINI, združenie právnických osôb, Bratislava; finančný prínos: 1100 €

NMR analýza vzoriek. Odberateľ: 1) A1SYNTH, s. r. o. Skalica; finančný prínos: 2500 €; 2) Qatar University, Qatar; finančný prínos: 1200 €; 3) Univerzita Tomáše Bati ve Zlíně, Česká republika; finančný prínos: 360 €

Stanovenie elementárneho zloženia (CHN) vzoriek. Odberateľ: Výskumný ústav papiera a celulózy a.s., Bratislava; finančný prínos: 240 €

Stanovenie elementárneho zloženia (CHN), NMR, MS analýza vzoriek. Odberateľ: Ústav polymérov SAV, Bratislava; finančný prínos: 6050 €

Chemická a mikrobiologická analýza vzoriek vody. Odberateľ: 1) AH - Slovakia, s.r.o., Bratislava; finančný prínos: 534 €; 2) Welldrilling s.r.o., Bratislava; finančný prínos: 532 €; 3) XIMEA s.r.o., Marianka; finančný prínos: 88 €; 4) EKOTERM s.r.o., Bratislava; finančný prínos: 60 €; 5) iné slovenské firmy; finančný prínos: 238 €

8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie

8.1. Členstvo v poradných zboroch vlády SR, Národnej rady SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Tabuľka 8a Členstvo v poradných zboroch Národnej rady SR, vlády SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Meno pracovníka	Názov orgánu	Funkcia
Ing. Slavomír Bystrický, DrSc.	Komisia pre rozhodovanie v konaní o námietkach pri Úrade pre verejné obstarávanie SR	externý člen
Ing. Peter Gemeiner, DrSc.	Komisia pre rozhodovanie v konaní o námietkach pri Úrade pre verejné obstarávanie SR	externý člen
Ing. Miloš Hricovíni, PhD.	Komisia pre rozhodovanie v konaní o námietkach pri Úrade pre verejné obstarávanie SR	externý člen
	Infraštruktúra ESFRI v programe INSTRUCT pri MŠVVaŠ SR	člen
Ing. Zdenka Hromádková, PhD.	Sektorová rada pre potravinárstvo v programe MŠVVaŠ SR a MPSVR SR "Národná sústava povolaní"	člen
RNDr. Mária Matulová, DrSc.	Komisia pre rozhodovanie v konaní o námietkach pri Úrade pre verejné obstarávanie SR	externý člen
	Sektorová rada pre chémiu a farmáciu v národnom projekte"Národná sústava povolaní III" pri MPSVR SR	člen
	Sektorová rada pre chémiu a farmáciu v	člen

	národnom projekte "Národná sústava kvalifikácií" pre Štátny inštitút odborného vzdelávania SR	
doc. Ing. Ladislav Petruš, DrSc.	Porota pre udeľovanie Cien Literárneho fondu za vedeckú a odbornú literatúru v kategórii prírodné a technické vedy	člen

8.2. Expertízna činnosť a iné služby pre štátnu správu a samosprávy

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8.3. Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Tabuľka 8b Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Meno pracovníka	Názov orgánu	Funkcia
Ing. Miloš Hricovíni, PhD.	Rada Národného centra NMR	člen
Ing. Igor Tvaroška, DrSc.	Rada Národného centra NMR	člen

8.4. Prehľad aktuálnych spoločenských problémov, ktoré riešilo pracovisko v spolupráci s Kanceláriou prezidenta SR, s vládnymi a parlamentnými orgánmi alebo pre ich potrebu

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9. Vedecko-organizačné a popularizačné aktivity

9.1.Vedecko-popularizačná činnosť

Tabuľka 9a Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	15	tlač	8	TV	3
rozhlas	4	internet	8	exkurzie	3
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	0				

9.2. Vedecko-organizačná činnosť

Tabuľka 9b Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
Míting INSTRUCT-ULTRA Štruktúrna biológia	domáca	Bratislava	18.10.-18.10.2017	31
44. Výročná konferencia o kvasinkách	medzinárodná	Kongresové centrum SAV, Smolenice	02.05.-05.05.2017	69
14. Bratislavské sympózium o sacharidoch "Glykochémia pre biológiu a medicínu"	medzinárodná	Kongresové centrum SAV, Smolenice	25.06.-30.06.2017	63

9.3. Účasť na výstavách

Názov výstavy: AGROKOMPLEX 2017: 44. ročník medzinárodnej poľnohospodárskej a potravinárskej výstavy
Miesto konania: Agrokomplex Nitra
Dátum: 17.8.2017
Zhodnotenie účasti: Ústav prezentoval kolekciu vzácnych sacharidov, ktoré produkuje Realizačné oddelenie a ktoré sú pre potreby základného výskumu chémie a biochémie sacharidov ako aj potravinárskeho a farmaceutického priemyslu distribuované do celého sveta. V tejto súvislosti sa nadväzovali kontakty za účelom získania nových komerčných partnerov. Prezentovala sa tiež zbierka kvasiniek, farebné polysacharidy, chitooligosacharidy, biotechnologické využitie rastlinných kultúr *in vitro* pre zdravie človeka, vybrané publikácie pracovníkov ústavu a katalóg produktov. Do súťaže o Zlatý kosák ústav prihlásil exponát "D-Tagatose".

Názov výstavy: Týždeň vedy a techniky na Slovensku: výstava Veda netradične - interaktívne vedecké prezentácie
Miesto konania: Bratislava - Výstavisko Incheba Expo
Dátum: 9.11.2017
Zhodnotenie účasti: Usporiadateľom podujatia bolo Ministerstva školstva, vedy, výskumu a športu SR a Národné centrum pre popularizáciu vedy a techniky v spoločnosti. V rámci expozície vo vedeckom stánku s názvom „Cukry a ich využitie v medicíne“ prezentovali Ing. Ľudmila Belická, PhD. a RNDr. Alena Holazová, PhD. z Oddelenia glykobiotechnológie Centra glykomiky Chemického ústavu SAV. Súčasťou stánku bolo predstavenie moderných meracích prístrojov a techník. Návštevníci sa dozvedeli o možnostiach detekcie a využitia biosenzorov pri včasnej diagnostike ochorení, o praktickom využití biosenzorov vo výskume biomarkerov, ďalej akú úlohu zohrávajú sacharidy v ľudskom tele a aký je ich význam pri vzniku a priebehu rôznych chorôb. Návštevníci mali tiež možnosť oboznámiť sa ako funguje jednoduchý model biosenzora.

Názov výstavy: Európska noc výskumníkov 2017 – Made by Science
Miesto konania: Bratislava, Stará tržnica - Vedecké stánky
Dátum: 29.9.2017
Zhodnotenie účasti: Vo vedeckom stánku "Nano a Bio v každodennom živote" predstavili pracovníci Oddelenia glykobiotechnológie Centra glykomiky Chemického ústavu SAV (RNDr. Alena Holazová, PhD., RNDr. Lenka Lorencová, PhD., Ing. Tomáš Bertók, PhD., Ing. Tomáš Krajčovič) návštevníkom možnosti detekcie a využitia biosenzorov pri včasnej diagnostike ochorení, praktické využitie biosenzorov vo výskume biomarkerov a ich význam v praxi. Návštevníci mali tiež možnosť oboznámiť sa ako funguje model biosenzora a mohli si vyskúšať prácu s mikroskopom.

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9c Programové a organizačné výbory národných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Farkaš Pavol	0	1	0
Hricovíni Miloš	0	0	1
Katrlík Jaroslav	1	0	0
Mastihuba Vladimír	1	0	0
Tkáč Ján	1	0	0
Spolu	3	1	1

9.5. Členstvo v redakčných radách časopisov

RNDr. Marek Baráth, PhD.

Chemical Papers (funkcia: Associate Editor)

RNDr. Peter Biely, DrSc.

Yeast Newsletter (funkcia: Associate Editor)

Mgr. Peter Capek, PhD.

Trends in Carbohydrate Research (funkcia: člen Advisory Board)

Ing. Peter Gemeiner, DrSc.

Artificial Cells, Blood Substitutes, and Biotechnology (funkcia: člen Editorial Board)
Biotechnology and Applied Biochemistry (funkcia: člen Editorial Board)
Biotechnology Letters (funkcia: člen Editorial Board)
Chemical Papers (funkcia: člen Editorial Advisory Board)

Ing. Ján Hirsch, DrSc.

Chemical Papers (funkcia: Editorial Manager)

Ing. Zdenka Hromádková, PhD.

Chemical Papers (funkcia: člen Editorial Advisory Board)

Ing. Miroslav Kóš, DrSc.

Acta Chimica Slovaca (funkcia: člen Editorial Board)
Chemical Papers (funkcia: člen Editorial Advisory Board)
Molecules (funkcia: člen Editorial Board)

Mgr. Stanislav Kozmon, PhD.

Chemical Papers (funkcia: Associate Editor)

RNDr. Desana Lišková, PhD.

South African Journal of Botany (funkcia: člen Editorial Board)

prof. RNDr. Alexander Lux, CSc.

Plant Root (funkcia: Editor)

Ing. Jozef Nahálka, PhD.

Journal of Glycomics & Lipidomics (funkcia: člen Editorial Board)

doc. Ing. Ladislav Petruš, DrSc.

ARKIVOC (funkcia: člen Editorial Board of Referees)

Chemical Papers (funkcia: člen Editorial Advisory Board)

Ing. Ján Tkáč, DrSc.

Chemical Papers (funkcia: Associate Editor)
Microchimica Acta (funkcia: Expert Reviewer)

Ing. Igor Tvaroška, DrSc.

Frontiers in Plant Science: Plant Biophysics and Modeling (funkcia: Review Editor)

9.6. Činnosť v domácich vedeckých spoločnostiach

RNDr. Marek Baráth, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Peter Biely, DrSc.

Slovenská akademická spoločnosť (funkcia: člen)

Ing. Pavol Farkaš, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Ján Gajdoš, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: tajomník odbornej skupiny)

Ing. Peter Gemeiner, DrSc.

Slovenská biotechnologická spoločnosť (funkcia: podpredseda)

Ing. Ján Hirsch, DrSc.

Slovenská chemická spoločnosť pri SAV (funkcia: predseda odbornej skupiny)

Ing. Miloš Hricovíni, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Zuzana Hricovíniová, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Ing. Andrej Chyba, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Mgr. Jana Jakubčinová

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Mgr. Elena Karnišová Potocká, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Ing. Peter Kis

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Karin Kollárová, PhD.

Slovenská botanická spoločnosť pri SAV (funkcia: podpredseda a tajomník Fyziologickej sekcie)

Ing. Miroslav Kóš, DrSc.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Ján Kozák, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Mgr. Stanislav Kozmon, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Mgr. Danica Kučerová, PhD.

Slovenská botanická spoločnosť pri SAV (funkcia: člen)

RNDr. Desana Lišková, PhD.

Slovenská botanická spoločnosť pri SAV (funkcia: člen)

RNDr. Lenka Lorencová, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

prof. RNDr. Alexander Lux, CSc.

Slovenská botanická spoločnosť pri SAV (funkcia: člen)

RNDr. Anna Malovíková, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Ing. Vladimír Mastihuba, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen Predsedníctva)

Ing. Mária Mastihubová, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: podpredseda Odbornej skupiny Organická chémia)

RNDr. Mária Matulová, DrSc.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Zuzana Neščáková, PhD.

Slovenská imunologická spoločnosť pri SAV (funkcia: člen)

Ing. Ema Paulovičová, CSc.

Slovenská imunologická spoločnosť pri SAV (funkcia: člen)
Slovenská spoločnosť alergológie a klinickej imunológie pri SLS (funkcia: člen)

Ing. Lucia Paulovičová, PhD.

Slovenská imunologická spoločnosť pri SAV (funkcia: člen)

Ing. Vladimír Pätoprstý, PhD.

Slovenská spoločnosť hmotnostnej spektrometrie (funkcia: predseda)

doc. Ing. Ladislav Petruš, DrSc.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Mária Petrušová, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Vlasta Sasinková

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Ing. Ján Tkáč, DrSc.

Slovenská elektrochemická spoločnosť (funkcia: člen)

Ing. Jozef Turjan

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Ing. Igor Tvaroška, DrSc.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

RNDr. Iveta Uhliariková

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

Mgr. Zuzana Vatehová, PhD.

Slovenská chemická spoločnosť pri SAV (funkcia: člen)

9.7. Iné dôležité informácie o vedecko-organizačných a popularizačných aktivitách

V rámci Týždňa vedy a techniky na Slovensku 2017 (TVT 2017), Chemický ústav SAV usporiadal Deň otvorených dverí CHÚ SAV (7.11.2017), počas ktorého viacerí pracovníci formou prednášok popularizovali svoju vedecko-výskumnú činnosť. Návštevníci mali tiež možnosť prezrieť si vybrané laboratóriá ústavu, kde boli pripravené aj špeciálne popularizačné chemické pokusy a ukážky. Tento rok sa dňa otvorených dverí zúčastnilo 146 návštevníkov.

Pracovníci ústavu pokračovali v práci s talentovanými študentmi stredných škôl (Ing. E. Paulovičová, CSc. - vedenie maturitného projektu z chémie; Mgr. T. Klunda - semináre z chémie a vedenie chemického krúžku). V tejto súvislosti bolo odprezentovaných viacero popularizačných prednášok na gymnáziách v Bratislave.

Ing. V. Mastihuba, PhD. organizačne zabezpečoval pravidelný (6-krát ročne) cyklus vedecko-popularizačných prednášok "Chemické Horizonty" v rámci aktivít Slovenskej chemickej spoločnosti pri SAV.

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		25398
z toho	knihy a zviazané periodiká	25398
	audiovizuálne dokumenty	0
	elektronické dokumenty (vrátane digitálnych)	0
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	0
	Rukopisy, vzácne tlače	0
Počet titulov dochádzajúcich periodík		4
z toho zahraničné periodiká		3
Ročný prírastok knižničných jednotiek		5
v tom	kúpou	5
	darom	0
	výmenou	0
	bezodplatným prevodom	0
	náhradou	0
Úbytky knižničných jednotiek		94
Knižničné jednotky spracované automatizovane		5

*Výraz **„v tom“** označuje úplné (vyčerpávajúce) údaje, ktorých súčet sa musí rovnať údaju v riadku „spolu“, čiže nadradenému riadku.*
*Výraz **„z toho“** označuje neúplné (výberové) údaje, ktorých súčet sa nemusí rovnať údaju v riadku „spolu“.*

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu (riadok 1)		19
v tom z r. 1	prezenčné výpožičky	12
	absenčné výpožičky	7
v tom z r. 1	odborná literatúra pre dospelých	7
	výpožičky periodík	12
MVS iným knižniciam		4
MVS z iných knižníc		5
MMVS iným knižniciam		0
MMVS z iných knižníc		2
Počet vypracovaných bibliografií		0
Počet vypracovaných rešerší		0

10.3. Používatelia

Tabuľka 10c Používatelia

Registrovaní používatelia	0
Návštevníci knižnice spolu (bez návštevníkov podujatí)	neeviduje sa

10.4. Iné údaje

Tabuľka 10d Iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	1
Náklady na nákup knižničného fondu v €	3890

10.5. Iné informácie o knižničnej činnosti

Pracovníčky knižnice (2) zabezpečovali okrem iného rozmnožovacie práce na xeroxe, rešerše z literatúry a do systému ARL vkladali publikačné výstupy a citačné ohlasy pracoviska.

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

– – –

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

– – –

11.3. Členstvo vo vedeckých kolégiách SAV

Ing. Slavomír Bystrický, DrSc.

- VK SAV pre lekárske vedy (člen)

Ing. Peter Gemeiner, DrSc.

- VK SAV pre chemické vedy (predseda)

Ing. Ján Hirsch, DrSc.

- VK SAV pre chemické vedy (člen)

RNDr. Jaroslav Klaudiny, PhD.

- VK SAV pre molekulárnu biológiu a genetiku (člen)

Ing. Miroslav Kóš, DrSc.

- VK SAV pre chemické vedy (člen)

RNDr. Desana Lišková, PhD.

- VK SAV pre biologicko-ekologické vedy (člen)

Ing. Igor Tvaroška, DrSc.

- VK SAV pre chemické vedy (člen)

11.4. Členstvo v komisiách SAV

Ing. Ján Hirsch, DrSc.

- Edičná rada SAV (člen)

Ing. Miroslav Kóš, DrSc.

- Knižničná rada SAV (člen)
- Komisia SAV pre duševné vlastníctvo, inovácie a technologický transfer (člen)
- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)
- Komisia SAV pre spoluprácu s vedeckými spoločnosťami (člen)

Ing. Peter Magdolen

- Dislokačná komisia SAV (člen)

doc. Ing. Ladislav Petruš, DrSc.

- Komisia SAV pre medzinárodnú vedecko-technickú spoluprácu (člen)
- Komisia SAV pre životné prostredie (podpredseda)

Ing. Ján Tkáč, DrSc.

- Komisia SAV pre medzinárodnú vedecko-technickú spoluprácu (člen)

Ing. Renáta Vadkertiová, PhD.

- Komisia SAV pre životné prostredie (člen)

11.5. Členstvo v orgánoch VEGA

Mgr. Peter Capek, PhD.

- Komisia VEGA č. 3 pre chemické vedy, chemické inžinierstvo a biotechnológie (člen)

Ing. Ján Hirsch, DrSc.

- Komisia VEGA č. 3 pre chemické vedy, chemické inžinierstvo a biotechnológie (člen)

doc. Ing. Ladislav Petruš, DrSc.

- Komisia VEGA č. 3 pre chemické vedy, chemické inžinierstvo a biotechnológie (člen)

12. Hospodárenie organizácie

12.1. Výdavky PO SAV

Tabuľka 12a Výdavky PO SAV (v €)

V ý d a v k y	Skutočnosť k 31.12.2017 spolu	v tom:			
		zo ŠR od zriaďovateľa	z vlastných zdrojov	z iných zdrojov	z toho:
					ŠF EÚ
Výdavky spolu	3 081 544	2 081 043	261 364	739 137	0
Bežné výdavky	3 065 913	2 068 710	261 364	735 839	0
v tom:					
mzdy (610)	1 505 785	1 314 783	25 653	165 349	0
poistné a príspevok do poisťovní (620)	538 366	330 808	13 956	193 602	0
tovary a služby (630)	757 825	259 429	191 682	306 714	0
z toho: časopisy	36 338	25 069	11 269	0	0
VEGA projekty	160 548	160 548	0	0	0
MVTS projekty	175 732	52 903	0	122 829	0
CE	0	0	0	0	0
vedecká výchova	7 020	7 020	0	0	0
bežné transfery (640)	263 937	163 690	30 073	70 174	0
z toho: štipendiá	163 690	163 690	0	0	0
transfery partnerom projektov	70 025	0	0	70 025	0
Kapitálové výdavky	15 631	12 333	0	3 298	0
v tom:					
obstarávanie kapitálových aktív	15 631	12 333	0	3 298	0
kapitálové transfery	0	0	0	0	0
z toho: transfery partnerom projektov	0	0	0	0	0

12.2. Príjmy PO SAV

Tabuľka 12b Príjmy PO SAV (v €)

P r í j m y	**Skutočnosť k 31.12.2017 spolu**	**v tom:**	
		rozpočtové	**z mimorozp. zdrojov**
Príjmy spolu	2 916 430	2 081 044	835 386
Nedaňové príjmy	2 363 652	2 081 044	282 608
v tom:			
príjmy z prenájmu	586	0	586
príjmy z predaja výrobkov a služieb	281 299	0	281 299
iné	723	0	723
Granty a transfery (mimo zdroja 111)	552 778	0	552 778
v tom:			
tuzemské	350 300	0	350 300
z toho: APVV	350 300		350 300
iné			
zahraničné	202 478	0	202 478
z toho: projekty rámcového programu EÚ	106 693	0	106 693
iné	95 785	0	95 785

13. Nadácie a fondy pri organizácii SAV

Chemický ústav SAV nespravoval v roku 2017 žiadnu nadáciu ani fondy.

14. Iné významné činnosti organizácie SAV

Organickou súčasťou ústavu je Zbierka kultúr kvasiniek (Culture Collection of Yeasts), ktorá je členom Organizácie európskych zbierok (ECCO), Svetovej federácie zbierok mikroorganizmov (WFCC), je registrovaná vo Svetovom katalógu kultúr (CCY 333) a má štatút medzinárodného ukladacieho centra patentovo chránených kmeňov (je v nej uložených asi 3500 kmeňov kvasiniek a kvasinkovitých mikroorganizmov, z toho 350 typových kultúr a kmeňov chránených patentami). Počet vydaných kultúr v roku 2017: 39 (12 pre CHÚ SAV, 15 pre iné organizácie a 12 pre zahraničie). Získané kultúry v roku 2017: 101 (81 samostatne izolovaných a 20 získaných z iných

pracovísk). Príjem za honorované služby (predané kultúry, identifikované kmene, úschova a rekultivácia kmeňov) predstavoval 1065 € a úspora predstavovala 3390 € (360 € za kmene pre CHÚ, 2430 € za izolované a získané kmene a 600 € za získané kmene zo zahraničia a iných pracovísk).

Chemický ústav SAV je vydavateľom časopisu *Chemical Papers* - jediného odborného periodika vydávaného na Slovensku, ktoré publikuje pôvodné vedecké práce z oblasti chémie v anglickom jazyku. Časopis je abstrahovaný/indexovaný v Analytical Abstracts, Biological Abstracts, Chemical Abstracts Service, Chemistry Citation Index, Current Contents/Physical, Chemical and Earth Sciences, Index to Scientific Reviews, Mass Spectrometry Bulletin, Mathematical Science Citation Index, Reaction Citation Index, Referativnyi Zhurnal a v databázach Thompson Reuters (Science Citation Index Expanded, WOS). Impakt faktor časopisu v ostatných rokoch výrazne narastal (IF2012 = 0.879; IF2013 = 1.193; IF2014 = 1.468; IF2015 = 1.326; IF2016 = 1.258). Činnosť redakcie časopisu zabezpečuje personálne aj materiálne Chemický ústav SAV. V období 2007-2014 bolo publikovanie tlačenej aj elektronickej verzie časopisu v kompetencii vydavateľstva Springer-Verlag GmbH (Publisher: Versita, co-published with Springer-Verlag GmbH). V období rokov 2015-2016 bol vydavateľom a distribútorom De Gruyter Open Ltd. Od roku 2017 je vydavateľom a distribútorom Springer-Verlag GmbH, pričom Copyright a Ownership patrí Chemickému ústavu SAV. Od roku 2012 vychádza 12 čísiel ročne (predtým 6 čísiel).

V Realizačnom oddelení ústavu sa na základe priebežne dosahovaných výsledkov základného výskumu vyrába široký sortiment vzácnych sacharidov. Tieto dodáva na zahraničný trh, niektoré ako jediný producent na svete. Ústav je v priamom styku s viacerými poprednými svetovými firmami a prostredníctvom obchodných partnerov má kontakty s najvýznamnejšími dodávateľmi čistých chemikálií. Celkové tržby z komerčnej činnosti Realizačného oddelenia dosiahli v roku 2017 sumu 198683 €.

Analytické oddelenie poskytuje analytické, chromatografické, elektroforetické a spektroskopické stanovenia a merania ako aj kompletné analytické a štrukturálne charakterizácie produktov a študovaných látok iným pracoviskám. Príjmy zo služieb ústavom SAV, katedrám a ústavom vysokých škôl, rezortným a súkromným výskumným a výrobným organizáciám predstavovali 15860 €. Príjmy za rozbory vody, ktoré poskytuje špeciálne laboratórium zriadené na tieto účely (analyzovaných bolo 118 vzoriek), predstavovali sumu cca 4800 €. V súčasnosti je snahou získať pre toto laboratórium príslušný certifikát kvality, čo by prispelo k zvýšeniu tržieb.

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v r. 2017

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

Biely Peter
Cena SAV za vedecko-výskumnú činnosť
Oceňovateľ: Predsedníctvo SAV
Opis: Za súbor vedeckovýskumných prác Nové mikrobiálne enzýmy degradujúce rastlinné bunkové steny. Kolektív: RNDr. M. Vršanská, DrSc., Mgr. V. Puchart, PhD., M. Cziszárová, Ing. K. Šuchová, PhD., Ing. J. Hirsch, DrSc.

Biely Peter
Ocenenie Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za vedeckú publikáciu s mimoriadne veľkým počtom citácií

Capek Peter
Ocenenie Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za vedeckú publikáciu s mimoriadne veľkým počtom citácií

Damborská Dominika
Cena Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za 1. miesto v Súťaži mladých vedeckých pracovníkov SAV do 35 r. za II. oddelenie vied SAV.

Ebringerová Anna
Ocenenie Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za vedeckú publikáciu s mimoriadne veľkým počtom citácií

Lux Alexander
Ocenenie Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za vedeckú publikáciu s mimoriadne veľkým počtom citácií

Sasinková Vlasta
Ocenenie Predsedníctva SAV
Oceňovateľ: Predsedníctvo SAV
Opis: Za vedeckú publikáciu s mimoriadne veľkým počtom citácií

15.1.2. Iné domáce ocenenia

Bertók Tomáš
Finalista Falling Walls Lab Slovakia
Oceňovateľ: Univerzita Komenského v Bratislave (hlavný organizátor)
Opis: Výber do pilotného kola (29.11.2017, Bratislava) urobila odborná porota.

Bertók Tomáš
Mladá osobnosť vedy
Oceňovateľ: Centrum vedecko-technických informácií SR, Slovenská akadémia vied a Zväz slovenských vedeckotechnických spoločností
Opis: Za výskumnú a popularizačnú činnosť v oblasti aplikácie nanoštruktúr (20. ročník súťaže - ocenenie za rok 2016).

Kóš Miroslav
Medaila Daniela Belluša
Oceňovateľ: Slovenská chemická spoločnosť pri SAV
Opis: Za výnimočné zásluhy o rozvoj chémie a Spoločnosti.

Mastihuba Vladimír
Medaila Slovenskej chemickej spoločnosti pri SAV
Oceňovateľ: Slovenská chemická spoločnosť pri SAV
Opis: Za tvorivý prínos pri práci v Predsedníctve Spoločnosti.

Pakanová Zuzana
Cena Shimadzu za rok 2017

Oceňovateľ: Firma Shimadzu v spolupráci so Slovenskou chemickou spoločnosťou pri SAV
Opis: Cena udelená v odbore Analytická chémia. 1. miesto je spojené s finančnou odmenou 2000 €.

Paulovičová Ema
Bronzová medaila SLS
Oceňovateľ: Slovenská lekárska spoločnosť
Opis: Za zásluhy o Slovenskú lekársku spoločnosť.

15.2. Medzinárodné ocenenia

– – –

16. Poskytovanie informácií v súlade so zákonom č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení neskorších predpisov (Zákon o slobode informácií)

Informácie o pracovisku sú voľne dostupné na internete (www.chem.sk) ako aj z knižných brožúr vydaných za roky 1953-1993, 1993-1997 a 1998-2002. Začiatkom roka 2015 bola vydaná brožúra k 60. výročiu založenia ústavu, ktorá obsahuje niektoré údaje o pracovisku až do roku 2013.

17. Problémy a podnety pre činnosť SAV

a) Zabezpečovanie a prideľovanie finančných prostriedkov zo ŠR

Upozorňujeme na včasné prideľovanie schválených finančných prostriedkov zo ŠR na všetky druhy grantových projektov v kalendárnom roku (aj keď v tomto smere už došlo k zlepšeniu), aby oneskorené platby nekomplikovali organizáciu práce riešiacich kolektívov a plnenie harmonogramu etáp riešenia projektov a zároveň, aby mohla byť plnená požiadavka štátnej pokladnice na rovnomerné čerpanie štátnych finančných prostriedkov v priebehu roka.

Apelujeme na P SAV, aby nezniževalo príspevok na vydávanie kvalitných vedeckých časopisov (periodík).

Oceňujeme rozhodnutie P SAV, že v r. 2017 neznížilo finančné prostriedky na granty akademickej agentúry VEGA a že sa podieľalo na stabilizácii financovania projektov Verejnej výzvy APVV.

b) Iné problémy pracoviska

Napriek tomu, že sa výrazne zmodernizovala prístrojová technika v Analytickom oddelení, ktoré bolo vďaka finančným prostriedkom (cca 17 mil. €) z troch implementovaných projektov OP ŠF, v ktorých bol ústav nositeľom projektu, vybavené špičkovými a sofistikovanými prístrojmi a taktiež došlo k zlepšeniu situácie aj v prístrojovom vybavení jednotlivých výskumných laboratórií (vďaka finančným prostriedkom z troch projektov OP ŠF, v ktorých ústav participoval ako partner), nedostatok kapitálových finančných prostriedkov z iných zdrojov neumožnil v roku 2017 výraznejšiu obnovu prístrojového vybavenia v Realizačnom oddelení a v Zbierke kvasiniek. Zbierka má možnosť používať špeciálne prístroje zakúpené z prostriedkov OP ŠF a dva prístroje slúžiace na identifikáciu kvasiniek pomocou molekulárno-biologických metód zakúpené v r. 2013 z vlastných zdrojov; potrebuje však obnoviť a dokúpiť základné prístrojové vybavenie (najvyššiu prioritu majú autoklávy a hlbokomraziaci box na −86 °C), zrekonštruovať a zmodernizovať priestory a nábytkové vybavenie a uzatvoriť priestory, v ktorých sa nachádza, aby mohla splniť štandardy, ktoré vyžaduje OECD, Svetová federácia zbierok mikroorganizmov (WFCC) a Európska

organizácia zbierok mikroorganizmov (ECCO). Toto ako aj úplná rekonštrukcia počítačovej siete v budove bude prioritou pri účasti v ďalších výzvach OP ŠF EÚ.

Vzhľadom k havarijnému stavu zdravotechniky (vodoinštalácia, kúrenie, odpady, vzduchotechnika) v celej budove, je nevyhnutné pripraviť projekt a následne plán na jej postupnú komplexnú rekonštrukciu. V tomto smere bude potrebné vyčleniť čo najskôr prostriedky z rozpočtu SAV (financovanie v rámci aktuálnych výziev OP ŠF EÚ je nereálne), inak môže byť ohrozená činnosť piatich ústavov sídliacich v budove. CHÚ SAV ako správca budovy musí vynakladať značné úsilie na časté riešenie havarijných stavov.

Problémom sa stávajú pomerne časté náhodilé výpadky elektrického prúdu v areáli (nie je to chybou elektrických rozvodov v budove, pretože tie boli pred pár rokmi komplexne zrekonštruované), ktoré poškodzujú citlivú drahú prístrojovú techniku, a to až do takej miery, že hrozí havária niektorých prístrojov a ich oprava bude stáť ústav značné finančné prostriedky. Apelujeme preto na P SAV, aby sa tomuto problému venovala pozornosť v celoareálovom merítku, pretože ho nie je možné vyriešiť ako záležitosť budovy resp. jednotlivého ústavu (napr. inštalácia výkonnejšieho generátora prúdu vyžaduje stavebné povolenie).

b) Iné podnety

Upozorňujeme na niektoré nedostatky v Osnove Správy o činnosti organizácie: a) v záhlaví tabuľky 3e “Menný prehľad pracovníkov, ktorí boli menovaní do spoločných odborových komisií pre doktorandské štúdium” treba slovo “spoločných” vynechať alebo nahradiť slovom “univerzitných”, pretože spoločné odborové komisie ukončili svoju činnosť už v roku 2010 a od roku 2011 existujú len odborové komisie pre doktorandské štúdium, ktoré sú zriaďované osobitne pre každú univerzitu, na ktorej bol príslušný odbor doktorandského štúdia akreditovaný; b) zosúladiť resp. rozlišovať (regionalita versus účasť) používanie výrazov "zahraničný" a medzinárodný" (napr. pri vedeckých konferenciách); c) nesúlad medzi osnovou a údajmi vo vygenerovanej správe čo sa týka poradia a číslovania podkapitol a tabuliek v kapitole 9.

Oceňujeme, že pre publikačné výstupy v Osnove správy o činnosti organizácie SAV došlo po našich viacerých pripomienkach k zmene (kvôli zjednoteniu údajov z osnovy a akreditačného dotazníka), t.j. v správe sa budú uvádzať publikačné výstupy v časopisoch evidovaných vo WOS a Scopus (delené na impaktované a neimpaktované) a nie iba v časopisoch evidovaných v Current Contents.

Vzhľadom na to, že systém prideľovania doktorandských miest (“kvóta“) na jednotlivé ústavy nie je vyhovujúci a mnohé pracoviská ho považujú za “nespravodlivý“, navrhujeme ho prehodnotiť a prispôsobiť súčasným potrebám a vedeckým trendom.

Apelujeme na P SAV, aby sledovalo situáciu prístupu do vedeckých databáz a nedopustilo, že dôjde k prerušeniu prístupu do nich.

Apelujeme na P SAV, aby sa pre SAV pokúsilo vybaviť výnimku zo zákona o verejnom obstarávaní, ktorý pracoviskám SAV spôsobuje značné komplikácie.

Správu o činnosti organizácie SAV spracoval(i):

	Ing. Miroslav Kóš, DrSc.	tel.: 02/ 59410254, 02/ 59410200
Ekonomická časť:	Oľga Švančarová	tel.: 02/ 59410208

Riaditeľ organizácie SAV	**Predseda vedeckej rady**
.....	.....
Ing. Miroslav Kóš, DrSc.	Ing. Ján Tkáč, DrSc.

Prílohy

Príloha A
Zoznam zamestnancov a doktorandov organizácie k 31.12.2017

Zoznam zamestnancov podľa štruktúry (nadväzne na údaje v Tabuľke 1a)

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	RNDr. Peter Biely, DrSc.	5	0.05
2.	Ing. Slavomír Bystrický, DrSc.	50	0.50
3.	doc. Ing. Vladimír Farkaš, DrSc.	5	0.05
4.	Ing. Peter Gemeiner, DrSc.	5	0.05
5.	Ing. Ján Hirsch, DrSc.	5	0.05
6.	Ing. Miroslav Kóš, DrSc.	100	1.00
7.	RNDr. Mária Matulová, DrSc.	100	1.00
8.	doc. Ing. Ladislav Petruš, DrSc.	80	0.80
9.	Ing. Ivan Šimkovic, DrSc.	90	0.90
10.	Ing. Ján Tkáč, DrSc.	130	1.30
11.	Ing. Igor Tvaroška, DrSc.	5	0.05
12.	RNDr. Mária Vršanská, DrSc.	60	0.60
Vedúci vedeckí pracovníci CSc., PhD.			
1.	Ing. Anna Ebringerová, PhD.	5	0.05
Samostatní vedeckí pracovníci			
1.	RNDr. Marek Baráth, PhD.	100	1.00
2.	Mgr. Peter Baráth, PhD.	100	1.00
3.	Ing. Tomáš Bertók, PhD.	150	1.50
4.	Mgr. Jana Blahutová, PhD.	100	0.00
5.	Ing. Emília Breierová, PhD.	100	1.00
6.	Ing. Marek Bučko, PhD.	100	1.00
7.	Mgr. Peter Capek, PhD.	100	1.00
8.	Ing. Alžbeta Čížová, PhD.	100	1.00
9.	Ing. Hana Dudášová, PhD.	100	1.00
10.	Ing. Pavol Farkaš, PhD.	100	1.00
11.	Ing. Eva Hrabárová, PhD.	100	1.00
12.	Ing. Miloš Hricovíni, PhD.	100	1.00
13.	RNDr. Zuzana Hricovíniová, PhD.	100	1.00

14.	Ing. Zdenka Hromádková, PhD.	100	1.00
15.	Ing. Jaroslav Katrlík, PhD.	130	1.25
16.	RNDr. Jaroslav Klaudiny, PhD.	100	1.00
17.	RNDr. Karin Kollárová, PhD.	100	1.00
18.	Mgr. Juraj Kóňa, PhD.	100	1.00
19.	Ing. Zuzana Košťálová, PhD.	100	1.00
20.	Mgr. Stanislav Kozmon, PhD.	100	1.00
21.	RNDr. Desana Lišková, PhD.	100	1.00
22.	prof. RNDr. Alexander Lux, CSc.	5	0.05
23.	RNDr. Eva Machová, PhD.	60	0.60
24.	RNDr. Anna Malovíková, PhD.	5	0.05
25.	Ing. Vladimír Mastihuba, PhD.	100	1.00
26.	Ing. Mária Mastihubová, PhD.	100	1.00
27.	Ing. Júlia Mičová, PhD.	100	1.00
28.	RNDr. Ján Mucha, CSc.	100	1.00
29.	Ing. Jozef Nahálka, PhD.	100	1.00
30.	Ing. Marek Nemčovič, PhD.	100	1.00
31.	Ing. Ema Paulovičová, CSc.	100	1.00
32.	Ing. Lucia Paulovičová, PhD.	70	0.78
33.	Ing. Vladimír Pätoprstý, PhD.	100	1.00
34.	RNDr. Mária Petrušová, PhD.	100	1.00
35.	Ing. Monika Poláková, PhD.	100	1.00
36.	Mgr. Vladimír Puchart, PhD.	100	1.00
37.	Ing. Eva Stratilová, PhD.	100	1.00
38.	Ing. Sergej Šesták, PhD.	100	1.00
39.	Ing. Katarína Šuchová, PhD.	100	0.92
40.	Ing. Renáta Vadkertiová, PhD.	100	1.00
41.	Ing. Alica Vikartovská, PhD.	124	1.24
Vedeckí pracovníci			
1.	Ing. Ľudmila Belická, PhD.	130	1.30
2.	Ing. Maroš Bella, PhD.	100	1.00
3.	RNDr. Jana Bellová, PhD.	100	0.42
4.	RNDr. Anikó Bertóková, PhD.	100	0.00
5.	Ing. Dominika Damborská, PhD.	30	0.30
6.	RNDr. Lucia Demovičová, PhD.	100	0.00

7.	Ing. Soňa Garajová, PhD.	100	0.00
8.	RNDr. Alena Holazová, PhD.	130	1.30
9.	Ing. Andrej Chyba, PhD.	100	1.00
10.	RNDr. Eduard Jáné, PhD.	130	0.87
11.	Mgr. Elena Karnišová Potocká, PhD.	100	0.38
12.	Mgr. Lenka Kohútová, PhD.	100	0.00
13.	RNDr. Ján Kozák, PhD.	100	1.00
14.	Mgr. Danica Kučerová, PhD.	100	0.00
15.	RNDr. Lenka Lorencová, PhD.	128	1.28
16.	Ing. Zuzana Pakanová, PhD.	100	0.00
17.	RNDr. Klaudia Palenčárová, PhD.	100	0.92
18.	Ing. Božena Pribulová, PhD.	100	1.00
19.	Ing. Andrea Schenkmayerová, PhD.	100	0.00
20.	Ing. Vladimír Sládek, PhD.	100	0.79
21.	Mgr. Milan Soukup, PhD.	50	0.17
22.	Mgr. Mária Šedivá, PhD.	100	1.00
23.	Ing. Kristína Vadinová, PhD.	100	0.00
24.	Mgr. Jana Valáriková, PhD.	100	0.58
25.	Mgr. Zuzana Vatehová, PhD.	100	1.00
26.	RNDr. Jana Ziburová, PhD.	100	1.00
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Bc. Barbora Alföldyová	100	1.00
2.	Ing. Viera Bedrichová	100	1.00
3.	Ing. Erika Farkašová	100	1.00
4.	Mgr. Erika Chocholová	30	0.30
5.	Ing. Peter Kis	8	0.08
6.	Ing. Mária Kopáčová	100	0.37
7.	Ing. Tomáš Krajčovič	40	0.30
8.	Mgr. Martina Križáková	20	0.18
9.	Ing. Filip Květoň	30	0.30
10.	Ing. Peter Magdolen	100	1.00
11.	RNDr. Vlasta Sasinková	100	1.00
12.	Ing. Hana Smrtičová	100	1.00
13.	Ing. Jozef Švec	100	1.00
14.	Ing. Jozef Turjan	100	1.00

15.	RNDr. Iveta Uhliariková	100	1.00
Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Ing. Ema Podobová	100	1.00
2.	PhDr. Eva Riganová	100	1.00
3.	Mgr. Jana Žabková	100	1.00
Odborní pracovníci ÚSV			
1.	Mária Bednáriková	100	1.00
2.	Veronika Bencová	100	1.00
3.	Alena Bordáčová	100	1.00
4.	Helena Čigašová	100	1.00
5.	Eva Filipková	100	1.00
6.	Ľudmila Gažíková	100	1.00
7.	Jana Guthová	100	1.00
8.	Beáta Chválová	100	1.00
9.	Beáta Kalivodová	100	1.00
10.	Alžbeta Kanská	100	1.00
11.	Janka Komačková	100	1.00
12.	Ľudovít Kompaník	100	1.00
13.	Eva Morháčová	100	1.00
14.	Milan Novosad	100	1.00
15.	Nadežda Orthová	100	1.00
16.	Ondrej Penzeš	100	1.00
17.	Margita Plšková	20	0.20
18.	Emília Rosová	100	1.00
19.	Kvetoslava Sabová	100	0.92
20.	Zdena Smolková	100	1.00
21.	Radoslava Šályová	125	1.25
22.	Alena Šoltésová	100	1.00
23.	Nadežda Šporánková	100	1.00
24.	Oľga Švančarová	100	1.00
25.	Vojtech Tóth	100	1.00
26.	Matej Vaš	100	1.00
27.	Mariana Vlčeková	100	1.00
28.	Erika Voleková	100	1.00
29.	Scarlett Weinzettlová	100	1.00

30.	Dana Žišková	125	1.25
Ostatní pracovníci			
1.	Ladislav Baláži	100	1.00
2.	Peter Cagáň	100	0.87
3.	Dušan Križan	100	1.00
4.	Helena Lešťanská	100	1.00
5.	Elena Masarovičová	100	1.00
6.	Eva Pazderová	100	1.00
7.	Miroslav Pír	100	1.00
8.	Ing. Viliam Podoba	100	0.75
9.	František Špetko	100	1.00
10.	Veronika Voleková	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	**Dátum odchodu**	**Ročný prepočítaný úväzok**
Samostatní vedeckí pracovníci			
1.	RNDr. Ján Gajdoš, PhD.	22.4.2017	0.00
Vedeckí pracovníci			
1.	Ing. Zuzana Firáková, PhD.	2.11.2017	0.00
2.	RNDr. Jana Korcová, PhD.	31.10.2017	0.83
3.	RNDr. Zuzana Neščáková, PhD.	31.3.2017	0.25
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Ing. Štefan Belický, PhD.	31.8.2017	0.20
2.	Ing. Pavel Damborský, PhD.	31.3.2017	0.08
3.	Ing. Silvia Vlčková	31.5.2017	0.42
Odborní pracovníci ÚSV			
1.	Martin Gross	21.7.2017	0.08

Zoznam doktorandov

	Meno s titulmi	**Škola/fakulta**	**Študijný odbor**
Interní doktorandi hradení z prostriedkov SAV			
1.	Mgr. Zsófia Csáky	Fakulta chemickej a potravinárskej technológie STU	4.1.22 biochémia
2.	Mgr. Lucia Fraňová	Fakulta chemickej a potravinárskej technológie STU	4.1.22 biochémia
3.	Ing. Michal Halaj	Fakulta chemickej a potravinárskej technológie	4.1.19 makromolekulová

		STU	chémia
4.	Mgr. Ágnes Horváthová	Prírodovedecká fakulta UK	4.1.22 biochémia
5.	Mgr. Viera Hrivnáková	Prírodovedecká fakulta UK	4.1.16 organická chémia
6.	Mgr. Erika Chocholová	Fakulta chemickej a potravinárskej technológie STU	5.2.25 biotechnológie
7.	Mgr. Jana Jakubčinová	Prírodovedecká fakulta UK	4.1.16 organická chémia
8.	Ing. Peter Kis	Fakulta chemickej a potravinárskej technológie STU	4.1.16 organická chémia
9.	Mgr. Tomáš Klunda	Prírodovedecká fakulta UK	4.1.16 organická chémia
10.	Ing. Tomáš Krajčovič	Fakulta chemickej a potravinárskej technológie STU	5.2.25 biotechnológie
11.	Mgr. Martina Križáková	Prírodovedecká fakulta UK	5.2.25 biotechnológie
12.	Mgr. Dominika Kubalová	Prírodovedecká fakulta UK	4.1.22 biochémia
13.	Ing. Filip Květoň	Fakulta chemickej a potravinárskej technológie STU	5.2.25 biotechnológie
14.	Mgr. Maroš Laho	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
15.	Mgr. Ivana Mišová	Prírodovedecká fakulta UK	4.1.22 biochémia
16.	Ing. Lucia Pokorná	Fakulta chemickej a potravinárskej technológie STU	4.1.22 biochémia
17.	Ing. Romana Repiská	Prírodovedecká fakulta UK	4.1.22 biochémia
18.	Ing. Mária Spišáková	Fakulta chemickej a potravinárskej technológie STU	4.1.16 organická chémia
19.	Mgr. Veronika Virčíková	Prírodovedecká fakulta UK	4.1.22 biochémia
Interní doktorandi hradení z iných zdrojov			
organizácia nemá interných doktorandov hradených z iných zdrojov			
Externí doktorandi			
organizácia nemá externých doktorandov			

Zoznam zamestnancov prijatých do jedného roka od získania PhD.

	Meno s titulmi	Dátum obhajoby	Dátum prijatia	Úväzok (v %)
1.	Mgr. Elena Karnišová Potocká, PhD.	23.8.2017	24.8.2017	100
2.	Mgr. Jana Valáriková, PhD.	23.8.2016	1.6.2017	100

Zoznam emeritných vedeckých zamestnancov

organizácia nemá emeritných vedeckých zamestnancov

Príloha B

Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medziústavná dohoda

1.) Odozva O-špecifických polysacharidov a cholera *(O-Specific polysaccharide responses and cholera)*

Zodpovedný riešiteľ:	Slavomír Bystrický
Trvanie projektu:	4.10.2014 / 31.3.2019
Evidenčné číslo projektu:	5R01AI106878-02
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Massachusetts General Hospital
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	National Institute of Allergy and Infectious Diseases, NIH, USA: 2872 €

Programy: Medzivládna dohoda

2.) Analýza glykánových biomarkerov ako nástroj pre biomedicínsky výskum, sledovanie a diagnostiku nádorových ochorení *(Glycan biomarkers analysis as a tool for biomedicinal research, follow-up and diagnosis of tumor diseases)*

Zodpovedný riešiteľ:	Jaroslav Katrlík
Trvanie projektu:	1.1.2017 / 31.12.2018
Evidenčné číslo projektu:	SK-SRB-2016-0023
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Srbsko: 3
Čerpané financie:	APVV: 515 €

<u>*Dosiahnuté výsledky:*</u>
Výsledky dosiahnuté v v spolupráci so srbským partnerom (INEP, Univerzita v Belehrade) v oblasti glykozylačných zmien na glykoproteínoch ako potenciálnych biomarkeroch fyziologických procesov (membránové proteíny placenty) a ochorení (rakovina hrubého čreva) pomocou lektínového microarray boli prezentované na jednej domácej konferencii a dvoch zahraničných konferenciách.

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran - ŠUNDERIĆ, Miloš - ROBAJAC, Dragana - NEDIĆ, Olgica. Determination of protein glycosylation by lectin-based glycoprotein microarrays. In Proceedings of the 11th Central and Eastern European Proteomic Conference (CEEPC 2017), September 27-29, 2017, Košice, Slovakia. Košice: COPYVAIT, 2017, p. 99. ISBN 978-80-972017-5-3. (AFH)

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter - ŠESTÁK, Sergej - MUCHA, Ján. Application of lectin-based protein microarray in glyco-biomarker analysis of congenital disorder of glycosylation. In Program and Abstract Book: GLYCO 24: 24th International Symposium on Glycoconjugates, August 27-September 1, 2017, Jeju, South Korea. In Glycoconjugate Journal, 2017, vol. 34, Issue 1 (Suppl), p. 93-94. ISSN 0282-0080. (AFG)

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján - NEDIĆ, Olgica. Application of lectin-based protein microarray in glyco-biomarker research. In Conference "Validation of biomarkers": Bridging the innovation gap through integrated technologies, October 6, 2017, Rotterdam, The Netherlands. Poster. (AFK)

3.) Produkcia biosurfaktantov mikroorganizmami z oblakov: Dopad na mikrofyziku oblakov a biotechnológiu *(Production of biosurfactants by cloud microorganisms: Impact on cloud microphysics and application in biotechnology)*

Zodpovedný riešiteľ:	Mária Matulová
Trvanie projektu:	4.1.2016 / 29.12.2017
Evidenčné číslo projektu:	SK-FR-2015-0020
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Francúzsko: 3
Čerpané financie:	APVV: 2650 €

Dosiahnuté výsledky:
Kultiváciou 2 mikrobiálnych kmeňov izolovaných z oblakov, Xanthomonas campestris (32b52) a Pseudomonas syringae (32b74), francúzsky tím izoloval a purifikoval nové biosurfaktanty. Ich štruktúry boli identifikované pomocou LC-MS a NMR ako syringafaktíny (lineárne lipopeptidy). V súčasnosti prebieha modelovanie a NMR štúdium 3D štruktúry komerčného ramnolipidu s cieľom identifikácie štruktúry tohto glykopeptidu na rozhraní voda-vzduch. Predovšetkým kmene Pseudomonas, ktoré sú najrozšírenejším bakteriálnym rodom v oblakoch, sú známe tým, že produkujú ramnolipidy.

DELORT, Anne Marie - VAITILINGOM, Mickael - JOLY, Muriel - AMATO, Pierre - WIRGOT, Nolwenn - LALLEMENT, Audrey - SANCELME, Martine - MATULOVÁ, Mária - DEGUILLAUME, Laurent. Clouds: A transient and stressing habitat for microorganisms. In Chénard, Caroline - Lauro, Federico M. (eds.). Microbial Ecology of Extreme Environments. - Cham, Switzerland : Springer International Publishing AG, 2017, p. 215-245. ISBN 978-3-319-51684-4.

Programy: COST

4.) Európsky systém na podporu výskumu a aplikácií karotenoidov v potravinárstve a zdravotníctve *(European network to advance carotenoid research and applications in agro-food and health (EUROCAROTEN))*

Zodpovedný riešiteľ:	Emília Breierová
Trvanie projektu:	18.4.2016 / 17.4.2020
Evidenčné číslo projektu:	CMST COST Action CA15136
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Dr. Antonio J. Melendez-Martinez, Universidad de Sevilla, Sevilla
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0 Podpora medzinárodnej spolupráce z národných zdrojov: 3150 €

Dosiahnuté výsledky:
Bol študovaný vplyv kovu v prítomnosti oxidačného stresu u troch kmeňov karotenogénnych kvasiniek druhu *Rhodosporidium kratochvilovae*, *Rhodotorula glutinis* a *Sporidiobolus salmonicolor*. Vo všeobecnosti sa produkcia beta-karoténu zvýšila u všetkých kvasinkových kmeňov v prítomnosti kovu v porovnaní s kontrolnými podmienkami. Kombinácia oxidačného stresu a kovu signifikantne aktivovala dráhy produkcie torularhodinu u kmeňa *R. glutinis* a beta-karoténu a torulénu u kmeňov *Sp. salmonicolor* a *Rh. kratochvilovae* . Zistilo sa tiež, že v prítomnosti oxidačného stresu dochádza k zníženiu schopnosti kvasiniek tolerovať vyššie koncentrácie kovov.

5.) Európska sústava vakcínových adjuvansov *(European Network of Vaccine Adjuvants)*

Zodpovedný riešiteľ:	Pavol Farkaš
Trvanie projektu:	13.11.2017 / 12.11.2021
Evidenčné číslo projektu:	CA COST Action CA16231
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Dr. Maria Lawrenz, Vaccine Formulation Institute, Godalming, UK
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0

Dosiahnuté výsledky:
Vybavovanie agendy - riešenie projektu začalo až v novembri 2017.

6.) CliniMARK: 'Dobré biomarkerové praktiky' pre zvýšenie počtu klinicky validovaných biomarkerov *(CliniMARK: 'good biomarker practice' to increase the number of clinically validated biomarkers)*

Zodpovedný riešiteľ:	Jaroslav Katrlík
Trvanie projektu:	14.3.2017 / 13.3.2021
Evidenčné číslo projektu:	CA COST Action CA16113
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Erasmus University Medical Center
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0 Podpora medzinárodnej spolupráce z národných zdrojov: 2625 €

Dosiahnuté výsledky:
Na začiatku riešenia projektu boli sformované pracovné skupiny, ktoré si vypracovali pracovné programy. CHÚ SAV sa aktívne zapojil do programu v oblasti sledovania glyko-biomarkerov. Dosiahnuté výsledky boli prezentované na jednej domácej medzinárodnej konferencii a dvoch zahraničných medzinárodných konferenciách.

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran - ŠUNDERIĆ, Miloš - ROBAJAC, Dragana - NEDIĆ, Olgica. Determination of protein glycosylation by lectin-based glycoprotein microarrays. In Proceedings of the 11th Central and Eastern European Proteomic Conference (CEEPC 2017), September 27-29, 2017, Košice, Slovakia. Košice: COPYVAIT, 2017, p. 99. ISBN 978-80-972017-5-3. (AFH)

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter - ŠESTÁK, Sergej - MUCHA, Ján. Application of lectin-based protein microarray in glyco-biomarker analysis of congenital disorder of glycosylation. In Program and Abstract Book: GLYCO 24: 24th International Symposium on Glycoconjugates, August 27-September 1, 2017, Jeju, South Korea. In Glycoconjugate Journal, 2017, vol. 34, Issue 1 (Suppl), p. 93-94. ISSN 0282-0080. (AFG)

KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján - NEDIĆ, Olgica. Application of lectin-based protein microarray in glyco-biomarker research. In Conference "Validation of biomarkers": Bridging the innovation gap through integrated technologies, October 6, 2017, Rotterdam, The Netherlands. Poster. (AFK)

7.) Zhodnotenie vedľajších prúdov spracovania lignocelulózovej biomasy pre udržateľnú produkciu chemikálií, materiálov a palív pomocou technológií s nízkym dopadom na životné prostredie *(Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials & fuels using low environmental impact technologies)*

Zodpovedný riešiteľ:	Vladimír Mastihuba
Trvanie projektu:	15.5.2014 / 14.5.2018
Evidenčné číslo projektu:	FPS COST Action FP1306
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prof. Rafael Luque, Departamento de Quimica Organica, Universidad de Cordoba, Cordoba
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	EC Brussels: 729 € Podpora medzinárodnej spolupráce z národných zdrojov: 3150 €

Dosiahnuté výsledky:
Apiozidáza je auxiliárna hydroláza s potenciálom využitia v enzýmovej degradácii fytomasy. Štúdiom reakčného mechanizmu tohto enzýmu pomocou NMR techník sme zistili, že ide o invertujúcu glykozidázu. V marci 2017 sa v Torremolinos, Španielsko konal štvrtý MC meeting a tretí workshop FPS COST Action FP1306. Na tomto podujatí bol nadviazaný kontakt s Prof. Eulogiom Castrom z Univerzity v Jaén (Španielsko) s prísľubom spolupráce v oblasti enzymatických transformácií tyrozolu a hydroxytyrozolu (produktov z biorafinérií napojených na priemysel pestovania a spracovania olív). Prezentované boli tri posterové príspevky.

MASTIHUBOVÁ, Mária - CHYBA, Andrej - MASTIHUBA, Vladimír. Enzymatic hydroxycinnamoylations of phenylethanoid glycosides. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 74, P15. (AFG)

MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Efficient synthesis of hamamelitannin from D-ribose. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 60, P2. (AFG)

KARNIŠOVÁ POTOCKÁ, Elena - KIS, Peter - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Screening of β-D-apiosidases as potential auxiliary enzymes for biomass degradation. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 73, P14. (AFG)

8.) Náročné organické syntézy inšpirované prírodou – od chémie prírodných produktov k objavu liečiv *(Challenging organic syntheses inspired by nature – from natural products chemistry to drug discovery)*

Zodpovedný riešiteľ:	Mária Mastihubová
Trvanie projektu:	16.3.2015 / 15.3.2019
Evidenčné číslo projektu:	CMST COST Action CM1407
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prof. Bruno Botta, Universita degli Studi di Roma La Sapienza, Dipartimento di Chimica e Tecnologie del Farmaco, Rome
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	EC Brussels: 2396 € Podpora medzinárodnej spolupráce z národných zdrojov: 3150 €

Dosiahnuté výsledky:
V septembri 2017 sa uskutočnil 4th Meeting of COST Action CM1407, ktorému predchádzala 2nd Training School s témou syntézy, izolácie a štruktúrnej charakterizácie bioaktívnych zlúčenín. V rámci riešenia projektu bolo poskytnutých na biologické testovanie 10 vzoriek fenyletanoidných glykozidov. Výsledky syntézy apioglukozidov kombináciou metód organickej syntézy a enzýmových reakcií boli prezentované v dvoch príspevkoch.

KIS, Peter - MASTIHUBOVÁ, Mária. Chemoenzymatic tactics towards the synthesis of phenylethanoid apioglucosides. In Abstracts: COST Action CM1407 2nd Training School, September 18-20, 2017, Lisbon U. Lusofona's, Portugal. In Biomedical and Biopharmaceutical Research, 2017, vol. 14, Suppl. 2, p. 264, P21. (AFG).

KIS, Peter - MASTIHUBOVÁ, Mária. Chemoenzymatic tactics towards the synthesis of phenylethanoid apioglucosides. In Abstracts: COST Action CM1407 4th Meeting, September 21-22, 2017, Lisbon U. Lusofona's, Portugal. In Biomedical and Biopharmaceutical Research, 2017, vol. 14, Suppl. 2, p. 284, P19. (AFG).

9.) Systémy biokatalýzy *(Systems biocatalysis)*

Zodpovedný riešiteľ:	Jozef Nahálka
Trvanie projektu:	20.11.2013 / 19.11.2017
Evidenčné číslo projektu:	CMST COST Action CM1303
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prof. Stefano Servi, The Protein Factory, Milano
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0 Podpora medzinárodnej spolupráce z národných zdrojov: 2888 €

Dosiahnuté výsledky:
V rámci Working Group 3 pokračovala spolupráca s Prof. Fessnerom (Technische Universität Darmstadt, Nemecko) na sialylácii glykoproteínov. Bioenergetický modul pre syntézu CTP bol pripojený k produkcii kyseliny CMP-sialovej. Získané výsledky sú predmetom publikácie v štádiu prípravy.

Programy: 7RP

10.) Nanoštruktúrové hybridné organicko-anorganické solárne články *(Nanostructured hybrid organic-inorganic solar cells)*

Zodpovedný riešiteľ:	Júlia Mičová
Trvanie projektu:	1.9.2016 / 31.8.2018
Evidenčné číslo projektu:	KONNECT 007
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	2 - Česko: 1, Kórejská republika: 1
Čerpané financie:	0 Podpora medzinárodnej spolupráce z národných zdrojov: 25000 €

Dosiahnuté výsledky:
Na stretnutí partnerov projektu v dňoch 20.-29. augusta 2017 na Konkuk University, Seoul sa prezentovali dosiahnuté výsledky v súvislosti s prípravou a opto-elektrickou charakterizáciou anorganickej časti hybridných solárnych článkov (v spolupráci s Fyzikálním ústavem Akademie věd ČR). Predstavená bola optimalizovaná metóda hydrotermálneho rastu nanoštrukturovaného oxidu zinočnatého. Kórejský partner poskytol vzorky tenkých vrstiev organických polymérov na ďalšiu povrchovú úpravu, špecifikáciu a charakterizáciu. Taktiež sa diskutovali podklady k pripravovanej spoločnej publikácii. V súčasnosti pokračujú práce na povrchovej modifikácii anorganických nanočastíc rôznymi opticko-elektricky aktívnymi konjugovanými polymérmi tiofénu, vo forme tenkých vrstiev a na ich následnej diagnostike.

MIČOVÁ, Júlia - REMEŠ, Zdeněk - CHANG, Yu-Ying. Production of zinc oxide nanowires power with precisely defined morphology. In Journal of Electrical Engineering, 2017, vol. 68, p. 66-69. (0.483 - IF2016). (kvartil 2016: SJR - Q2; JCR - Q4). (2016 - WOS, Scopus). ISSN 1335-3632. (ADNA)

MIČOVÁ, Júlia - ŠTENCLOVÁ, Pavla - REMEŠ, Zdeněk. Surface modification of zinc oxide nanowires with polymer P3DDT. In E-MRS 2017 Spring Meeting, Symposium R, May 22-26, 2017, Strasbourg, France. Strasbourg: European Materials Research Society, 2017, p. R P1.28. (AFG)

MIČOVÁ, Júlia - BURYI, Maksym - ŠIMEK, Daniel - NEYKOVA, Neda - CHANG, Yu-Ying - REMEŠ, Zdeněk. Synthesis, optical properties and crystal quality of different zinc oxide nanostructures. In Extended Abstract Book: Progress in Applied Surface, Interface and Thin Film Science 2017 (SURFINT–SREN V), November 20-23, 2017, Florence, Italy. Bratislava: Comenius University, 2017, p. 92-93. ISBN 978-80-223-4411-1. (AFG)

STUCHLÍK, Jiří - REMEŠ, Zdeněk - STUCHLÍKOVÁ, The Ha - MIČOVÁ, Júlia. The preparation and functionalization of hybrid nanoparticles. In Program Book: ICANS 27: The 27th International Conference on Amorphous and Nanocrystalline Semiconductors, 21-25 August 2017, Seoul, Korea. Seoul: The Korean Information Display Society, 2017, p. 68, P2-5. (AFG)

11.) Elektrochemické lektínové a glykánové biočipy integrované s nanoštruktúrami
(Electrochemical LEctin and glycan biochips integrated with NAnostructures)

Zodpovedný riešiteľ:	Ján Tkáč
Trvanie projektu:	1.1.2013 / 31.12.2017
Evidenčné číslo projektu:	FP7-311532
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	EC Brussels: 127961 € Podpora medzinárodnej spolupráce z národných zdrojov: 15873 €

Dosiahnuté výsledky:
Podarilo sa pripraviť viaceré veľmi citlivé elektrochemické biosenzory či už na stanovenie autoprotilátok (glykánové biosenzory) alebo na stanovenie prostatického špecifického antigénu s využitím lektínov a imunosenzorov. Dosiahnuté výsledky boli prezentované na domácich a medzinárodných konferenciách a vo forme publikácií. Progres v predmetej vedeckej oblasti bol zosumarizovaný v dvoch prehľadových článkoch a v jednej monografii.

BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - FILIP, Jaroslav - HOLAZOVA, Alena - BELICKÝ Štefan - KASÁK, Peter - TKÁČ, Ján. Nanobiotechnológie alebo Od lepiacej pásky k medicínskym aplikáciám. Bratislava: VEDA, 2017, 172 strán. ISBN 978-80-224-1580-4. (AAB)

BELICKÝ, Štefan - ČERNOCKÁ, Hana - BERTÓK, Tomáš - HOLAZOVÁ, Alena - RÉBLOVÁ, Kamila - PALEČEK, Emil - TKÁČ, Ján - OSTATNÁ, Veronika. Label-free chronopotentiometric glycoprofiling of prostate specific antigen using sialic acid recognizing lectins. In Bioelectrochemistry, 2017, vol. 117, p. 89-94. (3.346 - IF2016). (kvartil 2016: SJR - Q2; JCR - Q2/Q1). (2017 - Current Contents). ISSN 1567-5394. (ADCA)

BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRÍGUEZ, Julia - O'KENNEDY, Richard - TKÁČ, Ján. Full-length antibodies versus single chain antibody fragments for a selective impedimetric lectin-based glycoprofiling of prostate specific antigen. In Electrochimica Acta, 2017, vol. 246, p. 399-405. (4.798 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current

Contents). ISSN 0013-4686. (ADCA)

DAMBORSKÁ, Dominika - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - LORENCOVÁ, Lenka - KASÁK, Peter - TKÁČ, Ján. Nanomaterial-based biosensors for detection of prostate specific antigen. In Microchimica Acta, 2017, vol. 184, p. 3049-3067. (4.580 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0026-3672. (ADCA)

DOŠEKOVÁ, Erika - FILIP, Jaroslav - BERTÓK, Tomáš - BOTH, Peter - KASÁK, Peter - TKÁČ, Ján. Nanotechnology in glycomics. Applications in diagnostics, therapy, imaging and separation processes. In Medicinal Research Reviews, 2017, vol. 37, p. 514-626. (8.763 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0198-6325. (ADCA)

KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. Optimization of the small glycan presentation for binding a tumor-associated antibody: Application to the construction of an ultrasensitive glycan biosensor. In Langmuir, 2017, vol. 33, p. 2709-2716. (3.833 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q2/Q1). (2017 - Current Contents). ISSN 0743-7463. (ADCA)

LORENCOVÁ, Lenka - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - PAPRČKOVÁ, Darina - VIKARTOVSKÁ, Alica - SASINKOVÁ, Vlasta - FILIP, Jaroslav - KASÁK, Peter - JERIGOVÁ, Monika - VELIČ, Dusan - MAHMOUD, Khaled A. - TKÁČ, Ján. Electrochemical performance of Ti3C2Tx MXene in aqueous media: towards ultrasensitive H2O2 sensing. In Electrochimica Acta, 2017, vol. 235, p. 471-479. (4.798 - IF2016). (kvartil 2016: SJR - Q1; JCR - Q1). (2017 - Current Contents). ISSN 0013-4686. (ADCA)

BELICKÝ, Štefan - PIHÍKOVÁ, Dominika - PAKANOVÁ, Zuzana - MUCHA, Ján - TKÁČ, Ján. Electrochemical lectin biosensor: A perspective approach to prostate cancer diagnostics. In Program and Book of Abstracts: BIOSENSOR 2017: 1st European & 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany. Potsdam: University of Potsdam, 2017, p. 57, O4. (AFG)

CHOCHOLOVÁ (DOŠEKOVÁ), Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Analysis of human IgG samples with an impedimetric lectin biosensor in an array format. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 285, FL30-P317. (AFG)

KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. An ultrasensitive glycan biosensor based on the Tn antigen for binding of a tumor-associated antibody 2C4. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 600, P329. (AFG)

LORENCOVÁ, Lenka - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Ultrasensitive H2O2 sensing by Ti3C2Tx MXene modified glassy carbon electrode. In TRNKOVÁ, Libuše (ed.). Book of Abstracts: XVII. Workshop of Physical Chemists and Electrochemists, 30-31 May 2017, Brno, Czech Republic. Brno: Masaryk University, 2017, p. 19-20. ISBN 978-80-210-8580-0. (AFG)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan. Nanoscale controlled architecture of biosensors for glycan recognition applied in diagnostics. In Program and Book of Abstracts: BIOSENSOR 2017: 1st European & 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany. Potsdam: University of Potsdam, 2017, p. 112, O60. (AFG)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Electrochemical biosensors based on glycan analysis applicable in diagnostics of various diseases including cancer. In Delegate Programme Booklet: 5th International Conference on Bio-Sensing Technology, 7-10 May 2017, Riva del Garda, Italy. Amsterdam: Elsevier, 2017, p. [O04]. (AFG)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Ultrasensitive analysis using electrochemical lectin and glycan biosensors applied in diagnostics. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 736, P488. (AFG)

TKÁČ, Ján - HUSHEGYI, András - KVĚTOŇ, Filip - BERTÓK, Tomáš. Ultrasensitive electrochemical glycan biosensors. In NAVRÁTIL, Tomáš - FOJTA, Miroslav - SCHWARZOVÁ, Katarína (eds.). Sborník přednášek mezinárodní odborné konference: XXXVII. Moderní elektrochemické metody, 15.-19. květen 2017, Jetřichovice, Česká republika. Ústí nad Labem: Srsenová Lenka - Best servis Ústí nad Labem, 2017, p. 220-224. ISBN 978-80-905221-5-2. (AFC)

BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - LORENCOVÁ, Lenka - HOLAZOVÁ, Alena - DAMBORSKÁ, Dominika - HUSHEGYI, András - KASÁK, Peter - TKÁČ, Ján. Low cost, disposable, nanostructured interfaces for glycomic studies and medical diagnostics. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 33, IL5. ISBN 978-80-971156-3-0. ISSN 1339-7036. (AFF)

BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - TKÁČ, Ján - KASÁK, Peter. Preparation of nanostructured interfaces and their use in biorecognition. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 30, P1. ISBN 978-80-8147-081-3. (AFH)

CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. New impedimetric lectin biosensor in array format for analysis of human IgG samples isolated from patients suffering from rheumatoid arthritis. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 68, FP8. ISBN 978-80-971156-3-0. ISSN 1339-7036. (AFH)

CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Toward detection of rheumatoid arthritis by analyzing of human IgG's glycans with an impedimetric lectin biosensor in an array format. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 28, O3. ISBN 978-80-8147-081-3. (AFH)

JÁNÉ, Eduard - VELIČ, Dušan - TKÁČ, Ján - KASÁK, Peter. EIS study of multilayer films: analytical and numerical simulations. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 32, P3. ISBN 978-80-8147-081-3. (AFH)

KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. Detection of a tumor-associated antibody 2C4 by a glycan biosensor based on the Tn antigen. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 65, FP5. ISBN 978-80-971156-3-0. ISSN 1339-7036. (AFH)

KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. Tn antigen ako biosenzor na diagnostiku tumor asociovanej protilátky GOD3-2C4. In Zborník príspevkov a program: Drobnicov memoriál 9. ročník, Danišovce, 12.-14. september 2017. Bratislava: Ústav molekulárnej fyziológie a genetiky Centra biovied SAV, 2017, s. 45. ISBN 978-80-972752-0-4. (AFH)

KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. The Tn antigen as a part of glycan based biosensor for detection of tumorassociated antibody GOD3-2C4. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 29, O4. ISBN 978-80-8147-081-3. (AFH)

LORENCOVÁ, Lenka - BERTÓK, Tomáš - DOŠEKOVÁ, Erika - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Novel perspective nanomaterials in sensing applications. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 31, P2. ISBN 978-80-8147-081-3. (AFH)

TKÁČ, Ján - BERTÓK, Tomáš - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip - KASÁK, Peter. Application of biosensors in glycoprofiling of cancer biomarkers. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 47, OP9. ISBN 978-80-971156-3-0. ISSN 1339-7036. (AFH)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HOLAZOVÁ, Alena - BELLA, Vladimír. Možnosti využitia analýzy glykoproteínov v diagnostike rakoviny prsníka. In 22. medzinárodná pracovná konferencia SEKCAMA, 18.-19. máj 2017, Bratislava, Slovensko. Bratislava: SEKCAMA, Slovenská onkologická spoločnosť, 2017, s. 5. (AFH)

TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - DOŠEKOVÁ, Erika - KVĚTOŇ, Filip. Construction of ultrasensitive impedimetric biosensors with controlled architecture at nanoscale: Application in glycomics and diagnostics. In Book of Abstracts: Workshop of the Slovak Academy of Sciences with the National University of Singapore, the Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), March 13-17, 2017, Smolenice Castle, Slovakia. Bratislava: Slovak Academy od Sciences, 2017, p. 29. (AFH)

TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - BELICKÁ, Ľudmila - HOLAZOVÁ, Alena - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip - KASÁK, Peter. Nanomaterials employed for electrochemical sensing, biosensing and energy applications. In STRAKOVÁ FEDORKOVÁ, Andrea - PETRUŠ, Ondrej (eds.). Book of Abstracts: The 3rd International Conference on Nanomaterials: Fundamentals and Applications, October 9-11, 2017, Štrbské Pleso, High Tatras,

Slovakia. Košice: NFA 2017, 2017, p. 54. ISBN 978-80-8152-530-8. (AFH)

TKÁČ, Ján - DAMBORSKÁ, Dominika - KUBÁNIKOVÁ, Petra - SOKOL, Roman. Využitie analýzy glykánov v diagnostike rakoviny prostaty. In Abstrakty: 24. výročná konferencia Slovenskej urologickej spoločnosti SLS a konferencia sestier pracujúcich v urológii pri SLS, 7.-9. jún 2017, Trenčianske Teplice, Slovensko. In Klinická urológia, 2017, roč. 13, č. 2, s. 92. ISSN 1336-7579. (AFH)

Programy: Horizont 2020

12.) Umožnenie využitia celého potenciálu Instruct na konsolidáciu a rozšírenie infraštruktúry potrebnej pre výskum v oblasti vied o živote *(Releasing the full potential of Instruct to expand and consolidate infrastructure services for integrated structural life science research)*

Zodpovedný riešiteľ:	Miloš Hricovíni
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	Grant agreement No 731005
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Instruct Academic Services Limited, Oxford, UK
Počet spoluriešiteľských inštitúcií:	16 - Belgicko: 1, Česko: 1, Nemecko: 1, Dánsko: 1, Španielsko: 1, Fínsko: 1, Francúzsko: 1, Veľká Británia: 2, Grécko: 1, Izrael: 1, Taliansko: 1, Holandsko: 1, Portugalsko: 1, Slovensko: 1, Švédsko: 1
Čerpané financie:	EC Brussels: 48330 € Podpora medzinárodnej spolupráce z národných zdrojov: 3150 €

Dosiahnuté výsledky:
Projekt INSTRUCT-ULTRA, riešený v rámci programu H2020-INFRADEV (CSA) je určený na využitie infraštruktúry potrebnej pre výskum v oblasti vied o živote a podporu spolupráce v rámci krajín zapojených v Instruct-ERIC. V prvom roku riešenia projektu sa činnosť zamerala hlavne na organizovanie spoločného seminára výskumníkov na Slovensku, ktorí sa zooberajú štruktúrnou biológiou. Na seminári, ktorý sa konal v Bratislave sa zúčastnilo vyše 30 výskumníkov z viacerých ústavov SAV, FCHPT STU a UPJŠ. Okrem informácií o projekte INSTRUCT-ULTRA a INSTRUCT-ERIC odznelo 13 prednášok, zameraných hlavne na štruktúru bielkovín študovaných metódami RŠA, molekulovú dynamiku, ako aj štruktúru sacharidov a iných biomolekúl analyzovaných NMR spektroskopiou. Okrem toho sa 12 pracovníkov zo SAV a STU zúčastnilo konferencie Instruct Biennial Structural Biology Meeting v Brne (ČR) 24.–26. máj 2017, na ktorom prezentovali svoje výsledky. Samotný projekt, jeho organizácia a financovanie bolo predmetom workshopu v Bruseli 22.–23. februára 2017. Zo seminára v Bratislave bol vydaný zborník abstraktov.

HRICOVÍNI, Miloš (ed.). INSTRUCT ULTRA Structural Biology Meeting, 18. október 2017, Bratislava. Bratislava: Institute of Chemistry SAS, 2017. ISBN 978-80-971156-5-4. (FAI)

Programy: JRP

13.) Mikroelektroforetické nástroje pre bioanalýzu *(Microelectrophoretic tools for bioanalysis)*

Zodpovedný riešiteľ:	Vladimír Pätoprstý

Trvanie projektu:	1.10.2017 / 30.9.2020
Evidenčné číslo projektu:	nemá
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Seoul National University
Počet spoluriešiteľských inštitúcií:	11 - Česko: 3, Maďarsko: 2, Kórejská republika: 2, Poľsko: 2, Slovensko: 2
Čerpané financie:	- Podpora medzinárodnej spolupráce z národných zdrojov: 6250 €

Dosiahnuté výsledky:
Úvodné tri mesiace riešenia projektu boli zamerané na využitie kapilárnej zónovej elektroforézy v analýze endogénnych zlúčenín v ľudskom biologickom materiáli. Bola navrhnutá separácia derivatizovaného tetrasacharidu Glcα1-6Glcα1-4Glcα1-4Glc pre diagnostiku Pompeho choroby z moču. 5.- 9. novembra 2017 bolo prvé formálne stretnutie riešiteľov projektu s programom koordinácie spoločného postupu pri výskume. Pripravuje sa spoločná publikácia v oblasti miniaturizácie nástrojov analytickej chémie.

Projekty národných agentúr

Programy: VEGA

1.) Štúdium stability potenciálnych inhibítorov ľudských glykozyltransferáz *(Investigation of the stability of potential inhibitors of human glycosyltransferases)*

Zodpovedný riešiteľ:	Marek Baráth
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	2/0024/16
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 22925 €

2.) Vývoj nových imobilizovaných biokatalyzátorov s využitím rekombinantných mikroorganizmov pre biokatalytické kaskádové reakcie *(Development of novel immobilized biocatalysts utilizing recombinant microorganisms for biocatalytic cascade reactions)*

Zodpovedný riešiteľ:	Marek Bučko
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	2/0090/16
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	SAV (VEGA): 14814 €

3.) Biopolyméry mikrorias, produkcia, štrukturálna diverzita a vlastnosti *(Biopolymers of microalgae, production, structural diversity and properties)*

Zodpovedný riešiteľ:	Peter Capek
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0018/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 6703 €

4.) Identifikácia a charakterizácia izolátov V. cholerae z vodných tokov, štrkovísk a termálnych vôd na území Slovenska *(Identification and characterization of V. cholerae isolates from rivers, dams and thermal waters in Slovakia)*

Zodpovedný riešiteľ:	Pavol Farkaš
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	2/0093/17
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 9854 €

5.) Štúdium protektívneho potenciálu syntetizovaných fenyletanoidných glykozidov v systémoch cicavčích buniek a plazmidovej DNA *(Study of protective potential of synthesized phenylethanoid glycosides in the systems of mammalian cells and plasmid DNA)*

Zodpovedný riešiteľ:	Eva Horváthová
Zodpovedný riešiteľ v organizácii SAV:	Mária Mastihubová
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	2/0084/16
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Biomedicínske centrum SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 2888 €

6.) Štúdium štruktúry a vlastností biologicky aktívnych sacharidov metódami NMR spektroskopie a teoretickej chémie *(Study of structure and properties of biologically active saccharides using methods of NMR spectroscopy and theoretical chemistry)*

Zodpovedný riešiteľ:	Miloš Hricovíni
Trvanie projektu:	1.1.2014 / 31.12.2017

Evidenčné číslo projektu:	2/0100/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	SAV (VEGA): 5832 €

7.) Funkčné sacharidy z rastlinných odpadov ako potenciálny doplnok stravy: extrakcia, charakterizácia a terapeutické využitie *(Functional carbohydrates from plant waste as a potential food supplement: extraction, characterization and therapeutic potentials)*

Zodpovedný riešiteľ:	Zdenka Hromádková
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	2/0092/17
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 6133 €

8.) Vývoj lektínových, proteínových a glykánových biočipov s využitím moderných technológií a nanotechnológií pre aplikácie v biológii, biomedicíne a pre detekciu biomarkerov *(Development of lectin, protein and glycan biochips using modern technologies and nanotechnologies for applications in biology, biomedicine and for biomarkers detection)*

Zodpovedný riešiteľ:	Jaroslav Katrlík
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0162/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	SAV (VEGA): 19171 €

9.) Výskum antimikrobiálneho potenciálu včelej larválnej kašičky voči patogénom včelieho plodu *(Investigation of honeybee larval jelly antimicrobial potential to bee brood pathogens)*

Zodpovedný riešiteľ:	Jaroslav Klaudiny
Trvanie projektu:	1.1.2015 / 31.12.2018
Evidenčné číslo projektu:	2/0175/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 6710 €

10.) Signalizácia galaktoglukomanánových oligosacharidov v procesoch rastu rastlín a ich ochranný potenciál voči toxickým kovom *(Galactoglucomannan oligosaccharides signaling in plant growth processes and their protective potential against toxic metals)*

Zodpovedný riešiteľ:	Desana Lišková
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0083/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	SAV (VEGA): 10432 €

11.) Antibakteriálne a imunomodulačné vlastnosti včelieho peptidu defenzínu-1 v procese hojenia chronických rán *(Antibacterial and immunomodulatory properties of bee defensin-1 in chronic wound healing process)*

Zodpovedný riešiteľ:	Juraj Majtán
Zodpovedný riešiteľ v organizácii SAV:	Jaroslav Klaudiny
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0007/14
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav zoológie SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0

12.) Syntetický potenciál marginálnych glykozidáz *(Synthetic potential of marginal glycosidases)*

Zodpovedný riešiteľ:	Vladimír Mastihuba
Trvanie projektu:	1.1.2016 / 31.12.2018
Evidenčné číslo projektu:	2/0157/16
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 6033 €

13.) Enzymatická produkcia ekonomicky významných oligosacharidov a opiátov *(Enzymatic production of economically valuable oligosaccharides and opiates)*

Zodpovedný riešiteľ:	Jozef Nahálka
Trvanie projektu:	1.1.2017 / 31.12.2020

Evidenčné číslo projektu:	2/0058/17
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 4692 €

14.) Imunobiologická efektívnosť nových syntetických imunogénov mimikujúcich fungálne molekulové vzory patogénnosti v perspektívnom dizajne subjednotkovej antifungálnej vakcinačnej formuly *(Immunological effectivity of new synthetic immunogens mimicking fungal pathogen associated molecular patterns in prospective design of subcellular anti-fungal vaccine formulae)*

Zodpovedný riešiteľ:	Ema Paulovičová
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	2/0098/17
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 9057 €

15.) Štrukturálny dizajn, syntéza a evaluácia selektívnych inhibítorov glykozidhydroláz z rodiny GH38 *(Structural design, synthesis and evaluation of selective inhibitors of glycoside hydrolases from the family 38)*

Zodpovedný riešiteľ:	Monika Poláková
Trvanie projektu:	1.1.2015 / 31.12.2018
Evidenčné číslo projektu:	2/0064/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 10558 €

16.) Mikrobiálne enzýmy pre využitie rastlinných hemicelulóz *(Microbial enzymes for plant hemicellulose utilization)*

Zodpovedný riešiteľ:	Vladimír Puchart
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0037/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0

Čerpané financie:	SAV (VEGA): 6335 €

17.) Redoxná homeostáza, proteostáza a zápal ako potenciálne ciele pre ovplyvnenie starnutia a s ním spojených ochorení: Modulácia pomocou látok prírodného a syntetického pôvodu *(Redox homeostasis, proteostasis and inflammation as potential targets for influencing ageing and age-related diseases: Modulation by the compounds of natural and synthetic origin)*

Zodpovedný riešiteľ:	Lucia Račková
Zodpovedný riešiteľ v organizácii SAV:	Ján Mucha
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	2/0041/17
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav experimentálnej farmakológie a toxikológie SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0

18.) Multi-škálové modelovanie interakcií atómov prechodných kovov a heterocyklických a cukrom-podobných látok *(Multi-scale modelling of transition metal interactions with heterocyclic and sugar-like compounds)*

Zodpovedný riešiteľ:	Vladimír Sládek
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	2/0035/16
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	SAV (VEGA): 1341 €

19.) Štruktúra, funkcia a mechanizmus účinku rastlinných a fungálnych transglykozyláz *(Structure, function and mechanism of action of plant and fungal transglycosylases)*

Zodpovedný riešiteľ:	Eva Stratilová
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	2/0058/16
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 7177 €

20.) Diverzita, vlastnosti a aktivity pôdnych kvasiniek *(The diversity, properties and activities of soil yeasts)*

Zodpovedný riešiteľ:	Renáta Vadkertiová
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0023/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 8982 €

21.) Štruktúrne a funkčné adaptácie vybraných extremofilov a poľnohospodárskych plodín na abiotické stresory *(Structural and functional adaptations of selected extremophiles and agricultural crops to abiotic stressors)*

Zodpovedný riešiteľ:	Zuzana Vatehová
Trvanie projektu:	1.1.2017 / 31.12.2020
Evidenčné číslo projektu:	1/0605/17
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prírodovedecká fakulta UK
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV (VEGA): 911 €

Programy: APVV

23.) Štúdium regulácie radikálovej a bunkovej signalizácie v hypertenzii a vplyv nových terapií na túto signalizáciu *(Study of regulation of radical and cellular signaling during hypertension and influence of novel therapies on this signaling)*

Zodpovedný riešiteľ:	Miroslav Barančík
Zodpovedný riešiteľ v organizácii SAV:	Jozef Nahálka
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0348-12
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav pre výskum srdca SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 3800 €

24.) Imobilizované rekombinantné mikroorganizmy pre biotechnologickú produkciu chemických špecialít pomocou biokatalytických kaskádových reakcií *(Immobilized recombinant microorganisms forthe biotechnological production of chemical specialties using biocatalytic cascade reactions)*

Zodpovedný riešiteľ:	Marek Bučko

Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0227
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	APVV: 25050 €

25.) Nové názory na farmakologické ovplyvnenie alergickej astmy *(New opinions on pharmacological modulation of allergic asthma)*

Zodpovedný riešiteľ:	Peter Capek
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0305-12
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Jesseniova lekárska fakulta UK v Martine
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 9200 €

26.) Biočipy a biosenzory pre glykorozpoznávanie, ich vývoj, príprava a využitie pri výskume rakoviny *(Biochips and biosensors for glycorecognition, their development, preparation and application in cancer research)*

Zodpovedný riešiteľ:	Jaroslav Katrlík
Trvanie projektu:	1.7.2015 / 30.6.2019
Evidenčné číslo projektu:	APVV-14-0753
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	APVV: 42661 €

27.) Syntetická biológia pre produkciu nových biologicky aktívnych látok u streptomycét *(Synthetic biology for the production of new biologically active compounds in streptomycetes)*

Zodpovedný riešiteľ:	Ján Kormanec
Zodpovedný riešiteľ v organizácii SAV:	Mária Matulová
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0410
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav molekulárnej biológie SAV
Počet spoluriešiteľských inštitúcií:	0

Čerpané financie: APVV: 12174 €

28.) Posttranslačné modifikácie v mitochondriách a ich úloha v patologických procesoch *(Post-translation modifications in mitochondria and their role in pathological processes)*

Zodpovedný riešiteľ:	Eva Kutejová
Zodpovedný riešiteľ v organizácii SAV:	Ján Mucha
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0375
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav molekulárnej biológie SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 21000 €

29.) Príprava modelovej subcelulárnej vakcíny z manooligomérnych štruktúr kvasinky Candida albicans *(Preparation of model subcellular vaccine from mannooligomer structures of Candida albicans yeast)*

Zodpovedný riešiteľ:	Eva Machová
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0161
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 45000 €

30.) Vývoj nových teoretických nástrojov pre predikciu a interpretáciu EPR a NMR parametrov *(Developing new theoretical tools for prediction and interpretation of EPR and NMR parameters)*

Zodpovedný riešiteľ:	Vladimír Malkin
Zodpovedný riešiteľ v organizácii SAV:	Miloš Hricovíni
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0726
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav anorganickej chémie SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 4500 €

31.) Chemoenzymatická syntéza a hodnotenie biologických aktivít prírodných glykofenolík a ich analógov *(Chemoenzymatic synthesis and evaluation of biological activities of natural glycophenolics and their analogues)*

Zodpovedný riešiteľ:	Mária Mastihubová
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0846-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	2 - Slovensko: 2
Čerpané financie:	APVV: 19970 €

32.) Štrukturálny dizajn, syntéza a evaluácia selektívnych inhibítorov glykozidhydroláz z rodiny 38 *(Structural design, synthesis and evaluation of selective inhibitors of glycoside hydrolases from the family 38)*

Zodpovedný riešiteľ:	Monika Poláková
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0484-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 37586 €

33.) Štruktúra, vlastnosti a biotechnologický potenciál nových mikrobiálnych enzýmov degradujúcich rastlinnú hmotu *(Structure, properties and biotechnological potential of novel microbial enzymes degrading plant biomass)*

Zodpovedný riešiteľ:	Vladimír Puchart
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0602-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 19550 €

34.) Možná duálna funkcia P-glykoproteínu pri viacliekovej rezistencii leukemických buniek: efluxná pumpa a regulačný proteín *(Possible dual function of P-glycoprotein in leukemia cells: efflux pump and regulatory protein)*

Zodpovedný riešiteľ:	Zdena Sulová
Zodpovedný riešiteľ v organizácii SAV:	Jaroslav Katrlík

Trvanie projektu:	1.7.2015 / 31.10.2018
Evidenčné číslo projektu:	APVV-14-0334
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Centrum biovied SAV
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	APVV: 5700 €

35.) Zbierka kultúr kvasiniek ako biobanka pre budúce generácie *(Culture Collection of Yeasts as a biobank for future generations)*

Zodpovedný riešiteľ:	Renáta Vadkertiová
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0744
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 25480 €

Programy: SASPRO

36.) Štúdium reakčného mechanizmu glykozyltransferáz použitím ab initio molekulovej dynamiky ako pomôcky pri návrhu inhibítorov *(Study of reaction mechanism of glycosyl transferases using ab initio molecular dynamics as a tool for design of inhibitors)*

Zodpovedný riešiteľ:	Stanislav Kozmon
Trvanie projektu:	1.7.2015 / 30.6.2018
Evidenčné číslo projektu:	SASPRO 0005/01/02
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Chemický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV: 38240 € EC Brussels: 25493 €

Príloha C

Publikačná činnosť organizácie (*generovaná z ARL*)

AAB Vedecké monografie vydané v domácich vydavateľstvách

AAB01 BERTÓK, Tomáš - BERTÓKOVÁ, Anikó, Illésová - FILIP, Jaroslav - HOLAZOVÁ, Alena, Šedivá - BELICKÝ, Štefan - KASÁK, Peter - TKÁČ, Ján. Nanobiotechnológie alebo Od lepiacej pásky k medicínskym aplikáciám. Bratislava : VEDA, 2017. ISBN 978-80-224-1580-4.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 DELORT, Anne Marie - VAITILINGOM, Mickael - JOLY, Muriel - AMATO, Pierre - WIRGOT, Nolwenn - LALLEMENT, Audrey - SANCELME, Martine - MATULOVÁ, Mária - DEGUILLAUME, Laurent. Clouds: A transient and stressing habitat for microorganisms. In Chénard, Caroline - Lauro, Federico M. ed. : Microbial Ecology of Extreme Environments. - Cham, Switzerland : Springer International Publishing AG, 2017, p. 215-245. ISBN 978-3-319-51684-4.

ABC02 VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Marta. Yeasts in agricultural and managed soils. In Buzzini, Pietro-Lachance, Marc-André, Yurkov, Andrey M (eds.): Yeasts in Natural Ecosystems: Diversity. - Cham, Switzerland : Springer International Publishing, 2017, p. 117-144. ISBN 978-3-319-62682-6.

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 ARMSTRONG, Michael C. - ŠESTÁK, Sergej - ALI, Ahmed A. - SAGINI, Hanan A.M. - BROWN, Max - BATY, Karen - TREUMANN, Achim - SCHRODER, Martin. Bypass of activation loop phosphorylation by aspartate 836 in activation of the endoribonuclease activity of Ire1. In Molecular and Cellular Biology, 2017, vol. 37, p. e00655-16. (4.398 - IF2016). (2017 - Current Contents). ISSN 0270-7306.

ADCA02 BELICKÝ, Štefan - ČERNOCKÁ, Hana - BERTÓK, Tomáš - HOLAZOVÁ, Alena, Šedivá - RÉBLOVÁ, Kamila - PALEČEK, Emil - TKÁČ, Ján - OSTATNÁ, Veronika. Label-free chronopotentiometric glycoprofiling of prostate specific antigen using sialic acid recognizing lectins. In Bioelectrochemistry, 2017, vol. 117, p. 89-94. (3.346 - IF2016). (2017 - Current Contents). ISSN 1567-5394.

ADCA03 BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRÍGUEZ, Julia - O´KENNEDY, Richard - TKÁČ, Ján. Full-length antibodies versus single chain antibody fragments for a selective impedimetric lectin-based glycoprofiling of prostate specific antigen. In Electrochimica Acta, 2017, vol. 246, p. 399-405. (4.798 - IF2016). (2017 - Current Contents). ISSN 0013-4686.

ADCA04 BELLA, Maroš - YAN, Shi - ŠESTÁK, Sergej - KOZMON, Stanislav - LIN, Chun-Hung - MUCHA, Ján - KOÓŠ, Miroslav. Synthesis of a β-D-psicofuranosyl sulfone and inhibitory-activity evaluation against N-acetylglucosaminyltransferase. In European Journal of Organic Chemistry, 2017, vol. 2017, p. 6179-6191. (2.834 - IF2016). (2017 - Current Contents). ISSN 1434-193X.

ADCA05 BUČEKOVÁ, Marcela - SOJKA, Martin - VALACHOVÁ, Ivana - MARTINOTTI, Simona - RANZATO, Elia - SZEP, Zoltán - MAJTAN, Viktor - KLAUDINY, Jaroslav - MAJTÁN, Juraj. Bee-derived antibacterial peptide, defensin-1, promotes wound re-epithelialisation in vitro and in vivo. In Scientific Reports, 2017, vol. 7, 7340. (4.259 - IF2016). (2017 - Current Contents). ISSN 2045-2322.

ADCA06 ČÍŽOVÁ, Alžbeta - KORCOVÁ, Jana, Vráblová - FARKAŠ, Pavol - BYSTRICKÝ, Slavomír. Efficient separation of mannan-protein by ionic liquid aqueous two-phase system, comparison with lectin affinity purification. In International Journal of Biological Macromolecules, 2017, vol. 98, p. 314-318. (3.671 - IF2016). (2017 - Current Contents). ISSN 0141-8130.

ADCA07 DAMBORSKÁ, Dominika - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - HOLAZOVÁ, Alena, Šedivá - LORENCOVÁ, Lenka - KASÁK, Peter - TKÁČ, Ján. Nanomaterial-based biosensors for detection of prostate specific antigen. In Microchimica Acta, 2017, vol. 184, p. 3049-3067. (4.580 - IF2016). (2017 - Current Contents). ISSN 0026-3672.

ADCA08 FILIP, Jaroslav - POPELKA, Anton - BERTÓK, Tomáš - HOLAZOVÁ, Alena, Šedivá - OSIČKA, Jozef - KOLLÁR, Jozef - ILČÍKOVÁ, Markéta - TKÁČ, Ján - KASÁK, Peter. pH-switchable interaction of a carboxybetaine ester-based SAM with DNA and gold nanoparticles. In Langmuir, 2017, vol. 33, p. 6657-6666. (3.833 - IF2016). (2017 - Current Contents). ISSN 0743-7463.

ADCA09 FILIP, Jaroslav - ZAVAHIR, Sifani - KLUKOVÁ, Ľudmila, Belická - TKÁČ, Ján - KASÁK, Peter. Immobilization of concanavalin A lectin on a reduced graphene oxide-thionine surface by glutaraldehyde crosslinking for the construction of an impedimetric biosensor. In Journal of Electroanalytical Chemistry, 2017, vol. 794, p. 156-163. (3.012 - IF2016). (2017 - Current Contents). ISSN 0022-0728.

ADCA10 FILIP, Jaroslav - ANDICSOVÁ-ECKSTEIN, Anita - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Immobilization of bilirubin oxidase on graphene oxide flakes with different negative charge density for oxygen reduction. The effect of GO charge density on enzyme coverage, electron transfer rate and current density. In Biosensors & Bioelectronics, 2017, vol. 89, p. 384-389. (7.780 - IF2016). (2017 - Current Contents). ISSN 0956-5663.

ADCA11 FLEISCHHACKEROVÁ, Anna, Slimáková - KORCOVÁ, Jana, Vráblová - BYSTRICKÝ, Slavomír. Immunogenicity of a glycoconjugate from hydrazine-detoxifies lipopolysaccharide of Vibrio cholerae O139. In Scandinavian Journal of Immunology, 2017, vol. 86, p. 444-451. (2.256 - IF2016). (2017 - Current Contents). ISSN 1365-3083.

ADCA12 GILLIS, Richard B. - ADAMS, Gary G. - BESONG, David T.M. - MACHOVÁ, Eva - EBRINGEROVÁ, Anna - ROWE, Arthur J. - HARDING, Stephen E. - PATEL, Trushar R. Application of novel analytical ultracentrifuge analysis to solutions of fungal mannans. In European Biophysics Journal, 2017, vol. 46, p. 235-245. (1.472 - IF2016). (2017 - Current Contents). ISSN 0175-7571.

ADCA13 HRICOVÍNI, Michal - DVORANOVÁ, Dana - BARBIERIKOVÁ, Zuzana - JANTOVÁ, Soňa - BELLA, Maroš - ŠORAL, Michal - BREZOVÁ, Vlasta. 6-Nitroquinolones in dimethylsulfoxide: Spectroscopic characterization and photoactivation of molecular oxygen. In Journal of Photochemistry and Photobiology A: Chemistry, 2017, vol. 332, p. 112-121. (2.625 - IF2016). (2017 - Current Contents). ISSN 1010-6030.

ADCA14 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Photochemically-induced anti-syn isomerization of quinazolinone derived Schiff´s bases: EPR, NMR and DFT analysis. In Tetrahedron, 2017, vol. 73, p. 252-261. (2.651 - IF2016). (2017 - Current Contents). ISSN 0040-4020.

ADCA15 HURAN, Jozef - MIKOLÁŠEK, Miroslav - PERNÝ, Milan - ŠÁLY, Vladimír - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, Alexander P. - ARBET, Juraj. HWCVD of B-doped silicon carbide thin films for SHJ solar cell technology. In Integrated Ferroelectrics, 2017, vol. 184, p. 23-31. (0.457 - IF2016). (2017 - Current Contents). ISSN 1058-4587.

ADCA16 HUSZÁR, Stanislav - SINGH, Vinayak - POLČICOVÁ, Alica - BARÁTH, Peter -

BARRIO, María Belén - LAGRANGE, Sophie - LEBLANC, Véronique - NACY, Carol A. - MIZRAHI, Valerie - MIKUŠOVÁ, Katarína. N-Acetylglucosamine-1-phosphate transferase, WecA, as a validated drug target in Mycobacterium tuberculosis. In Antimicrobial Agents and Chemotherapy, 2017, vol. 61, p. e01310-17. (4.302 - IF2016). (2017 - Current Contents). ISSN 0066-4804.

ADCA17 CHOCHOLOVÁ, Erika, Došeková - FILIP, Jaroslav - BERTÓK, Tomáš - BOTH, Peter - KASÁK, Peter - TKÁČ, Ján. Nanotechnology in glycomics: Applications in diagnostics, therapy, imaging, and separation precesses. In Medicinal Research Reviews, 2017, vol. 37, p. 514-626. (8.763 - IF2016). (2017 - Current Contents). ISSN 0198-6325.

ADCA18 JANTOVÁ, Soňa - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - TOPOĽSKÁ, Dominika - PÁNIK, Miroslav - MILATA, Viktor. Assessment of immunomodulatory activities and in vitro toxicity of new quinolone 7-ethyl 9-ethyl-6-oxo-6,9-dihydro [1,2,5] selenadiazolo [3,4-h] quinoline-7-carboxylate. In Immunological Investigations, 2017, vol. 46, p. 341-360. (1.824 - IF2016). (2017 - Current Contents). ISSN 0882-0139.

ADCA19 JOLLY, Pawan - ZHURAUSKI, Pavel - HAMMOND, Jules L. - MIODEK, Anna - LIÉBANA, Susana - BERTÓK, Tomáš - TKÁČ, Ján - ESTRELA, Pedro. Self-assembled gold nanoparticles for impedimetric and amperometric detection of a prostate cancer biomarker. In Sensors and Actuators B: Chemical, 2017, vol. 251, p. 637-643. (5.401 - IF2016). (2017 - Current Contents). ISSN 0925-4005.

ADCA20 KLONOWSKA, Iwona - JANÁK, Marian - MAJKA, Jarosław - PETRÍK, Igor - FROITZHEIM, Nikolaus - GEE, David G. - SASINKOVÁ, Vlasta. Microdiamond on Åreskutan confirms regional UHP metamorphism in the Seve Nappe Complex of the Scandinavian Caledonides. In Journal of Metamorphic Geology, 2017, vol. 35, p. 541-564. (3.594 - IF2016). (2017 - Current Contents). ISSN 0263-4929.

ADCA21 KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - RICHTEROVÁ-KUČEROVÁ, Danica - LIŠKOVÁ, Desana. Cadmium impact, accumulation and detection in poplar callus cells. In Environmental Science and Pollution Research, 2017, vol. 24, p. 15340-15346. (2.741 - IF2016). (2017 - Current Contents). ISSN 0944-1344.

ADCA22 KRAJČOVIČ, Tomáš - BUČKO, Marek - VIKARTOVSKÁ, Alica, Welwardová - LACÍK, Igor - UHELSKÁ, Lucia - CHORVÁT, Dušan - NEDĚLA, Vilém - TIHLAŘÍKOVÁ, Eva - GERICKE, Martin - HEINZE, Thomas - GEMEINER, Peter. Polyelectrolyte complex beads by novel two-step process for improved performance of viable whole-cell Bayeyer-Villiger monoxygenase by immobilization. In Catalysts, 2017, vol. 7, art. no. 353. (3.082 - IF2016). (2017 - Current Contents). ISSN 2073-4344.

ADCA23 KRATOCHVÍLOVÁ, Irena - GOLAN, Martin - POMEISL, Karel - RICHTER, Jan - SEDLÁKOVÁ, Silvia - ŠEBERA, Jakub - MIČOVÁ, Júlia - FALK, Martin - FALKOVÁ, Iva - ŘEHA, David - ELLIOT, K. Wade - VARGA, Krisztina - FOLLET, Shelby E. - ŠIMEK, Daniel. Theoretical and experimental study of the antifreeze protein AFP752, trehalose and dimethyl sulfoxide cryoprotection mechanism: correlation with cryopreserved cell viability. In RSC Advances, 2017, vol. 7, p. 352-360. (3.108 - IF2016). (2017 - Current Contents). ISSN 2046-2069.

ADCA24 KRIŽÁKOVÁ, Martina, Zámorová - HOLAZOVÁ, Alena, Šedivá - MILJUŠ, Goran - ROBAJAC, Dragana - ŠUNDERIČ, Miloš - MALENKOVIČ, Vesna - DUKANOVIČ, Blagoje - GEMEINER, Peter - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Analysis of changes in the glycan composition of serum, cytosol and membrane glycoprotein biomarkers of colorectal cancer using a lectin-based protein microarray. In Analytical Methods, 2017, vol. 9, p. 2660-2666. (1.900 - IF2016). (2017 - Current Contents). ISSN 1759-9660.

ADCA25 KRYLOV, Vadim B. - PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema -

TSVETKOV, Yury E. - NIFANTIEV, Nikolay E. Recent advances in the synthesis of fungal antigenic oligosaccharides. In Pure and Applied Chemistry, 2017, vol. 89, p. 885-898. (2.626 - IF2016). (2017 - Current Contents). ISSN 0033-4545.

ADCA26 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. Optimization of the small glycan presentation for binding a tumor-associated antibody: Application to the construction of an ultrasensitive glycan biosensor. In Langmuir, 2017, vol. 33, p. 2709-2716. (3.833 - IF2016). (2017 - Current Contents). ISSN 0743-7463.

ADCA27 LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - HOLAZOVÁ, Alena, Šedivá - PAPRČKOVÁ, Darina - VIKARTOVSKÁ, Alica, Welwardová - SASINKOVÁ, Vlasta - FILIP, Jaroslav - KASÁK, Peter - JERIGOVÁ, Monika - VELIČ, Dušan - MAHMOUD, Khaled A. - TKÁČ, Ján. Electrochemical performance of Ti3C2TX MXene in aqueous media: towards ultrasensitive H2O2 sensing. In Electrochimica Acta, 2017, vol. 235, p. 471-479. (4.798 - IF2016). (2017 - Current Contents). ISSN 0013-4686.

ADCA28 MAJEROVÁ, Petra - BARÁTH, Peter - MICHALICOVÁ, Alena - KATINA, Stanislav - NOVÁK, Michal - KOVÁČ, Andrej. Changes of cerebrospinal fluid peptides due to tauopathy. In Journal of Alzheimer's Disease, 2017, vol. 58, p. 507-512. (3.731 - IF2016). (2017 - Current Contents). ISSN 1387-2877.

ADCA29 MAJZÚNOVÁ, Miroslava - PAKANOVÁ, Zuzana - KVASNIČKA, Peter - BALIŠ, Peter - ČAČÁNYIOVÁ, Soňa - DOVINOVÁ, Ima. Age-dependent redox status in the brain stem of NO-deficient hypertensive rats. In Journal of Biomedical Science, 2017, vol. 24, article no. 72. (2.799 - IF2016). (2017 - Current Contents). ISSN 1021-7770.

ADCA30 MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária - BELÁK, Miroslav - DUDÍKOVÁ, Jana - KARNIŠOVÁ, Elena, Potocká - PETRUŠ, Ladislav. Preparation of α-galactooligoglycosides by cell walls from Cryptococcus laurentii using a novel α-galactosyl donor. In Tetrahedron: Asymmetry, 2017, vol. 28, p. 1089-1094. (2.126 - IF2016). (2017 - Current Contents). ISSN 0957-4166.

ADCA31 MIRABELLA, Stefania - D'ADAMIO, Giampiero - MATASSINI, Camilla - GOTI, Andrea - DELGADO, Sandra - GIMENO, Ana - ROBINA, Inmaculada - MORENO-VARGAS, Antonio J. - ŠESTÁK, Sergej - JIMÉNEZ-BARBERO, Jesus - CARDONA, Francesca. Mechanistic insight into the binding of multivalent pyrrolidines to alpha-mannosidases. In Chemistry - A European Journal, 2017, vol. 23, p. 14585-14596. (5.317 - IF2016). (2017 - Current Contents). ISSN 0947-6539.

ADCA32 POLAKOVIČ, Milan - ŠVITEL, Juraj - BUČKO, Marek - FILIP, Jaroslav - NEDĚLA, Vilém - ANSORGE-SCHUMACHER, Marion B. - GEMEINER, Peter. Progress in biocatalysis with immobilized viable whole cells: systems development, reaction engineering and applications. In Biotechnology Letters, 2017, vol. 39, p. 667-683. (1.730 - IF2016). (2017 - Current Contents). ISSN 0141-5492.

ADCA33 ROBAJAC, Dragana - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - MIKOVIĆ, Željko - NEDIĆ, Olgica. Screening for the best detergent for the isolation of placental membrane proteins. In International Journal of Biological Macromolecules, 2017, vol. 102, p. 431-437. (3.671 - IF2016). (2017 - Current Contents). ISSN 0141-8130.

ADCA34 SHIRKOV, Leonid - SLÁDEK, Vladimír. Benchmark CCSD-SAPT study of rare gas dimers with comparison to MP-SAPT and DFT-SAPT. In Journal of Chemical Physics, 2017, vol. 147, article no. 174103. (2.965 - IF2016). (2017 - Current Contents). ISSN 0021-9606.

ADCA35 SLÁDEK, Vladimír - TVAROŠKA, Igor. First-principles interaction analysis assessment of manganese cation in the catalytic activity of glycosyltransferases. In Journal of Physical Chemistry B, 2017, vol. 121, p. 6148-6162. (3.177 - IF2016).

(2017 - Current Contents). ISSN 1520-6106.

ADCA36 SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki. In silico analysis of interaction pattern switching in ligand···receptor binding in Golgi alfa-mannosidase II induced by the protonated states of inhibitors. In Physical Chemistry Chemical Physics, 2017, vol. 19, p. 12527-12537. (4.123 - IF2016). (2017 - Current Contents). ISSN 1463-9076.

ADCA37 SMUŁEK, Wojciech - KACZOREK, Eva - HRICOVÍNIOVÁ, Zuzana. Alkyl xylosides: physico-chemical properties and influence on environmental bacteria cells. In Journal of Surfactants and Detergents, 2017, vol. 20, p. 1269-1279. (1.450 - IF2016). (2017 - Current Contents). ISSN 1097-3958.

ADCA38 SOBOLČIAK, Patrik - POPELKA, Anton - MIČUŠÍK, Matej - SLÁVIKOVÁ, Monika - KRUPA, Igor - MOSNÁČEK, Jaroslav - TKÁČ, Ján - LACÍK, Igor - KASÁK, Peter. Photoimmobilization of zwitterionic polymers on surfaces to reduce cell adhesion. In Journal of Colloid and Interface Science, 2017, vol. 500, p. 294-303. (4.233 - IF2016). (2017 - Current Contents). ISSN 0021-9797.

ADCA39 SOUKUP, Milan - MARTINKA, Michal - BOSNIĆ, Dragana - ČAPLOVIČOVÁ, Mária - ELBAUM, Rivka - LUX, Alexander. Formation of silica aggregates in sorghum root endodermis is predetermined by cell wall architecture and development. In Annals of Botany, 2017, vol. 120, p. 739-753. (4.041 - IF2016). (2017 - Current Contents). ISSN 0305-7364.

ADCA40 ŠIMKOVIC, Ivan - KELNAR, Ivan - MENDICHI, Raniero - BERTÓK, Tomáš - FILIP, Jaroslav. Composite films prepared from agricultural by-products. In Carbohydrate Polymers, 2017, vol. 156, p. 77-85. (4.811 - IF2016). (2017 - Current Contents). ISSN 0144-8617.

ADCA41 ŠORAL, Michal - MARKUS, Jozef - DOHÁŇOŠOVÁ, Jana - ŠORALOVÁ, Stanislava - DVORANOVÁ, Dana - CHYBA, Andrej - MONCOL, Ján - BERKEŠ, Dušan - LIPTAJ, Tibor. An unexpected reaction pathway in the synthesis of the ABCE framework of strychnine-type alkaloids – A multidisciplinary study. In Journal of Molecular Structure, 2017, vol. 1128, p. 230-238. (1.753 - IF2016). (2017 - Current Contents). ISSN 0022-2860.

ADCA42 ŠUTOVSKÁ, Martina - KOČMÁLOVÁ, Michaela - PAPPOVÁ, Lenka - FRAŇOVÁ, Soňa - CHYBA, Andrej - KOPECKÝ, Jiří - LUKAVSKÝ, Jaromír - CEPÁK, Vladislav - CAPEK, Peter. The chemical profile and pharmacodynamic properties of extracellular Wollea saccata biopolymer. In International Journal of Biological Macromolecules, 2017, vol. 103, p. 863-869. (3.671 - IF2016). (2017 - Current Contents). ISSN 0141-8130.

ADCA43 ZELKO, Ivan - OUVRARD, Stéphanie - SIRGUEY, Catherine. Roots alterations in presence of phenanthrene may limit co-remediation implementation with Noccaea caerulescens. In Environmental Science and Pollution Research, 2017, vol. 24, p. 19653-19661. (2.741 - IF2016). (2017 - Current Contents). ISSN 0944-1344.

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

ADDA01 BUČKO, Marek - VIKARTOVSKÁ, Alica, Welwardová - SCHENKMAYEROVÁ, Andrea - TKÁČ, Ján - FILIP, Jaroslav - CHORVÁT, Dušan, Jr. - NEDĚLA, Vilém - ANSORGE-SCHUMACHER, B. Marion - GEMEINER, Peter. Progress in emerging techniques for characterization of immobilized viable whole-cell biocatalysts. In Chemical Papers, 2017, vol. 71, p. 2309-2324. (1.258 - IF2016). (2017 - Current Contents). ISSN 0366-6352.

ADDA02 BYSTRICKÝ, Peter - DOBROTA, Dušan - RAČAY, Peter - BYSTRICKÝ, Slavomír. NMR characteristics of alpha-D-Man-(1→2)-D-Man and alpha-D-Man-(1→3)-D-Man mannobioses related to Candida albicans yeast mannan structures. In

Chemical Papers, 2017, vol. 71, p. 2485-2493. (1.258 - IF2016). (2017 - Current Contents). ISSN 0366-6352.

ADDA03 ZICHOVÁ, Miroslava - STRATILOVÁ, Eva - OMELKOVÁ, Jiřina - VADKERTIOVÁ, Renáta - BABÁK, Libor - ROSENBERG, Michal. Production of ethanol from waste paper using immobilized yeasts. In Chemical Papers, 2017, vol. 71, p. 553-561. (1.258 - IF2016). (2017 - Current Contents). ISSN 0366-6352.

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMA01 GONCHAROVA, Natalya V. - KHRAPOVA, Marina V. - PUPYSHEV, Alexander B. - KOROLENKO, Erik T. - NEŠČÁKOVÁ, Zuzana - KOROLENKO, Tatyana A. Hypolipidemic effect of mannan in mice with acute lipemia induced by poloxamer 407. In Bulletin of Experimental Biology and Medicine, 2016, vol. 162, p. 18-22. (0.448 - IF2015). (2017 - WOS, SCOPUS). ISSN 0007-4888.

ADMA02 HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti - MISHRA, Sushil Kumar - ROMANO, Patrick R. - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Influence of Trp flipping on carbohydrate binding in lectins. An example on Aleuria aurantia lectin AAL. In PLoS One, 2017, vol. 12, p. e0189375. (2.806 - IF2016). (2017 - WOS, SCOPUS). ISSN 1932-6203.

ADMA03 LÁSZLOVÁ, Katarína - DERCOVÁ, Katarína - HORVÁTHOVÁ, Helena - MURÍNOVÁ, Slavomíra - ŠKARBA, Juraj - DUDÁŠOVÁ, Hana. Assisted bioremediation approaches - Biostimulation and bioaugmentation - Used in the removal of organochlorinated pollutants from the contaminated bottom sediments. In International Journal of Environmental Research, 2016, vol. 10, p. 367-378. (0.992 - IF2015). (2017 - WOS, SCOPUS). ISSN 1735-6865.

ADMA04 PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - HRUBIŠKO, Martin - KRYLOV, Vadim B. - ARGUNOV, Dmitry A. - NIFANTIEV, Nikolay E. Immunobiological activity of synthetically prepared immunodominant galactomannosides structurally mimicking Aspergillus galactomannan. In Frontiers in Immunology, 2017, vol. 8, article no. 1273. (6.429 - IF2016). (2017 - WOS, SCOPUS). ISSN 1664-3224.

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMB01 POLONYOVÁ, Eva - HORŇÁK, Marcel - ZELKO, Ivan - LUX, Alexander - ROST, Thomas L. Future geography graduates - how much their degree matters? Student expectations at Comenius University, Bratislava, Slovakia. In Geographia Polonica, 2017, vol. 90, p. 111-122. (2017 - SCOPUS). ISSN 0016-7282.

ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNA01 MIČOVÁ, Júlia - REMEŠ, Zdeněk - YU-YING, Chang. Production of zinc oxide nanowires power with precisely defined morphology. In Journal of Electrical Engineering, 2017, vol. 68, p. 66-69. (0.483 - IF2016). (2017 - WOS, SCOPUS). ISSN 1335-3632.

ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNB01 BEZEK, Štefan - BRNOLIAKOVÁ, Zuzana - SOTNÍKOVÁ, Ružena - KNEZL, Vladimír - PAULOVIČOVÁ, Ema - NAVAROVÁ, Jana - BAUER, Viktor. Monotherapy of experimental metabolic syndrome: I. Efficacy and safety. In Interdisciplinary Toxicology, 2017, vol. 10, p. 81-85. (2017 - SCOPUS). ISSN 1337-6853.

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 MIČOVÁ, Júlia - REMEŠ, Zdeněk - CHANG, Y.-Y. - NEYKOVA, N. Preparation of zinc oxide nanorods colloid from thin layers. In Conference Proceedings: NANOCON 2016: 8th International Conference on Nanomaterials - Research and Application 2016, October 19-21, 2016, Brno, Czech Republic. Ostrava: TANGER Ltd., 2016, p. 127-132. ISBN 978-808729471-0.

AFC02 TKÁČ, Ján - HUSHEGYI, András - KVĚTOŇ, Filip - BERTÓK, Tomáš. Ultrasensitive electrochemical glycan biosensors. In NAVRÁTIL, Tomáš - FOJTA, Miroslav - SCHWARZOVÁ, Katarína (eds.). Sborník přednášek mezinárodní odborné konference: XXXVII. Moderní elektrochemické metody, 15.-19. květen 2017, Jetřichovice, Česká republika. Ústí nad Labem: Srsenová Lenka - Best servis Ústí nad Labem, 2017, p. 220-224. ISBN 978-80-905221-5-2.

AFC03 TOMČÍKOVÁ, Kornélia - KVĚTOŇ, Filip - HÍVEŠ, Ján - TKÁČ, Ján - GÁL, Miroslav. Impedimetric biosensor for influenza detector (Impedimetrický biosenzor pre detekciu vírusu chrípky). In NAVRÁTIL, Tomáš - FOJTA, Miroslav - SCHWARZOVÁ, Katarína (eds.). Sborník přednášek mezinárodní odborné konference: XXXVII. Moderní elektrochemické metody, 15.-19. květen 2017, Jetřichovice, Česká republika. Ústí nad Labem: Srsenová Lenka - Best servis Ústí nad Labem, 2017, p. 230-233. ISBN 978-80-905221-5-2.

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 HRIVNÁKOVÁ, Viera - PÄTOPRSTÝ, Vladimír. Porovnanie tradičných extrakčných metód so superkritickou fluidnou CO2 extrakciou u rastliny S. grosvenori. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 957-962. ISBN 978-80-223-4310-7.

AFD02 HURAN, Jozef - BOHÁČEK, Pavol - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, Alexander P. - ARBET, Juraj - KOVÁČOVÁ, Eva - SEKÁČOVÁ, Mária. PECVD silicon carbide films for electromagnetic energy absorption in the 0.1-2.0THz frequency range. In LETTRICHOVÁ, Ivana - ŠUŠLÍK, Ľuboš - KOVÁČ, Jaroslav, jr. (eds.). Proceedings of ADEPT 2017: 5th International Conference on Advances in Electronic and Photonic Technologies, June 19-22, 2017, Podbanské, High Tatras, Slovakia. Žilina: University of Žilina, 2017, p. 203-206. ISBN 978-80-554-1342-6.

AFD03 HURAN, Jozef - BOHÁČEK, Pavol - HRUBČÍN, Ladislav - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - MIKOLÁŠEK, Miroslav - KOBZEV, Alexander P. - KOVÁČOVÁ, Eva - ARBET, Juraj. PECVD silicon carbide thin films for harsh environment applications. In LETTRICHOVÁ, Ivana - ŠUŠLÍK, Ľuboš - KOVÁČ, Jaroslav, jr. (eds.). Proceedings of ADEPT 2017: 5th International Conference on

Advances in Electronic and Photonic Technologies, June 19-22, 2017, Podbanské, High Tatras, Slovakia. Žilina: University of Žilina, 2017, p. 215-218. ISBN 978-80-554-1342-6.

AFD04 JAKUBČINOVÁ, Jana - BARÁTH, Marek. Príprava prekurzorov inhibítorov glykozyltransferáz. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 968-872. ISBN 978-80-223-4310-7.

AFD05 KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Ochranný účinok galaktoglukomanánových oligosacharidov na rast rastlín v kontaminovanom prostredí. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 281-286. ISBN 978-80-223-4310-7.

AFD06 KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Vplyv galaktoglukomanmánových oligosacharidov na diferenciáciu xylému a apoplazmických bariér. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 287-292. ISBN 978-80-223-4310-7.

AFD07 KUSÁ, Zuzana - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Životaschopnosť protoplastov kukurice v abiotickom strese. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 403-408. ISBN 978-80-223-4310-7.

AFD08 LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Vplyv kremíka v rôznych koncentráciách na rast kalusov topoľa kultivovaných s prídavkom kadmia. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 415-420. ISBN 978-80-223-4310-7.

AFD09 LABANCOVÁ, Eva - SOUKUP, Milan - ŠVUBOVÁ, Renáta - SLOVÁKOVÁ, Ľudmila. The formation of phytoliths in sorghum roots under different pH conditions. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 421-426. ISBN 978-80-223-4310-7.

AFD10 MIKOLÁŠKOVÁ, Barbora - BARÁTH, Peter - KRETOVÁ, Miroslava - HRCKOVA TURNOVA, Evelina - DUDÁŠ, Andrej - ČIPÁK, Ľuboš. Identification of a novel function of casein kinase II as a splicing regulator. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 519-524. ISBN 978-80-223-4310-7.

AFD11 SAMEK, Oto - HARONIKOVÁ, Andrea - JEŽEK, Jan - BERNATOVÁ, Silvie - MÁROVÁ, Ivana - BREIEROVÁ, Emília - ŠERÝ, Mojmír - ŠILER, Martin -

ZEMÁNEK, Pavel. Raman spectroscopy to monitor the effects of temperature regime and medium composition on micro-organism growth. In Proceedings of SPIE - The International Society for Optical Engineering, September 5-9, 2016, Jasná, Slovakia. - 2016, vol. 10142, article number 101420B. ISSN 0277-786X.

AFD12 STRATILOVÁ, Barbora - KLAUDINY, Jaroslav - ŠESTÁK, Sergej. C-terminálová štruktúra dlhoreťazovej alfa-galaktozidázy kvasinky Cryptococcus flavescens. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 1110-1115. ISBN 978-80-223-4310-7.

AFD13 STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav. Štúdium akceptorovej špecificity enzýmu xyloglukánendotransglykozyláza (XET). In Študentská vedecká konferencia PriF UK 2017, Bratislava, 26.apríl. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 1104-1109. ISBN 978-80-223-4310-7.

AFD14 ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Vplyv auxínu na ukladanie suberínu a lignínu v koreňoch kukurice (Zea mays L.). In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 704-709. ISBN 978-80-223-4310-7.

AFD15 UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - CEPÁK, Vladimír - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Biopolyméry produkované sladkovodnými cyanobaktériami. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 1133-1137. ISBN 978-80-223-4310-7.

AFD16 UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna. 1H-NMR spektroskopia v diagnostike dedičných porúch metabolizmu. In GALAMBOŠ, Michal - DŽUGASOVÁ, Vladimíra - ŠEVČOVIČOVÁ, Andrea - BOBOVSKÁ, Adela (eds.). Študentská vedecká konferencia PriF UK 2017: Zborník recenzovaných príspevkov, 26. apríl 2017, Bratislava. Bratislava: Univerzita Komenského vo Vydavateľstve UK, 2017, s. 1138-1143. ISBN 978-80-223-4310-7.

AFD17 ZIBUROVÁ, Jana - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ŠEDIVÁ, Mária - ŠESTÁK, Sergej - ŠALINGOVÁ, Anna - BEHULOVÁ, Darina - MUCHA, Ján. Multiomics approach in a clinical case of suspected CDGx patient. In MIŠTINA, Juraj - JURINOVÁ, Jana (eds.). Conference Proceedings of the 6th Biennial International Scientific Conference Applied Natural Sciences 2017 (ANS 2017), September 27-29, 2017, Jasná, Low Tatras, Slovakia. Trnava: University of SS. Cyril and Methodius in Trnava, p. 40-44. ISSN 978-80-8105-548-5.

AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií

AFE01 KOZMON, Stanislav. Using the IT4I infrastructure on the enzymatic reactions studies. In Programme: 6th Annual Conference of IT4Innovations and 1st Users Conference of IT4Innovations, October 31-November 1, 2017, Ostrava, Czech Republic. Ostrava: VŠB-TU Ostrava, 2017, p. 3.

AFF Abstrakty pozvaných príspevkov z domácich konferencií

AFF01 BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - LORENCOVÁ, Lenka - HOLAZOVÁ, Alena, Šedivá - DAMBORSKÁ, Dominika - HUSHEGYI, András - KASÁK - TKÁČ, Ján. Low cost, disposable, nanostructured interfaces for glycomic studies and medical diagnostics. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 33, IL5. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFF02 MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária. Use of glycosidases in the synthesis of phenylethanoid synthons of glycophenolics. In ORIŇAKOVÁ, Renáta (ed.). Book of Abstracts: New trends in chemistry - Trends in chemistry, research and education at Faculty of Sciences of P. J. Šafárik University, November 10, 2017, Košice. Košice: Pavol Jozef Šafárik University, 2017, p. 6. ISBN 978-80-8152-553-7.

AFF03 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila, Belická - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Diagnostic potential of biosensors in medicinal biotechnology and biomedicine. In CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). Book of Abstracts: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Trnava, Slovakia. Trnava: University of SS. Cyril and Methodius in Trnava, 2017, p. 38-39. ISBN 978-80-8105-864-6.

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 BARÁTH, Marek - JAKUBČINOVÁ, Jana - HIRSCH, Ján - TVAROŠKA, Igor. Chemical synthesis of transition state analogs as a potential inhibitors of human glycosyltransferases. In Book of Abstracts: 17. Österreichische Chemietage (17th Austrian Chemistry Days), September 25-28, 2017, Salzburg, Austria. Wien: Gesellschaft Österreichischer Chemiker, 2017, p. PO-99. ISBN 978-3-900554-76-7.

AFG02 BELICKÝ, Štefan - DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - MUCHA, Ján - TKÁČ, Ján. Electrochemical lectin biosensor: A perspective approach to prostate cancer diagnostics. In Program and Book of Abstracts: BIOSENSOR 2017: 1st European & 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany. Potsdam: University of Potsdam, 2017, p. 57, O4.

AFG03 BELLA, Maroš - POLÁKOVÁ, Monika - ŠESTÁK, Sergej - KOÓŠ, Miroslav. Synthesis and biochemical evaluation of selective inhibitors of alpha-mannosidase II. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 458, P176.

AFG04 ČÍŽOVÁ, Alžbeta - NEŠČÁKOVÁ, Zuzana - MALOVÍKOVÁ, Anna - BYSTRICKÝ, Slavomír. Preparation and immunological potential of amphoteric mannans from yeast candida albicans. In Abstract Book: 5th EPNOE International Polysaccharide Conference, 20-24 August 2017, Jena, Germany. Jena: Friedrich Schiller University of Jena, 2017, p. 204, P24.

AFG05 DOVINOVÁ, Ima - HRABÁROVÁ, Eva - JANSEN, Eugene. ADMA production and redox status improvement in exogenous NOS inhibitor 7-NI in spontaneously hypertensive rats. In Abstract Volume: 6th International Symposium of the Human Nutrition & Metabolism Research and Training Center Graz (HNMRC): Human health: From laboratory models to clinical studies, September 16, 2017, Graz, Austria. Graz: Karl-Franzens University of Graz, 2017, p. 44, P03 ISBN 978-3-200-05266-6.

AFG06 DOVINOVÁ, Ima - HRABÁROVÁ, Eva - JANSEN, Eugene. Abstracts: Meeting of the International HNE-Club and the University of Graz: Reactive Oxygen Species and Lipid Peroxidation in Human Health and Disease, September 14-15, 2017, Graz, Austria. Graz: University of Graz, 2017, p. 53.

AFG07 DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Verification of yeast species originated from water and trees of southwest Slovakia. In ŠVEC, Pavel - KRÁLOVÁ, Stanislava - LAICHMANOVÁ, Monika - SEDLÁČEK, Ivo (eds.). Abstracts: XXXVI Annual Meeting of the European Culture Collections' Organisation (ECCO 2017), 13-15 September, 2017, Brno, Czech Republic. Brno: Tribun EU, s.r.o., 2017, p. 49, P04. ISBN 978-80-263-1327-4.

AFG08 DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Soil yeasts and their killer activity. In VACEK, Lukáš (ed.). Sborník: Tomáškovy dny 2017: XXVI. konference mladých mikrobiologů, 8.-9. červen 2017, Brno, Česká republika. Brno: Masarykova Univerzita, 2017, s. 64. ISBN 978-80-210-8585-5.

AFG9 FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Novel substratesfor microbial glucuronoyl esterases - enzymes with still unexplored biotechnological potential. In Book of Abstracts: 12th Carbohydrate Bioengineering Meeting (CBM12), April 23-26, 2017, Vienna, Austria. Graz: acib GmbH, 2017, p. 73.

AFG10 GRIGORIEVIĆ, Nikola - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Glycosylation changes of fibrinogen in relation to aging and possible influence on fibrinogen activity. In 42nd FEBS Congress: From Molecules to Cells and Bach, 10-14 September, 2017, Jerusalem, Israel. In The FEBS Journal, 2017, vol. 284, suppl. 1, p. 182, abstract no. P.1.3-007.

AFG11 HALAJ, Michal - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - JANTOVÁ, Soňa - MATULOVÁ, Mária - CEPAK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter. Biopolymer produced by green microalgae species chemical and immunobiological view. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 749, P502.

AFG12 HALAJ, Michal - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - JANTOVÁ, Soňa - MATULOVÁ, Mária - CEPÁK, Vladislav - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Biopolymers produced by dictyosphaerium chlorelloides. In Final program: 13th International Conference on Polysaccharides-Glycoscience (IPG 2017), 8-10 November, 2017, Prague, Czech Republic. Prague: University of Chemistry and Technology, 2017, p. 15.

AFG13 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Photochemistry of quinazolinone-derived Schiff´s bases. In Abstract Booklet: Instruct Biennial Structural Biology Meeting, 24-26 May, 2017, Brno, Czech Republic. Brno: CEITEC, 2017, p. 87.

AFG14 HRICOVÍNI, Michal - BREIEROVÁ, Emília - MAGDOLEN, Peter - HRICOVÍNIOVÁ, Zuzana. Photochemical and biological properties of N-aryl- and N-heteroaryl-D-glucuronides. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 687, P427.

AFG15 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. EPR, NMR and DFT analysis of photoisomerization process in some Schiff´s bases. In Proceedings: 10th Workshop on Modern Methods in Quantum Chemistry, 5-10 March 2017, Mariapfarr, Austria. Berlin: Technische Universität Berlin, 2017, P4.

AFG16 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Photochemistry of quinazolinone-derived schiff´s bases: EPR, NMR amd DFT study. In NOVOTNÝ, Jan - MAREK, Radek (eds.). Abstracts: Central European NMR Meeting: 32nd NMR Valtice, April 23-26, 2017, Valtice, Czech Republic. Brno: Stuare, s.r.o., 2017, p. C-28. ISBN 978-80-86441-49-8.

AFG17 HRICOVÍNI, Miloš. Solution structure of heparin pentasaccharide analysed by NMR and DFT calculation. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 207, OL89.

AFG18 HROMÁDKOVÁ, Zdenka - KOŠŤÁLOVÁ, Zuzana. Optimization of ultrasonic-assisted extraction of european larch and identification of the water-extractable arabinogalactan fractions. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 559, P280.

AFG19 CHOCHOLOVÁ, Erika, Došeková - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Analysis of human IgG samples with an impedimetric lectin biosensor in an array format. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 285, FL30-P317.

AFG20 JANÁK, Marian - RAVNA, Erling J. Krogh - KULLERUD, Kåre - PETRÍK, Igor - YOSHIDA, Kenji - SASINKOVÁ, Vlasta. UHP metamorphism in the Tromsø Nappe, Scandinavian Caledonides – recent progress. In BUKAŁA, Michał - MŁYNARSKA, Maria (eds.). Abstract book and mid-conference excursion field guide: 12th International Eclogite Conference: High- and ultrahigh-pressure rocks – keys to lithosphere dynamics through geologic time, August 26-29, 2017, Åre, Sweden. Kraków, Poland: AGH – University of Science and Technology, 2017, p. 64.

AFG21 JANOŠ, Pavel - TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Reaction mechanism of a glycosyltransferase elucidated using different QM/MM approaches. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 383, P94.

AFG22 JANOŠ, Pavel - TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Comparison of different QM/MM approaches to study the glycosyltransferase reaction mechanism. In Book of Abstracts: 17. Österreichische Chemietage (17th Austrian Chemistry Days), September 25-28, 2017, Salzburg, Austria. Wien: Gesellschaft Österreichischer Chemiker, 2017, p. PO-156. ISBN 978-3-900554-76-7.

AFG23 JOLLY, Pawan - ZHURAUSKI, Pavel - HAMMOND, Jules L. - MIODEK, Anna - LIÉBANA, Susana - BERTÓK, Tomáš - TKÁČ, Ján - ESTRELA, Pedro. Self-assembled gold nanoparticles for impedimetric and amperometric detection of a prostate cancer biomarker. In Delegate Programme Booklet: 5th International Conference on Bio-Sensing Technology, 7-10 May 2017, Riva del Garda, Italy. Amsterdam: Elsevier, 2017, p. [O11].

AFG24 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBA, Vladimír. Preparation of tyrosyl beta-rutinoside catalysed by crude plant material. In SPIWOK, Vojtěch - ŠUĆUR, Zoran - PAULOVÁ, Leona - MAŤÁTKOVÁ, Olga - KÁŠ, Jan (eds.). Book of Abstracts: BioTech 2017 and 7th Czech-Swiss Symposium with Exhibition, June 13-17, 2017, Prague, Czech Republic. Prague: University of Chemistry and Technology, 2017, p. 120-121, P1. ISBN 978-80-7080-989-1.

AFG25 KARNIŠOVÁ POTOCKÁ, Elena - KIS, Peter - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Screening of beta-D-apiosidases as a potential auxiliary enzymes for biomass degradation. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 73, P14.

AFG26 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran -

ŠUNDERIĆ, Miloš - ROBAJAC, Dragana - NEDIĆ, Olgica. Determination of protein glycosylation using lectin-based protein microarrays. In SPASOJEVIĆ, Ivan (ed.). Proceedings: Serbian Biochemical Society Seventh Conference "Biochemistry of Control in Life and Technology", November 10, 2017, Belgrade, Serbia. Belgrade: Serbian Biochemical Society, 2017, p. 141-142. ISBN 978-86-7220-091-1.

AFG27 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter - ŠESTÁK, Sergej - MUCHA, Ján. Application of lectin-based protein microarray in glyco-biomarker analysis of congenital disorder of glycosylation. In Program and Abstract Book: GLYCO 24: 24th International Symposium on Glycoconjugates, August 27-September 1, 2017, Jeju, South Korea. In Glycoconjugate Journal, 2017, vol. 34, Issue 1 (Suppl), p. 93-94. ISSN 0282-0080.

AFG28 KIS, Peter - MASTIHUBOVÁ, Mária. Zinc carbonate as a promoter of glycosylations under microvawe irradiation. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 680, P416.

AFG29 KIS, Peter - MASTIHUBOVÁ, Mária. Chemoenzymatic tactics towards the synthesis of phenylethanoid apioglucosides. In Abstracts: COST Action CM1407 2nd Training School, September 18-20, 2017, Lisbon U. Lusofona's, Portugal. In Biomedical and Biopharmaceutical Research, 2017, vol. 14, Suppl. 2, p. 264, P21.

AFG30 KIS, Peter - MASTIHUBOVÁ, Mária. Chemoenzymatic tactics towards the synthesis of phenylethanoid apioglucosides. In Abstracts: COST Action CM1407 4th Meeting, September 21-22, 2017, Lisbon U. Lusofona's, Portugal. In Biomedical and Biopharmaceutical Research, 2017, vol. 14, Suppl. 2, p. 284, P19.

AFG31 KLONOWSKA, Iwona - JANÁK, Marian - PETRÍK, Igor - MAJKA, Jarosław - HOLMBERG, J. - BROMAN, Curt - SASINKOVÁ, Vlasta - YOSHIDA, Kenji. Diamond-bearing UHP Seve Nappe Complex, Scandinavian Caledonides. In BUKAŁA, Michał - MŁYNARSKA, Maria (eds.). *Abstract book and mid-conference excursion field guide: 12th International Eclogite Conference: High- and ultrahigh-pressure rocks – keys to lithosphere dynamics through geologic time, August 26-29, 2017, Åre, Sweden*. Kraków, Poland: AGH – University of Science and Technology, 2017, p. 66.

AFG32 KOČMÁLOVÁ, Michaela - ŠUTOVSKÁ, Martina - CAPEK, Peter - PAWLACZYK, Izabela - ZACZYNSKA, Ewa - CZARNÝ, Anna - UHLIARIKOVÁ, Iveta - GANCARZ, Roman - FRANOVÁ, Soňa. Antitussive and bronchodilatory effect of Arnica Montana complex. In Book of Abstracts: World Congress on Pharmacology & Chemistry of Natural Compounds, October 9-11, 2017, Tbilisi, Georgia. Santa Clara, CA: Innovinc, 2017, p. 52.

AFG33 KÓŇA, Juraj - SLÁDEK, Vladimír. Using quantum mechanics methods for search of selective inhibitors of Golgi α-mannosidase II. In Book of Abstracts: 12th Carbohydrate Bioengineering Meeting (CBM12), April 23-26, 2017, Vienna, Austria. Graz: acib GmbH, 2017, p. 159, P 058.

AFG34 KÓŇA, Juraj - SLÁDEK, Vladimír. Quantum mechanics calculations on ligand-receptor interactions in Golgi α-mannosidase II. In Book of Abstracts: 17. Österreichische Chemietage (17th Austrian Chemistry Days), September 25-28, 2017, Salzburg, Austria. Wien: Gesellschaft Österreichischer Chemiker, 2017, p. PO-155. ISBN 978-3-900554-76-7.

AFG35 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka. Hazelnut skin as a source of polysaccharides. In Abstract Book: 5th EPNOE International Polysaccharide Conference, 20-24 August 2017, Jena, Germany. Jena: Friedrich Schiller University of Jena, 2017, p. 210, P31.

AFG36 KRAJČOVIČ, Tomáš - BUČKO, Marek - GEMEINER, Peter. Two-step encapsulation of viable whole-cell Baeyer-Villiger monooxygenase. In Proceedings: 25th International Conference on Bioencapsulation, July 3-6, 2017, La Chapelle sur Erdre (Nantes), France. Nantes: Bioencapsulation Research Group, 2017, p. 108-109, P-08.

AFG37 KRIŽÁKOVÁ, Martina, Zámorová - ŠUNDERIĆ, Miloš - MALENKOVIĆ, Vesna - NEDIĆ, Olgica - KATRLÍK, Jaroslav. Glycan profiling analyses of alpha-2-macroglobulin from different serum samples using lectin-based microarray. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 446, P160.

AFG38 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. An ultrasensitive glycan biosensor based on the Tn antigen for binding of a tumor-associated antibody 2C4. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 600, P329.

AFG39 LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Ultrasensitive H_2O_2 sensing by $Ti_3C_2T_x$ MXene modified glassy carbon electrode. In TRNKOVÁ, Libuše (ed.). Book of Abstracts: XVII. Workshop of Physical Chemists and Electrochemists, 30-31 May 2017, Brno, Czech Republic. Brno: Masaryk University, 2017, p. 19-20. ISBN 978-80-210-8580-0.

AFG40 MASTIHUBA, Vladimír. Glycophenolics - drugs inspired by nature. How can enzymes help to prepare them. In 14th International Life Science Meeting, April 5-6, 2017, IMC University of Applied Sciences Krems, Krems, Austria. Krems: plus ECO, 2017, p. 4.

AFG41 MASTIHUBOVÁ, Mária - CHYBA, Andrej - MASTIHUBA, Vladimír. Enzymatic hydroxycinnamoylations of phenylethanoid glycosides. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 74, P15.

AFG42 MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Efficient synthesis of hamamelitannin from D-ribose. In Proceedings: FP1306 COST Action Third Workshop & Fourth MC Meeting, 27-28 March 2017, Torremolinos, Spain. Cordoba: University of Cordoba, 2017, p. 60, P2.

AFG43 MIČOVÁ, Júlia - BURYI, Maksym - ŠIMEK, Daniel - NEYKOVA, Neda - CHANG, Yu-Ying - REMEŠ, Zdeněk. Synthesis, optical properties and crystal quality of different zinc oxide nanostructures. In Extended Abstract Book: Progress in Applied Surface, Interface and Thin Film Science 2017 (SURFINT–SREN V), November 20-23, 2017, Florence, Italy. Bratislava: Comenius University, 2017, p. 92-93. ISBN 978-80-223-4411-1.

AFG44 MIČOVÁ, Júlia - ŠTENCLOVÁ, Pavla - REMEŠ, Zdeněk. Surface modification of zinc oxide nanowires with polymer P3DDT. In E-MRS 2017 Spring Meeting, Symposium R, May 22-26, 2017, Strasbourg, France. Strasbourg: European Materials Research Society, 2017, p. R P1.28.

AFG45 MIRABELLA, Stefania - D'ADAMIO, Giampiero - GOTI, Andrea - MORENO-VARGAS, Antonio J. - ROBINA, Inmaculada - ŠESTÁK, Sergej - JIMÉNEZ-BARBERO, Jesús - CARDONA, Francesca. Mechanistic insight into binding of multivalent pyrrolidines to alpha-mannosidase. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 613, P346.

AFG46 MOSNÁČKOVÁ, Katarína - DWORAK, Claudia L. - ŠIŠKOVÁ, Alena -

KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - MIČUŠÍK, Matej - KASÁK, Peter - MOSNÁČEK, Jaroslav. Multilayered polymer-carbon nanotubes hybrids synthesized by surface RAFT polymerization. In *Programme: Fifth International Symposium: Frontiers in Polymer Science, May 17-19, 2017, Seville, Spain*. Amsterdam: Elsevier, 2017, p. [P1.126].

AFG47 MOSNÁČKOVÁ, Katarína - DWORAK, Claudia L. - MIČUŠÍK, Matej - ŠIŠKOVÁ, Alena - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - MOSNÁČEK, Jaroslav. Synthesis of polymer-grafted carbon nanotubes by combination of ROP and RAFT polymerization. In Book of Abstracts: 3rd World Congress on Materials Science, Engineering, Oil, Gas and Petrochemistry, August 24-26, 2017, Barcelona, Spain. Hyderabad: Scientific Future Group, 2017, p. 63.

AFG48 MOSNÁČKOVÁ, Katarína - DWORAK, Claudia L. - KLEINOVÁ, Angela - ŠIŠKOVÁ, Alena - SASINKOVÁ, Vlasta - MIČUŠÍK, Matej - KASÁK, Peter - MOSNÁČEK, Jaroslav. Partially biodegradable polymer hybrids based on MWNTs. In Brochure of the International Workshop on Polymer Science and Polymeric Materials, November 10, 2017, Zabrze, Poland. Zabrze: Centre of Polymer and Carbon Materials PAS, 2017, p. 19. ISBN 978-80-89841-06-6.

AFG49 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - KÚDELOVÁ, Marcela - ŠEDÝ, John R. - ZAJONC, Dirk M. Binding requirements for recognition of human immune receptor CD160 by herpesvirus entry mediator HVEM, the HVEM crystal structure and the molecular architecture of co-signaling molecules BTLA, gD and LIGHT. In Abstract Booklet: Instruct Biennial Structural Biology Meeting, 24-26 May, 2017, Brno, Czech Republic. Brno: CEITEC, 2017, p. 82-83.

AFG50 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - ŠEDÝ, John R. - ZAJONC, Dirk M. The crystal structure of herpesvirus entry mediator (HVEM) and its molecular signalling network. In Abstract Book: 6th International School on Biological Crystallization (ISBC Granada 2017), May 29-June 2, 2017, Granada, Spain. Granada: IACT (CSIC-UGR), 2017, p. 147, P21.

AFG51 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - KÚDELOVÁ, Marcela - ŠEDÝ, John R. - ZAJONC, Dirk M. Molecular binding characteristics of recombinant NK cell receptor CD160 and the crystal structure of the herpesvirus entry mediator HVEM. In GRUBHOFFER, Libor - RŮŽEK, Daniel - ČERNÝ, Jiří (eds.). Book of Abstracts: CzechoSlovak Virology Conference 2017, February 16-17, 2017, České Budějovice, Czech Republic. České Budějovice: Biologické centrum AV ČR, v.v.i., 2017, p. 53-54. ISBN 978-80-86668-44-4.

AFG52 PACHOLAK, Amanda - SMUŁEK, Wojciech - ZDARTA, Agata - HRICOVÍNIOVÁ, Zuzana - KACZOREK, Ewa. The impact of xylose based surfactants on environmental microorganisms. In Targi w Krakowie (ed.). Program and Abstract Book: EUROBIOTECH: 6th Central European Congress of Life Sciences, September 11-14, 2017, Krakow, Poland. Krakow: Targi w Krakowie, 2017, p. 101, L4.5.

AFG53 PAWLACZYK-GRAJA, Izabela - ZIEWIECKI, Rafał - BALICKI, Sebastian - CAPEK, Peter - GANCARZ, Roman. Glycoconjugates of the selected medicinal plants with anticoagulant activity mediated by antithrombin or heparin cofactor II. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 131, OL13.

AFG54 PAWLACZYK-GRAJA, Izabela - ZIEWIECKI, Rafał - BALICKI, Sebastian - TSIRIGOTIS-MANIECKA, Marta - CAPEK, Peter - MATULOVÁ, Mária - GANCARZ, Roman - WILK, Kazimiera Anna. Technologia separacji glikokoniugatów polifenolowych na przykładzie surowca z ziela poziomki pospolitej (Separation technology of polyphenolic glycoconjugates on the example of Fragaria

vesca L. as a source). In WOJACZYŃSKI, Jacek - WOJACZYŃSKA, Elżbieta - BAZYLIŃSKA, Urszula - GLISZCZYŃSKA, Anna (eds.). Materiały Zjazdowe: 60. Zjazd Polskiego Towarzystwa Chemicznego (60th Meeting of the Polish Chemical Society), September 17-21, 2017, Wrocław, Poland. Wrocław: Politechnika Wrocławska, 2017, p. 365, S05K08.

AFG55 PUCHART, Vladimír - BIELY, Peter. Isolation and enzymatic hydrolysis of recalcitrant structures of hardwood acetylglucuronoxylan. In Book of Abstracts: 12th Carbohydrate Bioengineering Meeting (CBM12), April 23-26, 2017, Vienna, Austria. Graz: acib GmbH, 2017, p. 189, P 088.

AFG56 PUCHART, Vladimír - BIELY, Peter. Hardwood glucuronoxylan selectively 3-O-acetylated on uronic acid-substituted xylopyranosyl residues and its hydrolysis by xylanases. In *Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain*. Barcelona: University Ramon Llull, 2017, p. 455, P169.

AFG57 SLÁDEK, Vladimir - YAMAMOTO, Yuta - TAKEI, Kenta - NAKAGAWA, Yoshimi - SHIMANO, Hitoshi - TOKIWA, Hiroaki. *In silico* binding analysis of PGC-1α interaction with peroxisome proliferator-activated RECPTORα modulators. In Book of Abstracts: EUCO-TCC 2017: 11th European Conference on Theoretical and Computational Chemistry, 4-7 September, Barcelona, Spain. Barcelona: Societat Catalana Química, 2017, p. 158, P64.

AFG58 SPIŠÁKOVÁ, Mária - BELLA, Maroš - KOÓŠ, Miroslav. Synthesis of potential inhibitor of alpha-mannosidase II designed by computational methods. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 375, P84.

AFG59 STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - STRATILOVÁ, Eva. Cielená modifikácia akceptorovej špecificity majoritnej formy enzýmu xyloglukán endotransglykozyláza z klíčiacich semien Tropaeolum majus. In Program a sborník abstraktů: 5. Neformální proteomické setkání, 30.11.-1.12.2017, Brno, Česká republika. Brno: Přírodovědecká fakulta Masarykovy univerzity, 2017, s. 48, Pá-MP6.

AFG60 STRATILOVÁ, Eva - STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav. Modifikácia štruktúry enzýmu xyloglukán endotransglykozyláza zameraná na jej schopnosť katalyzovať transfer fragmentov xyloglukán-celulózovej siete do pektínu. In Program a sborník abstraktů: 5. Neformální proteomické setkání, 30.11.-1.12.2017, Brno, Česká republika. Brno: Přírodovědecká fakulta Masarykovy univerzity, 2017, s. 49, Pá-MP7.

AFG61 STUCHLÍK, Jiří - REMEŠ, Zdeněk - STUCHLÍKOVÁ, The Ha - MIČOVÁ, Júlia. The preparation and functionalization of hybrid nanoparticles. In Program Book: ICANS 27: The 27th International Conference on Amorphous and Nanocrystalline Semiconductors, 21-25 August 2017, Seoul, Korea. Seoul: The Korean Information Display Society, 2017, p. 68, P2-5.

AFG62 ŠUTOVSKÁ, Martina - CAPEK, Peter - KOČMÁLOVÁ, Michaela - FRAŇOVÁ, Soňa. Chemical analysis and pharmacodynamic study of Wollea saccata biopolymer effect on respiratory system. In International Conference on the Mechanism of Action of Nutraceuticals, September 27-29, 2017, Aberdeen, Scotland. In Biochemical Pharmacology, 2017, vol. 139, p. 140, P42. ISSN 0006-2952.

AFG63 ŠUTOVSKÁ, Martina - KOČMÁLOVÁ, Michaela - ŠUTOVSKÝ, Ján - JOŠKOVÁ, Martina - PAPPOVÁ, Lenka - CAPEK, Peter - FRAŇOVÁ, Soňa. Echinacea purpurea - a source of glycoconjugate with bronchodilating and anti-inflammatory effects. In Abstract Booklet: 3rd Drug Discovery Re-Invented: Emerging Role of Biotechs, Academics and Non-Profits, February 21-24, 2017,

Cancun, Mexiko. Snailwell-Newmarket, UK: Fusion Conferences Ltd, 2017, s. 54-56.

AFG64 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan. Nanoscale controlled architecture of biosensors for glycan recognition applied in diagnostics. In Program and Book of Abstracts: BIOSENSOR 2017: 1st European & 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany. Potsdam: University of Potsdam, 2017, p. 112, O60.

AFG65 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Electrochemical biosensors based on glycan analysis applicable in diagnostics of various diseases including cancer. In Delegate Programme Booklet: 5th International Conference on Bio-Sensing Technology, 7-10 May 2017, Riva del Garda, Italy. Amsterdam: Elsevier, 2017, p. [O04].

AFG66 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HUSHEGYI, András - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Ultrasensitive analysis using electrochemical lectin and glycan biosensors applied in diagnostics. In Scientific Program & Abstract Book: 19th European Carbohydrate Symposium EUROCARB, July 2-6, 2017, Barcelona, Spain. Barcelona: University Ramon Llull, 2017, p. 736, P488.

AFG67 VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Marta - STRATILOVÁ, Eva - STRATILOVÁ, Barbora. Yeasts and yeast-like organisms inhabiting the soil adjacent to fruit trees. In ŠVEC, Pavel - KRÁLOVÁ, Stanislava - LAICHMANOVÁ, Monika - SEDLÁČEK, Ivo (eds.). Abstracts: XXXVI Annual Meeting of the European Culture Collections' Organisation (ECCO 2017), 13-15 September, 2017, Brno, Czech Republic. Brno: Tribun EU, s.r.o., 2017, p. 59, P14. ISBN 978-80-263-1327-4.

AFG68 YAMAMOTO, Yuta - SLÁDEK, Vladimir - ARULMOZHIRAJA, Sundaram - HAYAMIZU, Kohsuke - NAKANO, Shogo - ITO, Sohei - WATANABE, Yasuo - YAMADA, Shizuo - TOKIWA, Hiroaki. Molecular basis of ligand interaction of GPR40/GPR120 based on FMO calculations with multiple sequence analysis. In Book of Abstracts: WATOC2017: 11th Triennial Congress of the World Association of Theoretical and Computational Chemistry, August 27-September 1, 2017, Munich, Germany. Munich: Ludwig-Maximilians-Universität, 2017, p. PO3-53.

AFG69 YAMAMOTO, Yuta - SLÁDEK, Vladimir - TAKEI, Kenta - NAKAGAWA, Yoshimi - SHIMANO, Hitoshi - TOKIWA, Hiroaki. In silico binding analysis of novel selective peroxisome proliferator-activated RECPTORα modulators (SPPARMα). In Book of Abstracts: EUCO-TCC 2017: 11th European Conference on Theoretical and Computational Chemistry, 4-7 September, Barcelona, Spain. Barcelona: Societat Catalana Química, 2017, p. 170, P76.

AFH Abstrakty príspevkov z domácich konferencií

AFH01 BARÁTH, Marek - HIRSCH, Ján - PUCHART, Vladimír - BIELY, Peter. Potential chromogenic substrate for GH30 glucuronoxylanases – a total synthesis. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 99, 5P01. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH02 BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRIGUEZ, Julia - O'KENNEDY, Richard - TKÁČ, Ján. Rekombinantné fragmenty protilátok využité v biosenzoroch pre spoľahlivejšiu diagnostiku rakoviny prostaty. In FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia

mladých vedcov 2017. Banská Bystrica: Občianske združenie PREVEDA, 1.5.-15.6.2017. Abstrakt č. 1586. ISBN 978-80-972360-1-4.

AFH03 BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - TKÁČ, Ján - KASÁK, Peter. Preparation of nanostructured interfaces and their use in biorecognition. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 30, P1. ISBN 978-80-8147-081-3.

AFH04 ČAPLOVIČ, Ján. Spomienka na profesora Mikuláša Furdíka (1905 – 1967). In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 119, 8P07. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH05 DAMBORSKÝ, Pavel - KOCZULA, Katarzyna M. - GALLOTTA, Andrea - KATRLÍK, Jaroslav. Lectin-based lateral flow assay biosensor for glycoprofiling of prostate-specific antigen. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 79, P7. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH06 DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Killer activity of yeasts associated with the soil adjacent to fruit trees. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 55, P6. ISSN 1336-4839.

AFH07 FARKAŠ, Pavol - ČÍŽOVÁ, Alžbeta - PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema - BYSTRICKÝ, Slavomír. Simple preparation of labelled mannan–peptide as model for immune cell processing. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 76, P4. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH08 FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. A new catalytic activity of Aureobasidium pullulans – production of glucuronoyl esterase. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 36, L21. ISSN 1336-4839.

AFH09 FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Glucuronoyl esterases – enzymes with unexplored biotechnological potential. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 53, OP15. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH10 HÁRONIKOVÁ, Andrea - SAMEK, Ota - GONOVÁ, D. - KRZYŽÁNEK, Vladislav - BREIEROVÁ, Emília - MÁROVÁ, Ivana. Monitoring of pulcherrimin and lipid production by Metschnikowia strains. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 47, PH6. ISSN 1336-4839.

AFH11 HLOUŠKOVÁ, Zuzana - CAPEK, Peter - DVUREČENSKIJ, Andrej - CAPEK, Ignác. Natural products based therapeutics. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 154, 3Po03. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN

1336-7242.

AFH12 HĽASOVÁ, Zuzana - MIERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Determination of activity of neuraminidases and their inhibitors by lectin-based assay. In CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). Book of Abstracts: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Trnava, Slovakia. Trnava: University of SS. Cyril and Methodius in Trnava, 2017, p. 70. ISBN 978-80-8105-864-6.

AFH13 HOLKOVÁ, Ivana - PAŠKOVÁ, Ľudmila - BILKA, František - POLÁKOVÁ, Monika - KÓŇA, Juraj. Evaluation of the inhibitory effect of synthetic carbohydrate-based compounds on α-mannosidase activity and cytotoxicity study in HepG2 cell line. In PLANKOVÁ, Alexandra - JEŽKO, Pavol - MARÁKOVÁ, Katarína (eds.). Book of Abstracts: 46th EuroCongress on Drug Synthesis and Analysis, September 5-8, 2017, Bratislava, Slovakia. Bratislava: Comenius University in Bratislava, 2017, p. 86-87. ISBN 978-80-223-4388-6.

AFH14 HORVÁTHOVÁ, Eva - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - BOHÁČ, Andrej - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária. Structure-activity relationship of tyrosol glycosides studied by cell-free assays and in human cells cultured in vitro. In GÁBELOVÁ, Alena - ŠRAMKOVÁ, Monika (eds.). Book of Abstracts: Bilateral Czech and Slovak Workshop: Genetic Toxicology and Cancer Prevention, June 12-15, 2017, Smolenice, Slovakia. Bratislava: Cancer Research Institute BMC, 2017, p. 15. ISBN 978-80-972247-2-1.

AFH15 HORVÁTHOVÁ, Eva - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - BOHÁČ, Andrej - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária. Synthesis of tyrosol glycosides and their structure–activity relationship study in biochemical assays and in human cells in vitro. In Abstracts of the 53rd Congress of the European Societies of Toxicology (EUROTOX), September 10-13, 2017, Bratislava, Slovakia. In Toxicology Letters, 2017, vol. 280, Suppl. 1, p. S118, P-03-02-15. ISSN 0378-4274.

AFH16 HRICOVÍNI, Michal - KOZICS, Katarína - SRANČÍKOVÁ, Annamária - HRICOVÍNIOVÁ, Zuzana. Quinazolinone Schiff bases as potential anticancer agents: Synthesis, spectroscopic properties and biological evaluation. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 172, 5Po11. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH17 HRICOVÍNI, Miloš. Theoretical and experimental analysis of heparin pentasaccharide. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 149-150, 2Po04. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH18 HRICOVÍNI, Miloš. Analysis of protein-carbohydrate interactions by NMR spectroscopy. In Abstracts: INSTRUCT ULTRA Structural Biology Meeting, October 18, 2017, Bratislava, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 17. ISBN 978-80-971156-5-4.

AFH19 CHOCHOLOVÁ, Erika, Došeková - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. New impedimetric lectin biosensor in array format for analysis of human IgG samples isolated from patients suffering from rheumatoid arthritis. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 68, FP8. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH20 CHOCHOLOVÁ, Erika, Došeková - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ,

Ján. Toward detection of rheumatoid arthritis by analyzing of human IgG's glycans with an impedimetric lectin biosensor in an array format. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 28, O3. ISBN 978-80-8147-081-3.

AFH21 CHOCHOLOVÁ, Erika, Došeková - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Analýza vzoriek ľudských IgG pomocou impedimetrického lektínového biosenzora v array formáte. In Zborník príspevkov a program: Drobnicov memoriál 9. ročník, Danišovce, 12.-14. september 2017. Bratislava: Ústav molekulárnej fyziológie a genetiky Centra biovied SAV, 2017, s. 49. ISBN 978-80-972752-0-4.

AFH22 JAKUBČINOVÁ, Jana - BARÁTH, Marek. Synthesis of saccharide precursors suitable for preparation of potential inhibitors of glycosyltransferases. In FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 2017. Banská Bystrica: Občianske združenie PREVEDA, 1.5.- 15.6.2017. Abstrakt č. 1537. ISBN 978-80-972360-1-4.

AFH23 JAKUBČINOVÁ, Jana - HIRSCH, Ján - TVAROŠKA, Igor - BARÁTH, Marek. Chemická syntéza prekurzorov vhodných pre prípravu inhibítorov glykozyltransferáz. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 173, 5Po13. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH24 JÁNÉ, Eduard - VELIČ, Dušan - TKÁČ, Ján - KASÁK, Peter. EIS study of multilayer films: analytical and numerical simulations. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 32, P3. ISBN 978-80-8147-081-3.

AFH25 JANOŠ, Pavel - TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Glycosyltransferase reaction mechanism compared by different QM/MM approaches. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 84, P12. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH26 JURNEČKOVÁ, Alena - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Biotyping of ascomycetous yeasts. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 43, PH2. ISSN 1336-4839.

AFH27 KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The effects of galactoglucomannan oligosaccharides on antioxidative enzymes activity in maize grown in contamined conditions. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 82, P10. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH28 KARKESZOVÁ, Klaudia - ZÁHORCOVÁ, Vlasta - MASTIHUBA, Vladimír. Enzýmové acetylácie kyseliny kojovej. In FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 2017. Banská Bystrica: Občianske združenie PREVEDA, 1.5.- 15.6.2017. Abstrakt č. 1549. ISBN 978-80-972360-1-4.

AFH29 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - KIS, Peter -

MASTIHUBA, Vladimír. Enzýmová príprava prírodných fenyletanoidných glykozidov a ich analógov. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 122-123, 9P04. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH30 KATRLÍK, Jaroslav - DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová. Biochips for determination of protein glycosylation in biology, biomedicine and diagnostics. In Book of Abstracts: Workshop of the Slovak Academy of Sciences with the National University of Singapore, the Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), March 13-17, 2017, Smolenice Castle, Slovakia. Bratislava: Slovak Academy od Sciences, 2017, p. 30.

AFH31 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran - ŠUNDERIĆ, Miloš - ROBAJAC, Dragana - NEDIĆ, Olgica. Determination of protein glycosylation by lectin-based glycoprotein microarrays. In Proceedings of the 11th Central and Eastern European Proteomic Conference (CEEPC 2017), September 27-29, 2017, Košice, Slovakia. Košice: COPYVAIT, 2017, p. 99. ISBN 978-80-972017-5-3.

AFH32 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - - MUCHA, Ján. Lectin-based protein microarray as tool for glyco-biomarker analysis: focus on congenital disorder of glycosylation. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 64, FP4. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH33 KLUNDA, Tomáš - ŠESTÁK, Sergej - POLÁKOVÁ, Monika - KÓŇA, Juraj. Synthesis of potential inhibitors of alpha-mannosidases from the GH38 family. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 81, P9. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH34 KÓŇA, Juraj - POLÁKOVÁ, Monika - ŠESTÁK, Sergej - KLUNDA, Tomáš - SLÁDEK, Vladimír - BELLA, Maroš - GURSKÁ, Soňa - DŽUBÁK, Petr. Search of selective inhibitors of Golgi α-mannosidase II. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 57, OP19. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH35 KOZMON, Stanislav. Diverse reaction pathways of the O-GlcNAc transferase. In Abstracts: INSTRUCT ULTRA Structural Biology Meeting, October 18, 2017, Bratislava, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 17. ISBN 978-80-971156-5-4.

AFH36 KREGIEL, Dorota - BREIEROVÁ, Emília - PAWLIKOWSKA, Ewelina. Biodiversity of Metschnikowia pulcherrima collection strains with potential as a biocontrol agent. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 54, P5. ISSN 1336-4839.

AFH37 KRIŽÁKOVÁ, Martina, Zámorová - ŠUNDERIĆ, Miloš - MALENKOVIĆ, Vesna - NEDIĆ, Olgica - KATRLÍK, Jaroslav. Glycan profiling analyses of alpha-2-macroglobulin from different serum samples using lectin-based microarray. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava

Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 69, FP9. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH38 KUSÁ, Zuzana - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The response of protoplasts from two maize hybrid on abiotic stress. In Book of Abstracts: 14th International Student Conference of Experimental Plant Biology, 7-8 September 2017, Bratislava, Slovakia. In Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti, 2017, roč. 17, č. 1, s. 45-46, P4-2. ISSN 1213-6670.

AFH39 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. Detection of a tumor-associated antibody 2C4 by a glycan biosensor based on the Tn antigen. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 65, FP5. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH40 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. The Tn antigen as a part of glycan based biosensor for detection of tumorassociated antibody GOD3-2C4. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 29, O4. ISBN 978-80-8147-081-3.

AFH41 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSON, Bo - TKÁČ, Ján. Tn antigen ako biosenzor na diagnostiku tumor asociovanej protilátky GOD3-2C4. In Zborník príspevkov a program: Drobnicov memoriál 9. ročník, Danišovce, 12.-14. september 2017. Bratislava: Ústav molekulárnej fyziológie a genetiky Centra biovied SAV, 2017, s. 45. ISBN 978-80-972752-0-4.

AFH42 LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Interaction of cadmium and silicon in poplar calli. In Book of Abstracts: 14th International Student Conference of Experimental Plant Biology, 7-8 September 2017, Bratislava, Slovakia. In Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti, 2017, roč. 17, č. 1, s. 27-28, L4-2. ISSN 1213-6670.

AFH43 LAHO, Maroš - ŠEDIVÁ, Mária - KLAUDINY, Jaroslav. Chov lariev včely medonosnej v laboratórnych podmienkach. In FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 2017. Banská Bystrica: Občianske združenie PREVEDA, 1.5.- 15.6.2017. Abstrakt č. 1660. ISBN 978-80-972360-1-4.

AFH44 LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Novel perspective nanomaterials in sensing applications. In HIANIK, Tibor (ed.). Program, Abstracts and Practical Courses: International School: Electrochemical and acoustic methods in bioanalysis, September 24-27, 2017, Bratislava, Slovakia. Bratislava: Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, 2017, p. 31, P2. ISBN 978-80-8147-081-3.

AFH45 MOJTOVÁ, Nikola - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Optimalizácia enzymatickej syntézy etyl-alfa-galaktozidu. In FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 2017. Banská Bystrica: Občianske združenie PREVEDA, 1.5.- 15.6.2017. Abstrakt č. 1683. ISBN 978-80-972360-1-4.

AFH46 MUCHA, Ján - PAKANOVÁ, Zuzana - MATULOVÁ, Mária - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BARÁTH, Peter. High-resolution

glyco-profiling in the investigation of disorders with impaired glycosylation biopocesing. In Book of Abstracts: Workshop of the Slovak Academy of Sciences with the National University of Singapore, the Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), March 13-17, 2017, Smolenice Castle, Slovakia. Bratislava: Slovak Academy od Sciences, 2017, p. 6.

AFH47 NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - BARÁTH, Peter - ŠESTÁK, Sergej - ŠALINGOVÁ, Anna - BEHULOVÁ, Darina - MUCHA, Ján. Glycomic and genomic approach in a clinical case of suspected Slovakian CDGx patient. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides “Glycochemistry for biology and medicine”, June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 45, OP7. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH48 NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BARÁTH, Peter - MUCHA, Ján. High-throughput glycan analysis of patient serum samples by MALDI-TOF/TOF. In LYSÁKOVÁ, Veronika - FEDUNOVÁ, Diana - BEDNÁRIKOVÁ, Zuzana - NIKOROVIČ, Matej - GANČÁR, Miroslav - ULIČNÁ, Katarína - ŠIPOSOVÁ, Katarína (eds.). Book of Contributions: 10th International Conference "Structure and Stability of Biomacromolecules" (SSB 2017), September 4-7, 2017, Košice, Slovakia. Košice: Institute of Experimental Physics SAS, 2017, p. 119. ISBN 978-80-89656-19-6.

AFH49 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - ŠEDÝ, John - ZAJONC, Dirk. Molecular binding requirements for recognition of herpesvirus entry mediator HVEM by human immune receptor CD160. In LYSÁKOVÁ, Veronika - FEDUNOVÁ, Diana - BEDNÁRIKOVÁ, Zuzana - NIKOROVIČ, Matej - GANČÁR, Miroslav - ULIČNÁ, Katarína - ŠIPOSOVÁ, Katarína (eds.). Book of Contributions: 10th International Conference "Structure and Stability of Biomacromolecules" (SSB 2017), September 4-7, 2017, Košice, Slovakia. Košice: Institute of Experimental Physics SAS, 2017, p. 120. ISBN 978-80-89656-19-6.

AFH50 PAKANOVÁ, Zuzana - BARÁTH, Peter - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - ŠESTÁK, Sergej - MATULOVÁ, Mária - MUCHA, Ján. Využitie HPLC-MALDI TOF/TOF analýzy derivatizovaných glykánov v diagnostike porúch metabolizmu glykokonjugátov. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 134-135, Sh05. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH51 PAKANOVÁ, Zuzana - MATULOVÁ, Mária - PÄTOPRSTÝ, Vladimír - ŠALINGOVÁ, Anna - BEHÚLOVÁ, Darina - JURÍČKOVÁ, Katarína - HLAVATÁ, Anna - MUCHA, Ján. Diagnostika a monitorovanie účinnosti terapie Pompeho ochorenia s využitím hmotnostnej spektrometrie a ^{1}H NMR. In Odborný program a abstrakty: 6. Slovenská konferencia o zriedkavých chorobách, 9. november 2017, Bratislava. In Via Practica, 2017, roč. 14, Suppl. 2, s. 35-36. ISSN 1336-930X.

AFH52 PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Extracellular enzyme activities of soil yeasts. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 45, PH4. ISSN 1336-4839.

AFH53 PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Optimization of assay for screening of yeast chitinases. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017,

Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 76, P28. ISSN 1336-4839.

AFH54 PETRUŠ, Ladislav - PRIBULOVÁ, Božena - SMRTIČOVÁ, Hana - VLČKOVÁ, Silvia - PETRUŠOVÁ, Mária. Toward synthesis of hexa-anhydro-cyclododecane-dodecol, sugar-based analogue of dodecahedrane possesing a cavity for hydrogen bonding. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 39, OP1. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH55 PETRUŠOVÁ, Mária - SMRTIČOVÁ, Hana - PRIBULOVÁ, Božena - KÓŇA, Juraj - MATULOVÁ, Mária - ŠESTÁK, Sergej - MUCHA, Ján - KOŽÍŠEK, Jozef - PETRUŠ, Ladislav. Synthesis of mimetics of the transition state of inverting glycosyltransferases. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 86, P14. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH56 RADOŠINSKÁ, Jana - MÉZEŠOVÁ, Lucia - OKRUHLICOVÁ, Ľudmila - FRIMMEL, Karel - BREIEROVÁ, Emília - BARTEKOVÁ, Monika - VRBJAR, Norbert. Vplyv karotenoidov na vybrané charakteristiky erytrocytov u zdravých potkanov a u potkanov vystavených podaniu LPS. In ŠVORC, Pavol - KUNDRÍK, Martin (eds.). Zborník abstraktov z 93. Fyziologických dní, 31. 1.-2. 2. 2017, Košice, Slovensko. Prešov: Universum, 2017, s. 106. ISBN 978-80-89046-98-0.

AFH57 SCHENKMAYEROVÁ, Andrea - BALCOMB, Blake - STRAUSS, Erick. Redox regulation as an antistaphylococcal drug target. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 63, FP3. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH58 SLÁDEK, Vladimir - KÓŇA, Juraj - TOKIWA, Hiroaki. Interaction pattern switching in ligand···receptor binding in Golgi α-mannosidase II induced by inhibitors protonation state. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 58, OP20. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH59 SMRTIČOVÁ, Hana - PRIBULOVÁ, Božena - BARÁT, Jakub - PÄTOPRSTÝ, Vladimír - MAGDOLEN, Peter - MASTIHUBA, Vladimír - POLÁKOVÁ, Monika - PETRUŠOVÁ, Mária - PETRUŠ, Ladislav. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 85, P13. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH60 SPIŠÁKOVÁ, Mária - BELLA, Maroš - KOÓŠ, Miroslav. Syntéza potenciálneho inhibítora alfa-manozidázy II navrhnutého pomocou molekulového modelovania. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 183-184, 5Po32. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH61 STRATILOVÁ, Barbora - PERNICOVÁ, Ivana - PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Polygalacturonases of yeasts associated with natural environments. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 63, P15. ISSN

1336-4839.

AFH62 STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - STRATILOVÁ, Eva. Modulating the xyloglucan endotransglycosylase acceptor specificity by structure-based protein engineering. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 89, P17. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH63 ŠEDIVÁ, Mária - LAHO, Maroš - BRTKOVÁ, Andrea - KOPERNICKÝ, Ján - KLAUDINY, Jaroslav. Eric genotyping of honeybee pathogen *Paenibacillus larvae* occuring in Slovakia. In MIŠTINA, Juraj - JURINOVÁ, Jana (eds.). Book of Abstracts: ANS 2017: The 6th Biennial International Scientific Conference Applied Natural Sciences 2017, September 27-29, 2017, Jasná, Low Tatras, Slovakia. Trnava: University of SS. Cyril and Methodius in Trnava, 2017, p. 80. ISBN 978-80-8105-547-8.

AFH64 ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. The effects growth-promoting auxin concentration on the root cell wall composition. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 91, P19. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH65 TKÁČ, Ján - BERTÓK, Tomáš - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip - KASÁK, Peter. Application of biosensors in glycoprofiling of cancer biomarkers. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 47, OP9. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH66 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - HOLAZOVÁ, Alena - BELLA, Vladimír. Možnosti využitia analýzy glykoproteínov v diagnostike rakoviny prsníka. In 22. medzinárodná pracovná konferencia SEKCAMA, 18.-19. máj 2017, Bratislava, Slovensko. Bratislava: SEKCAMA, Slovenská onkologická spoločnosť, 2017, s. 5.

AFH67 TKÁČ, Ján - BERTÓK, Tomáš - KLUKOVÁ, Ľudmila - PIHÍKOVÁ, Dominika - BELICKÝ, Štefan - CHOCHOLOVÁ, Erika, Došeková - KVĚTOŇ, Filip. Construction of ultrasensitive impedimetric biosensors with controlled architecture at nanoscale: Application in glycomics and diagnostics. In Book of Abstracts: Workshop of the Slovak Academy of Sciences with the National University of Singapore, the Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), March 13-17, 2017, Smolenice Castle, Slovakia. Bratislava: Slovak Academy od Sciences, 2017, p. 29.

AFH68 TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - BELICKÁ, Ľudmila - HOLAZOVÁ, Alena - CHOCHOLOVÁ, Erika, Došeková - KVĚTOŇ, Filip - KASÁK, Peter. Nanomaterials employed for electrochemical sensing, biosensing and energy applications. In STRAKOVÁ FEDORKOVÁ, Andrea - PETRUŠ, Ondrej (eds.). Book of Abstracts: The 3rd International Conference on Nanomaterials: Fundamentals and Applications, October 9-11, 2017, Štrbské Pleso, High Tatras, Slovakia. Košice: NFA 2017, 2017, p. 54. ISBN 978-80-8152-530-8.

AFH69 TKÁČ, Ján - DAMBORSKÁ, Dominika - KUBÁNIKOVÁ, Petra - SOKOL, Roman. Využitie analýzy glykánov v diagnostike rakoviny prostaty. In Abstrakty: 24. výročná konferencia Slovenskej urologickej spoločnosti SLS a konferencia sestier pracujúcich v urológii pri SLS, 7.-9. jún 2017, Trenčianske Teplice, Slovensko. In Klinická urológia, 2017, roč. 13, č. 2, s. 92. ISSN 1336-7579.

AFH70 TURJAN, Jozef - PUJOL, Carlos Alberto - DAMONTE, Elsa Beatriz - KOZÁK, Ján - CAPEK, Peter. Biological effect of beech glucuronoxylan sulfates. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 196, 6Po16. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH71 UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - PÄTOPRSTÝ, Vladimír - KORMANEC, Ján. Structural characterization of two intermediate biosynthetic products of angucycline antibiotic auricin from Streptomyces aureofaciens CCM 3239. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 146, 1Po17. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFH72 VADINOVÁ, Kristína, Kováčová - FARKAŠ, Vladimír. Two variants of a high-throughput microplate assay of polysaccharide endotransglycosylases. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 57, P8. ISSN 1336-4839.

AFH73 VADINOVÁ, Kristína, Kováčová - FARKAŠ, Vladimír. Two fluorescent microplate assays of polysaccharide transglycosylases. In KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia. Bratislava: Institute of Chemistry SAS, 2017, p. 77, P6. ISBN 978-80-971156-3-0. ISSN 1339-7036.

AFH74 VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana. Verification of yeast species originated from southwest Slovakia. In HAPALA, Ivan - BREIEROVÁ, Emília (eds.). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, 2017, p. 70, P22. ISSN 1336-4839.

AFH75 VATEHOVÁ, Zuzana - MALOVÍKOVÁ, Anna - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Cadmium distribution in maize plants. In 69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko. In ChemZi, 2017, roč. 13, č. 1, s. 207, 9Po13. Bratislava: Slovenská chemická spoločnosť, 2017. ISSN 1336-7242.

AFK Postery zo zahraničných konferencií

AFK01 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján - NEDIĆ, Olgica. Application of lectin-based protein microarray in glyco-biomarker research. In Conference "Validation of biomarkers": Bridging the innovation gap through integrated technologies, October 6, 2017, Rotterdam, The Netherlands.

FAI Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy ...)

FAI01 FERKO, Miroslav - FARKAŠ, Pavol (editori). Preveda interaktívna konferencia mladých vedcov 2017 (Preveda Interactive Conference of Young Scientists): Book of Abstracts. Banská Bystrica: Občianske združenie PREVEDA, 2017. ISBN 978-80-972360-1-4.

FAI02 HAPALA, Ivan - BREIEROVÁ, Emília (editori). Program and Abstracts: 44th Annual Conference on Yeast, May 2-5, 2017, Smolenice, Slovakia. Bratislava: Yeast Commission, Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2017. 90 s. ISSN

1336-4839.

FAI03 HRICOVÍNI, Miloš (editor). INSTRUCT ULTRA Structural Biology Meeting, 18. október 2017, Bratislava. Bratislava: Institute of Chemistry SAS, 2017. ISBN 978-80-971156-5-4.

FAI04 FERKO, Miroslav - FARKAŠ, Pavol (editori). Nové strategické prístupy v experimentálnej kardioprotekcii. Banská Bystrica: Občianske združenie PREVEDA, 2016. 90 s. ISBN 978-80-970712-9-5.

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 BERTÓK, Tomáš - BARTOŠOVIČOVÁ, Marta. Od lepiacej pásky k medicíne. In Quark, 2017, roč. XXIII, č. 10, s. 18-19. ISSN 1335-4000.

GII02 BIELY, Peter. 14th International Congress on Yeasts, 12. - 15. IX. 2016, Awaji Yumebutai, Japonsko. In *Bulletin Československej spoločnosti mikrobiologickej*, 2016, roč. LVII, č. 4, s. 160-161. ISSN 0009-0646.

GII03 ČAPLOVIČ, Ján. Bratia Farkasovci: Ich cesta fyzikálnou chémiou, chemickou fyzikou a svetom. In Československý časopis pro fyziku, 2016, roč. 66, č. 6, s. 377-379. ISSN 0009-0700

GII04 FARKAŠ, Pavol - ALFÖLDYOVÁ, Barbora - KORCOVÁ, Jana - PAULOVIČOVÁ, Lucia - ČÍŽOVÁ, Alžbeta. V kráľovstve chémie. In Quark, 2017, roč. XXIII, č. 10, s. 41. ISSN 1335-4000.

GII05 HRICOVÍNIOVÁ, Zuzana - BÍLIKOVÁ, Katarína. Bílikova reakcia. In ChemZi, 2017, roč. 13, č. 1, s. 6. ISSN 1336-7242.

GII06 PODSTUPKA, Martin - BIELY, Peter. Príroda vedcom odpovedá rôznym spôsobom. In Akadémia: Správy SAV. 2017, roč. 53, č. 4, s. 5-7. ISSN 0139-6307.

GII07 PODSTUPKA, Martin - MUCHA, Ján - PÄTOPRSTÝ, Vladimír. Centrum glykomiky využilo príležitosť. In Akadémia: Správy SAV, 2017, roč. 53, č. 1, s. 16-17. ISSN 0139-6307.

GII08 PODSTUPKA, Martin - TKÁČ, Ján. Sloboda dovolí robiť kvalitné veci. In ChemZi, 2016, roč. 12, č. 2, s. 22-24. ISSN 1336-7242.

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Chemical Papers. Milan Polakovič (hlavný redaktor), Ján Hirsch (editorial manager). Editorial Office: Chemický ústav SAV, Bratislava. Publisher: Springer-Verlag, Heidelberg (od r. 2017). ISSN 0366-6352 (Print), 1336-9075 (Online). 12 čísiel/rok. IF2016: 1.258.

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

Ing. Miloš Hricovíni, PhD.
Názov semestr. predmetu: Rezonančná spektroskopia (4. a 5. roč. Mgr. štúdia, študijný odbor Fyzikálna chémia)
Počet hodín za semester: 12
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra fyzikálnej chémie

RNDr. Desana Lišková, PhD.
Názov semestr. predmetu: Regulačné molekuly v raste, morfogenéze a obranných procesoch rastlín (1. ročník Mgr. štúdia, študijný odbor Biológia)
Počet hodín za semester: 12
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra fyziológie rastlín

doc. Ing. Ladislav Petruš, DrSc.
Názov semestr. predmetu: Chémia prírodných látok (5. roč. Mgr. štúdia)
Počet hodín za semester: 6
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Semestrálne cvičenia:

Mgr. Jana Jakubčinová
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie (1. roč. Bc. štúdia)
Počet hodín za semester: 28
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Mgr. Jana Jakubčinová
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie (1. roč. Bc. štúdia)
Počet hodín za semester: 39
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Mgr. Jana Jakubčinová
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie (2. roč. Bc. štúdia)
Počet hodín za semester: 28
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Ing. Peter Kis
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie (2. roč. Bc. štúdia)
Počet hodín za semester: 5
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Oddelenie organickej chémie, Ústav organickej chémie, katalýzy a petrochémie

Ing. Peter Kis
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie II (2. roč. Bc. štúdia)
Počet hodín za semester: 35
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Oddelenie organickej chémie, Ústav organickej chémie, katalýzy a petrochémie

Mgr. Maroš Laho
Názov semestr. predmetu: Základné cvičenia z mikrobiológie (2. roč. Bc. štúdia, učiteľský smer Biológia a iný predmet)
Počet hodín za semester: 24
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra mikrobiológie a virológie

Mgr. Maroš Laho
Názov semestr. predmetu: Základné cvičenia z mikrobiológie (2. roč. Bc. štúdia, učiteľský smer Biológia a iný predmet)
Počet hodín za semester: 24
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra mikrobiológie a virológie

Ing. Vladimír Mastihuba, PhD.
Názov semestr. predmetu: Semestrálny projekt II (1. roč. Ing. štúdia)
Počet hodín za semester: 52
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Ústav biotechnológie

Ing. Vladimír Mastihuba, PhD.
Názov semestr. predmetu: Semestrálny projekt III (2. roč. Ing. štúdia)
Počet hodín za semester: 56
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Ústav biotechnológie

Ing. Mária Spišáková
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie II (2. roč. Bc. štúdia)
Počet hodín za semester: 60
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Oddelenie organickej chémie, Ústav organickej chémie, katalýzy a petrochémie

Ing. Mária Spišáková
Názov semestr. predmetu: Laboratórne cvičenia z organickej chémie II (2. roč. Bc. štúdia)
Počet hodín za semester: 30
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Oddelenie organickej chémie, Ústav organickej chémie, katalýzy a petrochémie

Semináre:

RNDr. Peter Biely, DrSc.
Názov semestr. predmetu: Postgraduate course "Microbial enzymes for sustainable technologies" as a part of the "Master in Advanced Microbiology": 1. Microbial xylanolytic enzymes. 2. Diversity of substrate recognition. 3. Xylosidase. 4. Xylooligosaccharides
Počet hodín za semester: 12
Názov katedry a vysokej školy: Faculty of Biology, University of Barcelona, Department of Genetics, Microbiology and Statistics

Mgr. Jana Jakubčinová
Názov semestr. predmetu: Seminár z organickej chémie (1. roč. Bc. štúdia)
Počet hodín za semester: 26
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Mgr. Jana Jakubčinová
Názov semestr. predmetu: Seminár z organickej chémie (2. roč. Bc. štúdia)
Počet hodín za semester: 26
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra organickej chémie

Mgr. Elena Karnišová Potocká, PhD.
Názov semestr. predmetu: Bakalársky projekt II (3. roč. Bc. štúdia)
Počet hodín za semester: 36
Názov katedry a vysokej školy: Fakulta prírodných vied UCM, Katedra biotechnológií

Individuálne prednášky:

Mgr. Peter Baráth, PhD.
Názov semestr. predmetu: Proteomika (v rámci semestr. predmetu Genomika, 1. ročník Mgr. štúdia)
Počet hodín za semester: 2
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra biochémie

Mgr. Peter Baráth, PhD.
Názov semestr. predmetu: Proteomika (v rámci semestr. predmetu Pokročilé metódy molekulárnej biológie, 1. ročník Mgr. štúdia)
Počet hodín za semester: 2
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra molekulárnej biológie

Ing. Tomáš Bertók, PhD.
Názov semestr. predmetu: Stratégia v glykomickom výskume (v rámci semestr. predmetu Stratégia biomedicínskych experimentov, 2. roč. Ing. štúdia)
Počet hodín za semester: 1
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Ústav biochémie

Ing. Ján Tkáč, DrSc.
Názov semestr. predmetu: Glykomika (v rámci semestr. predmetu Vybrané kapitoly z biochémie a molekulárnej biológie, študijný program Biochémia - 2. ročník Mgr. štúdia)
Počet hodín za semester: 1
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra biochémie

Ing. Ján Tkáč, DrSc.
Názov semestr. predmetu: Stratégia v glykomickom výskume (v rámci semestr. predmetu Stratégia biomedicínskych experimentov, 2. roč. Ing. štúdia)
Počet hodín za semester: 1
Názov katedry a vysokej školy: Fakulta chemickej a potravinárskej technológie STU, Ústav biochémie

Ing. Renáta Vadkertiová, PhD.
Názov semestr. predmetu: Kvasinky a kvasinkovité mikroorganizmy - ich výskyt, vlastnosti a úschova (pre 3. roč. Bc. štúdia)
Počet hodín za semester: 2
Názov katedry a vysokej školy: Prírodovedecká fakulta UK, Katedra mikrobiológie a virológie

Príloha E

Medzinárodná mobilita organizácie

(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:

Krajina	**D r u h d o h o d y**					
	MAD, KD, VTS		**Medziústavná**		**Ostatné**	
	Meno pracovníka	**Počet dní**	**Meno pracovníka**	**Počet dní**	**Meno pracovníka**	**Počet dní**
Belgicko					Jaroslav Katrlík	8
Česko			Ľudmila Belická	4	Hana Dudášová	3
			Štefan Belický	1	Michal Halaj	3
			Tomáš Bertók	3	Elena Karnišová Potocká	4
			Peter Capek	2	Juraj Kóňa	1
			Stanislav Kozmon	35	Lenka Lorencová	2
					Júlia Mičová	17
					Andrea Schenkmayerová	365
					Ján Tkáč	6
					Igor Tvaroška	14
					Renáta Vadkertiová	3
Francúzsko	Mária Matulová	6			Soňa Garajová	365
	Iveta Uhliariková	6				
India					Peter Capek	9
Japonsko					Vladimír Sládek	90
Kolumbia					Mária Matulová	10
					Ján Mucha	10
					Vladimír Pätoprstý	10
Nemecko					Jaroslav Katrlík	4
					Mária Matulová	6
					Vladimír Sládek	5
					Iveta Uhliariková	6
Poľsko			Michal Halaj	3		
Rakúsko					Peter Capek	3

					Vladimír Mastihuba	3
					Ján Tkáč	1
Srbsko	Jaroslav Katrlík	8				
	Martina Križáková	8				
Španielsko					Peter Biely	4
					Vladimír Sládek	7
Švédsko					Peter Biely	3
Taliansko			Peter Capek	6		
Počet vyslaní spolu	**4**	**28**	**7**	**54**	**27**	**962**

(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:

Krajina	**D r u h d o h o d y**					
	MAD, KD, VTS		**Medziústavná**		**Ostatné**	
	Meno pracovníka	**Počet dní**	**Meno pracovníka**	**Počet dní**	**Meno pracovníka**	**Počet dní**
Česko			Bc. Barbora Pavlatovská	60		
			Mgr. Zdeněk Remeš, PhD.	5		
Japonsko			Juta Yamamoto	60		
			Prof. Hiroaki Tokiwa	5		
			Prof. Yasuteru Shigeta	5		
Poľsko					Dr. Jakub Nowak	1
Švédsko					M.Sc. Iwona Klonowska	3
Počet prijatí spolu			**5**	**135**	**2**	**4**

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	**Názov konferencie**	**Meno pracovníka**	**Počet dní**
Belgicko	Instruct-ULTRA	Miloš Hricovíni	3
	MIRRI meeting	Renáta Vadkertiová	2
Česko	18. Škola HS	Ľudmila Belická	6
		Viera Hrivnáková	6
		Eduard Jáné	6
		Jana Ziburová	5
	BioTech 2017	Elena Karnišová Potocká	5
	ECCO 2017	Hana Dudášová	3
		Renáta Vadkertiová	3
	Glycoscience 2017	Michal Halaj	3

		Ján Hirsch	5
	IBSBC 2017	Miloš Hricovíni	3
	Molekulová spektroskopie 2017	Vlasta Sasinková	3
	NMR Valtice 2017	Miloš Hricovíni	3
	NPS 2017	Eva Stratilová	3
	Seminár POSKM	Hana Dudášová	2
		Renáta Vadkertiová	2
	Tomáškovy dny 2017	Hana Dudášová	2
Francúzsko	E-MRS 2017	Júlia Mičová	10
	ICB 2017	Tomáš Krajčovič	4
Holandsko	Validation of Biomarkers	Jaroslav Katrlík	5
Kórejská republika	GLYCO 24	Jaroslav Katrlík	12
	NANOCELL 2017	Júlia Mičová	11
Litva	COST Action CA16113	Jaroslav Katrlík	4
Nemecko	BioSensor Symposium	Štefan Belický	6
		Ján Tkáč	4
	EPNOE 2017	Alžbeta Čížová	9
		Zuzana Košťálová	9
	MIRRI meeting	Renáta Vadkertiová	2
Poľsko	COST Action CM1407-3M	Mária Mastihubová	5
Portugalsko	COST Action CM1407-4M	Mária Mastihubová	3
	COST Action CM1407-4M-2TS	Peter Kis	7
Rakúsko	12CBM	Peter Biely	4
		Juraj Kóňa	5
		Klaudia Palenčárová	4
		Vladimír Puchart	3
	ILSM 2017	Jaroslav Katrlík	1
	MassSpec 2017	Eva Stratilová	2
		Silvia Vlčková	2
	MMQC 2017	Miloš Hricovíni	5
	ÖC-ACD 2017	Marek Baráth	4
		Pavol Farkaš	4
		Juraj Kóňa	5
		Stanislav Kozmon	6
Španielsko	COST Action FP1306	Elena Karnišová Potocká	4
		Vladimír Mastihuba	4
		Mária Mastihubová	4
	EUROCARB 2017	Maroš Bella	5
		Peter Biely	7
		Peter Capek	8
		Miloš Hricovíni	7
		Zuzana Hricovíniová	7
		Zdenka Hromádková	7
		Erika Chocholová	9
		Peter Kis	7

		Stanislav Kozmon	8
		Martina Križáková	9
		Filip Květoň	9
		Mária Spišáková	5
		Ján Tkáč	8
Taliansko	ICBST 2017	Ján Tkáč	6
	RI Workshop	Miloš Hricovíni	3
	SURFIN-SREN V	Júlia Mičová	6
Spolu	**34**	**63**	**328**

Vysvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

12CBM - 12th Carbohydrate Bioengineering Meeting
18. Škola HS - 18. Škola hmotnostní spektrometrie
BioSensor Symposium - 1st European and 10th German BioSensor Symposium
BioTech 2017 - BioTech 2017 and 7th Czech-Swiss Symposium with Exhibition
COST Action CA16113 - CA COST Action CA16113 WG/MC Meeting
COST Action CM1407-3M - 3rd Meeting of CMST COST Action CM1407: Challenging Organic Syntheses Inspired by Nature-from Natural Products Chemistry to Drug Discovery
COST Action CM1407-4M - 4th Joint WG/MC Meeting of CMST COST Action CM1407: Challenging Organic Syntheses Inspired by Nature-from Natural Products Chemistry to Drug Discovery
COST Action CM1407-4M-2TS - 4th Joint WG/MC Meeting and 2nd Training School of CMST COST Action CM1407: Challenging Organic Syntheses Inspired by Nature-from Natural Products Chemistry to Drug Discovery
COST Action FP1306 - Joint 4th MC Meeting and 3rd Workshop of FPS COST Action FP1306 (LIGNOVAL)
E-MRS 2017 - The 2017 E-MRS Spring Meeting and Exhibit
ECCO 2017 - XXXVI Annual Meeting of the European Culture Collections' Organization
EPNOE 2017 - 5th EPNOE International Polysaccharide Conference
EUROCARB 2017 - 19th European Carbohydrate Symposium
GLYCO 24 - XXIV International Symposium on Glycoconjugates
Glycoscience 2017 - 13th International Conference on Polysaccharides-Glycoscience
IBSBC 2017 - Instruct Biennial Structural Biology Conference 2017
ICB 2017 - 25th International Conference on Bioencapsulation
ICBST 2017 - 5th International Conference on Bio-Sensing Technology
ILSM 2017 - 14th International Life Science Meeting
Instruct-ULTRA - Instruct-ULTRA kick-off meeting
MassSpec 2017 - 29th MassSpec Forum Vienna
MIRRI meeting - Meeting of Microbial Resource Research Infrastructure consortium
MMQC 2017 - Xth Workshop on Modern Methods in Quantum Chemistry
Molekulová spektroskopie 2017 - Molekulová spektroskopie 2017: Seminář pro užívatele spektrometrů Nicolet a Mattson
NANOCELL 2017 - Workshop of the project NANOCELL KONNECT-007
NMR Valtice 2017 - 32nd Central European NMR Meeting
NPS 2017 - 5. Neformální proteomické setkání
ÖC-ACD 2017 - 17. Österreichische Chemietage (17th Austrian Chemistry Days)
RI Workshop - Workshop "The ninety years of Ronzoni. The Casu's heritage and beyond"
Seminár POSKM - Seminár "Praktické otázky sbírek kultur mikroorganizmů"
SURFIN-SREN V - Progress in Applied Surface, Interface and Thin Film Science 2017
Tomáškovy dny 2017 - XXVI. Tomáškovy dny mladých mikrobiologů
Validation of Biomarkers - Conference Validation of Biomarkers

Príloha F

Vedecko-popularizačná činnosť pracovníkov organizácie SAV

Meno	Spoluautori	Typ[1]	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Ing. Tomáš Bertók, PhD.	Dominika Jašková, Martin Staňo	RO	Hľadá spôsoby, ako zjednodušiť diagnostiku nádorových chorôb	RTVS, Rádio_FM, relácia Ráno na eFeMku; http://fm.rtvs.sk/rubriky/z-vysielania_fm/135098/hlada-sposoby-ako-zjednodusit-diagnostiku-nadorovych-chorob	6.6.2017
Ing. Tomáš Bertók, PhD.	Gavin Shoebridge	RO	Young science personality of 2016	RTVS, Rádio Slovakia International, relácia Science and technology; http://enrsi.rtvs.sk/articles/science-and-technology/137342/young-science-personal	3.7.2017
Ing. Tomáš Bertók, PhD.	Hana Dudášová, Miloš Hricovíni, Erika Chocholová, Peter Kis, Karin Kollárová, Tomáš Krajčovič, Eva Labancová, Lenka Lorencová, Iveta Uhliariková	EX	Prezentácia laboratórií CHÚ SAV	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Tomáš Bertók, PhD.	Igor Haraj, Mária Omastová, Pavel Povinec	TV	Vedec roka 2016: Pozrime sa na to ...	Televízia Ta3, https://www.ta3.com/clanok/1105552/vedec-roka-2016.html	16.5.2017
Ing. Tomáš Bertók, PhD.	Ivan Kováč	TL	Tomáš má len 30 rokov a už sa zaradil medzi elitu krajiny: Toto sú najmúdrejšie hlavy Slovenska!	Nový čas, 18.5.2017. ISSN 1335-4655; https://www.cas.sk/clanok/548877/tomas-ma-len-30-rokov-a-uz-sa-zaradil-medzi-elitu-krajiny-toto-su-najmudre	18.5.2017
Ing. Tomáš Bertók, PhD.	Marta Bartošovičová	IN	Mladá osobnosť vedy 2016: Tomáš Bertók z Chemického ústavu SAV v Bratislave	Vedanadosah.cvtisr.sk, sekcia Články; http://vedanadosah.cvtisr.sk/mlada-osobnost-vedy-2016-tomas-bertok-z-chemickeho-ustavu-slovenskej-akademie-vied-	18.5.2017
Ing. Tomáš Bertók,	Marta	TL	Od lepiacej pásky k medicíne	Quark, 2017, roč. XXIII, č. 10, s. 18-19.	2017

PhD.	Bartošovičová				
Ing. Tomáš Bertók, PhD.	Monika Hucáková	IN	Veda nebola pôvodne moja vízia	Webstránka SAV, sekcia Aktuality; http://www.sav.sk/index.php?doc=services-news&source_no=20&news_no=7027	12.7.2017
Ing. Tomáš Bertók, PhD.	Otokar Horák	IN	Mladá osobnosť vedy Tomáš Bertók: Ľuďom chýba súdnosť a kritické myslenie	DenníkN.sk, sekcia Veda; https://dennikn.sk/783077/mlada-osobnost-vedy-tomas-bertok-ludom-chyba-sudnost-a-kriticke-myslenie/	5.6.2017
Ing. Tomáš Bertók, PhD.	Pavel Neubauer	IN	Slovák, ktorý predbieha budúcnosť medicíny: Biosenzor by mohol rakovinu odhaliť včas	Zoznam.sk, sekcia Zdravie; http://vysetrenie.zoznam.sk/cl/1000649/1643741/Slovak-ktory-predbieha-buducnost-mediciny-Biosenzor-by-mohol-rakovinu-odhali	31.7.2017
Ing. Tomáš Bertók, PhD.	Zuzana Šebestová	RO	Tomáš Bertók, chemik, ocenenie Mladá osobnosť vedy	RTVS, Rádio Slovensko, relácia Nočná pyramída - hosť, 20.6.2017, 22:20-24:00 hod. http://www.rtvs.sk/radio/archiv/11436/696759	20.6.2017
RNDr. Peter Biely, DrSc.	Martin Podstupka	TL	Príroda vedcom odpovedá rôznym spôsobom	Akadémia: Správy SAV. 2017, roč. 53, č. 4, s. 5-7. ISSN 0139-6307	2017
RNDr. Peter Biely, DrSc.	Miroslav Kóš, Pavol Šajgalík, Elena Senková	TV	Výskum využitia bioodpadu na SAV je svetový	RTVS, relácia Správy RTVS, 25.6.2017, 19:00 hod. https://www.rtvs.sk/televizia/archiv/11580/129016#1742	25.6.2017
Ing. Hana Dudášová, PhD.		PB	Výskyt, využitie a úschova kvasiniek	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Pavol Farkaš, PhD.	Barbora Alföldyová, Jana Korcová, Lucia Paulovičová, Alžbeta Čížová	TL	V kráľovstve chémie	Quark, 2017, roč. XXIII, č. 10, s. 41. ISSN 1335-4000	2017
Ing. Pavol Farkaš, PhD.	Zuzana Vetrecin Čeplíková, Martin Nosko, Miroslav Ferko, Alena Šišková, Silvia Podhradská, Gabriel Kalna	IN	Byť vedcom a poznávať	CVTI SR, Veda na dosah, sekcia Články; http://vedanadosah.cvtisr.sk/ byt-vedcom-apoznavat	10.8.2017
RNDr. Alena	Ľudmila Belická	EX	Cukry a ich využitie v medicíne (interaktívny	Týždeň vedy a techniky na Slovensku	9.11.2017

Holazová, PhD.			stánok)	2017 – Veda netradične, Bratislava, Incheba Expo – interaktívne stánky	
RNDr. Zuzana Hricovíniová, PhD.	Katarína Bíliková	TL	Bílikova reakcia	ChemZi, 2017, roč. 13, č. 1, s. 6. ISSN 1336-7242	2017
Mgr. Viera Hrivnáková		PB	Parfém - príbeh výskumu a vývoja	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Mgr. Erika Chocholová		PB	Čo sa deje s krvou po odbere?	Kvapka krvi "zo srdca pre život", Ústav pre výskum srdca SAV, Bratislava	5.12.2017
Ing. Jaroslav Katrlík, PhD.		PB	Rady a tipy hodnotiteľa	Seminár MSCA Individual Fellowship 2017, CVTI SR, Bratislava	11.7.2017
Ing. Jaroslav Katrlík, PhD.	Zuzana Vatehová, Stanislav Ščepán	IN	Sympózium o sacharidoch	Aktuality SAV; http://www.sav.sk/index.php?lang=sk&doc=services-news&source_no=20&news_no=7036	17.7.2017
Mgr. Stanislav Kozmon, PhD.		PB	Ab initio molecular dynamics study of the glycosyltransferase reaction mechanism as a guide to inhibitors design	SASPRO presentation day, Bratislava	7.2.2017
Mgr. Stanislav Kozmon, PhD.		PB	Štúdium vlastností molekúl a reakčných mechanizmov použitím metód výpočtovej chémie	Chemické horizonty, Slovenská chemická spoločnosť pri SAV, FCHPT STU, Bratislava	15.3.2017
Mgr. Martina Križáková		PB	Cukor: biely jed alebo indikátor ochorení?	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Filip Květoň	Zuzana Kusá	EX	Chemické experimenty - motivačné pokusy	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Vladimír Mastihuba, PhD.		TL	Chemické horizonty 2016	ChemZi, 2016, roč. 12, č. 2, s. 11. ISSN 1336-7242	2017
RNDr. Ján Mucha, CSc.	Vladimír Pätoprstý, Martin Podstupka	TL	Centrum glykomiky využilo príležitosť	Akadémia: Správy SAV, 2017, roč. 53, č. 1, s. 16-17. ISSN 0139-6307	2017
Ing. Marek Nemčovič, PhD.		PB	Aplikácia hmotnostnej spektrometrie v diagnostike vrodených porúch metabolizmu glykánov	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Ema Paulovičová, CSc.		PB	Kvasinky a imunitný systém z pohľadu imunoglykomiky	Kvapka krvi "zo srdca pre život", Ústav pre výskum srdca SAV, Bratislava	5.12.2017
Ing. Vladimír Sládek,		PB	HPC in enzymology	Výpočtové stredisko	7.11.2017

PhD.				SAV, Bratislava	
Ing. Mária Spišáková		PB	Inhibícia Golgiho alfa-manozidázy II a jej potenciál v liečbe rakoviny	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Ján Tkáč, DrSc.		PB	Ako na to – skúsenosti držiteľa grantu	Seminár Európska výskumná rada, CVTI SR, Bratislava	14.3.2017
Ing. Ján Tkáč, DrSc.		PB	Skúsenosti držiteľa grantu	Seminár MSCA Individual Fellowship 2017, CVTI SR, Bratislava	11.7.2017
Ing. Ján Tkáč, DrSc.	Eva Majková, Stanislav Ščepán	RO	Svet, ktorý nevidíme - Mikrosvet v našom svete	RTVS, Rádio Slovensko, relácia Veda SK, 11.2.2017, 22:20-23:59 hod. https://www.rtvs.sk/radio/archiv/11373/613128	11.2.2017
Ing. Ján Tkáč, DrSc.	Ivan Filus	IN	Ján Tkáč je jediným Slovákom, ktorý získal grant Európskej rady pre výskum (ERC)	InnoNews.blog; https://innonews.blog/2017/08/11/jan-tkac-je-jedinym-slovakom-ktory-ziskal-grant-europskej-rady-pre-vyskum-erc/	11.8.2017
Ing. Ján Tkáč, DrSc.	Martin Podstupka	TL	Sloboda dovolí robiť kvalitné veci	ChemZi, 2016, roč. 12, č. 2, s. 22-24. ISSN 1336-7242	2017
Ing. Ján Tkáč, DrSc.	Tomáš Drucker, Max Gassmann, Peter Bielik	TV	Biomedicína u nás	TA3, Téma dňa, 14.6.2017, 21:52 hod. http://www.ta3.com/clanok/1107379/biomedicina-u-nas-poziar-vyskovej-budovy.html	14.6.2017
Ing. Renáta Vadkertiová, PhD.	Barbora Stratilová, Hana Dudášová	PB	Identifikácia mikroorganizmov hmotnostnou spektrometriou	Týždeň vedy a techniky 2017, Deň otvorených dverí CHÚ SAV, Bratislava	7.11.2017
Ing. Renáta Vadkertiová, PhD.	Hana Dudášová	PB	Zbierka kultúr kvasiniek	Praktické otázky sbírek kultur mikroorganismů, Výzkumný ústav rostlinné výroby v.v.i., Praha, Česko	29.11.2017
Ing. Renáta Vadkertiová, PhD.	Slávka Habrmanová	IN	Úžasný svet kvasiniek	CVTI SR, Veda na dosah, sekcia Články; http://vedanadosah.cvtisr.sk/uzasny-svet-kvasiniek	15.2.2017

[1] *PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédiá, DO - dokumentárny film*

Ohlasy (citácie):

AAA Vedecké monografie vydané v zahraničných vydavateľstvách

AAA01 GEMEINER, Peter. Enzyme Engineering : Immobilized Biosystems. Chichester, Bratislava : Ellis Horwood, Alfa Publisher, 1992. ISBN 0132782278.

Citácie:

1. [1.1] Asli, UA (Asli, Umi Aisah); Nwaha, I (Nwaha, Isah); Hamid, H (Hamid, Hazirah); Zakaria, ZA (Zakaria, Zainul Akmar); Sadikin, AN (Sadikin, Aziatul Niza); Kamaruddin, MJ (Kamaruddin, Mohd Johari): A KINETIC STUDY OF ENZYMATIC HYDROLYSIS OF OIL PALM BIOMASS FOR FERMENTABLE SUGAR USING POLYETHYLENE GLYCOL (PEG) IMMOBILIZED CELLULASE. In: : JURNAL TEKNOLOGI Volume: 78 Issue: 8-3 Pages: 51-57, WOS

2. [1.1] Iliev, IN (Iliev, I. N.); Marudova, MG (Marudova, M. G.); Cholev, DS (Cholev, D. S.); Vasileva, TA (Vasileva, T. A.); Bivolarski, VP (Bivolarski, V. P.); Viraneva, AP (Viraneva, A. P.); Bodurov, IP (Bodurov, I. P.); Yovcheva, TA (Yovcheva, T. A.): Kinetic studies of beta-galactosidase immobilized in chitosan/xanthan multilayers. In: BULGARIAN CHEMICAL COMMUNICATIONS Volume: 48 Special Issue: E2 Pages: 354-358, WOS

3. [3.1] Mahat NA (Mahat Naji Arafat); Onoja E (Onoja Emmanuel). (2016). Relevant techniques and mechanisms for enzyme immobilization. Protocols & methods for developing green immobilized nanobiocatalysts. In Roswanira Abdul Wahab, Naji A. Mahat (eds.). Protocols and Methods for Developing Green Immobilized Nanobiocatalysts for Esterification Reactions (Universiti Teknologi Malaysia Press, chapter 2, pp. 31-35)

4. [3.1] Yuli, W (Yuli Witono); Lailatul, A (Lailatul Azkiyah). (2016). Immobilization of crown flower (Calotropis gigantea) protease using celite and dextrin. In International Journal on Advanced Science Engineering Information Technology, 6(2), 201-204

AAB Vedecké monografie vydané v domácich vydavateľstvách

AAB01 DYKYJ, Jaroslav - REPÁŠ, Milan. Tlak nasýtenej pary v organických zlúčeninách (Saturated Vapour Pressure of Organic Compounds.). Bratislava : VEDA, 1984. ISBN 71-074-83.

Citácie:

1. [1.1] RRuzicka, K (Ruzicka, Kvetoslav); Koutek, B (Koutek, Bohumir); Fulem, M (Fulem, Michal); Hoskovec, M (Hoskovec, Michal): Indirect Determination of Vapor Pressures by Capillary Gas-Liquid Chromatography: Analysis of the Reference Vapor-Pressure Data and Their Treatment. In: JOURNAL OF CHEMICAL AND ENGINEERING DATA Volume: 57 Issue: 5 Pages: 1349-1368, WOS

2. [1.1] Ruzicka, K (Ruzicka, Kvetoslav); Fulem, M (Fulem, Michal); Cervinka, C (Cervinka, Ctirad): Recommended sublimation pressure and enthalpy of benzene. In: JOURNAL OF CHEMICAL THERMODYNAMICS Volume: 68 Pages: 40-47, WOS

AAB02 DYKYJ, Jaroslav - REPÁŠ, Milan. Tlak nasýtenej pary v organických zlúčeninách (Saturated Vapour Pressure of Organic Compounds). Bratislava : VEDA, 1979. ISBN 71-054-79.

Citácie:

1. [1.1] Brozena, A (Brozena, Ann); Buchanan, JH (Buchanan, James H.); Miles, RW (Miles, Ronald W., Jr.); Williams, BR (Williams, Barry R.); Hulet, MS (Hulet, Melissa S.): Vapor Pressure of Triethyl and Tri-n-Propyl Phosphates and Diethyl Malonate. In: JOURNAL OF CHEMICAL AND ENGINEERING DATA Volume: 59 Issue: 8 Pages: 2649-2659, WOS

2. [1.1] Brozena, A (Brozena, Ann); Tevault, DE (Tevault, David E.); Irwin, K (Irwin, Katherine): Vapor Pressure of Thiodiglycol. In: JOURNAL OF CHEMICAL AND ENGINEERING DATA Volume: 59 Issue: 2 Pages: 307-311, WOS

3. [1.1] Lemberg, M (Lemberg, Max); Sadowski, G (Sadowski, Gabriele): Phase Equilibria for the Hydroesterification of 10-Undecenoic Acid Methyl Ester. In: JOURNAL OF CHEMICAL AND ENGINEERING DATA Volume: 61 Issue: 9 Pages: 3317-3325, WOS

4. [1.1] Planeta, J (Planeta, Josef); Karasek, P (Karasek, Pavel); Hohnova, B (Hohnova, Barbora); St'avikova, L (St'avikova, Lenka); Roth, M (Roth, Michal): Generalized linear solvation energy model applied to solute partition coefficients in ionic liquid-supercritical carbon dioxide systems. In: JOURNAL OF CHROMATOGRAPHY A Volume: 1250 Special Issue: SI Pages: 54-62, WOS

5. [1.1] Planeta, J (Planeta, Josef); Karasek, P (Karasek, Pavel); Roth, M (Roth, Michal): Partitioning of organics between ionic liquids and supercritical CO2: Limiting K-factors in [bmim][N(CN)(2)]-scCO(2) system and generalized correlation with cation- and anion-specific LSERs. In: JOURNAL OF SUPERCRITICAL FLUIDS Volume: 102 Pages: 133-139, WOS

6. [1.1] Planeta, J (Planeta, Josef); Karasek, P (Karasek, Pavel); Roth, M (Roth, Michal): Partitioning of organics between ionic liquids and supercritical CO2: Limiting K-factors in [bmim][N(CN)(2)]-scCO(2) system and generalized correlation with cation- and anion-specific LSERs. In: JOURNAL OF SUPERCRITICAL FLUIDS Volume: 102 Pages: 133-139, WOS
7. [1.1] Ruzicka, K (Ruzicka, Kvetoslav); Fulem, M (Fulem, Michal); Cervinka, C (Cervinka, Ctirad): Recommended sublimation pressure and enthalpy of benzene. In: JOURNAL OF CHEMICAL THERMODYNAMICS Volume: 68 Pages: 40-47, WOS
8. [1.1] Ruzicka, K (Ruzicka, Kvetoslav); Koutek, B (Koutek, Bohumir); Fulem, M (Fulem, Michal); Hoskovec, M (Hoskovec, Michal): Indirect Determination of Vapor Pressures by Capillary Gas-Liquid Chromatography: Analysis of the Reference Vapor-Pressure Data and Their Treatment. In: JOURNAL OF CHEMICAL AND ENGINEERING DATA Volume: 57 Issue: 5 Pages: 1349-1368, WOS
9. [1.1] Zak, M (Zak, Michal); Klepic, M (Klepic, Martina); Stastna, LC (Stastna, Lucie Cervenkova); Sedlakova, Z (Sedlakova, Zuzana); Vychodilova, H (Vychodilova, Hana); Hovorka, S (Hovorka, Stepan); Friess, K (Friess, Karel); Randova, A (Randova, Alena); Brozova, L (Brozova, Libuse); Jansen, JC (Jansen, Johannes Carolus); Khdhayyer, MR (Khdhayyer, Muhanned Radhi); Budd, PM (Budd, Peter Martin); Izak, P (Izak, Pavel): Selective removal of butanol from aqueous solution by pervaporation with a PIM-1 membrane and membrane aging. In: SEPARATION AND PURIFICATION TECHNOLOGY Volume: 151 Pages: 108-114, WOS

ABA Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v zahraničných vydavateľstvách

ABA01 HEINZE, T. - KOSCHELLA, A. - EBRINGEROVÁ, Anna. Chemical functionalization of xylan: A short review. In ACS Symposium Series 864. Hemicelluloses: Science and Technology. - Washington : American Chemical Society, 2004. ISBN 0-8412-3842-1.

Citácie:
1. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In: CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS
2. [1.2] Liu, J., Willför, S., & Xu, C. (2015). A review of bioactive plant polysaccharides: Biological activities, functionalization, and biomedical applications. Bioactive Carbohydrates and Dietary Fibre, 5(1), 31-61, SCOPUS
3. [1.2] Madeira, J. V., Contesini, F. J., Calzado, F., Rubio, M. V., Zubieta, M. P., Lopes, D. B., & de Melo, R. R. (2016). Agro-industrial residues and microbial enzymes: An overview on the eco-friendly bioconversion into high value-added products. In Biotechnology of microbial enzymes: Production, biocatalysis and industrial applications (Elsevier, chapter 18, pp. 475-511), SCOPUS

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 BIELY, Peter. Xylanolytic enzymes. In Handbook of Food Enzymology. - New York : Marcel Dekker, Inc., 2003, p. 879-915. ISBN 0-8247-0686-2.

Citácie:
1. [1.1] Aditiya, HB (Aditiya, H. B.); Mahlia, TMI (Mahlia, T. M. I.); Chong, WT (Chong, W. T.); Nur, H (Nur, Hadi); Sebayang, AH (Sebayang, A. H.): Second generation bioethanol production: A critical review. In: RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 66 Pages: 631-653, WOS
2. [1.1] Chimphango, AFA (Chimphango, Annie F. A.); Gorgens, JF (Goergens, J. F.); van Zyl, WH (van Zyl, W. H.): In situ enzyme aided adsorption of soluble xylan biopolymers onto cellulosic material. In: CARBOHYDRATE POLYMERS Volume: 143 Pages: 172-178, WOS
3. [1.1] Purwani, NN (Purwani, Ni Nyoman); Darmokoesoemo, H (Darmokoesoemo, Handoko); Puspaningsih, NNT (Puspaningsih, Ni Nyoman Tri): Hydrolysis of Corncob Xylan using beta-xylosidase GbtXyl43B from Geobacillus thermoleovorans IT-08 Containing Carbohydrate Binding Module (CBM). In: MOLECULAR AND CELLULAR LIFE SCIENCES: INFECTIOUS DISEASES, BIOCHEMISTRY AND STRUCTURAL BIOLOGY 2015 CONFERENCE Book Series Title: Procedia Chemistry Volume: 18 Pages: 75-81, WOS
4. [1.1] Selim, Samy: Molecular Characterization of Thermostable xylanase Producing Thermoactinomyces vulgaris HSB4. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 1965-1969, WOS
5. [1.1] Shelomi, M (Shelomi, Matan); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): Ancestral gene duplication enabled the evolution of multifunctional cellulases in stick insects (Phasmatodea). In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 1-11, WOS

ABC02 BIELY, Peter. Biochemical aspects of the production of microbial cellulases. In Hemicellulose and

Hemicellulases. - London : Portland Press, 1993, p. 29-51. ISBN 97681855780361.
Citácie:
1. [1.1] Gramany, V (Gramany, Vashni); Khan, FI (Khan, Faez Iqbal); Govender, A (Govender, Algasan); Bisetty, K (Bisetty, Krishna); Singh, S (Singh, Suren); Permaul, K (Permaul, Kugenthiren): Cloning, expression, and molecular dynamics simulations of a xylosidase obtained from Thermomyces lanuginosus. In: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 34 Issue: 8 Pages: 1681-1692, WOS
2. [1.1] Uday, USP (Uday, Uma Shankar Prasad); Choudhury, P (Choudhury, Payel); Bandyopadhyay, TK (Bandyopadhyay, Tarun Kanti); Bhunia, B (Bhunia, Biswanath): Classification, mode of action and production strategy of xylanase and its application for biofuel production from water hyacinth. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 1041-1054, WOS

ABC03 COUGHLAN, M.P. - TUOHY, M.G. - FILHO, E.X.F. - PULS, J. - CLAEYSSENS, M. - VRŠANSKÁ, Mária - HUGHES, M.M. Enzymological aspects of microbial hemicellulases with emphasis on fungal systems. In Hemicellulose and Hemicellulases, 1993. P. 53-84. ISSN 9781855780361.
Citácie:
1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, J.); Dominguez-Hernandez, EM (Dominguez-Hernandez, E. M.); Mercado-Flores, Y (Mercado-Flores, Y.); O'Donovan, A (O'Donovan, A.); Diaz-Godinez, G (Diaz-Godinez, G.): Mycosphere Essay 10: Properties and characteristics of microbial xylanases. In: MYCOSPHERE Volume: 7 Issue: 10 Special Issue: SI Pages: 1600-1619, WOS

ABC04 EBRINGEROVÁ, Anna. The potential of xylans as biomaterials resources. In HABIBI, Youssef - LUCIA, Lucian A. Polysaccharide Building Blocks: A Sustainable Approach to the Development of Renewable Biomaterials. - Hoboken : John Wiley and Sons, 2012. Názov z. Požaduje sa.
Citácie:
1. [1.1] Chemin, M (Chemin, Maud); Rakotovelo, A (Rakotovelo, Alex); Ham-Pichavant, F (Ham-Pichavant, Frederique); Chollet, G (Chollet, Guillaume); Perez, DD (Perez, Denilson Da Silva); Petit-Conil, M (Petit-Conil, Michel); Cramail, H (Cramail, Henri); Grelier, S (Grelier, Stephane): Periodate oxidation of 4-O-methylglucuronoxylans: Influence of the reaction conditions. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 45-50, WOS
2. [1.1] Rafique, N (Rafique, Nagina); Tabassum, R (Tabassum, Romana); Awan, MS (Awan, Muhammad Siddique); Orts, W (Orts, William); Wong, DWS (Wong, Dominic W. S.): Cloning and Expression of Pectobacterium carotovorum Endo-polygalacturonase Gene in Pichia pastoris for Production of Oligogalacturonates. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5204-5214, WOS

ABC05 FARKAŠ, Vladimír. Fungal cell wall. In PEBERDY, J.F. - FERENCZY, I. Fungal Protoplasts: Applications in Biochemistry and Genetics. - New York : Marcel Dekker Inc., 1985, p. 3-29. ISBN 0-8247-7112-5.
Citácie:
1. [1.1] Karakurt, Y (Karakurt, Y.); Toka, D (Toka, D.): The Influence of Hot Water and Calcium Chloride on the Changes in Cell Wall Composition and the Activities of Cell Wall Hydrolases during Storage in Agaricus bisporus. In. JOURNAL OF FOOD BIOCHEMISTRY Volume: 40 Issue: 2 Pages: 220-226, WOS

ABC06 FARKAŠ, Vladimír - GREŠÍK, Miroslav - KOLAROVA, Nadežda - SULOVÁ, Zdena - ŠESTÁK, Sergej. Biochemical and physiological changes during photoinduced conidiation and derepression of cellulase synthesis in Trichoderma. In KUBICEK-FRANZ, C.P. et al. Trichoderma reesei Cellulases: Biochemistry, Genetics, Physiology and Application. - Cambridge : Royal Society of Chemistry, 1990, p. 139-155. ISBN 0-85186-936-X.
Citácie:
1. [1.1] Zhang, XX (Zhang, Xiaoxu); He, H (He, Hao); Yin, Y (Yin, Ying); Zhou, WQ (Zhou, Weiqiang); Cai, MH (Cai, Menghao); Zhou, XS (Zhou, Xiangshan); Zhang, YX (Zhang, Yuanxing): A light-dark shift strategy derived from light-responded metabolic behaviors for polyketides production in marine fungus Halorosellinia sp. In: JOURNAL OF BIOTECHNOLOGY Volume: 221 Pages: 34-42, WOS

ABC07 HRABÁROVÁ, Eva - ACHBERGEROVÁ, Lucia - NAHÁLKA, Jozef. Insoluble protein applications: the use of bacterial inclussion bodies as biocatalysts. In Insoluble Proteins : Methods and Protocols. - New York : Springer, 2015, 2015, vol. 1258, chapter 24, p. 411-422. ISBN 978-1-4939-2204-8.
Citácie:
1. [1.1] Kuczynska-Wisnik, D (Kuczynska-Wisnik, Dorota); Moruno-Algara, M (Moruno-Algara, Maria); Stojowska-Swedrzynska, K (Stojowska-Swedrzynska, Karolina); Laskowska, E (Laskowska, Ewa): The effect of protein acetylation on the formation and processing of inclusion

bodies and endogenous protein aggregates in Escherichia coli cells. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 189, WOS

ABC08 KOGAN, Grigorij - ŠOLTÉS, Ladislav - STERN, Robert - SCHILLER, Jürgen - MENDICHI, Raniero. Hyaluronic acid: its function and degradation in vivo systems. In Bioactive natural products (Part N).Studies in natural products chemistry, Volume 34, Issue C. - Amsterdam : Elsevier, 2008, p.789-882. ISBN 978-0-444-53180-3.

Citácie:

1. [1.1] DYMARSKA, M. - JUROS, W. - JANECZKO, T. - KOSTRZEWA-SUSLOW, E. Hyaluronic acid. Structure, properties and uses. In PRZEMYSL CHEMICZNY. ISSN 0033-2496, 2016, vol. 95, no. 4, p. 814-816., WOS

ABC09 LATTOVÁ, Erika - PERREAULT, Héléne. Method for investigation of oligosaccharides using phenylhydrazine derivatization. In Methods in Molecular Biology. - New Jersey : Humana Press, 2009, p. 65-77. ISBN 1588297748.

Citácie:

1. [1.1] Zhou, SY (Zhou, Shiyue); Hu, YL (Hu, Yunli); Mechref, Y (Mechref, Yehia): High-temperature LC-MS/MS of permethylated glycans derived from glycoproteins. In: ELECTROPHORESIS Volume: 37 Issue: 11 Special Issue: SI Pages: 1506-1513, WOS

ABC10 MAROVA, Ivana - CERTIK, M. - BREIEROVÁ, Emília. Production of enriched biomass by carotenogenic yeasts – application of whole-cell yeast biomass to production of pigments and other lipid compounds. In Biomass – detection, production and usage. - Rijeka : InTech, 2011, chapter 18. p. 345-384. ISBN 978-953-307-492-4.

Citácie:

1. [1.1] Silva, CM (Silva, Carolina Moroni); de Borba, TD (de Borba, Thais de Matos); Kalil, SJ (Kalil, Susana Juliano); Burkert, JFD (de Medeiros Burkert, Janaina Fernandes): Raw Glycerol and Parboiled Rice Effluent for Carotenoid Production: Effect of the Composition of Culture Medium and Initial pH. In: FOOD TECHNOLOGY AND BIOTECHNOLOGY Volume: 54 Issue: 4 Pages: 489-496, WOS

ABC11 MARTINKA, Michal - VACULÍK, Marek - LUX, Alexander. Plant cell responses to cadmium and zinc. In Applied Plant Cell Biology. - Berlin Heidelberg : Springer, 2014, s. 209-246. ISBN 978-3-642-41786-3.

Citácie:

1. [1.1] THOMAS, C.L. - ALCOCK, T.D. - GRAHAM, N.S. - HAYDEN, R. - MATTERSON, S. - WILSON, L. - YOUNG, S.D. - DUPUY, L.X. - WHITE, P.J. - HAMMOND, J.P. - DANKU, J.M.C. - SALT, D.E. - SWEENEY, A. - BANCROFT, I. - BROADLEY, M.R. Root morphology and seed and leaf ionomic traits in a Brassica napus L. diversity panel show wide phenotypic variation and are characteristic of crop habit. In BMC PLANT BIOLOGY. ISSN 1471-2229, OCT 4 2016, vol. 16., WOS

2. [1.1] VERSIEREN, L. - EVERS, S. - DE SCHAMPHELAERE, K. - BLUST, R. - SMOLDERS, E. Mixture toxicity and interactions of copper, nickel, cadmium, and zinc to barley at low effect levels: Something from nothing?. In ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY. ISSN 0730-7268, OCT 2016, vol. 35, no. 10, p. 2483-2492., WOS

ABC12 PETRUŠ, Ladislav - PETRUŠOVÁ, Mária - HRICOVÍNIOVÁ, Zuzana. The Bilik reaction. In Topics in Current Chemistry. Glycoscience: Epimerization and Rearrangement Reactions of Carbohydrates. - Berlin : Springer Verlag, 2001, p. 15-41. ISBN 3-540-41383-9.

Citácie:

1. [1.1] Delidovich, I (Delidovich, Irina); Palkovits, R (Palkovits, Regina): Catalytic Isomerization of Biomass-Derived Aldoses: A Review. In: CHEMSUSCHEM Volume: 9 Issue: 6 Pages: 547-561, WOS

2. [1.1] Spasova, B (Spasova, Berta); Kuesters, C (Kuesters, Christof); Stengel, B (Stengel, Bruno); Brandner, JJ (Brandner, Juergen J.): Investigation of process conditions for catalytic conversion of carbohydrates by epimerization using a microstructured reactor. In: CHEMICAL ENGINEERING AND PROCESSING Volume: 105 Pages: 103-109, WOS

ABC13 REXOVA-BENKOVA, L. - MARKOVIČ, Oskar. Pectic enzymes. In Advances in Carbohydrate Chemistry and Biochemistry, 1976, vol. 33, p. 323- 385. ISSN 0065-2318.

Citácie:

1. [1.1] Solis, MT (Solis, Maria-Teresa); Berenguer, E (Berenguer, Eduardo); Risueno, MC (Risueno, Maria C.); Testillano, PS (Testillano, Pilar S.): BnPME is progressively induced after microspore reprogramming to embryogenesis, correlating with pectin de-esterification and cell differentiation in Brassica napus. In: BMC PLANT BIOLOGY Volume: 16 Article Number: 176, WOS

ABC14 SCHILLER, Jürgen - VOLPI, Nikola - HRABÁROVÁ, Eva - ŠOLTÉS, Ladislav. Hyaluronic acid: a natural biopolymer : chapt. 1. In Biopolymers: biomedical and environmental applications. - Salem : Scrivener : Wiley, 2011, p. 3-34. ISBN 978-0-470-63923-8.(VEGA č. 2/0056/10 : Štúdium využitia

patogén-hostiteľ glykoproteínových interakcií v boji so samotným patogénom. VEGA č. 2/0011/11 : Štúdium pôsobenia reaktívnych foriem kyslíka a dusíka na vysokomolekulový hyalurónan, synoviocyty a chondrocyty).

Citácie:

1. [1.2] PARTENHAUSER, A. - BERNKOP-SCHNURCH, A. Mucoadhesive polymers in the treatment of dry X syndrome. In DRUG DISCOVERY TODAY. ISSN 1359-6446, 2016, vol. 21, no. 7, p. 1051-1062., SCOPUS

2. [1.2] WALICOVÁ, V. - GAJDZIOK, J. - GAJDOSOVÁ, M. - VETCHY, D. The influence of hyaluronan addition on thickness, weight, uniformity of mass and water content of mucoadhesive films. In CESKA A SLOVENSKA FARMACIE. ISSN 1210-7816, 2016, vol. 65, p. 94-98., SCOPUS

ABC15 TKÁČ, Ján - BERTÓK, Tomáš - NAHÁLKA, Jozef - GEMEINER, Peter. Perspectives in glycomics and lectin engineering. In HIRABAYASHI, Jun: Lectins: Methods and Protocols (Series: Methods in Molecular Biology). - New York : Humana Press, imprint of Springer Media, 2014, vol. 1200, chapter 37, p. 421-445. ISBN 978-1-4939-1291-9.

Citácie:

1. [1.1] Grunwald, P. (2016). Glycoconjugates: A brief overview. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, Volume 2, chapter 2, pp. 29-146), SCOPUS

ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách

ACB01 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka. Xylans of industrial and biomedical importance. In Biotechnology and genetic engineering reviews, 1999, vol. 16, o. 325-346. ISSN 0264-8725.

Citácie:

1. [1.1] Biely, P (Biely, Peter); Singh, S (Singh, Suren); Puchart, V (Puchart, Vladimir): Towards enzymatic breakdown of complex plant xylan structures: State of the art. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1260-1274, WOS

2. [1.1] Chemin, M (Chemin, Maud); Rakotovelo, A (Rakotovelo, Alex); Ham-Pichavant, F (Ham-Pichavant, Frederique); Chollet, G (Chollet, Guillaume); Perez, DD (Perez, Denilson Da Silva); Petit-Conil, M (Petit-Conil, Michel); Cramail, H (Cramail, Henri); Grelier, S (Grelier, Stephane): Periodate oxidation of 4-O-methylglucuronoxylans: Influence of the reaction conditions. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 45-50, WOS

3. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS

4. [1.1] Wei, LS (Wei, Lusha); Rhee, MS (Rhee, Mun Su); Preston, JF (Preston, James F.); Chen, H (Chen, Hui): Production of acidic xylooligosaccharides . In: JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY Volume: 91 Issue: 7 Pages: 2056-2062, WOS

5. [1.2] Ali, A., & Ahmed, S. (2016). Natural polymers: An overview. In Natural polymers: Derivatives, blends and composites, volume I (Nova Science Publishers, chapter 1, pp. 1-22), SCOPUS

6. [1.2] Madeira, J. V., Contesini, F. J., Calzado, F., Rubio, M. V., Zubieta, M. P., Lopes, D. B., & de Melo, R. R. (2016). Agro-industrial residues and microbial enzymes: An overview on the eco-friendly bioconversion into high value-added products. In Biotechnology of microbial enzymes: Production, biocatalysis and industrial applications (Elsevier, chapter 18, pp. 475-511), SCOPUS

7. [3.1] Rubio MV, Tramontina R, Augusto T, Squina AR. (2016). Heterologous Expression of Carbohydrate-Active Enzymes in Filamentous Fungi. In Fungal Biotechnology for Biofuel Production (Book Series: Mycology: Current and Future Developments, volume 1). (Bentham 2016, pp. 148-201)

***ADC Vedecké práce v zahraničných karentovaných časopisoch**

ADC01 ALEXY, P. - KOSIKOVA, Bozena - POLÓNYI, J. - PODSTRANSKA, G.. The effect of blending lignin with polyethylene and polypropylene on physical properties. In Polymer : the international journal for the science and technology of polymers, 2000, vol. 41, p. 4901-4908. (1.340 - IF1999). (2000 - Current Contents). ISSN 0032-3861.

Citácie:

1. [1.1] Anagnou, SC (Anagnou, Stavros C.); Milioni, EG (Milioni, Eleni G.); Mpalias, CS (Mpalias, Costas S.); Kartsonakis, IA (Kartsonakis, Ioannis A.); Koumoulos, EP (Koumoulos, Elias P.); Charitidis, CA (Charitidis, Costas A.): Influence of lignin modification on the mechanical properties of lignin/PEO blends. In: INTERNATIONAL JOURNAL OF STRUCTURAL INTEGRITY Volume: 7 Issue: 6 Special Issue: SI Pages: 762-772, WOS

2. [1.1] Berstis, L (Berstis, Laura); Elder, T (Elder, Thomas); Crowley, M (Crowley, Michael);

Beckham, GT (Beckham, Gregg T.): Radical Nature of C-Lignin. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5327-5335, WOS
3. [1.1] Borysiak, S (Borysiak, Slawomir); Klapiszewski, L (Klapiszewski, Lukasz); Bula, K (Bula, Karol); Jesionowski, T (Jesionowski, Teofil): Nucleation ability of advanced functional silica/lignin hybrid fillers in polypropylene composites. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 1 Pages: 251-262, WOS
4. [1.1] Buono, P (Buono, Pietro); Duval, A (Duval, Antoine); Verge, P (Verge, Pierre); Averous, L (Averous, Luc); Habibi, Y (Habibi, Youssef): New Insights on the Chemical Modification of Lignin: Acetylation versus Silylation. In:ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5212-5222, WOS
5. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS
6. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS
7. [1.1] Gadioli, R (Gadioli, Renan); Waldman, WR (Waldman, Walter Ruggeri); De Paoli, MA (De Paoli, Marco Aurelio): Lignin as a green primary antioxidant for polypropylene. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 45 Special Issue: SI Article Number: 43558, WOS
8. [1.1] Gordobil, O (Gordobil, Oihana); Egues, I (Egues, Itziar); Labidi, J (Labidi, Jalel): Modification of Eucalyptus and Spruce organosolv lignins with fatty acids to use as filler in PLA. In: REACTIVE & FUNCTIONAL POLYMERS Volume: 104 Pages: 45-52, WOS
9. [1.1] Gordobil, O (Gordobil, Oihana); Moriana, R (Moriana, Rosana); Zhang, LM (Zhang, Liming); Labidi, J (Labidi, Jalel); Sevastyanova, O (Sevastyanova, Olena): Assesment of technical lignins for uses in biofuels and biomaterials: Structure-related properties, proximate analysis and chemical modification. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 83 Pages: 155-165, WOS
10. [1.1] Gupta, S (Gupta, Surojit); Riyad, MF (Riyad, M. F.); Ji, Y (Ji, Yun): Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. In: LUBRICANTS Volume: 4 Issue: 3 Article Number: 31, WOS
11. [1.1] Kai, D (Kai, Dan); Tan, MJ (Tan, Mein Jin); Chee, PL (Chee, Pei Lin); Chua, YK (Chua, Yun Khim); Yap, YL (Yap, Yong Liang); Loh, XJ (Loh, Xian Jun): Towards lignin-based functional materials in a sustainable world. In: GREEN CHEMISTRY Volume: 18 Issue: 5 Pages: 1175-1200, WOS
12. [1.1] Kim, S (Kim, Sunghoon); Oh, S (Oh, Seungtaek); Lee, J (Lee, Jungmin); Roh, HG (Roh, Hyun-gyoo); Park, J (Park, Jongshin): Changes of Lignin Molecular Structures in a Modification of Kraft Lignin Using Acid Catalyst. In: Materials Volume: 9 Issue: 8 Article Number: 657, WOS
13. [1.1] Kim, SJ (Kim, Seok Ju); Kim, YS (Kim, Yong Sik); Lee, OK (Lee, Oh-Kyu); Ahn, BJ (Ahn, Byoung-Jun): Synthesis and characterization of kraft lignin-graft-polylactide copolymers. In: WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 6 Pages: 1293-1304, WOS
14. [1.1] Kirschweng, B (Kirschweng, B.); Bencze, K (Bencze, K.); Sarkozi, M (Sarkoezi, M.); Hegely, B (Hegely, B.); Samu, G (Samu, Gy.); Hari, J (Hari, J.); Tatraaljai, D (Tatraaljai, D.); Foldes, E (Foeldes, E.); Kallay, M (Kallay, M.); Pukanszky, B (Pukanszky, B.): Melt stabilization of polyethylene with dihydromyricetin, a natural antioxidant. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 192-200, WOS
15. [1.1] Mwanja, C (Mwanja, Christine); Mugabi, P (Mugabi, Paul); Banana, AY (Banana, Abwoli Y.): Physico-chemical and mechanical characterisation of the bark of selected Ficus species growing in Uganda. In: EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS Volume: 74 Issue: 5 Pages: 767-769, WOS
16. [1.1] Newcomb, BA (Newcomb, Bradley A.) : Processing, structure, and properties of carbon fibers. In: COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING Volume: 91 Pages: 262-282, WOS
17. [1.1] Peretti, SW (Peretti, Steven W.); Barton, R (Barton, Ryan); Mendonca, RT (Teixeira Mendonca, Regis): Lignin as Feedstock for Fibers and Chemicals. In: COMMERCIALIZING BIOBASED PRODUCTS: OPPORTUNITIES, CHALLENGES, BENEFITS, AND RISKS Book Series Title: RSC Green Chemistry Series Volume: 43 Pages: 132-165, WOS
18. [1.1] Sadeghifar, H (Sadeghifar, Hasan); Argyropoulos, DS (Argyropoulos, Dimitris S.): Macroscopic Behavior of Kraft Lignin Fractions: Melt Stability Considerations for Lignin-Polyethylene Blends. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue:

10 Pages: 5160-5166, WOS
19. [1.1] Salanti, A (Salanti, Anika); Zoia, L (Zoia, Luca); Zanini, S (Zanini, Stefano); Orlandi, M (Orlandi, Marco): Synthesis and characterization of lignin-silicone hybrid polymers as possible consolidants for decayed wood. In: WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 1 Pages: 117-134, WOS
20. [1.1] Sallem-Idrissi, N (Sallem-Idrissi, Naima); Sclavons, M (Sclavons, Michel); Debecker, DP (Debecker, Damien P.); Devaux, J (Devaux, Jacques): Miscible raw lignin/nylon 6 blends: Thermal and mechanical performances. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 6 Article Number: 42963, WOS
21. [1.1] Shi, B (Shi, Bo); Shlepr, M (Shlepr, Mike): Thermoplastic films containing lignin and their optical polarization properties. In: JOURNAL OF POLYMER ENGINEERING Volume: 36 Issue: 5 Pages: 521-528, WOS
22. [1.1] Wang, F (Wang, Fei); Yang, XP (Yang, Xuping); Zou, YX (Zou, Yangxue): Effect of the maleation of lignosulfonate on the mechanical and thermal properties of lignosulfonate/poly(epsilon-caprolactone) blends. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 5 Article Number: 42925, WOS
23. [1.1] Zanoaga, M (Zanoaga, Madalina); Tanasa, F (Tanasa, Fulga): Photochemical Behavior of Synthetic Polymeric Multicomponent Materials Composites and Nanocomposites. In: PHOTOCHEMICAL BEHAVIOR OF MULTICOMPONENT POLYMERIC-BASED MATERIALS Book Series Title: Advanced Structured Materials Volume: 26 Pages: 109-164, WOS
24. [1.2] Qiu, X. Q., Chen, J. H., Cai, Z. H., & Zhou, M. S. (2016). Color masking and mechanical properties of lignin/High-density polyethylene composites. Huanan Ligong Daxue Xuebao. In: Journal of South China University of Technology (Natural Science), 44(6), 1-8, SCOPUS
25. [1.2] Reddy, A. B., Manjula, B., Sudhakar, K., Sivanjineyulu, V., Jayaramudu, T., & Sadiku, E. R. (2016). In Polyethylene/Other biomaterials-based biocomposites and bionanocomposites. In: Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 7, pp. 279-314), SCOPUS

ADC02 ANDRE, I. - TVAROSKA, Igor - CARVER, J.P. Effects of the complexation by the Mg2+ cation on the stereochemistry of the sugar-diphosphate linkage. Ab initio modelling on nucleotide-sugars. In The Journal of physical chemistry. A. - Washington : American Chemical Society, 2000, vol. 104, no., (Neodoberá sa. ISSN 1089-5639.

Citácie:
1. [1.1] Mendoza, F (Mendoza, Fernanda); Gomez, H (Gomez, Hansel); Lluch, JM (Lluch, Jose M.); Masgrau, L (Masgrau, Laura): alpha 1,4-N-Acetylhexosaminyltransferase EXTL2: The Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. In: ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2577-2589, WOS

ADC03 BYSTRICKÝ, Slavomír - SZU, S.C. - GOTOH, M. - KOVÁČ, Pavol. Circular dichroism of the O-specific polysaccharide of Vibrio cholerae O1 and some related derivates. In Carbohydrate Research, 1995, vol. 270, p. 115. (1995 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Wang, W (Wang, Wei); Zou, Y (Zou, Ye); Li, Q (Li, Qian); Mao, RW (Mao, Riwen); Shao, XJ (Shao, Xingjun); Jin, D (Jin, Dun); Zheng, DH (Zheng, Daheng); Zhao, T (Zhao, Ting); Zhu, HF (Zhu, Huifen); Zhang, L (Zhang, Lin); Yang, LQ (Yang, Liuqing); Wu, XY (Wu, Xiangyang): Immunomodulatory effects of a polysaccharide purified from Lepidium meyenii Walp. on macrophages. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 4 Pages: 542-553, WOS

ADC04 CAPEK, Peter - RENARD, C.M.G.C. - THIBAULT, J.F. Enzymatic degradation of cell walls of apples and characterization of solubilized products. In International Journal of Biological Macromolecules, 1995, vol. 17, no. 6, p. 337-340. ISSN 0141-8130.

Citácie:
1. [1.1] Nadulski, R (Nadulski, Rafal); Kobus, Z (Kobus, Zbigniew); Wilczynski, K (Wilczynski, Kamil); Zawislak, K (Zawislak, Kazimierz); Grochowicz, J (Grochowicz, Jozef); Guz, T (Guz, Tomasz): Application of Freezing and Thawing in Apple (Malus domestica) Juice Extraction. In: JOURNAL OF FOOD SCIENCE Volume: 81 Issue: 11 Pages: E2718-E2725, WOS

ADC05 EBRINGEROVÁ, Anna - SROKOVA, I. - TALABA, P. - KAČURÁKOVÁ, Marta - HROMADKOVÁ, Zdena. Amphiphilic beechwood glucoronoxylan derivatives. In Journal of Applied Polymer Science, 1998, vol. 67, no. 9, p. 1523-1530. (0.841 - IF1997). (1998 - Current Contents). ISSN 0021-8995.

Citácie:
1. [1.1] Nypelo, T (Nypeloe, Tlina); Laine, C (Laine, Christiane); Aoki, M (Aoki, Masaaki); Tammelin, T (Tammelin, Tekla); Henniges, U (Henniges, Ute): Etherification of Wood-Based Hemicelluloses for Interfacial Activity. In: BIOMACROMOLECULES Volume: 17 Issue: 5 Pages: 1894-1901, WOS
2. [1.1] Zeng, YN (Zeng, Yining); Yarbrough, JM (Yarbrough, John M.); Mittal, A (Mittal,

Ashutosh); Tucker, MP (Tucker, Melvin P.); Vinzant, TB (Vinzant, Todd B.); Decker, SR (Decker, Stephen R.); Himmel, ME (Himmel, Michael E.): In situ label-free imaging of hemicellulose in plant cell walls using stimulated Raman scattering microscopy. In: Biotechnology for Biofuels Volume: 9 Article Number: 256, WOS

ADC06 EBRINGEROVÁ, Anna - PRUZINEC, J. - KAČURÁKOVÁ, Marta - HROMADKOVÁ, Zdena. Effect of gamma-radiation on a water-insoluble arabinoxylan. In Journal of Applied Polymer Science, 1989, vol. 38, no. 10, p. 1919. ISSN 0021-8995.

Citácie:

1. [1.1] Todaro, S (Todaro, Simona); Sabatino, MA (Sabatino, Maria Antonietta); Mangione, MR (Mangione, Maria Rosalia); Picone, P (Picone, Pasquale); Di Giacinto, ML (Di Giacinto, Maria Laura); Bulone, D (Bulone, Donatella); Dispenza, C (Dispenza, Celia): Temporal control of xyloglucan self-assembly into layered structures by radiation-induced degradation. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 382-390, WOS

ADC07 JONIAK, Dusan - KOSIKOVA, Bozena. Stability of acetal type lignin-carbohydrate bonds against acid and alkali catalysed hydrolysis. In Cellulose Chemistry and Technology, 1976, vol. 10, p. 691-694.

Citácie:

1. [1.1] Hayes, DJM (Hayes, Daniel J. M.): Second-Generation Biofuels: Why They are Taking so Long. In:ADVANCES IN BIOENERGY: THE SUSTAINABILITY CHALLENGE Pages: 163-191, WOS

ADC08 KOÓŠ, Miroslav - STEINER, Bohumil - MIČOVÁ, Júlia - LANGER, Vratislav - ĎURÍK, M. - GYEPESOVÁ, Dalma. Synthesis and structure determination of some sugar amino acids related to alanine and 6-deoxymannojirimycin. In Carbohydrate Research, 2001, vol. 332, p. 351-361. (1.606 - IF2000). (2001 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Malinowski, M (Malinowski, Maciej); Rowicki, T (Rowicki, Tomasz); Guzik, P (Guzik, Patrycja); Gryszel, M (Gryszel, Maciej); Lapczynski, S (Lapczynski, Sebastian); Wielechowska, M (Wielechowska, Monika); Czerwinska, K (Czerwinska, Karolina); Madura, I (Madura, Izabela); Sas, W (Sas, Wojciech): [1,4]-sigmatropic rearrangement of chiral nitrones and their utilization in the synthesis of new iminosugars. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 2 Pages: 470-482, WOS

ADC09 KOSIKOVA, Bozena - DEMIANOVA, V. - KAČURÁKOVÁ, Marta. Sulfur-free lignins as composites of polypropylene films. In Journal of Applied Polymer Science, 1993, vol. 47, no. 6, p. 1065-1073. ISSN 0021-8995.

Citácie:

1. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS

2. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS

3. [1.1] Peretti, SW (Peretti, Steven W.); Barton, R (Barton, Ryan); Mendonca, RT (Teixeira Mendonca, Regis): Lignin as Feedstock for Fibers and Chemicals. In: COMMERCIALIZING BIOBASED PRODUCTS: OPPORTUNITIES, CHALLENGES, BENEFITS, AND RISKS Book Series Title: RSC Green Chemistry Series Volume: 43 Pages: 132-165, WOS

ADC10 KOSIKOVA, Bozena - EBRINGEROVÁ, Anna - KAČURÁKOVÁ, Marta. Effect of steaming on the solubility and structural changes of wood lignin-polysaccharide complex. In Cellulose Chemistry and Technology, 1995, vol. 29, no. 6, p. 683-690.

Citácie:

1. [1.1] Muzamal, M (Muzamal, Muhammad); Baath, JA (Baath, Jenny Arnling); Olsson, L (Olsson, Lisbeth); Rasmuson, A (Rasmuson, Anders): Contribution of Structural Modification to Enhanced Enzymatic Hydrolysis and 3-D Structural Analysis of Steam-Exploded Wood using X-Ray Tomography. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8509-8521, WOS

ADC11 KOSIKOVA, Bozena - POLCIN, J. Isolation of lignin from spruce wood by acidolysis in dioxane. In Wood Science and Technology, 1973, vol. 7, p. 308.

Citácie:

1. [1.1] Kuznetsov, BN (Kuznetsov, Boris N.); Malyar, YN (Malyar, Yuriy N.); Kuznetsova, SA (Kuznetsova, Svetlana A.); Grishechko, LI (Grishechko, Lyudmila I.); Kazachenko, AS (Kazachenko, Alexander S.); Levdansky, AV (Levdansky, Alexander V.); Pestunov, AV (Pestunov, Andrey V.); Boyandin, AN (Boyandin, Anatoly N.); Celzard, A (Celzard, Alan): Isolation, Study and Application of Organosolv Lignins. In: JOURNAL OF SIBERIAN FEDERAL UNIVERSITY-CHEMISTRY Volume: 9 Issue: 4 Pages: 454-482, WOS

2. [1.1] Yue, FX (Yue, Fengxia); Lan, W (Lan, Wu); Hu, SN (Hu, Songnan); Chen, KL (Chen, Ke-Li); Lu, FC (Lu, Fachuang): Structural Modifications of Sugarcane Bagasse Lignins during Wet-Storage and Soda-Oxygen Pulping.In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5311-5318, WOS

ADC12 MAZEAU, K. - TVAROSKA, Igor. PCILO quantum-mechanical relaxed conformational energy map of methyl 4-thio-alpha-maltoside in solution. In Carbohydrate Research, 1992, vol. 225, p. 27. (1.299 - IF1991). ISSN 0008-6215.

Citácie:

1. [1.1] Rojas-Ocariz, V (Rojas-Ocariz, Victor); Companon, I (Companon, Ismael); Aydillo, C (Aydillo, Carlos); Castro-Lopez, J (Castro-Lopez, Jorge); Jimenez-Barbero, J (Jimenez-Barbero, Jesus); Hurtado-Guerrero, R (Hurtado-Guerrero, Ramon); Avenoza, A (Avenoza, Alberto); Zurbano, MM (Zurbano, Maria M.); Peregrina, JM (Peregrina, Jesus M.); Busto, JH (Busto, Jesus H.); Corzana, F (Corzana, Francisco): Design of alpha-S-Neoglycopeptides Derived from MUC1 with a Flexible and Solvent-Exposed Sugar Moiety. In: JOURNAL OF ORGANIC CHEMISTRY Volume: 81 Issue: 14 Pages: 5929-5941, WOS

ADC13 NOSÁLOVÁ, G. - KARDOŠOVÁ, Alžbeta - FRANOVA, S.. Antitussive activity of a glucuronoxylan from Rudbeckia fulgida compared to the potency of two polysaccharide complexes from the same herb. In Pharmazie, 2000, vol. 55, p. 65-68. (0.446 - IF1999). (2000 - Current Contents).

Citácie:

1. [1.1] do Nascimento, GE (do Nascimento, Georgia Erdmann); Baggio, CH (Baggio, Cristiane H.); Werner, MFD (de Paula Werner, Maria Fernanda); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Arabinoxylan from Mucilage of Tomatoes (Solanum lycopersicum L.): Structure and Antinociceptive Effect in Mouse Models. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 6 Pages: 1239-1244, WOS

ADC14 STRATILOVÁ, Eva - DZÚROVÁ, Mária - MARKOVIC, O. - JORNVALL, H. An essential tyrosine residue of Aspergillus polygalacturonase. In FEBS Letters : Federation of European Biochemical Societies Letters for the Rapid Publication of Short Reports in Biochemistry, Biophysics and Molecular Biology, 1996, vol. 382, p. 164. ISSN 0014-5793.

Citácie:

1. [1.1] Schafers, C (Schaefers, Christian); Elleuche, S (Elleuche, Skander); Antranikian, G (Antranikian, Garabed): Biochemical Properties and Applications of Heat-active Biocatalysts. In: THERMOPHILIC MICROORGANISMS Pages: 47-89, WOS

ADC15 TVAROSKA, Igor - GAJDOS, Jan. Angular dependence of vicinal carbon-proton coupling constants for the conformational studies of hydroxymethyl group in carbohydrates. In Carbohydrate Research, 1995, vol. 271, p. 151162. (1995 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Nazarski, RB (Nazarski, Ryszard B.); Walejko, P (Walejko, Piotr); Witkowski, S (Witkowski, Stanislaw): Multi-conformer molecules in solutions: an NMR-based DFT/MP2 conformational study of two glucopyranosides of a vitamin E model compound. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 11 Pages: 3142-3158, WOS

ADC16 TVAROSKA, Igor - CARVER, J.P. Ab initio molecular orbital calculation on carbohydrate model compounds. 1. The anomeric effect in fluoro and chloro derivatives of tetrahydropyran. In The Journal of physical chemistry. - Washington : American Chemical Society, -1995, 1994, vol. 98, no., p, 6452-6458. ISSN 0022-3654.

Citácie:

1. [1.1] Langenhan, JM (Langenhan, Joseph M.); McLaughlin, RP (McLaughlin, Ryan P.); Loskot, SA (Loskot, Steven A.); Rozal, LM (Rozal, Leonardo M.); Clay, MS (Clay, Mackenzie S.); Alaimo, PJ (Alaimo, Peter J.): Using density functional theory to calculate the anomeric effect in hydroxylamine and hydrazide derivatives of tetrahydropyran. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 2 Pages: 106-117, WOS

ADC17 WANG, J. - VILLENEUVE, S. - ZHANG, J. - LEI, P.S. - MILLER, C.E. - LAFAYE, P. - NATO, F. - SZU, S.C. - KARPAS, A. - BYSTRICKÝ, Slavomír - ROBBINS, J.B. - KOVÁČ, Pavol - FOURNIER, J.M. - GLAUDEMANS, C.P.J. On the antigenic determinants of the lipopolysaccharides of Vibrio cholerae O:1, Ogawa and Inaba. In Journal of Biological Chemistry, 1998, vol. 273, p. 2777. (6.963 - IF1997). (1998 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Blackler, RJ (Blackler, Ryan J.); Evans, DW (Evans, Dylan W.); Smith, DF (Smith, David F.); Cummings, RD (Cummings, Richard D.); Brooks, CL (Brooks, Cory L.); Braulke, T (Braulke, Thomas); Liu, XY (Liu, Xinyu); Evans, SV (Evans, Stephen V.); Muller-Loennies, S (Mueller-Loennies, Sven): Single-chain antibody-fragment M6P-1 possesses a mannose 6-phosphate monosaccharide-specific binding pocket that distinguishes N-glycan phosphorylation in a branch-specific manner. In: GLYCOBIOLOGY Volume: 26 Issue: 2 Pages: 181-192, WOS

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 ABAD, Sandra - NAHÁLKA, Jozef - BERGLER, Gabriele - ARNOLD, S. Alison - SPEIGHT, Robert - FOTHERINGHAM, Ian - NIDETZKY, Bernd - GLIEDER, Anton. Stepwise engineering of a Pichia pastoris D-amino acid oxidase whole cell catalyst. In Microbial Cell Factories, 2010, vol. 9, art. no. 24, (12 p. ISSN 1475-2859.

Citácie:

1. [1.1] Ramesh, H (Ramesh, Hemalata); Zajkoska, P (Zajkoska, Petra); Rebros, M (Rebros, Martin); Woodley, JM (Woodley, John M.): The effect of cultivation media and washing whole-cell biocatalysts on monoamine oxidase catalyzed oxidative desymmetrization of 3-azabicyclo[3,3,0]octane. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 83 Pages: 7-13, WOS

ADCA02 AHYAYAUCH, Hasna - RAAB, Michal - BUSTO, Jon V. - ANDRAKA, Nagore - ARRONDO, José-Luis - MASSERINI, Massimo - TVAROŠKA, Igor - GONI, Félix M. Binding of beta-amyloid (1-42) peptide to negatively charged phospholipid membranes in the liquid-ordered state: Modeling and experimental studies. In Biophysical Journal, 2012, vol.103, p. 453-463. (3.653 - IF2011). (2012 - Current Contents). ISSN 0006-3495.

Citácie:

1. [1.1] Ko, M (Ko, Mihee); Hattori, T (Hattori, Toshihide); Abdullah, M (Abdullah, Mohammad); Gong, JS (Gong, Jian-Sheng); Yamane, T (Yamane, Tsuneo); Michikawa, M (Michikawa, Makoto): Phosphatidylcholine protects neurons from toxic effects of amyloid beta-protein in culture.In: BRAIN RESEARCH Volume: 1642 Pages: 376-383, WOS

2. [1.1] Li, ZL (Li, Zhen-lu); Ding, HM (Ding, Hong-ming); Ma, YQ (Ma, Yu-qiang): Interaction of peptides with cell membranes: insights from molecular modeling. In: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 28 Issue: 8 Article Number: 083001, WOS

3. [1.1] Lockhart, C (Lockhart, Christopher); Klimov, DK (Klimov, Dmitri K.): The Alzheimer's disease A beta peptide binds to the anionic DMPS lipid bilayer. In: BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1858 Issue: 6 Pages: 1118-1128, WOS

4. [1.1] Nardo, L (Nardo, Luca); Re, F (Re, Francesca); Brioschi, S (Brioschi, Simone); Cazzaniga, E (Cazzaniga, Emanuela); Orlando, A (Orlando, Antonina); Minniti, S (Minniti, Stefania); Lamperti, M (Lamperti, Marco); Gregori, M (Gregori, Maria); Cassina, V (Cassina, Valeria); Brogioli, D (Brogioli, Doriano); Salerno, D (Salerno, Domenico); Mantegazza, F (Mantegazza, Francesco): Fluorimetric detection of the earliest events in amyloid beta oligomerization and its inhibition by pharmacologically active liposomes. In: BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1860 Issue: 4 Pages: 746-756, WOS

5. [1.1] Poyry, S (Poyry, Sanja); Vattulainen, I (Vattulainen, Ilpo): Role of charged lipids in membrane structures - Insight given by simulations. In: BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1858 Issue: 10 Special Issue: SI Pages: 2322-2333, WOS

6. [1.1] Sivaprakasam, C (Sivaprakasam, Chinnarasu); Vijayakumar, R (Vijayakumar, Rajendran); Arul, M (Arul, Mathivanan); Nachiappan, V (Nachiappan, Vasanthi): Alteration of mitochondrial phospholipid due to the PLA(2) activation in rat brains under cadmium toxicity. In: TOXICOLOGY RESEARCH Volume: 5 Issue: 6 Pages: 1680-1687, WOS

7. [1.1] Tang, J (Tang, Jennifer); Alsop, RJ (Alsop, Richard J.); Backholm, M (Backholm, Matilda); Dies, H (Dies, Hannah); Shi, AC (Shi, An-Chang); Rheinstadter, MC (Rheinstaedter, Maikel C.): Tang, J (Tang, Jennifer); Alsop, RJ (Alsop, Richard J.); Backholm, M (Backholm, Matilda); Dies, H (Dies, Hannah); Shi, AC (Shi, An-Chang); Rheinstadter, MC (Rheinstaedter, Maikel C.): Amyloid-beta(25-35) peptides aggregate into cross-beta sheets in unsaturated anionic lipid membranes at high peptide concentrations. In: SOFT MATTER Volume: 12 Issue: 13 Pages: 3165-3176, WOS

ADCA03 ACHBERGEROVÁ, Lucia - NAHÁLKA, Jozef. Degradation of polyphosphates by polyphosphate kinases from Ruegeria pomeroyi. In Biotechnology Letters, 2014, vol. 36, p. 2029-2035. (1.736 - IF2013). (2014 - Current Contents, SCOPUS, WOS). ISSN 0141-5492.

Citácie:

1. [1.1] Batten, LE (Batten, Laura E.); Parnell, AE (Parnell, Alice E.); Wells, NJ (Wells, Neil J.); Murch, AL (Murch, Amber L.); Oyston, PCF (Oyston, Petra C. F.); Roach, PL (Roach, Peter L.): Biochemical and structural characterization of polyphosphate kinase 2 from the intracellular pathogen Francisella tularensis. In: BIOSCIENCE REPORTS Volume: 36 Article Number: e00294, WOS

ADCA04 ACHBERGEROVÁ, Lucia - NAHÁLKA, Jozef. Polyphosphate - an ancient energy source and active metabolic regulator. In Microbial Cell Factories, 2011, vol. 10, article 63. (4.544 - IF2010). ISSN 1475-2859.

Citácie:

1. [1.1] Albi, T (Albi, Tomas); Serrano, A (Serrano, Aurelio): Inorganic polyphosphate in the microbial world. Emerging roles for a multifaceted biopolymer. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 2 Article Number: 27, WOS
2. [1.1] Augustyniak, A (Augustyniak, Adrian); Cendrowski, K (Cendrowski, Krzysztof); Nawrotek, P (Nawrotek, Pawel); Barylak, M (Barylak, Martyna); Mijowska, E (Mijowska, Ewa): Investigating the Interaction Between Streptomyces sp and Titania/Silica Nanospheres. In: WATER AIR AND SOIL POLLUTION Volume: 227 Issue: 7 Article Number: 230, WOS
3. [1.1] Buckeridge, KM (Buckeridge, Kate M.); Schaeffer, SM (Schaeffer, Sean M.); Schimel, JP (Schimel, Joshua P.): Vegetation Leachate During Arctic Thaw Enhances Soil Microbial Phosphorus. In.: ECOSYSTEMS Volume: 19 Issue: 3 Pages: 477-489, WOS
4. [1.1] Gounand, I (Gounand, Isabelle); Daufresne, T (Daufresne, Tanguy); Gravel, D (Gravel, Dominique); Bouvier, C (Bouvier, Corinne); Bouvier, T (Bouvier, Thierry); Combe, M (Combe, Marine); Gougat-Barbera, C (Gougat-Barbera, Claire); Poly, F (Poly, Franck); Torres-Barcelo, C (Torres-Barcelo, Clara); Mouquet, N (Mouquet, Nicolas): Size evolution in microorganisms masks trade-offs predicted by the growth rate hypothesis. In: PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES Volume: 283 Issue: 1845 Article Number: 20162272, WOS
5. [1.1] Hu, N (Hu, Ning); Li, H (Li, Hui); Tang, Z (Tang, Zheng); Li, ZF (Li, Zhongfang); Li, GC (Li, Guichun); Jiang, Y (Jiang, Yong); Hu, XM (Hu, Xiaomin); Lou, YL (Lou, Yilai): Community size, activity and C:N stoichiometry of soil microorganisms following reforestation in a Karst region. In. EUROPEAN JOURNAL OF SOIL BIOLOGY Volume: 73 Pages: 77-83, WOS
6. [1.1] Jones, DS (Jones, Daniel S.); Flood, BE (Flood, Beverly E.); Bailey, JV (Bailey, Jake V.): Metatranscriptomic insights into polyphosphate metabolism in marine sediments. In. ISME JOURNAL Volume: 10 Issue: 4 Pages: 1015-1019, WOS
7. [1.1] Lin, SJ (Lin, Senjie); Litaker, RW (Litaker, Richard Wayne); Sunda, WG (Sunda, William G.): Phosphorus physiological ecology and molecular mechanisms in marine phytoplankton. In: JOURNAL OF PHYCOLOGY Volume: 52 Issue: 1 Pages: 10-36, WOS
8. [1.1] Martinez-Ruiz, EB (Berenice Martinez-Ruiz, Erika); Martinez-Jeronimo, F (Martinez-Jeronimo, Fernando).:How do toxic metals affect harmful cyanobacteria? An integrative study with a toxigenic strain of Microcystis aeruginosa exposed to nickel stress. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 133 Pages: 36-46, WOS
9. [1.1] Moudrikova, S (Moudrikova, Sarka); Mojzes, P (Mojzes, Peter); Zachleder, V (Zachleder, Vilem); Pfaff, C (Pfaff, Christian); Behrendt, D (Behrendt, Dominik); Nedbal, L (Nedbal, Ladislav): Raman and fluorescence microscopy sensing energy-transducing and energy-storing structures in microalgae. In: ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS Volume: 16 Pages: 224-232, WOS
10. [1.1] Ruvindy, R (Ruvindy, Rendy); White, RA (White, Richard Allen, III); Neilan, BA (Neilan, Brett Anthony); Burns, BP (Burns, Brendan Paul): Unravelling core microbial metabolisms in the hypersaline microbial mats of Shark Bay using high-throughput metagenomics. In: ISME JOURNAL Volume: 10 Issue: 1 Pages: 183-196, WOS
11. [1.1] Ryazanova, L (Ryazanova, Lubov); Zvonarev, A (Zvonarev, Anton); Rusakova, T (Rusakova, Tatiana); Dmitriev, V (Dmitriev, Vladimir); Kulakovskaya, T (Kulakovskaya, Tatiana): Manganese tolerance in yeasts involves polyphosphate, magnesium, and vacuolar alterations. In: FOLIA MICROBIOLOGICA Volume: 61 Issue: 4 Pages: 311-317, WOS
12. [1.1] Solovchenko, A (Solovchenko, Alexei); Verschoor, AM (Verschoor, Antonie M.); Jablonowski, ND (Jablonowski, Nicolai D.); Nedbal, L (Nedbal, Ladislav): Phosphorus from wastewater to crops: An alternative path involving microalgae. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 5 Pages: 550-564, WOS
13. [1.1] Suess, PM (Suess, Patrick M.); Gomer, RH (Gomer, Richard H.): Extracellular Polyphosphate Inhibits Proliferation in an Autocrine Negative Feedback Loop in Dictyostelium discoideum. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 38 Pages: 20260-20269, WOS
14. [1.1] Tarayre, C (Tarayre, Cedric); De Clercq, L (De Clercq, Lies); Charlier, R (Charlier, Raphaelle); Michels, E (Michels, Evi); Meers, E (Meers, Erik); Camargo-Valero, M (Camargo-Valero, Miller); Delvigne, F (Delvigne, Frank): New perspectives for the design of sustainable bioprocesses for phosphorus recovery from waste. In: BIORESOURCE TECHNOLOGY Volume: 206 Pages: 264-274, WOS
15. [1.1] Yano, T (Yano, Takanori); Funamizu, Y (Funamizu, Yuhei); Yoshida, N (Yoshida, Nobuyuki): Intracellular accumulation of trehalose and glycogen in an extreme oligotroph, Rhodococcus erythropolis N9T-4. In: BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY Volume: 80 Issue: 3 Pages: 610-613, WOS
16. [1.1] Zhao, FZ (Zhao, Fazhu); Zhang, L (Zhang, Lu); Ren, CJ (Ren, Chengjie); Sun, J (Sun, Jiao); Han, XH (Han, Xinhui); Yang, GH (Yang, Gaihe); Wang, J (Wang, Jun). In: SOIL

SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 80 Issue: 6 Pages: 1520-1530, WOS
17. [1.2] Eisen, S., Poehlein, A., Johnson, D. B., Daniel, R., Schlömann, M., & Mühling, M. (2016). Genome sequence of the acidophilic iron oxidizer ferrimicrobium acidiphilum strain T23T. Genome Announcements, 3(2), SCOPUS
18. [1.2] Kassem, I. I., & Rajashekara, G. (2016): Of a tenacious and versatile relic: The role of inorganic polyphosphate (poly-P) metabolism in the survival, adaptation, and virulence of campylobacter jejuni. In: Stress and environmental regulation of gene expression and adaptation in bacteria (John Wiley & Sons, Volume 2, chapter 23.4, pp. 1354-1360), SCOPUS

ADCA05 ALBERT, S. - KLAUDINY, Jaroslav - ŠIMÚTH, Jozef. Molecular characterization of MRJP3, highly polymorphic protein honeybee (Apis mellifera) royal jelly. In Insect Biochemistry and Molecular Biology, 1999, vol. 29, p. 427-434. ISSN 0965-1748.

Citácie:
1. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS
2. [1.1] Ostrovski-Tomporoski, K (Ostrovski-Tomporoski, Katia); Faquinello, P (Faquinello, Patricia); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Ruvolo-Takasusuki, MC (Ruvolo-Takasusuki, Maria Claudia); Santos, PD (Santos, Pedro da Rosa); de Toledo, VA (de Toledo, Vagner Arnaut): Breeding Program Design Principles for Royal Jelly. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 39-62, WOS
3. [1.1] Poley, JD (Poley, Jordan D.); Sutherland, BJG (Sutherland, Ben J. G.); Jones, SRM (Jones, Simon R. M.); Koop, BF (Koop, Ben F.); Fast, MD (Fast, Mark D.): Sex-biased gene expression and sequence conservation in Atlantic and Pacific salmon lice (Lepeophtheirus salmonis). In: BMC GENOMICS Volume: 17 Article Number: 483, WOS
4. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In. BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS

ADCA06 ALBERT, S. - KLAUDINY, Jaroslav - ŠIMÚTH, J. Newly discovered features of the updated sequence of royal jelly protein RJP571; longer repetitive region on C-terminus and homology to Drosophila melanogaster yellow protein. In Journal of Apicultural Research, 1996, vol. 35, p. 63-68. ISSN 0021-8839.

Citácie:
1. [1.1] Ostrovski-Tomporoski, K (Ostrovski-Tomporoski, Katia); Faquinello, P (Faquinello, Patricia); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Ruvolo-Takasusuki, MC (Ruvolo-Takasusuki, Maria Claudia); Santos, PD (Santos, Pedro da Rosa); de Toledo, VA (de Toledo, Vagner Arnaut): Breeding Program Design Principles for Royal Jelly. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 39-62, WOS
2. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS

ADCA07 ALBERT, S. - BHATTACHARYA, D. - KLAUDINY, Jaroslav - SCHMITZOVA, J. - ŠIMÚTH, Jozef. The family of major royal jelly proteins and its evolution. In Journal of Molecular Evolution, 1999, vol. 49, p. 290-297. ISSN 0022-2844.

Citácie:
1. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS
2. [1.1] Liu, Y (Liu, Y.); Yan, L (Yan, L.); Li, Z (Li, Z.); Huang, WF (Huang, W. -F.); Pokhrei, S (Pokhrei, S.); Liu, X (Liu, X.); Su, S (Su, S.): Larva-mediated chalkbrood resistance-associated single nucleotide polymorphism markers in the honey bee Apis mellifera. In: INSECT MOLECULAR BIOLOGY Volume: 25 Issue: 3 Pages: 239-250, WOS
3. [1.1] Micas, AFD (Ditondo Micas, Andre Fernando); Ferreira, GA (Ferreira, Germano Aguiar); Laure, HJ (Laure, Helen Julie); Rosa, JC (Rosa, Jose Cesar); Bitondi, MMG (Gentile Bitondi, Marcia Maria): PROTEINS OF THE INTEGUMENTARY SYSTEM OF THE HONEYBEE, Apis mellifera. In: ARCHIVES OF INSECT BIOCHEMISTRY AND PHYSIOLOGY Volume: 93 Issue: 1 Pages: 3-24, WOS
4. [1.1] Poley, JD (Poley, Jordan D.); Sutherland, BJG (Sutherland, Ben J. G.); Jones, SRM

(Jones, Simon R. M.); Koop, BF (Koop, Ben F.); Fast, MD (Fast, Mark D.): Sex-biased gene expression and sequence conservation in Atlantic and Pacific salmon lice (Lepeophtheirus salmonis). In: BMC GENOMICS Volume: 17 Article Number: 483, WOS
5. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS
6. [1.1], WOS

ADCA08 ALBERT, Štefan - KLAUDINY, Jaroslav. The MRJP/YELLOW protein family of Apis mellifera: Identification of new members in the EST library. In Journal of Insect Physiology, 2004, vol. 50, p. 51-59. ISSN 0022-1910.

Citácie:
1. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS
2. [1.1] Liu, Y (Liu, Y.); Yan, L (Yan, L.); Li, Z (Li, Z.); Huang, WF (Huang, W. -F.); Pokhrei, S (Pokhrei, S.); Liu, X (Liu, X.); Su, S (Su, S.): Larva-mediated chalkbrood resistance-associated single nucleotide polymorphism markers in the honey bee Apis mellifera. In: INSECT MOLECULAR BIOLOGY Volume: 25 Issue: 3 Pages: 239-250, WOS
3. [1.1] Ostrovski-Tomporoski, K (Ostrovski-Tomporoski, Katia); Faquinello, P (Faquinello, Patricia); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Ruvolo-Takasusuki, MC (Ruvolo-Takasusuki, Maria Claudia); Santos, PD (Santos, Pedro da Rosa); de Toledo, VA (de Toledo, Vagner Arnaut): Breeding Program Design Principles for Royal Jelly. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 39-62, WOS
4. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS
5. [1.2] Arakane, Y., Noh, Y., Asano, T., & Kramer, K. J. (2016). Tyrosine metabolism for insect cuticle pigmentation and sclerotization. In: Extracellular composite matrices in arthropods (Springer, chapter 6, pp. 165-220), SCOPUS

ADCA09 ALEXY, Pavol - KOŠÍKOVÁ, Božena - CRKONOVÁ, Gabriela - GREGOROVÁ, Adriana - MARTIŠ, Pavol. Modification of lignin-polyethylene blends with high lignin content using ethylene-vinylacetate copolymer as modifier. In Journal of Applied Polymer Science, 2004, vol. 94, p. 1855-1860. (1.017 - IF2003). (2004 - Current Contents). ISSN 0021-8995.

Citácie:
1. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS
2. [1.1] Dehne, L (Dehne, Laura); Babarro, CV (Babarro, Carlos Vila); Saake, B (Saake, Bodo); Schwarz, KU (Schwarz, Katrin U.): Influence of lignin source and esterification on properties of lignin-polyethylene blends. In. INDUSTRIAL CROPS AND PRODUCTS Volume: 86 Pages: 320-328, WOS
3. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS
4. [1.1] Peretti, SW (Peretti, Steven W.); Barton, R (Barton, Ryan); Mendonca, RT (Teixeira Mendonca, Regis): Lignin as Feedstock for Fibers and Chemicals. In: COMMERCIALIZING BIOBASED PRODUCTS: OPPORTUNITIES, CHALLENGES, BENEFITS, AND RISKS Book Series Title: RSC Green Chemistry Series Volume: 43 Pages: 132-165, WOS
5. [1.1] Shi, B (Shi, Bo); Shlepr, M (Shlepr, Mike): Thermoplastic films containing lignin and their optical polarization properties. In: JOURNAL OF POLYMER ENGINEERING Volume: 36 Issue: 5 Pages: 521-528, WOS
6. [1.1] Ye, DZ (Ye, Dezhan); Li, S (Li, Shuai); Lu, XM (Lu, Xiaomin); Zhang, X (Zhang, Xi); Rojas, OJ (Rojas, Orlando J.): Antioxidant and Thermal Stabilization of Polypropylene by Addition of Butylated Lignin at Low Loadings. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5248-5257, WOS
7. [1.2] Qiu, X. Q., Chen, J. H., Cai, Z. H., & Zhou, M. S. (2016). Color masking and mechanical

properties of lignin/High-density polyethylene composites. Huanan Ligong Daxue Xuebao. In: Journal of South China University of Technology (Natural Science), 44(6), 1-8, SCOPUS

ADCA10 ALFOLDI, Juraj - PETRUŠ, Ladislav - BÍLIK, Vojtech. 1H-NMR spectra of aldoses in molybdate complexes. XXV. In Collection of Czechoslovak Chemical Communications, 1978, vol. 43, p. 1476-1480. ISSN 0010-0765.

Citácie:

1. [1.1] Hricoviniova, Z (Hricoviniova, Zuzana); Hricovini, M (Hricovini, Milos): A new type of rearrangement in branched-chain carbohydrates: isomerization of 3-C-branched aldoses. In: CARBOHYDRATE RESEARCH Volume: 370 Pages: 1-8, WOS

ADCA11 ALI, S.T. - JAHANGIR, S. - KARAMAT, S. - FABIAN, W.M.F. - NAWARA, Krysztof Kamil - KÓŇA, Juraj. Theoretical study on the redox cycle of bovine glutathione peroxidase GPx1:pKa calculations, docking, and molecular dynamics simulations. In Journal of Chemical Theory and Computation, 2010, vol. 6, p. 1670-1681. (4.804 - IF2009). (2010 - Current Contents). ISSN 1549-9618.

Citácie:

1. [1.1] Thapa, B (Thapa, Bishnu); Schlegel, HB (Schlegel, H. Bernhard): Theoretical Calculation of pK(a)'s of Selenols in Aqueous Solution Using an Implicit Solvation Model and Explicit Water Molecules. In: JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 44 Pages: 8916-9922, WOS

ADCA12 ALI, S. Tahir - KARAMAT, Sajjad - KÓŇA, Juraj - FABIAN, Walter M.F. Theoretical prediction of pKa values of seleninic, selenenic, sulfinic, and carboxylic acids by quantum-chemical methods. In Journal of physical chemistry A.Molecules, spectroscopy, kinetics, environment, and general theory, 2010, vol. 114, p. 12470-12478. (2.899 - IF2009). (2010 - Current Contents). ISSN 1089-5639.

Citácie:

1. [1.1] Zhang, YD (Zhang, Yuandi); Chen, H (Chen, Hui); Liu, XF (Liu, Xuefeng); Zhang, YM (Zhang, Yongmin); Fang, Y (Fang, Yun); Qin, ZR (Qin, Zhirong): Effective and Reversible Switching of Emulsions by an Acid/Base-Mediated Redox Reaction. In: LANGMUIR Volume: 32 Issue: 51 Pages: 13728-13735, WOS

ADCA13 ALTANER, Clemens - SAAKE, Bodo - TENKANEN, Maija - EYZAGUIRRE, Jaime - FAULDS, Craig B. - BIELY, Peter - VIIKARI, Liisa - SIIKA-AHO, Matti - PULS, Jurgen. Regioselective deacetylation of cellulose acetates by acetyl xylan esterases of different CE-families. In Journal of Biotechnology, 2003, vol. 105, p. 95-104. ISSN 0168-1656.

Citácie:

1. [1.1] Bi, R (Bi, Ran); Berglund, J (Berglund, Jennie); Vilaplana, F (Vilaplana, Francisco); McKee, LS (McKee, Lauren S.); Henriksson, G (Henriksson, Gunnar): The degree of acetylation affects the microbial degradability of mannans. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 36-46, WOS

2. [1.1] Kwon, M (Kwon, Mi); Song, J (Song, Jaeyong); Park, HS (Park, Hong-Seog); Park, H (Park, Hyunjin); Chang, J (Chang, Jongsoo): Characterization of Heterologously Expressed Acetyl Xylan Esterase1 Isolated from the Anaerobic Rumen Fungus Neocallimastix frontalis PMA02. In: ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES Volume: 29 Issue: 11 Pages: 1576-1584, WOS

3. [1.1] Shirke, AN (Shirke, Abhijit N.); Basore, D (Basore, Danielle); Butterfoss, GL (Butterfoss, Glenn L.); Bonneau, R (Bonneau, Richard); Bystroff, C (Bystroff, Christopher); Gross, RA (Gross, Richard A.): Toward rational thermostabilization of Aspergillus oryzae cutinase: Insights into catalytic and structural stability. In: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 84 Issue: 1 Pages: 60-72, WOS

4. [1.1] Singh, MK (Singh, Mrityunjay K.); Manoj, N (Manoj, Narayanan): An extended loop in CE7 carbohydrate esterase family is dispensable for oligomerization but required for activity and thermostability. In: JOURNAL OF STRUCTURAL BIOLOGY Volume: 194 Issue: 3 Pages: 434-445, WOS

ADCA14 ANDRE, I. - MAZEAU, K. - TARAVEL, F.R. - TVAROSKA, Igor. Conformation and dynamics of a cyclic (1-2)-á-D-glucan. In International Journal of Biological Macromolecules, 1995, vol. 17, p. 189. ISSN 0141-8130.

Citácie:

1. [1.1] Kim, H (Kim, Hwanhee); Dindulkar, SD (Dindulkar, Someshwar D.); Jeong, D (Jeong, Daham); Park, S (Park, Seyeon); Jun, BH (Jun, Bong-Hyun); Cho, E (Cho, Eunae); Jung, S (Jung, Seunho): A synthetic encapsulating emulsifier using complex-forming pentacosadiynoyl cyclosophoraoses (cyclic beta-(1,2)-D-glucan). In: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: 44 Pages: 195-203, WOS

ADCA15 ANDRÉ, Isabelle - TVAROŠKA, Igor - CARVER, Jeremy P. On the reaction pathway and determination of transition-state structures for retaining alfa-galactosyltransferases. In Carbohydrate Research, 2003, vol. 338, p. 865-877. (1.631 - IF2002). (2003 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Ardevol, A (Ardevol, Albert); Iglesias-Fernandez, J (Iglesias-Fernandez, Javier); Rojas-Cervellera, V (Rojas-Cervellera, Victor); Rovira, C (Rovira, Carme): The reaction mechanism of retaining glycosyltransferases. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 51-60, WOS

ADCA16 ANDRÉ, Isabelle - MAZEAU, Karim - TVAROŠKA, Igor - PUTAUX, Jean-Luc - WINTER, William T. - TARAVEL, Francois R. - CHANZY, Henry. Molecular and crystal structures of inulin from electron diffraction data. In Macromolecules, 1996, vol. 29, p. 4626-4635. (3.155 - IF1995). (1996 - Current Contents). ISSN 0024-9297.

Citácie:
1. [1.1] Barclay, TG (Barclay, Thomas G.); Rajapaksha, H (Rajapaksha, Harinda); Thilagam, A (Thilagam, Alagu); Qian, GJ (Qian, Gujie); Ginic-Markovic, M (Ginic-Markovic, Milena); Cooper, PD (Cooper, Peter D.); Gerson, A (Gerson, Andrea); Petrovsky, N (Petrovsky, Nikolai): Physical characterization and in silico modeling of inulin polymer conformation during vaccine adjuvant particle formation. In: CARBOHYDRATE POLYMERS Volume: 143 Pages: 108-115, WOS
2. [1.1] Carbone, D (Carbone, Donatella); Faggio, C (Faggio, Caterina): Importance of prebiotics in aquaculture as immunostimulants. Effects on immune system of Sparus aurata and Dicentrarchus labrax. In: FISH & SHELLFISH IMMUNOLOGY Volume: 54 Pages: 172-178, WOS

ADCA17 ANGULO, Jesus - HRICOVÍNI, Miloš - GAIRI, Margarida - GUERRINI, Marco - DE PAZ, José Luis - OJEDA, Rafael - MARTÍN-LOMAS, Manuel - NIETO, Pedro M. Dynamic properties of biologically active synthetic heparin-like hexasaccharides. In Glycobiology, 2005, vol. 15, p. 1008-1015. ISSN 0959-6658.

Citácie:
1. [1.1] Mulloy, B (Mulloy, Barbara); Hogwood, J (Hogwood, John); Gray, E (Gray, Elaine); Lever, R (Lever, Rebecca); Page, CP (Page, Clive P.): Pharmacology of Heparin and Related Drugs. In: PHARMACOLOGICAL REVIEWS Volume: 68 Issue: 1 Pages: 76-141, WOS

ADCA18 ANTONOV, Y.A. - LASHKO, N.P. - GLOTOVA, Y.K. - MALOVÍKOVÁ, Anna - MARKOVIČ, Oskar. Effect of the structural features of pectins and alginates on their thermodynamic copmpatibility with gelatin in aqueous media. In Food Hydrocolloids, 1996, vol. 10, p. 1-9. ISSN 0268-005X.

Citácie:
1. [1.1] Esquena, J (Esquena, Jordi): Water-in-water (W/W) emulsions. In: CURRENT OPINION IN COLLOID & INTERFACE SCIENCE Volume: 25 Pages: 109-119, WOS
2. [1.1] Hinton, TJ (Hinton, Thomas J.); Jallerat, Q (Jallerat, Quentin); Palchesko, RN (Palchesko, Rachelle N.); Park, JH (Park, Joon Hyung); Grodzicki, MS (Grodzicki, Martin S.); Shue, HJ (Shue, Hao-Jan); Ramadan, MH (Ramadan, Mohamed H.); Hudson, AR (Hudson, Andrew R.); Feinberg, AW (Feinberg, Adam W.): Three-dimensional printing of complex biological structures by freeform reversible embedding of suspended hydrogels. In: SCIENCE ADVANCES Volume: 1 Issue: 9, WOS

ADCA19 BABINCOVA, M. - ALTANEROVÁ, Veronika - LAMPERT, M. - ALTANER, Čestmír - MACHOVÁ, Eva - ŠRÁMKA, M. - BABINEC, P. Site-specific in vivo targeting of magnetoliposomes using externally applied magnetic field. In Zeitschrift fur Naturforschung C - A Journal of biosciences, 2000, vol. 55, no. 3-4, p. 278-281.

Citácie:
1. [1.1] JOURNAL OF ETHNOPHARMACOLOGY Volume: 179 Pages: 177-196, WOS
2. [1.1] Yingchoncharoen, P (Yingchoncharoen, Phatsapong); Kalinowski, DS (Kalinowski, Danuta S.); Richardson, DR (Richardson, Des R.): Lipid-Based Drug Delivery Systems in Cancer Therapy: What Is Available and What Is Yet to Come. In: PHARMACOLOGICAL REVIEWS Volume: 68 Issue: 3 Pages: 701-787, WOS

ADCA20 BABINCOVÁ, Melánia - BAČOVÁ, Zuzana - MACHOVÁ, Eva - KOGAN, Grigorij. Antioxidant properties of carboxymethyl glucan: Comparative analysis. In Journal of Medicinal Food : Official Journal of the Korean Society of Food Science and Nutrition, 2002, vol. 5, p. 79-83. ISSN 1096-620X.

Citácie:
1. [1.1] Faizi, M (Faizi, Mehrdad); Salimi, A (Salimi, Ahmad); Seydi, E (Seydi, Enayatolla); Naserzadeh, P (Naserzadeh, Parvaneh); Kouhnavard, M (Kouhnavard, Mehdi); Rahimi, A (Rahimi, Atena); Pourahmad, J (Pourahmad, Jalal): Toxicity of cuprizone a Cu2+ chelating agent on isolated mouse brain mitochondria: a justification for demyelination and subsequent behavioral dysfunction. In: TOXICOLOGY MECHANISMS AND METHODS Volume: 26 Issue: 4 Pages: 276-283, WOS
2. [1.1] Kahrizi, F (Kahrizi, Farzad); Salimi, A (Salimi, Ahmad); Noorbakhsh, F (Noorbakhsh, Farshid); Faizi, M (Faizi, Mehrdad); Mehri, F (Mehri, Freshteh); Naserzadeh, P (Naserzadeh,

Parvaneh); Naderi, N (Naderi, Nima); Pourahmad, J (Pourahmad, Jalal): Repeated Administration of Mercury Intensifies Brain Damage in Multiple Sclerosis through Mitochondrial Dysfunction. In: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 15 Issue: 4 Pages: 835-841, WOS

3. [1.1] Srinivas, K (Srinivas, Kota); Muralikrishna, N (Muralikrishna, Narra); Kumar, KB (Kumar, Kalva Bharath); Raghu, E (Raghu, Ellendula); Mahender, A (Mahender, Aileni); Kiranmayee, K (Kiranmayee, Kasula); Yashodahara, V (Yashodahara, Velivela); Sadanandam, A (Sadanandam, Abbagani): Biolistic transformation of Scoparia dulcis L.. In: PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS Volume: 22 Issue: 1 Pages: 61-68, WOS

ADCA21 BABINCOVÁ, Melánia - MACHOVÁ, Eva - KOGAN, Grigorij. Carboxymethylated glucan inhibits lipid peroxidation in liposomes. In Zeitschrift für Naturforschung C, 1999, vol. 54, p. 1084-1088. ISSN 0939-5075.

Citácie:

1. [1.1] Faizi, M (Faizi, Mehrdad); Salimi, A (Salimi, Ahmad); Seydi, E (Seydi, Enayatolla); Naserzadeh, P (Naserzadeh, Parvaneh); Kouhnavard, M (Kouhnavard, Mehdi); Rahimi, A (Rahimi, Atena); Pourahmad, J (Pourahmad, Jalal): Toxicity of cuprizone a Cu2+ chelating agent on isolated mouse brain mitochondria: a justification for demyelination and subsequent behavioral dysfunction. In: TOXICOLOGY MECHANISMS AND METHODS Volume: 26 Issue: 4 Pages: 276-283, WOS

2. [1.1] Kahrizi, F (Kahrizi, Farzad); Salimi, A (Salimi, Ahmad); Noorbakhsh, F (Noorbakhsh, Farshid); Faizi, M (Faizi, Mehrdad); Mehri, F (Mehri, Freshteh); Naserzadeh, P (Naserzadeh, Parvaneh); Naderi, N (Naderi, Nima); Pourahmad, J (Pourahmad, Jalal): Repeated Administration of Mercury Intensifies Brain Damage in Multiple Sclerosis through Mitochondrial Dysfunction. In: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 15 Issue: 4 Pages: 835-841, WOS

3. [1.1] Li, XH (Li, X. H.); Chen, YP (Chen, Y. P.); Cheng, YF (Cheng, Y. F.); Yang, WL (Yang, W. L.); Wen, C (Wen, C.); Zhou, YM (Zhou, Y. M.): Effect of yeast cell wall powder with different particle sizes on the growth performance, serum metabolites, immunity and oxidative status of broilers. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 212 Pages: 81-89, WOS

ADCA22 BACHANOVA, K. - KLAUDINY, Jaroslav - KOPERNICKY, J. - ŠIMÚTH, Jozef. Identification of honeybee peptide active against Paenibacillus larvae larvae through bacterial growth-inhibition assay on polyacrylamide gel. In Apidologie, 2002, vol. 33, p. 259-269. ISSN 0044-8435.

Citácie:

1. [1.1] Erler, S (Erler, Silvio); Moritz, RFA (Moritz, Robin F. A.): Pharmacophagy and pharmacophory: mechanisms of self-medication and disease prevention in the honeybee colony (Apis mellifera). In: APIDOLOGIE Volume: 47 Issue: 3 Pages: 389-411, WOS

2. [1.1] Oryan, A (Oryan, Ahmad); Alemzadeh, E (Alemzadeh, Esmat); Moshiri, A (Moshiri, Ali): Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. In: JOURNAL OF TISSUE VIABILITY Volume: 25 Issue: 2 Pages: 98-118, WOS

3. [1.2] Ramón-Sierra, J. M., Magaña-Ortiz, D. I., Ruiz-Ruiz, J. C., & Ortiz-Vázquez, E. (2016). Antimicrobial activity of protein extracted from melipona beecheii honey. In Stingless bee's honey from yucatan: Culture, traditional uses and nutraceutical potential (Nova Science Publishers, chapter 8, pp. 135-146), SCOPUS

4. [1.2] Sojka, M., Valachova, I., Bucekova, M., & Majtan, J. (2016). Antibiofilm efficacy of honey and bee-derived defensin-1 on multispecies wound biofilm. Journal of Medical Microbiology, 65(4), 337-344, SCOPUS

ADCA23 BAILEY, Michael J. - BIELY, Peter - POUTANEN, K. Interlaboratory testing of methods for assay of xylanase activity. In Journal of Biotechnology, 1992, vol. 23, p. 257-270. ISSN 0168-1656.

Citácie:

1. [1.1] 1.1Deshmukh, RA (Deshmukh, Rehan Ahmed); Jagtap, S (Jagtap, Sharmili); Mandal, MK (Mandal, Madan Kumar); Mandal, SK (Mandal, Suraj Kumar): Purification, biochemical characterization and structural modelling of alkali-stable beta-1,4-xylan xylanohydrolase from Aspergillus fumigatus R1 isolated from soil. In: BMC BIOTECHNOLOGY Volume: 16 Article Number: 11, WOS

2. [1.1] : Scholl, AL (Scholl, Angelica Luisi); Menegol, D (Menegol, Daiane); Pitarelo, AP (Pitarelo, Ana Paula); Fontana, RC (Fontana, Roselei Claudete); Zandona, A (Zandona Filho, Arion); Ramos, LP (Ramos, Luiz Pereira); Dillon, AJP (Pinheiro Dillon, Aldo Jose); Camassola, M (Camassola, Marli): Elephant grass pretreated by steam explosion for inducing secretion of cellulases and xylanases by Penicillium echinulatum S1M29 solid-state cultivation. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 77 Pages: 97-107, WOS

3. [1.1] Adhyaru, DN (Adhyaru, Dharmesh N.); Bhatt, NS (Bhatt, Nikhil S.); Modi, HA (Modi, H. A.); Divecha, J (Divecha, Jyoti): Insight on xylanase from Aspergillus tubingensis FDHN1: Production, high yielding recovery optimization through statistical approach and application. In:

BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 6 Pages: 51-57, WOS
4. [1.1] Adiguzel, G (Adiguzel, Gulsah); Sonmez, Z (Sonmez, Zeynep); Adiguzel, A (Adiguzel, Ahmet); Nadaroglu, H (Nadaroglu, Hayrunnisa): Purification and characterization of a thermostable endo-beta-1,4 mannanase from Weissella viridescens LB37 and its application in fruit juice clarification. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 5 Pages: 769-776, WOS
5. [1.1] Agyekum, AK (Agyekum, A. K.); Kiarie, E (Kiarie, E.); Walsh, MC (Walsh, M. C.); Nyachoti, CM (Nyachoti, C. M.): Postprandial portal fluxes of essential amino acids, volatile fatty acids, and urea-nitrogen in growing pigs fed a high-fiber diet supplemented with a multi-enzyme cocktail. In: JOURNAL OF ANIMAL SCIENCE Volume: 94 Issue: 9 Pages: 3771-3785, WOS
6. [1.1] Agyekum, AK (Agyekum, A. K.); Kiarie, E (Kiarie, E.); Walsh, MC (Walsh, M. C.); Nyachoti, CM (Nyachoti, C. M.): Postprandial portal glucose and lactate fluxes, insulin production, and portal vein-drained viscera oxygen consumption in growing pigs fed a high-fiber diet supplemented with a multi-enzyme cocktail. In: JOURNAL OF ANIMAL SCIENCE Volume: 94 Issue: 9 Pages: 3760-3770, WOS
7. [1.1] Ajijolakewu, KA (Ajijolakewu, Kamoldeen A.); Leh, CP (Leh, Cheu Peng); Abdullah, WNW (Abdullah, Wan Nadiah Wan); Lee, CK (Lee, Chee Keong): Assessment of the Effect of Easily-metabolised Carbon Supplements on Xylanase Production by Newly Isolated Trichoderma asperellum USM SD4 Cultivated on Oil Palm Empty Fruit Bunches. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 9611-9627, WOS
8. [1.1] Al Loman, A (Al Loman, Abdullah); Ju, LK (Ju, Lu-Kwang): Towards complete hydrolysis of soy flour carbohydrates by enzyme mixtures for protein enrichment: A modeling approach. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 86 Pages: 25-33, WOS
9. [1.1] An, Q (An, Qi); Wu, XJ (Wu, Xue-Jun); Han, ML (Han, Mei-Ling); Cui, BK (Cui, Bao-Kai); He, SH (He, Shuang-Hui); Dai, YC (Dai, Yu-Cheng); Si, J (Si, Jing): Sequential Solid-State and Submerged Cultivation of the White Rot Fungus Pleurotus ostreatus on Biomass and the Activity of Lignocellulolytic Enzymes. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8791-8805, WOS
10. [1.1] Arte, E (Arte, Elisa); Katina, K (Katina, Kati); Holopainen-Mantila, U (Holopainen-Mantila, Ulla); Nordlund, E (Nordlund, Emilia): Effect of Hydrolyzing Enzymes on Wheat Bran Cell Wall Integrity and Protein Solubility. In: CEREAL CHEMISTRY Volume: 93 Issue: 2 Pages: 162-171, WOS
11. [1.1] Bagewadi, ZK (Bagewadi, Zabin K.); Mulla, SI (Mulla, Sikandar I.); Ninnekar, HZ (Ninnekar, Harichandra Z.): Purification, characterization, gene cloning and expression of GH-10 xylanase (Penicillium citrinum isolate HZN13). In: 3 BIOTECH Volume: 6 Article Number: 169, WOS
12. [1.1] Bagewadi, ZK (Bagewadi, Zabin K.); Mulla, SI (Mulla, Sikandar I.); Shouche, Y (Shouche, Yogesh); Ninnekar, HZ (Ninnekar, Harichandra Z.): Xylanase production from Penicillium citrinum isolate HZN13 using response surface methodology and characterization of immobilized xylanase on glutaraldehyde-activated calcium-alginate beads. In: 3 BIOTECH Volume: 6 Article Number: 164, WOS
13. [1.1] Banik, S (Banik, Shyamal): Fungal dry retting - An ecofriendly and water saving technology for retting of jute. In: INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH Volume: 41 Issue: 2 Pages: 212-216, WOS
14. [1.1] Basinskiene, L (Basinskiene, Loreta); Juodeikiene, G (Juodeikiene, Grazina); Vidmantiene, D (Vidmantiene, Daiva); Tenkanen, M (Tenkanen, Maija); Makaravicius, T (Makaravicius, Tomas); Bartkiene, E (Bartkiene, Elena): Non-Alcoholic Beverages from Fermented Cereals with Increased Oligosaccharide Content. In: FOOD TECHNOLOGY AND BIOTECHNOLOGY Volume: 54 Issue: 1 Pages: 36-44, WOS
15. [1.1] Bueno, MM (Bueno, Micheli Maria); Thys, RCS (Silveira Thys, Roberta Cruz); Rodrigues, RC (Rodrigues, Rafael C.): Microbial Enzymes as Substitutes of Chemical Additives in Baking Wheat Flour-Part I: Individual Effects of Nine Enzymes on Flour Dough Rheology. In: FOOD AND BIOPROCESS TECHNOLOGY Volume: 9 Issue: 12 Pages: 2012-2023, WOS
16. [1.1] Chugh, P (Chugh, Priya); Soni, R (Soni, Raman); Soni, SK (Soni, Sanjeev Kumar): Deoiled Rice Bran: A Substrate for Co-Production of a Consortium of Hydrolytic Enzymes by Aspergillus niger P-19. In. WASTE AND BIOMASS VALORIZATION Volume: 7 Issue: 3 Pages: 513-525, WOS
17. [1.1] Coimbra, MC (Coimbra, Michelle Cardoso); Duque, A (Duque, Aleta); Saez, F (Saez, Felicia); Manzanares, P (Manzanares, Paloma); Garcia-Cruz, CH (Garcia-Cruz, Crispin Humberto); Ballesteros, M (Ballesteros, Mercedes): Sugar production from wheat straw biomass by alkaline extrusion and enzymatic hydrolysis. In. RENEWABLE ENERGY Volume: 86 Pages: 1060-1068, WOS
18. [1.1] Colombo, LT (Colombo, Livia Tavares); de Oliveira, MNV (Valerio de Oliveira, Marcelo

Nagem); Carneiro, DG (Carneiro, Deisy Guimaraes); de Souza, RA (de Souza, Robson Assis); Alvim, MCT (Tocantins Alvim, Mariana Caroline); dos Santos, JC (dos Santos, Josenilda Carlos); da Silva, CC (da Silva, Cynthia Canedo); Vidigal, PMP (Pereira Vidigal, Pedro Marcus); da Silveira, WB (da Silveira, Wendel Batista); Passos, FML (Lopes Passos, Flavia Maria): Applying functional metagenomics to search for novel lignocellulosic enzymes in a microbial consortium derived from a thermophilic composting phase of sugarcane bagasse and cow manure. In: ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY Volume: 109 Issue: 9 Pages: 1217-1233, WOS

19. [1.1] Cortez Ávila, María Guadalupe; Ardilas Arias, Alba Nelly; Salgado Román, Juan Manuel; Hernández Soto, Rosa; Hernández Maldonado, José Alfredo: Enzimatic activity of xylanase immobilized in sodium alginate beads in citral hydrogenation using liquid médium. In: Acta universitaria Volume: 26 Issue: 1 Pages: 48-55, WOS

20. [1.1] Costa, PD (Costa, Patricia dos Santos); Buchli, F (Buechli, Fernanda); Robl, D (Robl, Diogo); Delabona, PD (Delabona, Priscila da Silva); Rabelo, SC (Rabelo, Sarita Candida); Pradella, JGD (da Cruz Pradella, Jose Geraldo): Enhancement of Penicillium echinulatum glycoside hydrolase enzyme complex. In: JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY Volume: 43 Issue: 5 Pages: 627-639, WOS

21. [1.1] Dammak, I (Dammak, Ilyes); Khoufi, S (Khoufi, Sonia); Sayadi, S (Sayadi, Sami): A performance comparison of olive oil mill wastewater enzymatic treatments. In: FOOD AND BIOPRODUCTS PROCESSING Volume: 100 Pages: 61-71, WOS

22. [1.1] Daniel, JLP (Daniel, J. L. P.); Queiroz, OCM (Queiroz, O. C. M.); Arriola, KG (Arriola, K. G.); Staples, CR (Staples, C. R.); Romero, JJ (Romero, J. J.); Shin, JH (Shin, J. H.); Paschoaloto, JR (Paschoaloto, J. R.); Nussio, LG (Nussio, L. G.); Adesogan, AT (Adesogan, A. T.): Effects of maturity at ensiling of bermudagrass and fibrolytic enzyme application on the performance of early-lactation dairy cows. In: JOURNAL OF DAIRY SCIENCE Volume: 99 Issue: 12 Pages: 9716-9723, WOS

23. [1.1] Das, A (Das, Arundhati); Ray, L (Ray, Lalitagauri): Production of crude xylanase using a isolated fungal strain Aspergillus sp.S6 by solid state fermentation. In: MATERIALS TODAY-PROCEEDINGS Volume: 3 Issue: 10 Pages: 3343-3360, WOS

24. [1.1] Elizabeth, TA (Elizabeth, T. Abikoye); Julius, KO (Julius, K. Oloke); Ekaette, ND (Ekaette, N. Dike); Sudipta, SB (Sudipta, S. Bora); Das, S (Das, S.); Barooah, M (Barooah, M.): Influence of Different Substrates on Lignolytic Enzyme Production in Improved Strains of Wood Ear Mushroom (Auricularia Species). In: JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH Volume: 75 Issue: 12 Pages: 740-746, WOS

25. [1.1] Franciosini, MP (Franciosini, Maria Pia); Casagrande-Proietti, P (Casagrande-Proietti, Patrizia); Forte, C (Forte, Claudio); Beghelli, D (Beghelli, Daniela); Acuti, G (Acuti, Gabriele); Zanichelli, D (Zanichelli, Dario); dal Bosco, A (dal Bosco, Alessandro); Castellini, C (Castellini, Cesare); Trabalza-Marinucci, M (Trabalza-Marinucci, Massimo): Effects of oregano (Origanum vulgare L.) and rosemary (Rosmarinus officinalis L.) aqueous extracts on broiler performance, immune function and intestinal microbial population. In. JOURNAL OF APPLIED ANIMAL RESEARCH Volume: 44 Issue: 1 Pages: 474-479, WOS

26. [1.1] Galanopoulou, AP (Galanopoulou, Anastasia P.); Morais, S (Morais, Sarah); Georgoulis, A (Georgoulis, Anastasios); Morag, E (Morag, Ely); Bayer, EA (Bayer, Edward A.); Hatzinikolaou, DG (Hatzinikolaou, Dimitris G.): Insights into the functionality and stability of designer cellulosomes at elevated temperatures. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 20 Pages: 8731-8743, WOS

27. [1.1] Gangwar, AK (Gangwar, Avdhesh K.); Prakash, NT (Prakash, N. Tejo); Prakash, R (Prakash, Ranjana): An Eco-Friendly Approach: Incorporating a Xylanase Stage at Various Places in ECF and Chlorine-based Bleaching of Eucalyptus Pulp. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5381-5388, WOS

28. [1.1] Generoso, WC (Generoso, Wesley Cardoso); Malago, W (Malago-, Wilson, Jr.); Pereira, N (Pereira-, Nei, Jr.); Henrique-Silva, F (Henrique-Silva, Flavio): Triggering the Expression of Cellulolytic Genes Using a Recombinant Endoxylanase from Trichoderma harzianum IOC-3844. In: BIOENERGY RESEARCH Volume: 9 Issue: 3 Pages: 931-941, WOS

29. [1.1] Ghazala, I (Ghazala, Imen); Haddar, A (Haddar, Anissa); Ben Romdhane, M (Ben Romdhane, Molka); Ellouz-Chaanouni, S (Ellouz-Chaanouni, Semia): Screening and Molecular Identification of New Microbial Strains for Production of Enzymes of Biotechnological Interest. In: BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 59 Article Number: e16150152, WOS

30. [1.1] Gomez, S (Gomez, Sara); Payne, AM (Payne, Asia M.); Savko, M (Savko, Martin); Fox, GC (Fox, Gavin C.); Shepard, WE (Shepard, William E.); Fernandez, FJ (Fernandez, Francisco J.); Vega, MC (Cristina Vega, M.): Structural and functional characterization of a highly stable endo-beta-1,4-xylanase from Fusarium oxysporum and its development as an efficient immobilized

biocatalyst. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 191, WOS
31. [1.1] Grossmann, I (Grossmann, Isabel); Doring, C (Doering, Clemens); Jekle, M (Jekle, Mario); Becker, T (Becker, Thomas); Koehler, P (Koehler, Peter): JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 28 Pages: 5751-5758, WOS
32. [1.1] Guo, XY (Guo, Xin-Yue); Lin, SL (Lin, Shu-Ling); Guo, LQ (Guo, Li-Qiong); Lin, JF (Lin, Jun-Fang); Ye, ZW (Ye, Zhi-Wei): Heterologous expression of the multi-functional cellulase gene (mfc) from the mollusc Ampullaria crossean, in Volvariella volvacea. In: JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY Volume: 91 Issue: 4 Pages: 325-331, WOS
33. [1.1] Hamalainen, J (Hamalainen, Joonas); Granstrom, T (Granstrom, Tom); Mollerup, F (Mollerup, Filip); Wang, YW (Wang, Yawei); Xiong, HR (Xiong, Hairong); Turunen, O (Turunen, Ossi): Effect of enzymatic high temperature prehydrolysis on the subsequent cellulose hydrolysis of steam-pretreated spruce in high solids concentration. In: JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY Volume: 91 Issue: 6 Pages: 1844-1852, WOS
34. [1.1] Herculano, PN (Herculano, Polyanna Nunes); Moreira, KA (Moreira, Keila Aparecida); Bezerra, RP (Bezerra, Raquel Pedrosa); Porto, TS (Porto, Tatiana Souza); de Souza-Motta, CM (de Souza-Motta, Cristina Maria); Porto, ALF (Figueiredo Porto, Ana Lucia): Potential application of waste from castor bean (Ricinus communis L.) for production for xylanase of interest in the industry. In: 3 BIOTECH Volume: 6 Article Number: 144, WOS
35. [1.1] Hoffmam, ZB (Hoffmam, Zaira B.); Zanphorlin, LM (Zanphorlin, Leticia M.); Cota, J (Cota, Junio); Diogo, JA (Diogo, Jose A.); Almeida, GB (Almeida, Gabriela B.); Damasio, ARL (Damasio, Andre R. L.); Squina, F (Squina, Fabio); Murakami, MT (Murakami, Mario T.); Ruller, R (Ruller, Roberto): Xylan-specific carbohydrate-binding module belonging to family 6 enhances the catalytic performance of a GH11 endo-xylanase. In: NEW BIOTECHNOLOGY Volume: 33 Issue: 4 Pages: 467-472, WOS
36. [1.1] Jena, Harekrushna; Halder, Suman Kumar; Soren, Jyoti Prakash; Tako, Miklos; Mondal, Keshab Chandra: Valorization of wheat bran for cost-effective production of cellulolytic enzymes by Aspergillus fumigatus SKH2 and utilization of the enzyme cocktail for saccharification of lignocellulosic biomass. In: Acta Biologica Szegediensis Volume: 60 Issue: 2 Pages: 129-137, WOS
37. [1.1] Kacem, I (Kacem, Imen); Koubaa, M (Koubaa, Mohamed); Maktouf, S (Maktouf, Sameh); Chaari, F (Chaari, Fatma); Najar, T (Najar, Taha); Chaabouni, M (Chaabouni, Moncef); Ettis, N (Ettis, Nadia); Chaabouni, SE (Chaabouni, Semia Ellouz): Multistage process for the production of bioethanol from almond shell. In: BIORESOURCE TECHNOLOGY Volume: 211 Pages: 154-163, WOS
38. [1.1] Kalim, B (Kalim, Bushra); Ali, NM (Ali, Nazish Mazhar): Optimization of fermentation media and growth conditions for microbial xylanase production. In: 3 BIOTECH Volume: 6 Article Number: 122, WOS
39. [1.1] Kallel, F (Kallel, Fatma); Driss, D (Driss, Dorra); Chaari, F (Chaari, Fatma); Zouari-Ellouzi, S (Zouari-Ellouzi, Soumaya); Chaabouni, M (Chaabouni, Moncef); Ghorbel, R (Ghorbel, Raoudha); Chaabouni, SE (Chaabouni, Semia Ellouz): Statistical optimization of low-cost production of an acidic xylanase by Bacillus mojavensis UEB-FK: Its potential applications. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 5 Pages: 1-10, WOS
40. [1.1] Kamppuri, T (Kamppuri, Taina); Vehvilainen, M (Vehvilainen, Marianna); Backfolk, K (Backfolk, Kaj); Heiskanen, I (Heiskanen, Isto): Characterization of endoglucanase rich Trichoderma reesei cellulase mixtures and their effect on alkaline solubility of dissolving pulp. In: CELLULOSE Volume: 23 Issue: 6 Pages: 3901-3911, WOS
41. [1.1] Kaur, A (Kaur, Amanjot); Singh, A (Singh, Avtar); Patra, AK (Patra, Arun Kumar); Mahajan, R (Mahajan, Ritu): Cost-effective scouring of flax fibers using cellulase-free xylano-pectinolytic synergism from a bacterial isolate. In: JOURNAL OF CLEANER PRODUCTION Volume: 131 Pages: 107-111, WOS
42. [1.1] Kelbert, M (Kelbert, Maikon); Romani, A (Romani, Aloia); Coelho, E (Coelho, Eduardo); Pereira, FB (Pereira, Francisco B.); Teixeira, JA (Teixeira, Jose A.); Domingues, L (Domingues, Lucilia): Simultaneous Saccharification and Fermentation of Hydrothermal Pretreated Lignocellulosic Biomass: Evaluation of Process Performance Under Multiple Stress Conditions. In: BIOENERGY RESEARCH Volume: 9 Issue: 3 Pages: 750-762, WOS
43. [1.1] Khelil, O (Khelil, Omar); Choubane, S (Choubane, Slimane); Cheba, B (Cheba, Ben Amar): Polyphenols content of spent coffee grounds subjected to physico-chemical pretreatments influences lignocellulolytic enzymes production by Bacillus sp R2. In: BIORESOURCE TECHNOLOGY Volume: 211 Pages: 769-773, WOS
44. [1.1] Khusro, A (Khusro, Ameer); Kaliyan, BK (Kaliyan, Barathi Kannan); Al-Dhabi, NA (Al-Dhabi, Naif Abdullah); Arasu, MV (Arasu, Mariadhas Valan); Agastian, P (Agastian, Paul): Statistical optimization of thermo-alkali stable xylanase production from Bacillus tequilensis

strain ARMATI: ELECTRONIC JOURNAL OF BIOTECHNOLOGY Volume: 22 Pages: 16-25, WOS
45. [1.1] Ko, JK (Ko, Ja Kyong); Ko, H (Ko, Hyeokjin); Kim, KH (Kim, Kyoung Heon); Choi, IG (Choi, In-Geol): Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, Saccharophagus degradans 2-40. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 4 Pages: 677-684, WOS
46. [1.1] Ko, JK (Ko, Ja Kyong); Ko, H (Ko, Hyeokjin); Kim, KH (Kim, Kyoung Heon); Choi, IG (Choi, In-Geol): Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, Saccharophagus degradans 2-40. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 4 Pages: 677-684, WOS
47. [1.1] Ko, JK (Ko, Ja Kyong); Ko, H (Ko, Hyeokjin); Kim, KH (Kim, Kyoung Heon); Choi, IG (Choi, In-Geol): Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, Saccharophagus degradans 2-40. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 4 Pages: 677-684, WOS
48. [1.1] Koti, S (Koti, Sravanthi); Govumoni, SP (Govumoni, Sai Prashanthi); Gentela, J (Gentela, Jahnavi); Rao, LV (Rao, L. Venkateswar): Enhanced bioethanol production from wheat straw hemicellulose by mutant strains of pentose fermenting organisms Pichia stipitis and Candida shehatae. In:SPRINGERPLUS Volume: 5 Article Number: 1545, WOS
49. [1.1] Kumar, A (Kumar, Amit); Dutt, D (Dutt, Dharm); Gautam, A (Gautam, Archana): PRETREATMENT AND ENZYMATIC HYDROLYSIS OF PEARL MILLET STOVER BY MULTI-ENZYMES FROM ASPERGILLUS NIDULANS AKB-25. In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 7-8 Pages: 781-790, WOS
50. [1.1] Kumar, Amit; Gautam, Archana; Dutt, Dharm: Co-Cultivation of Penicillium sp AKB-24 and Aspergillus nidulans AKB-25 as a Cost-Effective Method to Produce Cellulases for the Hydrolysis of Pearl Millet Stover. In: Fermentation-Basel Volume: 2 Issue: 2 Pages: Article No.: 12, WOS
51. [1.1] Leo, VV (Leo, Vincent V.); Passari, AK (Passari, Ajit K.); Joshi, JB (Joshi, J. Beslin); Mishra, VK (Mishra, Vineet K.); Uthandi, S (Uthandi, Sivakumar); Ramesh, N (Ramesh, N.); Gupta, VK (Gupta, Vijai K.); Saikia, R (Saikia, Ratul); Sonawane, VC (Sonawane, Vijay C.); Singh, BP (Singh, Bhim P.): A Novel Triculture System (CC3) for Simultaneous Enzyme Production and Hydrolysis of Common Grasses through Submerged Fermentation. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 447, WOS
52. [1.1] Li, FB (Li, Fangbing); Wang, H (Wang, Hui); Xin, HX (Xin, Huaxia); Cai, JF (Cai, Jianfeng); Fu, Q (Fu, Qing); Jin, Y (Jin, Yu): Development, validation and application of a hydrophilic interaction liquid chromatography-evaporative light scattering detection based method for process control of hydrolysis of xylans obtained from different agricultural wastes. In: FOOD CHEMISTRY Volume: 212 Pages: 155-161, WOS
53. [1.1] Li, PJ (Li, Pei-jun); Xia, JL (Xia, Jin-lan); Nie, ZY (Nie, Zhen-yuan); Shan, Y (Shan, Yang): Saccharification of orange peel wastes with crude enzymes from new isolated Aspergillus japonicus PJ01. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 3 Pages: 485-492, WOS
54. [1.1] Li, YH (Li, Yonghao); Liu, CG (Liu, Chenguang); Bai, FW (Bai, Fengwu); Zhao, XQ (Zhao, Xinqing): Overproduction of cellulase by Trichoderma reesei RUT C30 through batch-feeding of synthesized low-cost sugar mixture. In: BIORESOURCE TECHNOLOGY Volume: 216 Pages: 503-510, WOS
55. [1.1] Loman, AA (Loman, Abdullah A.); Ju, LK (Ju, Lu-Kwang): Optimization of Enzymatic Process Condition for Protein Enrichment, Sugar Recovery and Digestibility Improvement of Soy Flour. In: JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY Volume: 93 Issue: 8 Pages: 1063-1073, WOS
56. [1.1] Loureiro, DB (Loureiro, Dana B.); Romanini, D (Romanini, Diana); Tubio, G (Tubio, Gisela): Structural and functional analysis of Aspergillus niger xylanase to be employed in polyethylenglycol/salt aqueous two-phase extraction. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 5 Pages: 204-210, WOS
57. [1.1] Luthfi, AAI (Luthfi, Abdullah Amru Indera); Jahim, JM (Jahim, Jamaliah Md); Harun, S (Harun, Shuhaida); Tan, JP (Tan, Jian Ping); Mohammad, AW (Mohammad, Abdul Wahab): Biorefinery approach towards greener succinic acid production from oil palm frond bagasse. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 10 Pages: 1527-1537, WOS
58. [1.1] Ma, JS (Ma, Jiangshan); Zhang, KK (Zhang, Keke); Huang, M (Huang, Mei); Hector, SB (Hector, Stanton B.); Liu, B (Liu, Bin); Tong, CY (Tong, Chunyi); Liu, Q (Liu, Qian); Zeng, JR (Zeng, Jiarui); Gao, Y (Gao, Yan); Xu, T (Xu, Ting); Liu, Y (Liu, Ying); Liu, XM (Liu, Xuanming); Zhu, YH (Zhu, Yonghua): Involvement of Fenton chemistry in rice straw degradation by the lignocellulolytic bacterium Pantoea ananatis Sd-1. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 211, WOS

59. [1.1] Ma, JS (Ma, Jiangshan); Zhang, KK (Zhang, Keke); Liao, HD (Liao, Hongdong); Hector, SB (Hector, Stanton B.); Shi, XW (Shi, Xiaowei); Li, JL (Li, Jianglin); Liu, B (Liu, Bin); Xu, T (Xu, Ting); Tong, CY (Tong, Chunyi); Liu, XM (Liu, Xuanming); Zhu, YH (Zhu, Yonghua): Genomic and secretomic insight into lignocellulolytic system of an endophytic bacterium Pantoea ananatis Sd-1. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 25, WOS
60. [1.1] Ma, S (Ma, S.); Wang, XX (Wang, X. X.); Zheng, XL (Zheng, X. L.); Tian, JZ (Tian, J. Z.); Bian, K (Bian, K.); Li, L (Li, L.); Xu, R (Xu, R.): Physicochemical properties of wheat grains affected by after-ripening. In. QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS Volume: 8 Issue: 2 Pages: 189-194, WOS
61. [1.1] Maan, P (Maan, Poonam); Bharti, AK (Bharti, Amit Kumar); Gautam, S (Gautam, Sneh); Dutt, D (Dutt, Dharm): Screening of Important Factors for Xylanase and Cellulase Production from the Fungus C. cinerea RM-1 NFCCI-3086 through Plackett-Burman Experimental Design. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8269-8276, WOS
62. [1.1] Madhaiyan, M (Madhaiyan, Munusamy); Poonguzhali, S (Poonguzhali, Selvaraj); Saravanan, VS (Saravanan, Venkatakrishnan Sivaraj); Pragatheswari, D (Pragatheswari, Dhandapani); Duraipandiyan, V (Duraipandiyan, Veeramuthu); Al-Dhabi, NA (Al-Dhabi, Naif Abdullah); Santhanakrishnan, P (Santhanakrishnan, Palani): Paenibacillus methanolicus sp nov., a xylanolytic, methanol-utilizing bacterium isolated from the phyllosphere of bamboo (Pseudosasa japonica). In: INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY Volume: 66 Pages: 4362-4366, WOS
63. [1.1] Manju; Bishnoi, Narsi R.: Enzyme Production from Low Cost Cellulosic Biomass of Water Hyacinth by Solid State Fermentation. In: Annals of Biology (Hissar) Volume: 31 Issue: 2 Pages: 165-170, WOS
64. [1.1] Mansour, AA (Mansour, A. A.); Da Costa, A (Da Costa, A.); Arnaud, T (Arnaud, T.); Lu-Chau, TA (Lu-Chau, T. A.); Fdz-Polanco, M (Fdz-Polanco, Maria); Moreira, MT (Moreira, M. T.); Rivero, JAC (Rivero, J. A. Cacho): Review of lignocellulolytic enzyme activity analyses and scale-down to microplate-based assays. In: TALANTA Volume: 150 Pages: 629-637, WOS
65. [1.1] Mansour, AA (Mansour, A. A.); Da Costa, A (Da Costa, A.); Arnaud, T (Arnaud, T.); Lu-Chau, TA (Lu-Chau, T. A.); Fdz-Polanco, M (Fdz-Polanco, Maria); Moreira, MT (Moreira, M. T.); Rivero, JAC (Rivero, J. A. Cacho): Review of lignocellulolytic enzyme activity analyses and scale-down to microplate-based assays. In: TALANTA Volume: 150 Pages: 629-637, WOS
66. [1.1] Mansour, AA (Mansour, A. A.); Da Costa, A (Da Costa, A.); Arnaud, T (Arnaud, T.); Lu-Chau, TA (Lu-Chau, T. A.); Fdz-Polanco, M (Fdz-Polanco, Maria); Moreira, MT (Moreira, M. T.); Rivero, JAC (Rivero, J. A. Cacho): Review of lignocellulolytic enzyme activity analyses and scale-down to microplate-based assays. In: TALANTA Volume: 150 Pages: 629-637, WOS
67. [1.1] Martelli-Tosi, M (Martelli-Tosi, Milena); Torricillas, MD (Torricillas, Marcela da Silva); Martins, MA (Martins, Maria Alice); de Assis, OBG (Garrido de Assis, Odilio Benedito); Tapia-Blacido, DR (Tapia-Blacido, Delia Rita): Using Commercial Enzymes to Produce Cellulose Nanofibers from Soybean Straw. In. JOURNAL OF NANOMATERIALS Article Number: 8106814, WOS
68. [1.1] Masutti, DC (Masutti, Dayanne C.); Scardovi, F (Scardovi, Fabio); Borgognone, A (Borgognone, Alessandra); Setti, L (Setti, Leonardo): Agro-food Wastes for the Release of Phyto-Chemicals and the Production of Enzymes by Solid State Fermentation Using Pleurotus ostreatus. In: 5TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL BIOTECHNOLOGY (IBIC 2016) Book Series Title: Chemical Engineering Transactions Volume: 49 Pages: 139-144, WOS
69. [1.1] Meehnian, H (Meehnian, Harmanpreet); Jana, AK (Jana, Asim K.); Jana, MM (Jana, Mithu Maiti): Effect of particle size, moisture content, and supplements on selective pretreatment of cotton stalks by Daedalea flavida and enzymatic saccharification. In: 3 BIOTECH Volume: 6 Article Number: 235, WOS
70. [1.1] Menegol, D (Menegol, Daiane); Fontana, RC (Fontana, Roselei Claudete); Dillon, AJP (Pinheiro Dillon, Aldo Jose); Camassola, M (Camassola, Marli): Second-generation ethanol production from elephant grass at high total solids. In: BIORESOURCE TECHNOLOGY Volume: 211 Pages: 280-290, WOS
71. [1.1] Menegol, D (Menegol, Daiane); Scholl, AL (Scholl, Angelica Luisi); Dillon, AJP (Pinheiro Dillon, Aldo Jose); Camassola, M (Camassola, Marli): Menegol, D (Menegol, Daiane); Scholl, AL (Scholl, Angelica Luisi); Dillon, AJP (Pinheiro Dillon, Aldo Jose); Camassola, M (Camassola, Marli): Influence of different chemical pretreatments of elephant grass (Pennisetum purpureum, Schum.) used as a substrate for cellulase and xylanase production in submerged cultivation. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 9 Pages: 1455-1464, WOS
72. [1.1] Montiel, C (Montiel, Carmina); Hernandez-Melendez, O (Hernandez-Melendez, Oscar); Vivaldo-Lima, E (Vivaldo-Lima, Eduardo); Hernandez-Luna, M (Hernandez-Luna, Martin); Barzana, E (Barzana, Eduardo): Enhanced Bioethanol Production from Blue Agave Bagasse in a

Combined Extrusion-Saccharification Process. In: BioEnergy Research Volume: 9 Issue: 4 Pages: 1005-1014, WOS
73. [1.1] Morais, CG (Morais, Camila G.); Lara, CA (Lara, Carla A.); Oliveira, ES (Oliveira, Evelyn S.); Peter, G (Peter, Gabor); Dlauchy, D (Dlauchy, Denes); Rosa, CA (Rosa, Carlos A.): Spencermartinsiella silvicola sp nov., a yeast species isolated from rotting wood. In: INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY Volume: 66 Pages: 604-608, WOS
74. [1.1] Moteshafi, H (Moteshafi, H.); Hashemi, M (Hashemi, M.); Mousavi, SM (Mousavi, S. M.); Mousivand, M (Mousivand, M.): Characterization of produced xylanase by Bacillus subtilis D3d newly isolated from apricot phyllosphere and its potential in pre-digestion of BSG. In: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: 37 Pages: 251-260, WOS
75. [1.1] Moteshafi, H (Moteshafi, Hadis); Mousavi, SM (Mousavi, Seyyed Mohammad); Hashemi, M (Hashemi, Maryam): Enhancement of xylanase productivity using industrial by-products under solid suspended fermentation in a stirred tank bioreactor, with a dissolved oxygen constant control strategy. In: RSC ADVANCES Volume: 6 Issue: 42 Pages: 35559-35567, WOS
76. [1.1] Mukherjee, A (Mukherjee, Anjan); Dutta, D (Dutta, Dipanjan); Banerjee, S (Banerjee, Sudeshna); Ringo, E (Ringo, Einar); Breines, EM (Breines, Eva Marie); Hareide, E (Hareide, Ellinor); Chandra, G (Chandra, Goutam); Ghosh, K (Ghosh, Koushik): Potential probiotics from Indian major carp, Cirrhinus mrigala. Characterization, pathogen inhibitory activity, partial characterization of bacteriocin and production of exoenzymes. In: RESEARCH IN VETERINARY SCIENCE Volume: 108 Pages: 76-84, WOS
77. [1.1] Mukherjee, A (Mukherjee, Anjan); Ghosh, K (Ghosh, Koushik): Antagonism against fish pathogens by cellular components and verification of probiotic properties in autochthonous bacteria isolated from the gut of an Indian major carp, Catla catla (Hamilton). In: AQUACULTURE RESEARCH Volume: 47 Issue: 7 Pages: 2243-2255, WOS
78. [1.1] Mukherjee, S (Mukherjee, Soumya); Khowala, S (Khowala, Suman): Unraveling the secretome of Termitomyces clypeatus grown on agroresidues as a potential source for bioethanol production. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 11 Pages: 1793-1807, WOS
79. [1.1] Nguyen, TT (Thanh Trung Nguyen); Nguyen, MH (Minh Hung Nguyen); Nguyen, HT (Huy Thuan Nguyen); Nguyen, HA (Hoang Anh Nguyen); Le, TH (Thi Hoi Le); Schweder, T (Schweder, Thomas); Jurgen, B (Juergen, Britta): JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY Volume: 26 Issue: 8 Pages: 1464-1472, WOS
80. [1.1] Padder, Shahid Ahmad; Dar, G. H.; Mohiddin, F. A.; Shah, M. D.: Characterization and Plant Growth Promoting Aspects of a Novel Phosphate Solubilizing Brown Sarson Endophyte Pseudomonas fluorescens Strain smppsap5 Isolated from Northern Himalayas of India. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 2003-2018, WOS
81. [1.1] Patane, C (Patane, C.); Pellegrino, A (Pellegrino, A.); Malvuccio, A (Malvuccio, A.); Siracusa, L (Siracusa, L.); Ruberto, G (Ruberto, G.); Rizzo, V (Rizzo, V.); Giuffrida, F (Giuffrida, F.): Minimally processed long-storage Mediterranean tomato: a novel product from traditional crops in the agrifood industry. In: III INTERNATIONAL CONFERENCE ON FRESH-CUT PRODUCE: MAINTAINING QUALITY AND SAFETY Book Series Title: Acta Horticulturae Volume: 1141 Pages: 297-303, WOS
82. [1.1] Pengilly, C (Pengilly, C.); Garcia-Aparicio, MP (Garcia-Aparicio, M. P.); Diedericks, D (Diedericks, D.); Gorgens, JF (Gorgens, J. F.).: Optimization of Enzymatic Hydrolysis of Steam Pretreated Triticale Straw. In: BIOENERGY RESEARCH Volume: 9 Issue: 3 Pages: 851-863, WOS
83. [1.1] Perez-Rodriguez, N (Perez-Rodriguez, N.); Moreira, CD (Moreira, C. D.); Agrasar, AT (Agrasar, A. Torrado); Dominguez, JM (Dominguez, J. M.): Feruloyl esterase production by Aspergillus terreus CECT 2808 and subsequent application to enzymatic hydrolysis. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 91 Pages: 52-58, WOS
84. [1.1] Ramanjaneyulu, G (Ramanjaneyulu, Golla); Reddy, BR (Reddy, Bontha Rajasekhar): Optimization of Xylanase Production through Response Surface Methodology by Fusarium sp BVKT R2 Isolated from Forest Soil and Its Application in Saccharification. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1450, WOS
85. [1.1] Rastogi, S (Rastogi, Shubhangi); Soni, R (Soni, Raman); Kaur, J (Kaur, Jaspreet); Soni, SK (Soni, Sanjeev Kumar): Unravelling the capability of Pyrenophora phaeocomes S-1 for the production of ligno-hemicellulolytic enzyme cocktail and simultaneous bio-delignification of rice straw for enhanced enzymatic saccharification. In: BIORESOURCE TECHNOLOGY Volume: 222 Pages: 458-469, WOS
86. [1.1] Ravichandra, K (Ravichandra, K.); Yaswanth, VVN (Yaswanth, V. V. N.); Nikhila, B (Nikhila, B.); Ahmad, J (Ahmad, Jamal); Rao, PS (Rao, P. Srinivasa); Uma, A (Uma, A.); Ravindrababu, V (Ravindrababu, V.); Prakasham, RS (Prakasham, R. S.): Xylanase Production by

Isolated Fungal Strain, Aspergillus fumigatus RSP-8 (MTCC 12039): Impact of Agro-industrial Material as Substrate. In: SUGAR TECH Volume: 18 Issue: 1 Pages: 29-38, WOS
87. [1.1] Reis, WLS (Reis, W. L. S.); Detmann, E (Detmann, E.); Batista, ED (Batista, E. D.); Rufino, LMA (Rufino, L. M. A.); Gomes, DI (Gomes, D. I.); Bento, CBP (Bento, C. B. P.); Mantovani, HC (Mantovani, H. C.); Valadares, SC (Valadares Filho, S. C.): Effects of ruminal and post-ruminal protein supplementation in cattle fed tropical forages on insoluble fiber degradation, activity of fibrolytic enzymes, and the ruminal microbial community profile. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 218 Pages: 1-16, WOS
88. [1.1] Rezaei, F (Rezaei, F.); Simmons, CW (Simmons, C. W.); Lee, CM (Lee, C. M.); Labavitch, J (Labavitch, J.); VanderGheynst, JS (VanderGheynst, J. S.): DYNAMICS IN CARBOHYDRATE ACTIVE ENZYMES AND MICROBIAL COMMUNITIES DURING ENSILAGE OF FOOD PROCESSING RESIDUES. In: APPLIED ENGINEERING IN AGRICULTURE Volume: 32 Issue: 3 Pages: 439-447, WOS
89. [1.1] Roongsawang, N (Roongsawang, Niran); Puseenam, A (Puseenam, Aekkachai); Kitikhun, S (Kitikhun, Supattra); Sae-Tang, K (Sae-Tang, Kittapong); Harnpicharnchai, P (Harnpicharnchai, Piyanun); Ohashi, T (Ohashi, Takao); Fujiyama, K (Fujiyama, Kazuhito); Tirasophon, W (Tirasophon, Witoon); Tanapongpipat, S (Tanapongpipat, Sutipa): A Novel Potential Signal Peptide Sequence and Overexpression of ER-Resident Chaperones Enhance Heterologous Protein Secretion in Thermotolerant Methylotrophic Yeast Ogataea thermomethanolica. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 178 Issue: 4 Pages: 710-724, WOS
90. [1.1] Rossi, R (Rossi, Ruggero); Cavina, M (Cavina, Mattia); Setti, L (Setti, Leonardo): Characterization of Electron Transfer Mechanism in Mediated Microbial Fuel Cell by Entrapped Electron Mediator in Saccharomyces Cerevisiae. In: 5TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL BIOTECHNOLOGY (IBIC 2016) Book Series Title: Chemical Engineering Transactions Volume: 49 Pages: 559-564, WOS
91. [1.1] Royvaran, M (Royvaran, Maryam); Taheri-Kafrani, A (Taheri-Kafrani, Asghar); Isfahani, AL (Isfahani, Amir Landarani); Mohammadi, S (Mohammadi, Shima): Functionalized superparamagnetic graphene oxide nanosheet in enzyme engineering: A highly dispersive, stable and robust biocatalyst. In: CHEMICAL ENGINEERING JOURNAL Volume: 288 Pages: 414-422, WOS
92. [1.1] Schwarz, D (Schwarz, Dominik); Dorrstein, J (Doerrstein, Joerg); Kugler, S (Kugler, Sabine); Schieder, D (Schieder, Doris); Zollfrank, C (Zollfrank, Cordt); Sieber, V (Sieber, Volker): Integrated biorefinery concept for grass silage using a combination of adapted pulping methods for advanced saccharification and extraction of lignin. In: BIORESOURCE TECHNOLOGY Volume: 216 Pages: 462-470, WOS
93. [1.1] Selim, Samy: Molecular Characterization of Thermostable xylanase Producing Thermoactinomyces vulgaris HSB4. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 1965-1969, WOS
94. [1.1] Sella, L (Sella, L.); Gazzetti, K (Gazzetti, K.); Castiglioni, C (Castiglioni, C.); Schafer, W (Schaefer, W.); D'Ovidio, R (D'Ovidio, R.); Favaron, F (Favaron, F.): The Fusarium graminearum Xyr1 transcription factor regulates xylanase expression but is not essential for fungal virulence. In: PLANT PATHOLOGY Volume: 65 Issue: 5 Pages: 713-722, WOS
95. [1.1] Shahrestani, H (Shahrestani, Hourasa); Taheri-Kafrani, A (Taheri-Kafrani, Asghar); Soozanipour, A (Soozanipour, Asieh); Tavakoli, O (Tavakoli, Omid): Enzymatic clarification of fruit juices using xylanase immobilized on 1,3,5-triazine-functionalized silica-encapsulated magnetic nanoparticles. In: BIOCHEMICAL ENGINEERING JOURNAL Volume: 109 Pages: 51-58, WOS
96. [1.1] Sharma, M (Sharma, Manju); Mahajan, C (Mahajan, Chhavi); Bhatti, MS (Bhatti, Manpreet S.); Chadha, BS (Chadha, Bhupinder Singh): Profiling and production of hemicellulases by thermophilic fungus Malbranchea flava and the role of xylanases in improved bioconversion of pretreated lignocellulosics to ethanol. In: 3 BIOTECH Volume: 6 Article Number: 30, WOS
97. [1.1] Shelomi, M (Shelomi, Matan); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): Ancestral gene duplication enabled the evolution of multifunctional cellulases in stick insects (Phasmatodea). In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 1-11, WOS
98. [1.1] Shelomi, M (Shelomi, Matan); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): Ancestral gene duplication enabled the evolution of multifunctional cellulases in stick insects (Phasmatodea). In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 1-11, WOS
99. [1.1] Shelomi, M (Shelomi, Matan); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): Ancestral gene duplication enabled the evolution of multifunctional cellulases in stick insects (Phasmatodea). In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71

Pages: 1-11, WOS
100. [1.1] Shen, R (Shen, Rui); Li, HQ (Li, Hong-Qiang); Zhang, J (Zhang, Jie); Xu, J (Xu, Jian): Effects of Impurities in Alkali-Extracted Xylan on Its Enzymatic Hydrolysis to Produce Xylo-Oligosaccharides. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 179 Issue: 5 Pages: 740-752, WOS
101. [1.1] Shrivastava, Smriti; Kumar, Vishal; Baweja, Mehak; Shukla, Pratyoosh: Enhanced Xylanase Production from Thermomyces lanuginosus NCIM 1374/DSM 28966 using Statistical Analysis. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 2225-2230, WOS
102. [1.1] Sohail, M (Sohail, Muhammad); Latif, Z (Latif, Zakia): Phylogenetic Analysis of Polygalacturonase-Producing Bacillus and Pseudomonas Isolated From Plant Waste Material. In: JUNDISHAPUR JOURNAL OF MICROBIOLOGY Volume: 9 Issue: 1 Article Number: e28594, WOS
103. [1.1] Sridevi, A (Sridevi, A.); Sandhya, A (Sandhya, A.); Ramanjaneyulu, G (Ramanjaneyulu, G.); Narasimha, G (Narasimha, G.); Devi, PS (Devi, P. Suvarnalatha): Biocatalytic activity of Aspergillus niger xylanase in paper pulp biobleaching. In: 3 BIOTECH Volume: 6 Article Number: 165, WOS
104. [1.1] Sunardi (Sunardi); Tanabe, J (Tanabe, Jun); Ishiguri, F (Ishiguri, Futoshi); Ohshima, J (Ohshima, Jyunichi); Iizuka, K (Iizuka, Kazuya); Yokota, S (Yokota, Shinso): Changes in lignocellulolytic enzyme activity during the degradation of Picea jezoensis wood by the white-rot fungus Porodaedalea pini. In: INTERNATIONAL BIODETERIORATION & BIODEGRADATION Volume: 110 Pages: 108-112, WOS
105. [1.1] Tang, HT (Tang, Hongting); Wang, SH (Wang, Shenghuan); Wang, JJ (Wang, Jiajing); Song, MH (Song, Meihui); Xu, MY (Xu, Mengyang); Zhang, MY (Zhang, Mengying); Shen, Y (Shen, Yu); Hou, J (Hou, Jin); Bao, XM (Bao, Xiaoming): N-hypermannose glycosylation disruption enhances recombinant protein production by regulating secretory pathway and cell wall integrity in Saccharomyces cerevisiae. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 25654, WOS
106. [1.1] Terrasan, CRF (Fanchini Terrasan, Cesar Rafael); Guisan, JM (Manuel Guisan, Jose); Carmona, EC (Carmona, Eleonora Cano): Xylanase and beta-xylosidase from Penicillium janczewskii: Purification, characterization and hydrolysis of substrates. In: ELECTRONIC JOURNAL OF BIOTECHNOLOGY Volume: 23 Pages: 54-62, WOS
107. [1.1] Terrasan, CRF (Fanchini Terrasan, Cesar Rafael); Trobo-Maseda, L (Trobo-Maseda, Lara); Moreno-Perez, S (Moreno-Perez, Sonia); Carmona, EC (Cano Carmona, Eleonora); Pessela, BC (Costa Pessela, Benevides); Guisan, JM (Manuel Guisan, Jose): Co-immobilization and stabilization of xylanase, beta-xylosidase and alpha-L-arabinofuranosidase from Penicillium janczewskii for arabinoxylan hydrolysis. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 5 Pages: 614-623, WOS
108. [1.1] Thomas, L (Thomas, Leya); Parameswaran, B (Parameswaran, Binod); Pandey, A (Pandey, Ashok): Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic xylanase from Aspergillus sp for bioethanol production. In: RENEWABLE ENERGY Volume: 98 Special Issue: SI Pages: 9-15, WOS
109. [1.1] Uday, USP (Uday, Uma Shankar Prasad); Bandyopadhyay, TK (Bandyopadhyay, Tarun Kanti); Bhunia, B (Bhunia, Biswanath): Optimization of nutritional and physiochemical requirements on acidic xylanase production from Aspergillus niger KP874102.1. In: : MATERIALS TODAY-PROCEEDINGS Volume: 3 Issue: 10 Pages: 3367-3374, WOS
110. [1.1] Uday, USP (Uday, Uma Shankar Prasad); Bandyopadhyay, TK (Bandyopadhyay, Tarun Kanti); Bhunia, B (Bhunia, Biswanath): Rapid development of xylanase assay conditions using Taguchi methodology. In: BIOENGINEERED Volume: 7 Issue: 6 Pages: 424-431, WOS
111. [1.1] Valadares, F (Valadares, Fernanda); Goncalves, TA (Goncalves, Thiago A.); Goncalves, DSPO (Goncalves, Dayelle S. P. O.); Segato, F (Segato, Fernando); Romanel, E (Romanel, Elisson); Milagres, AMF (Milagres, Adriane M. F.); Squina, FM (Squina, Fabio M.); Ferraz, A (Ferraz, Andre): Exploring glycoside hydrolases and accessory proteins from wood decay fungi to enhance sugarcane bagasse saccharification. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 110, WOS
112. [1.1] Virtanen, T (Virtanen, Tommi); Penttila, PA (Penttila, Paavo A.); Maloney, TC (Maloney, Thaddeus C.); Gronqvist, S (Gronqvist, Stina); Kamppuri, T (Kamppuri, Taina); Vehvilainen, M (Vehvilainen, Marianna); Serimaa, R (Serimaa, Ritva); Maunu, SL (Maunu, Sirkka Liisa): Impact of mechanical and enzymatic pretreatments on softwood pulp fiber wall structure studied with NMR spectroscopy and X-ray scattering. In: : CELLULOSE Volume: 22 Issue: 3 Pages: 1565-1576, WOS
113. [1.1] Wahab, MKHB (Wahab, Mohd Khairul Hakimi bin Abdul); bin Jonet, MA (bin Jonet, Mohd Anuar); Illias, RM (Illias, Rosli Md): Thermostability enhancement of xylanase Aspergillus

fumigatus RT-1. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 134 Pages: 154-163, WOS
114. [1.1] Wallace, J (Wallace, Joshua); Brienzo, M (Brienzo, Michel); Garcia-Aparicio, MP (Garcia-Aparicio, Maria P.); Gorgens, JF (Goergens, Johann F.): Lignin enrichment and enzyme deactivation as the root cause of enzymatic hydrolysis slowdown of steam pretreated sugarcane bagasse. In: NEW BIOTECHNOLOGY Volume: 33 Issue: 3 Pages: 361-371, WOS
115. [1.1] Wang, JK (Wang, Jiakun); Liu, M (Liu, Mei); Wu, YL (Wu, Yuelei); Wang, L (Wang, Liang); Liu, JX (Liu, Jianxin); Jiang, LS (Jiang, Linshu); Yu, ZT (Yu, Zhongtang): Medicinal herbs as a potential strategy to decrease methane production by rumen microbiota: a systematic evaluation with a focus on Perilla frutescens seed extract. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 22 Pages: 9757-9771, WOS
116. [1.1] Watanabe, M (Watanabe, Masahiro); Fukada, H (Fukada, Harumi); Ishikawa, K (Ishikawa, Kazuhiko): Construction of Thermophilic Xylanase and Its Structural Analysis. In: BIOCHEMISTRY Volume: 55 Issue: 31 Pages: 4399-4409, WOS
117. [1.1] Widyahapsari, DAN (Widyahapsari, Dhina Aprilia Nurani); Indrati, R (Indrati, Retno); Setyabudi, S (Setyabudi, Sigit); Sardjono (Sardjono): Evaluation of Lime Pretreatment for Bioconversion of Rice Straw to L-Lactic Acid by Rhizopus Oryzae AT3. In: AGRITECH-JURNAL TEKNOLOGI PERTANIAN Volume: 36 Issue: 3 Pages: 253-260, WOS
118. [1.1] Wu, SY (Wu, Shuyu); Wang, YL (Wang, Yilin); Shen, TT (Shen, Tingting); Wang, JH (Wang, Junhui); Zhang, GY (Zhang, Guangya): Investigation on the underlying mechanism: How fusion xylanase-ELPs self-assembles into insoluble active aggregates. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 134 Pages: 247-252, WOS
119. [1.1] Xin, FX (Xin, Fengxue); Wang, C (Wang, Chao); Dong, WL (Dong, Weiliang); Zhang, WM (Zhang, Wenming); Wu, H (Wu, Hao); Ma, JF (Ma, Jiangfeng); Jiang, M (Jiang, Min): Comprehensive investigations of biobutanol production by a non-acetone and 1,3-propanediol generating Clostridium strain from glycerol and polysaccharides. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 220, WOS
120. [1.1] Yan, Y (Yan, Yu); Basu, A (Basu, Anindya); Li, TG (Li, Tinggang); He, JZ (He, Jianzhong): : Direct Conversion of Xylan to Butanol by a Wild-Type Clostridium Species Strain G117. In: BIOTECHNOLOGY AND BIOENGINEERING Volume: 113 Issue: 8 Pages: 1702-1710, WOS
121. [1.1] Yatmaz, E (Yatmaz, Ercan); Karahalil, E (Karahalil, Ercan); Germec, M (Germec, Mustafa); Ilgin, M (Ilgin, Merve); Turhan, I (Turhan, Irfan): Controlling filamentous fungi morphology with microparticles to enhanced beta-mannanase production. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 9 Pages: 1391-1399, WOS
122. [1.1] Zahoor, S (Zahoor, Sana); Javed, HM (Javed, Huhammad Mohsin); Babar, ME (Babar, Masroor Ellahi): Characterization Of A Novel Hydrolytic Enzyme Producing Thermophilic Bacterium Isolated From The Hot Spring Of Azad Kashmir-Pakistan. In: BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 59 Article Number: e16150622, WOS
123. [1.1] Zhang, DD (Zhang, Dongdong); Wang, Y (Wang, Yi); Zheng, D (Zheng, Dan); Guo, P (Guo, Peng); Cheng, W (Cheng, Wei); Cui, ZJ (Cui, Zongjun): New combination of xylanolytic bacteria isolated from the lignocellulose degradation microbial consortium XDC-2 with enhanced xylanase activity. In: BIORESOURCE TECHNOLOGY Volume: 221 Pages: 686-690, WOS
124. [1.1] Zhang, F (Zhang, Fei); Bai, FW (Bai, Fengwu); Zhao, XQ (Zhao, Xinqing): Enhanced cellulase production from Trichoderma reesei Rut-C30 by engineering with an artificial zinc finger protein library. In: BIOTECHNOLOGY JOURNAL Volume: 11 Issue: 10 Pages: 1282-1290, WOS
125. [1.1] Zhou, HF (Zhou, Haifeng); Qiu, XQ (Qiu, Xueqing); Yang, DJ (Yang, Dongjie); Xie, SQ (Xie, Shaoqu): Laccase and Xylanase Incubation Enhanced the Sulfomethylation Reactivity of Alkali Lignin. In. : ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 3 Pages: 1248-1254, WOS
126. [1.1] de Souza, AR (de Souza, Angelica R.); de Araujo, GC (de Araujo, Gabriela C.); Zanphorlin, LM (Zanphorlin, Leticia M.); Ruller, R (Ruller, Roberto); Franco, FC (Franco, Fernanda C.); Torres, FAG (Torres, Fernando A. G.); Mertens, JA (Mertens, Jeffrey A.); Bowman, MJ (Bowman, Michael J.); Gomes, E (Gomes, Eleni); Da Silva, R (Da Silva, Roberto): Engineering increased thermostability in the GH-10 endo-1,4-beta-xylanase from Thermoascus aurantiacus CBMAI 756. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 20-26, WOS
127. [1.1] dos Santos, JA (dos Santos, Juliana A.); Vieira, JMF (Vieira, Juliana M. F.); Videira, A (Videira, Alexandre); Meirelles, LA (Meirelles, Lucas A.); Rodrigues, A (Rodrigues, Andre); Taniwaki, MH (Taniwaki, Marta H.); Sette, LD (Sette, Lara D.): Marine-derived fungus Aspergillus cf. tubingensis LAMAI 31: a new genetic resource for xylanase production. In: AMB EXPRESS Volume: 6 Article Number: 25, WOS

128. [1.2] Bakri, Y., Ammouneh, H., Harba, M., Akeed, Y., Audi, R., & Peng, L. C. (2016). Xylanase production by a new bacillus pumilus SY30A under solid state fermentation and its application in oil palm biomass pulp bleaching. Journal of Sustainability Science and Management, 11(2), 49-56, SCOPUS
129. [1.2] Banerjee, S., Mukherjee, A., Dutta, D., & Ghosh, K. (2016). Non-starch polysaccharide degrading gut bacteria in indian major carps and exotic carps. Jordan Journal of Biological Sciences, 9(1), 69-78, SCOPUS
130. [1.2] Helianti, I., Ulfah, M., Nurhayati, N., Suhendar, D., Finalissari, A. K., & Wardani, A. K. (2016). Production of xylanase by recombinant bacillus subtilis DB104 cultivated in agroindustrial waste medium. HAYATI Journal of Biosciences, 23(3), 125-131, SCOPUS
131. [1.2] Janveja, C., Rana, S. S., & Soni, S. K. (2016). Statistical optimization of media components for the enhanced B-xylanase and B-mannanase production from aspergillus niger C-5 via solid state fermentation of wheat bran. International Journal of Pharma and Bio Sciences, 7(1), B89-B102, SCOPUS
132. [1.2] Khvedelidze, R., Tsiklauri, N., Aleksidze, T., & Kvesitadze, E. (2016). Enzymatic hydrolysis of lignocellulosic agricultural wastes to fermentable glucose. Bulletin of the Georgian National Academy of Sciences, 10(2), 138-147, SCOPUS
133. [1.2] Kumar, A., Dutt, D., & Gautam, A. (2016). Production of crude enzyme from aspergillus nidulans AKB-25 using black gram residue as the substrate and its industrial applications. Journal of Genetic Engineering and Biotechnology, 14(1), 107-118, SCOPUS
134. [1.2] Malhotra, G., Jeshreena, R., & Chapadgaonkar, S. S. (2016). Aqueous two phase purification of xylanase obtained from a bacterial isolate. International Journal of Pharma and Bio Sciences, 7(4), B305-B308, SCOPUS
135. [1.2] Millicent Mabel, M., Parthasarathy, N., Rajkumar, J., Gururaj, P. N., & Thulasi Priyadharshini, M. (2016). A study on the immobilization of acid xylanase on chitosan from chitin of shrimp shells. Journal of Chemical and Pharmaceutical Sciences, 9(1), 268-271, SCOPUS
136. [1.2] Nadaroglu, H., & Sonmez, Z. (2016). Purification of an endo-beta 1,4-mannanase from clitocybe geotropa and immobilization on chitosan-coated magnetite nanoparticles: Application for fruit juices. Digest Journal of Nanomaterials and Biostructures, 11(2), 685-697, SCOPUS
137. [1.2] Pandian, R., Vigneswaran, T., & Lalithakumari, S. (2016). Characterization of CT cancer lung image using image compression algorithms and feature extraction. Journal of Scientific and Industrial Research, 75(12), 747-751, SCOPUS
138. [1.2] Reffas, F. Z. I., Missouri, A., Nourine, Z., Tifrit, A., Larbi Daouadji, K., Tayeb, S., & Abbouni, B. (2016). Optimization of cellulase production by bacterial strains, isolated from the soils of the north west of algeria. Der Pharmacia Lettre, 8(17), 42-48, SCOPUS
139. [1.2] Toumi, S., Tifrit, A., Hadjazi, D., Chama, Z., & Abbouni, B. (2016). Production of a thermostable amylase by yeast strainisolated from sahari-ansoils cultivated in soft cheese whey. Der Pharmacia Lettre, 8(17), 32-41, SCOPUS
140. [1.2] Wan Azelee, N. I., Jahim, J. M., Ismail, A. F., Fuzi, S. F. Z. M., Rahman, R. A., Ghazali, N. F., & Illias, R. M. (2016). Enzymatic hydrolysis of pretreated kenaf using a recombinant xylanase: Effects of reaction conditions for optimum hemicellulose hydrolysis. American Journal of Agricultural and Biological Science, 11(2), 54-66, SCOPUS

ADCA24 BALESTRI, Mirko - CECCARINI, Alessio - FORINO, Laura Maria Constantina - ZELKO, Ivan - MARTINKA, Michal - LUX, Alexander - CASTIGLIONE, Monica Ruffini. Cadmium uptake, localization and stress-induced morphogenic response in the fern Pteris Vittata. In Planta, 2014, vol. 239, p. 1055-1064. (3.376 - IF2013). (2014 - Current Contents). ISSN 0032-0935.

Citácie:

1. [1.1] Cornu, JY (Cornu, J. Y.); Bakoto, R (Bakoto, R.); Bonnard, O (Bonnard, O.); Bussiere, S (Bussiere, S.); Coriou, C (Coriou, C.); Sirguey, C (Sirguey, C.); Sterckeman, T (Sterckeman, T.); Thunot, S (Thunot, S.); Visse, MI (Visse, M. I.); Nguyen, C (Nguyen, C.): Cadmium uptake and partitioning during the vegetative growth of sunflower exposed to low Cd2+ concentrations in hydroponics. In: PLANT AND SOIL Volume: 404 Issue: 1-2 Pages: 263-275, WOS
2. [1.1] Hawes, MC (Hawes, Martha C.); McLain, J (McLain, Jean); Ramirez-Andreotta, M (Ramirez-Andreotta, Monica); Curlango-Rivera, G (Curlango-Rivera, Gilberto); Flores-Lara, Y (Flores-Lara, Yolanda); Brigham, LA (Brigham, Lindy A.): Extracellular Trapping of Soil Contaminants by Root Border Cells: New Insights into Plant Defense. In: AGRONOMY-BASEL Volume: 6 Issue: 1 Article Number: 5, WOS
3. [1.1] Li, QC (Li, Qinchun); Yang, XY (Yang, Xiaoyan); Wang, HB (Wang, Hongbin); Wang, HJ (Wang, Haijuan); He, SJ (He, Shujuan): Endogenous trans-zeatin content in plants with different metal-accumulating ability: a field survey. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 23 Pages: 23422-23435, WOS
4. [1.1] Liu, HW (Liu, Haiwei); Wang, HY (Wang, Haiyun); Ma, YB (Ma, Yibing); Wang, HH (Wang, Haohao); Shi, Y (Shi, Yi): Role of transpiration and metabolism in translocation and

accumulation of cadmium in tobacco plants (Nicotiana tabacum L.). In: CHEMOSPHERE Volume: 144 Pages: 1960-1965, WOS
5. [1.1] Shi, QY (Shi, Qiuyue); Wang, JR (Wang, Junran); Zou, JH (Zou, Jinhua); Jiang, Z (Jiang, Ze); Wang, JY (Wang, Jiayue); Wu, HF (Wu, Hangfeng); Jiang, WS (Jiang, Wusheng); Liu, DH (Liu, Donghua): Cd Subcellular Localization in Root Tips of Hordeum vulgare. In: POLISH JOURNAL OF ENVIRONMENTAL STUDIES Volume: 25 Issue: 2 Pages: 903-908, WOS
6. [1.1] Yue, RQ (Yue, Runqing); Lu, CX (Lu, Caixia); Qi, JS (Qi, Jianshuang); Han, XH (Han, Xiaohua); Yan, SF (Yan, Shufeng); Guo, SL (Guo, Shulei); Liu, L (Liu, Lu); Fu, XL (Fu, Xiaolei); Chen, NN (Chen, Nana); Yin, HY (Yin, Haiyan); Chi, HF (Chi, Haifeng); Tie, SG (Tie, Shuanggui): Transcriptome Analysis of Cadmium-Treated Roots in Maize (Zea mays L.). In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1298, WOS
7. [1.1] de Freitas-Silva, L (de Freitas-Silva, Larisse); de Araujo, TO (de Araujo, Talita Oliveira); da Silva, LC (da Silva, Luzimar Campos); de Oliveira, JA (de Oliveira, Juraci Alves); de Araujo, JM (de Araujo, Joao Marcos): Arsenic accumulation in Brassicaceae seedlings and its effects on growth and plant anatomy. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 124 Pages: 1-9, WOS
8. [1.2] Piršelová, B., Kuna, R., Lukáč, P., & Havrlentová, M. (2016). Effect of cadmium on growth, photosynthetic pigments, iron and cadmium accumulation of faba bean (vicia faba cv. aštar). Agriculture, 62(2), 72-79, SCOPUS

ADCA25 BAŇASOVÁ, Mária - VALACHOVÁ, Katarína - RYCHLÝ, Jozef - JANIGOVÁ, Ivica - CSOMOROVÁ, Katarína - MENDICHI, Raniero - MISLOVIČOVÁ, Danica - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Effect of bucillamine on free-radical-mediated degradation of high-molar-mass hyaluronan induced in vitro by ascorbic acid and Cu(II) ions. In Polymers : Open Access Polymer Science Journal, 2014, vol. 6, no. 10, p. 2625-2644. (2.505 - IF2013). (2014 - Current Contents). ISSN 2073-4360.(VEGA č. 2/0011/11 : Štúdium pôsobenia reaktívnych foriem kyslíka a dusíka na vysokomolekulový hyalurónan, synoviocyty a chondrocyty. VEGA č. 2/0149/12 : Zlyhanie mozgového energetického metabolizmu v patobiochemickom mechanizme hypoxicko-ischemického poškodenia mozgu novorodencov. ITMS 26240220040 : Hodnotenie prírodných látok a ich výber pre prevenciu a liečbu civilizačných ochorení. APVV-0351-10 : Výskum technológií príprav disperzných koloidných sústav s multifunkčným efektom s realizáciou v liečebnej kozmetike).

Citácie:
1. [1.1] WU, T. - WU, C. - XIANG, Y. - HUANG, J. - LUAN, L. - CHEN, S. - HU, Y. Kinetics and mechanism of degradation of chitosan by combining sonolysis with H2O2/ascorbic acid. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 80, p. 76280-76287., WOS

ADCA26 BARAN, Richard - KOCHI, Hayataro - SAITO, Natsumi - SUEMATSU, Makoto - SOGA, Tomoyoshi - NISHIOKA, Takaaki - ROBERT, Martin - TOMITA, Masaru. MathDAMP: a pckage for differential analysis of metabolite profiles. In BMC Bioinformatic, 2006, vol. 7, p. 1-9. ISSN 1471-2105.

Citácie:
1. [1.1] Hounoum, BM (Hounoum, Blandine Madji); Blasco, H (Blasco, Helene); Emond, P (Emond, Patrick); Mavel, S (Mavel, Sylvie): Liquid chromatography-high-resolution mass spectrometry-based cell metabolomics: Experimental design, recommendations, and applications. In: TRAC-TRENDS IN ANALYTICAL CHEMISTRY Volume: 75 Pages: 118-128, WOS
2. [1.1] Ji, HC (Ji, Hongchao); Lu, HM (Lu, Hongmei); Zhang, ZM (Zhang, Zhimin): Pure ion chromatogram extraction via optimal k-means clustering. In: RSC ADVANCES Volume: 6 Issue: 62 Pages: S6977-S6985, WOS
3. [1.1] Mias, GI (Mias, George I.); Yusufaly, T (Yusufaly, Tahir); Roushangar, R (Roushangar, Raeuf); Brooks, LRK (Brooks, Lavida R. K.); Singh, VV (Singh, Vikas V.); Christou, C (Christou, Christina): MathIOmica: An Integrative Platform for Dynamic Omics. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 37237, WOS
4. [1.1] Vasilakou, E (Vasilakou, Eleni); Machado, D (Machado, Daniel); Theorell, A (Theorell, Axel); Rocha, I (Rocha, Isabel); Noh, K (Noeh, Katharina); Oldiges, M (Oldiges, Marco); Wahl, SA (Wahl, S. Aljoscha): Current state and challenges for dynamic metabolic modeling. In. CURRENT OPINION IN MICROBIOLOGY Volume: 33 Pages: 97-104, WOS
5. [1.2] Iuchi, H., Yamada, R. G., & Ueda, H. R. (2016). Metabolites as clock hands: Estimation of internal body time using blood metabolomics. Neuromethods, 105, 245-254, SCOPUS

ADCA27 BARÁTH, Marek - HANSEN, Steen U. - DALTON, Charlotte - JAYSON, Gordon C. - MILLER, Gavin J. - GARDINER, John M. Modular synthesis of heparin-related tetra-, hexa- and octasaccharides with differential O-6 protections: programming for regio-defined 6-O-modifications. In Molecules, 2015, vol. 20, p. 6167-6180. (2.416 - IF2014). (2015 - Current Contents). ISSN 1420-3049.

Citácie:
1. [1.1] Mende, M (Mende, Marco); Bednarek, C (Bednarek, Christin); Wawryszyn, M

(Wawryszyn, Mirella); Sauter, P (Sauter, Paul); Biskup, MB (Biskup, Moritz B.); Schepers, U (Schepers, Ute); Brase, S (Braese, Stefan): Chemical Synthesis of Glycosaminoglycans. In: CHEMICAL REVIEWS Volume: 116 Issue: 14 Pages: 8193-8255, WOS
2. [1.1] Monneau, Y (Monneau, Yoan); Arenzana-Seisdedos, F (Arenzana-Seisdedos, Fernando); Lortat-Jacob, H (Lortat-Jacob, Hugues): The sweet spot: how GAGs help chemokines guide migrating cells. In: JOURNAL OF LEUKOCYTE BIOLOGY Volume: 99 Issue: 6 Pages: 935-953, WOS

ADCA28 BARBIERIKOVÁ, Zuzana - DVORANOVÁ, Dana - BELLA, Maroš - MILATA, Viktor - CZÍMEROVÁ, Adriana - BREZOVÁ, Vlasta. Fused-ring derivatives of quinoxalines: spectroscopic characterization and photoinduced processes investigated by EPR spin trapping technique. In Molecules, 2014, vol. 19, no. 8, p. 12078-12098. (2.095 - IF2013). (2014 - Current Contents). ISSN 1420-3049.

Citácie:

1. [1.1] ZHANG, Dejun - LIU, Huaming - WEI, Qiong - ZHOU, Qibing. Structure-activity relationship study of anticancer thymidine-quinoxaline conjugates under the low radiance of long wavelength ultraviolet light for photodynamic therapy. In EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY. ISSN 0223-5234, 2016, vol. 107, no., pp. 180-191., WOS

ADCA29 BARBIERIKOVÁ, Zuzana - BELLA, Maroš - SEKERÁKOVÁ, Ľudmila - LIETAVA, Jozef - BOBENIČOVÁ, Miroslava - DVORANOVÁ, Dana - MILATA, Viktor - SÁDECKÁ, Jana - TOPOĽSKÁ, Dominika - HEIZER, Tomáš - HUDEC, Roman - CZÍMEROVÁ, Adriana - JANTOVÁ, Soňa - BREZOVÁ, Vlasta. Spectroscopic characterization, photoinduced processes and cytotoxic properties of substituted N-ethyl selenadiazoloquinolones. In Journal of Physical Organic Chemistry, 2013, vol. 26, no. 7, p. 565-574. (1.578 - IF2012). (2013 - Current Contents). ISSN 0894-3230.

Citácie:

1. [1.1] BATALHA, Pedro Netto - BASTOS VIEIRA DE SOUZA, Maria Cecilia - PENA-CABRERA, Eduardo - CRUZ CRUZ, David - SANTOS BOECHAT, Fernanda da Costa. Quinolones in the Search for New Anticancer Agents. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2016, vol. 22, no. 39, pp. 6009-6020., WOS
2. [1.1] RAFIQUE, Jamal - CANTO, Romulo F. S. - SABA, Sumbal - BARBOSA, Flavio A. R. - BRAGA, Antonio L. Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. In CURRENT ORGANIC CHEMISTRY. ISSN 1385-2728, 2016, vol. 20, no. 2, pp. 166-188., WOS

ADCA30 BAUEROVÁ, Katarína - PAULOVIČOVÁ, Ema - MIHALOVÁ, Danica - DRÁFI, František - ŠTROSOVÁ, Miriam - MASCIA, Cinzia - BIASI, Fiorella - ROVENSKÝ, Jozef - KUCHARSKÁ, Jarmila - GVOZDJÁKOVÁ, Anna - PONIŠT, Silvester. Combined methotrexate and coenzyme Q10 therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress. In Acta Biochimica Polonica, 2010, vol. 57, no. 3, p. 347-354. (1.262 - IF2009). (2010 - Current Contents). ISSN 0001-527X.(APVV-51-017905 : Molekulové mechanizmy pôsobenia nových liečiv ovplyvňujúcich oxidačný stres - významný etiopatogenetický faktor početných chorôb. Vega č. 2/0090/08 : Nové farmakologické prístupy ovplyvnenia reumatoidnej artritídy študované na modeli adjuvantnej artritídy. COST Action B35 : Lipid Peroxidation Associated Disorders: LPO).

Citácie:

1. [1.1] LEON FERNANDEZ, O.S. - VIEBAHN-HAENSLER, R. - CABREJA, G.L. - ESPINOSA, I.S. - MATOS, Y.H. - ROCHE, L.D. - SANTOS, B.T. - ORU, G.T. - POLO VEGA, J.C. Medical ozone increases methotrexate clinical response and improves cellular redox balance in patients with rheumatoid arthritis. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 00142999, 2016, vol. 789, p. 313-318., WOS

ADCA31 BAUEROVÁ, Katarína - PAULOVIČOVÁ, Ema - MIHALOVÁ, Danica - ŠVÍK, Karol - PONIŠT, Silvester. Study of new ways of supplementary and combinatory therapy of rheumatoid arthritis with immunomodulators. Glucomannan and Imunoglukán® in adjuvant arthritis. In Toxicology and industrial health : an international journal, 2009, vol. 25, no. 4-5, p. 329-335. (0.700 - IF2008). ISSN 0748-2337.

Citácie:

1. [1.1] THONGKLANG, N. - LUANGHARN, T. Testing agricultural wastes for the production of Pleurotus ostreatus. In MYCOSPHERE. ISSN 2077-7000, 2016, vol. 7, no. 6, p. 766-772., WOS

ADCA32 BAUEROVÁ, Katarína - PONIŠT, Silvester - KUNCÍROVÁ, Viera - MIHALOVÁ, Danica - PAULOVIČOVÁ, Ema - VOLPI, Nikola. Chondroitin sulfate effect on induced arthritis in rats. In Osteoarthritis and Cartilage, 2011, vol. 19, no. 11, p. 1373-1379. (3.953 - IF2010). (2011 - Current Contents). ISSN 1063-4584.(VEGA č. 2/0045/11 : Štúdium kombinácie imunosupresívnej liečby a ovplyvnenia redoxnej rovnováhy organizmu na zvieracích modeloch reumatoidnej artritídy).

Citácie:

1. [1.1] BISHNOI, M. - JAIN, A. - HURKAT, P. - JAIN, S.K. Chondroitin sulphate: a focus on

osteoarthritis. In GLYCOCONJUGATE JOURNAL. ISSN 0282-0080, 2016, vol. 33, no. 5, p. 693-705., WOS
2. [1.2] WANG, H.Y. - WANG, T. Effects of total knee arthroplasty on proximal tibial reconstruction using finite element analysis. In CHINESE JOURNAL OF TISSUE ENGINEERING RESEARCH. ISSN 1673-8225, 2016, vol. 20, no. 35, p. 5180-5186., SCOPUS

ADCA33 BAUEROVÁ, Katarína - MIHALOVÁ, Danica - DRÁBIKOVÁ, Katarína - JANČINOVÁ, Viera - KUCHARSKÁ, Jarmila - PAULOVIČOVÁ, Ema - NOSÁĽ, Radomír - PONIŠT, Silvester. Effects of glucomannan isolated from Candida utilis on adjuvant arthritis in Lewis rats. In Current Topics in Nutraceutical Research : an international scientific journal of decision makers in nutraceutical industry, 2012, vol. 10, no. 1, p. 13-30. (0.286 - IF2011). (2012 - Current Contents). ISSN 1540-7535.(VEGA č. 2/0045/11 : Štúdium kombinácie imunosupresívnej liečby a ovplyvnenia redoxnej rovnováhy organizmu na zvieracích modeloch reumatoidnej artritídy. APVV-51-017905 : Molekulové mechanizmy pôsobenia nových liečiv ovplyvňujúcich oxidačný stres - významný etiopatogenetický faktor početných chorôb. APVV-0315-07 : Celulárne a molekulárne aspekty farmakologickej regulácie prozápalovej aktivity neutrofilov).

Citácie:
1. [1.1] BEHERA, S.S. - RAY, R.C. Konjac glucomannan, a promising polysaccharide of Amorphophallus konjac K. Koch in health care. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 01418130, 2016, vol. 92, p. 942-956., WOS

ADCA34 BAUEROVÁ, Katarína - PONIŠT, Silvester - NAVAROVÁ, Jana - DUBNIČKOVÁ, Martina - PAULOVIČOVÁ, Ema - PAJTINKA, Martin - KOGAN, Grigorij - MIHALOVÁ, Danica. Glucomannan in prevention of oxidative stress and inflammation occuring in adjuvant arthritis. In Neuroendocrinology Letters, 2008, vol. 29, no. 5, p.691-696. (1.443 - IF2007). ISSN 0172-780X.

Citácie:
1. [1.1] DEY, Y.N. - WANJARI, M.M. - KUMAR, D. - LOMASH, V. - JADHAV, A.D. Curative effect of Amorphophallus paeoniifolius tuber on experimental hemorrhoids in rats. In JOURNAL OF ETHNOPHARMACOLOGY. ISSN 03788741, 2016, vol. 192, p. 183-191., WOS
2. [1.1] FDHILA, K. - HADDAJI, N. - CHAKROUN, I. - MACHERKI, M.E.E. - NEFZI, F. - BAKHROUF, A. Glucomannan's protective effect on the virulence of Vibrio splendidus in pacific oyster. In FISH AND SHELLFISH IMMUNOLOGY. ISSN 1050-4648, 2016, vol. 56, p. 410-416., WOS
3. [1.1] PELUSO, I. - MANAFIKHI, H. - REGGI, R. - LONGHITANO, Y. - ZANZA, Ch. - PALMERY, M. Relationship between the peroxidation of leukocytes index ratio and the improvement of postprandial metabolic stress by a functional food. In OXIDATIVE MEDICINE AND CELLULAR LONGEVITY. ISSN 1942-0900, 2016, vol. 2016, article number 5630985., WOS

ADCA35 BELICOVÁ, Anna - EBRINGER, Libor - KRAJČOVIČ, Juraj - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Antimutagenic effect of heteroxylans, arabinogalactans, pectins and mannans in Euglena assay. In World journal of microbiology and biotechnology, 2001, vol. 17, p. 293-299. (0.530 - IF2000). (2001 - Current Contents). ISSN 0959-3993.

Citácie:
1. [1.2] Tapdigov, S. Z., Zeynalov, N. A., Humbatova, S. F., Nagiev, J. A., Isazadeh, A. F., Hasanova, M. K., & Safaraliyeva, S. F. (2016). Content of arabinogalactan from cherry gum (prunus avium) and as polymer carrier for immobilization of trypsin. Asian Journal of Chemistry, 28(1), 489-493, SCOPUS

ADCA36 BELLA, Maroš - MILATA, Viktor. Synthesis of 9-ethyl(1,2,5)selenadiazol(3,4-h)quinolones by the application of modified Gold-Jacobs reaction to N-ethyl-2,1,3-benzoselenadiazol-4amine. In Arkivoc, v, 14, vol. 2014, p. 181-198. ISSN 1551-7004.

Citácie:
1. [1.1] Malvacio, I (Malvacio, Ivana); Moyano, EL (Moyano, E. Laura); Vera, DMA (Vera, D. Mariano A.): Gas-phase synthesis of 3-carboethoxy-quinolin-4-ones. A comprehensive computational mechanistic study to uncover the dark side of the Gould-Jacobs reaction. In: RSC ADVANCES Volume: 6 Issue: 87 Pages: 83973-83981, WOS

ADCA37 BELLA, Maroš - MILATA, Viktor. New approach to synthesis of 5,6- and 7,8-diaminoquinolines. In Beilstein Journal of Organic Chemistry, 2013, vol. 9, p. 2669-2674. (2.801 - IF2012). (2013 - Current Contents). ISSN 1860-5397.

Citácie:
1. [1.1] Elsherbini, M (Elsherbini, Mohamed); Hamama, WS (Hamama, Wafaa S.); Zoorob, HH (Zoorob, Hanafi H.): Recent advances in the chemistry of selenium-containing heterocycles: Five-membered ring systems. In: COORDINATION CHEMISTRY REVIEWS Volume: 312 Pages: 149-177, WOS

ADCA38 BENCÚR, Peter - STENKELLNER, Herta - SVOBODA, Barbara - MUCHA, Ján - STRASSER, Richard - KOLARICH, Daniel - HANN, Stephan - KOLLENSPERGER, Gunda - GLOSSL, Josef - ALTMANN, Friedrich - MACH, L. Arabidopsis thaliana beta 1,2-xylosyltransferase: an unusual

glycosyltransferase with the potential to act multiple stages of the plant N-glycosylation pathway. In Biochemical Journal, 2005, vol.388, p.515-525. ISSN 0264-6021.

Citácie:

1. [1.1] Fang, L (Fang, Lin); Ishikawa, T (Ishikawa, Toshiki); Rennie, EA (Rennie, Emilie A.); Murawska, GM (Murawska, Gosia M.); Lao, JM (Lao, Jeemeng); Yan, JW (Yan, Jingwei); Tsai, AYL (Tsai, Alex Yi-Lin); Baidoo, EEK (Baidoo, Edward E. K.); Xu, J (Xu, Jun); Keasling, JD (Keasling, Jay D.); Demura, T (Demura, Taku); Kawai-Yamada, M (Kawai-Yamada, Maki); Scheller, HV (Scheller, Henrik V.); Mortimer, JC (Mortimer, Jenny C.): Loss of Inositol Phosphorylceramide Sphingolipid Mannosylation Induces Plant Immune Responses and Reduces Cellulose Content in Arabidopsis, WOS

2. [1.1] Horiuchi, R (Horiuchi, Risa); Hirotsu, N (Hirotsu, Naoki); Miyanishi, N (Miyanishi, Nobumitsu): N-glycan transition of the early developmental stage in Oryza sativa. In: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 477 Issue: 3 Pages: 426-432, WOS

ADCA39 BENNET, Neil A. - RYAN, James - BIELY, Peter - VRŠANSKÁ, Mária - KREMNICKÝ, Ľubomir - MACRIS, Basil J. - KEKOS, Dimitris - CHRISTAKOPOULOS, Paul - KATAPODIS, Petros - CLAEYSSENS, Marc - NERINCKX, Wim - NTAUMA, Patricia - BHAT, Mahalingeshwara K. Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of Thermomyces lanuginosus ATCC46882. In Carbohydrate Research, 1998, vol.306, p. 445-455. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Correa, JM (Correa, Juliana Moco); Christi, D (Christi, Divair); Della Torre, CL (Della Torre, Carla Lieko); Henn, C (Henn, Caroline); da Conceicao-Silva, JL (da Conceicao-Silva, Jose Luis); Kadowaki, MK (Kadowaki, Marina Kimiko); Simao, RDG (Garcia Simao, Rita de Cassia): High levels of beta-xylosidase in Thermomyces lanuginosus: potential use for saccharification. In: BRAZILIAN JOURNAL OF MICROBIOLOGY Volume: 47 Issue: 3 Pages: 680-690, WOS

2. [1.1] Jasim, RK (Jasim, Raed Kadhim): ISOLATION AND MOLECULAR CHARACTERISATION XYLANASE PRODUCED BY SPOROLACTOBACILLI. In: BANATS JOURNAL OF BIOTECHNOLOGY Volume: 7 Issue: 14 Pages: 30-37, WOS

3. [1.1] Singh, B (Singh, Bijender); Pocas-Fonseca, MJ (Pocas-Fonseca, Marcio J.); Johri, BN (Johri, B. N.); Satyanarayana, T (Satyanarayana, Tulasi): Thermophilic molds: Biology and applications. In: CRITICAL REVIEWS IN MICROBIOLOGY Volume: 42 Issue: 6 Pages: 985-1006, WOS

ADCA40 BERTÓK, Tomáš - SEDIVA, A. - KATRLÍK, Jaroslav - GEMEINER, Peter - MIKULA, Milan - NOSKO, Martin - TKÁČ, Ján. Label-free detection of glycoproteins by the lectin biosensor down to attomolar level using gold nanoparticles. In Talanta, 2013, vol. 108, p. 11-18. (3.498 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0039-9140.

Citácie:

1. [1.1] AKIBA, Uichi - ANZAI, Jun-ichi. Recent Progress in Electrochemical Biosensors for Glycoproteins. In SENSORS. ISSN 1424-8220, 2016, vol. 16, no. 12, pp., WOS

2. [1.1] BOKEN, Jyoti - SONI, Sarvesh K. - KUMAR, Dinesh. Microfluidic Synthesis of Nanoparticles and their Biosensing Applications. In CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY. ISSN 1040-8347, 2016, vol. 46, no. 6, pp. 538-561., WOS

3. [1.1] CHEN, Shizhu - HAO, Xiaohong - LIANG, Xingjie - ZHANG, Qun - ZHANG, Cuimiao - ZHOU, Guoqiang - SHEN, Shigang - JIA, Guang - ZHANG, Jinchao. Inorganic Nanomaterials as Carriers for Drug Delivery. In JOURNAL OF BIOMEDICAL NANOTECHNOLOGY. ISSN 1550-7033, 2016, vol. 12, no. 1, pp. 1-27., WOS

4. [1.1] DAN, Xiuli - LIU, Wenlong - NG, Tzi Bun. Development and Applications of Lectins as Biological Tools in Biomedical Research. In MEDICINAL RESEARCH REVIEWS. ISSN 0198-6325, 2016, vol. 36, no. 2, pp. 221-247., WOS

5. [1.1] DELBIANCO, Martina - BHARATE, Priya - VARELA-ARAMBURU, Silvia - SEEBERGER, Peter H. Carbohydrates in Supramolecular Chemistry. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 4, pp. 1693-1752., WOS

6. [1.1] SANTOS, Adriano - BUENO, Paulo R. Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, 2016, vol. 83, no., pp. 368-378., WOS

7. [1.2] VESTERGAARD, Mun'delanji C. - TAMIYA, Eiichi. Nanobiosensors and nanobioanalyses: A review. In Nanobiosensors and Nanobioanalyses, 2015-01-01, pp. 3-20., SCOPUS

ADCA41 BERTÓK, Tomáš - KLUKOVA, Ludmila - SEDIVA, Alena - KASÁK, Peter - SEMAK, Vladislav - MIČUŠÍK, Matej - OMASTOVÁ, Mária - CHOVANOVÁ, Lucia - VLČEK, Miroslav - IMRICH, Richard - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Ultrasensitive impedimetric lectin biosensors with efficient antifouling properties applied in glycoprofiling of human serum samples. In

Analytical Chemistry, 2013, vol. 85, p. 7324 - 7332. (5.695 - IF2012). (2013 - Current Contents). ISSN 0003-2700.

Citácie:

1. [1.1] AKIBA, U. - ANZAI, J. Recent Progress in Electrochemical Biosensors for Glycoproteins. In SENSORS. ISSN 1424-8220, DEC 2016, vol. 16, no. 12., WOS

2. [1.1] BHATTARAI, J.K. - TAN, Y.H. - PANDEY, B. - FUJIKAWA, K. - DEMCHENKO, A.V. - STINE, K.J. Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In JOURNAL OF ELECTROANALYTICAL CHEMISTRY. ISSN 1572-6657, NOV 1 2016, vol. 780, p. 311-320., WOS

3. [1.1] HE, Z.Y. - CHEN, Q.S. - CHEN, F.M. - ZHANG, J. - LI, H.F. - LIN, J.M. DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. In CHEMICAL SCIENCE. ISSN 2041-6520, 2016, vol. 7, no. 8, p. 5448-5452., WOS

4. [1.1] LI, X.G. - ZHANG, F. - GAO, Y. - ZHOU, Q.M. - ZHAO, Y. - LI, Y. - HUO, J.Z. - ZHAO, X.J. Facile synthesis of red emitting 3-aminophenylboronic acid functionalized copper nanoclusters for rapid, selective and highly sensitive detection of glycoproteins. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, DEC 15 2016, vol. 86, p. 270-276., WOS

5. [1.1] LIU, B.S. - LIU, X. - SHI, S. - HUANG, R.L. - SU, R.X. - QI, W. - HE, Z.M. Design and mechanisms of antifouling materials for surface plasmon resonance sensors. In ACTA BIOMATERIALIA. ISSN 1742-7061, AUG 2016, vol. 40, p. 100-118., WOS

6. [1.1] SANTOS, A. - BUENO, P.R. Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, SEP 15 2016, vol. 83, p. 368-378., WOS

7. [1.1] YADAV, S. - CARRASCOSA, L.G. - SINA, A.A.I. - SHIDDIKY, M.J.A. - HILL, M.M. - TRAU, M. Electrochemical detection of protein glycosylation using lectin and protein-gold affinity interactions. In ANALYST. ISSN 0003-2654, 2016, vol. 141, no. 8, p. 2356-2361., WOS

ADCA42 BERTÓK, Tomáš - HOLAZOVÁ-ŠEDIVÁ, Alena - FILIP, Jaroslav - ILČÍKOVÁ, Markéta - KASÁK, Peter - VELIČ, Dušan - JÁNÉ, Eduard - MRAVCOVÁ, Martina - ROVENSKÝ, Jozef - KUNZO, Pavol - LOBOTKA, Peter - ŠMATKO, Vasilij - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Carboxybetaine modified interface for electrochemical glycoprofiling of antibodies isolated from human serum. In Langmuir. - Wahington : American Chemical Society, 2015, vol. 31, p. 7148-7157. (4.457 - IF2014). (2015 - Current Contents). ISSN 0743-7463.

Citácie:

1. [1.1] AKIBA, Uichi - ANZAI, Jun-ichi. Recent Progress in Electrochemical Biosensors for Glycoproteins. In SENSORS. ISSN 1424-8220, 2016, vol. 16, no. 12., WOS

2. [1.1] BHATTARAI, Jay K. - TAN, Yih Horng - PANDEY, Binod - FUJIKAWA, Kohki - DEMCHENKO, Alexei V. - STINE, Keith J. Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In JOURNAL OF ELECTROANALYTICAL CHEMISTRY. ISSN 1572-6657, 2016, vol. 780, pp. 311-320., WOS

3. [1.1] SUN, Mingyue - CHEN, Yajie - TIAN, Guohui - WU, Aiping - YAN, Haijing - FU, Honggang. Stable mesoporous ZnFe2O4 as an efficient electrocatalyst for hydrogen evolution reaction. In ELECTROCHIMICA ACTA. ISSN 0013-4686, 2016, vol. 190, pp. 186-192., WOS

ADCA43 BERTÓK, Tomáš - ŠEDIVÁ, Alena - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Comparison of the 2D and 3D nanostructured lectin-based biosensors for In situ detection of sialic acid on glycoproteins. In International Journal of Electrochemical Science, 2014, vol. 9, p. 890-900. (1.956 - IF2013). (2014 - Current Contents). ISSN 1452-3981.

Citácie:

1. [1.1] Li, XL (Li, Xiuling); Xiong, YT (Xiong, Yuting); Qing, GY (Qing, Guangyan); Jiang, G (Jiang, Ge); Li, XQ (Li, Xianqin); Sun, TL (Sun, Taolei); Liang, XM (Liang, Xinmiao):Bioinspired Saccharide-Saccharide Interaction and Smart Polymer for Specific Enrichment of Sialylated Glycopeptides. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 21 Pages: 13294-13302, WOS

ADCA44 BERTÓK, Tomáš - ŠEFČOVIČOVÁ, Jana, Blahutová - GEMEINER, Peter - TKÁČ, Ján. Vývoj a súčasné trendy pri príprave nanoštruktúrovaných biosenzorov. In Chemické listy, 2012, vol. 106, p. 174-181. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.

Citácie:

1. [1.1] Scherf, KA (Scherf, Katharina Anne); Ciccocioppo, R (Ciccocioppo, Rachele); Pohanka, M (Pohanka, Miroslav); Rimarova, K (Rimarova, Kvetoslava); Opatrilova, R (Opatrilova, Radka); Rodrigo, L (Rodrigo, Luis); Kruzliak, P (Kruzliak, Peter): Biosensors for the Diagnosis of Celiac Disease: Current Status and Future Perspectives. In: MOLECULAR BIOTECHNOLOGY Volume: 58 Issue: 6 Pages: 381-392, WOS

ADCA45 BERTÓK, Tomáš - CHOCHOLOVÁ, Erika, Došeková - BELICKÝ, Štefan - HOLAZOVÁ, Alena, Šedivá - LORENCOVÁ, Lenka - MISLOVIČOVÁ, Danica - PAPRČKOVÁ, Darina -

VIKARTOVSKÁ, Alica, Welwardová - PLICKA, Robert - KREJČÍ, Jan - ILČÍKOVÁ, Markéta - KASÁK, Peter - TKÁČ, Ján. Mixed zwitterion-based self-assembled monolayer interface for impedimetric glycomic analyses of human IgG samples in an array format. In Langmuir, 2016, vol. 32, p. 7070-7078. (3.993 - IF2015). (2016 - Current Contents). ISSN 0743-7463.

Citácie:

1. [1.1] Akiba, U (Akiba, Uichi); Anzai, J (Anzai, Jun-ichi): Recent Progress in Electrochemical Biosensors for Glycoproteins. In: SENSORS Volume: 16 Issue: 12 Article Number: 2045, WOS

2. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS

ADCA46 BERTÓK, Tomáš - GEMEINER, Pavol - MIKULA, Milan - GEMEINER, Peter - TKÁČ, Ján. Ultrasensitive impedimetric lectin based biosensor for glycoproteins containing sialic acid. In Microchimica Acta, 2013, vol. 180, p. 151-159. (3.434 - IF2012). (2013 - Current Contents). ISSN 0026-3672.

Citácie:

1. [1.1] Akiba, U (Akiba, Uichi); Anzai, J (Anzai, Jun-ichi): Recent Progress in Electrochemical Biosensors for Glycoproteins. In: SENSORS Volume: 16 Issue: 12 Article Number: 2045, WOS

2. [1.1] Silva, PMS (Silva, Priscila M. S.); Lima, ALR (Lima, Amanda L. R.); Silva, BVM (Silva, Barbara V. M.); Coelho, LCBB (Coelho, Luana C. B. B.); Dutra, RF (Dutra, Rosa F.); Correia, MTS (Correia, Maria T. S.): Cratylia mollis lectin nanoelectrode for differential diagnostic of prostate cancer and benign prostatic hyperplasia based on label-free detection. In: BIOSENSORS & BIOELECTRONICS Volume: 85 Pages: 171-177, WOS

3. [3.1] Silva, PMS (Silva Priscila Marcelino dos Santos), Coelho, LCBB (Coelho Luana Cassandra Breitenbach Barroso), Correia,MTS (Correia Maria Tereza dos Santos). (2016). Electrochemical biosensing strategies to detect serum glycobiomarkers. In Advances in Research, 6(6), article no. AIR.

ADCA47 BERTÓK, Tomáš - KATRLÍK, Jaroslav - GEMEINER, Peter - TKÁČ, Ján. Electrochemical lectin based biosensors as a label-free tool in glycomics. In Microchimica Acta, 2013, vol. 180, p. 1-13. (3.434 - IF2012). (2013 - Current Contents). ISSN 0026-3672.

Citácie:

1. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS

2. [1.1] Dan, XL (Dan, Xiuli); Liu, WL (Liu, Wenlong); Ng, TB (Ng, Tzi Bun): Development and Applications of Lectins as Biological Tools in Biomedical Research. In: MEDICINAL RESEARCH REVIEWS Volume: 36 Issue: 2 Pages: 221-247, WOS

3. [1.1] Li, HH (Li, Huihui); Zhu, SQ (Zhu, Shuqiang); Cheng, T (Cheng, Ting); Wang, SX (Wang, Shuxia); Zhu, B (Zhu, Bin); Liu, XY (Liu, Xiaoyan); Zhang, HX (Zhang, Haixia): Binary boronic acid-functionalized attapulgite with high adsorption capacity for selective capture of nucleosides at acidic pH values. In: MICROCHIMICA ACTA Volume: 183 Issue: 5 Pages: 1779-1786, WOS

4. [1.1] Niu, YZ (Niu, Yazhen); He, JL (He, Junlin); Li, YL (Li, Yuliang); Zhao, YL (Zhao, Yilin); Xia, CY (Xia, Chunyong); Yuan, GL (Yuan, Guolin); Zhang, L (Zhang, Lei); Zhang, YC (Zhang, Yuchan); Yu, C (Yu, Chao): Determination of alpha 2,3-sialylated glycans in human serum using a glassy carbon electrode modified with carboxylated multiwalled carbon nanotubes, a polyamidoamine dendrimer, and a glycan-recognizing lectin from Maackia Amurensis. In: MICROCHIMICA ACTA Volume: 183 Issue: 7 Pages: 2337-2344, WOS

5. [1.1] Palecek, E (Palecek, Emil): Label-free electrochemical analysis of chitosan and glucosamine-containing oligosaccharides. In: ELECTROCHIMICA ACTA Volume: 187 Pages: 375-380, WOS

6. [1.1] Vargova, V (Vargova, Veronika); Helma, R (Helma, Robert); Palecek, E (Palecek, Emil); Ostatna, V (Ostatna, Veronika): Electrochemical sensing of concanavalin A and ovalbumin interaction in solution. In: ANALYTICA CHIMICA ACTA Volume: 935 Pages: 97-103, WOS

7. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS

8. [3.1] Silva, PMS (Silva Priscila Marcelino dos Santos), Coelho, LCBB (Coelho Luana Cassandra Breitenbach Barroso), Correia,MTS (Correia Maria Tereza dos Santos). (2016).

Electrochemical biosensing strategies to detect serum glycobiomarkers. In Advances in Research, 6(6), article no. AIR.24734

ADCA48 BEZÁKOVÁ, Zuzana - HERMANNOVÁ, Martina - DŘÍMALOVÁ, Eugenie - MALOVÍKOVÁ, Anna - EBRINGEROVÁ, Anna - VELEBNÝ, Vladimír. Effect of microwave irradiation on the molecular and structural properties of hyaluronan. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2008, vol. 73, p. 640-646. ISSN 0144-8617.

Citácie:

1. [1.1] Lv, MX (Lv, Mengxian); Wang, M (Wang, Miao); Cai, WW (Cai, Weiwei); Hao, WX (Hao, Wenxing); Yuan, PH (Yuan, Panhong); Kang, Z (Kang, Zhen): Characterisation of separated end hyaluronan oligosaccharides from leech hyaluronidase and evaluation of angiogenesis. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 309-316, WOS

ADCA49 BIELY, Peter - MALOVÍKOVÁ, Anna - HIRSCH, Ján - MORKEBERG KROGH, K. B. R. - EBRINGEROVÁ, Anna. The role of the glucuronoxylan carboxyl groups in the action of andoxylanases of three glycoside hydrolase families: A study with two substrate mutants. In Biochimica et Biophysica Acta : general subjects, 2015, vol. 1850, p. 2246-2255. (4.381 - IF2014). (2015 - Current Contents). ISSN 0304-4165.

Citácie:

1. [1.1] Freire, F (Freire, Filipe); Verma, A (Verma, Anil); Bule, P (Bule, Pedro); Alves, VD (Alves, Victor D.); Fontes, CMGA (Fontes, Carlos M. G. A.); Goyal, A (Goyal, Arun); Najmudin, S (Najmudin, Shabir): Conservation in the mechanism of glucuronoxylan hydrolysis revealed by the structure of glucuronoxylan xylanohydrolase (CtXyn30A) from Clostridium thermocellum. In: ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY Volume: 72 Pages: 1162-1173, WOS

ADCA50 BIELY, Peter - MALOVÍKOVÁ, Anna - UHLIARIKOVÁ, Iveta - LI, Xin-Liang - WONG, Dominic W.S. Glucuronoyl esterases are active on the polymeric substrate methyl esterified glucuronoxylan. In FEBS Letters, 2015, vol. 589, p. 2334-2339. (3.169 - IF2014). (2015 - Current Contents). ISSN 0014-5793.

Citácie:

1. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

3. [1.1] d'Errico, C (d'Errico, Clotilde); Borjesson, J (Borjesson, Johan); Ding, HS (Ding, Hanshu); Krogh, KBRM (Krogh, Kristian B. R. M.); Spodsberg, N (Spodsberg, Nikolaj); Madsen, R (Madsen, Robert); Monrad, RN (Monrad, Rune Nygaard): Improved biomass degradation using fungal glucuronoyl-esterases-hydrolysis of natural corn fiber substrate. In: JOURNAL OF BIOTECHNOLOGY Volume: 219 Pages: 117-123, WOS

ADCA51 BIELY, Peter - MARKOVIČ, Oskar - MISLOVIČOVÁ, Danica. Sensitive detection of endo-1,4-β-glucanases and endo-1,4-β-xylanases in gels. In Analytical Biochemistry, 1985, vol. 144, p. 147-151. ISSN 0003-2697.

Citácie:

1. [1.1] Sultan, A (Sultan, Abida); Andersen, B (Andersen, Birgit); Svensson, B (Svensson, Birte); Finnie, C (Finnie, Christine): Exploring the Plant-Microbe Interface by Profiling the Surface-Associated Proteins of Barley Grains. In: JOURNAL OF PROTEOME RESEARCH Volume: 15 Issue: 4 Pages: 1151-1167, WOS

ADCA52 BIELY, Peter - PUCHART, Vladimír - STRINGER, Marry Ann - MORKEBERG KROGH, Kristian B.R. Trichoderma reesei XYN VI - a novel appendage-dependent eukaryotic glucuronoxylan hydrolase. In FEBS Journal, 2014, vol. 281, p. 3894-3903. (3.986 - IF2013). (2014 - Current Contents). ISSN 1742-464X.

Citácie:

1. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS

2. [1.1] Druzhinina, IS (Druzhinina, Irina S.); Kopchinskiy, AG (Kopchinskiy, Alexey G.); Kubicek, EM (Kubicek, Eva M.); Kubicek, CP (Kubicek, Christian P.): A complete annotation of the chromosomes of the cellulase producer Trichoderma reesei provides insights in gene clusters, their expression and reveals genes required for fitness. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 75, WOS

3. [1.1] Ji, SD (Ji, S. D.); Wang, ZY (Wang, Z. Y.); Fan, HJ (Fan, H. J.); Zhang, RS (Zhang, R. S.); Yu, ZY (Yu, Z. Y.); Wang, JJ (Wang, J. J.); Liu, ZH (Liu, Z. H.): Heterologous expression of the Hsp24 from Trichoderma asperellum improves antifungal ability of Populus transformant Pdpap-Hsp24 s to Cytospora chrysosperma and Alternaria alternate. In: JOURNAL OF PLANT RESEARCH Volume: 129 Issue: 5 Pages: 921-933, WOS

ADCA53 BIELY, Peter - PUCHART, Vladimír - CÔTÉ, G.L. Enzymic alpha-galactosylation of a cyclic glucotetrasaccharide derived from alternan. In Carbohydrate Research, 2001, vol. 332, p. 299-303. (1.606 - IF2000). (2001 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Bakunina, IY (Bakunina, Irina Yu.); Balabanova, LA (Balabanova, Larissa A.); Pennacchio, A (Pennacchio, Angela); Trincone, A (Trincone, Antonio): Hooked on alpha-D-galactosidases: from biomedicine to enzymatic synthesis. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 2 Pages: 233-245, WOS

ADCA54 BIELY, Peter - MASTIHUBOVÁ, Mária - VAN ZYL, W.H. - PRIOR, B.A. Differentiation of feruloyl esterases on synthetic substrates in alfa-arabinofuranosidase-coupled and ultraviolet-spectrophotometric assays. In Analytical Biochemistry, 2002, vol.311, p. 68-75. ISSN 0003-2697.

Citácie:

1. [1.1] Gherbovet, O (Gherbovet, Olga); Faure, R (Faure, Regis); Ferreira, F (Ferreira, Fernando); Durand, J (Durand, Julien); Ragon, M (Ragon, Melanie); Hostyn, G (Hostyn, Guillaume); Record, E (Record, Eric); Bozonnet, S (Bozonnet, Sophie); O'Donohue, MJ (O'Donohue, Michael J.): Design of chromogenic probes for efficient screening and evaluation of feruloyl esterase-like activities. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 126 Pages: 24-31, WOS

2. [1.1] Ramirez-Velasco, L (Ramirez-Velasco, Lorena); Armendariz-Ruiz, M (Armendariz-Ruiz, Mariana); Rodriguez-Gonzalez, JA (Alberto Rodriguez-Gonzalez, Jorge); Muller-Santos, M (Mueller-Santos, Marcelo); Asaff-Torres, A (Asaff-Torres, Ali); Mateos-Diaz, JC (Carlos Mateos-Diaz, Juan): From Classical to High Throughput Screening Methods for Feruloyl Esterases: A Review. In: COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING Volume: 19 Issue: 8 Pages: 616-626, WOS

3. [1.1] Ramos-de-la-Pena, AM (Mayela Ramos-de-la-Pena, Ana); Contreras-Esquivel, JC (Carlos Contreras-Esquivel, Juan): Methods and substrates for feruloyl esterase activity detection; a review. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 130 Pages: 74-87, WOS

ADCA55 BIELY, Peter - MASTIHUBOVÁ, Mária - TENKANEN, Maija - EYZAGUIRRE, Jaime - LI, Xin-Liang - VRŠANSKÁ, Mária. Action of xylan deacetylating enzymes on monoacetyl derivatives of 4-nitrophenyl flycosides of beta-D-xylopyranose and alfa-L-arabinofuranose. In Journal of Biotechnology, 2011, vol. 151, p. 137-142. (2.970 - IF2010). (2011 - Current Contents). ISSN 0168-1656.

Citácie:

1. [1.1] Schuckel, J (Schuckel, Julia); Kracun, SK (Kracun, Stjepan Kresimir); Willats, WGT (Willats, William G. T.): High-throughput Screening of Carbohydrate-degrading Enzymes Using Novel Insoluble Chromogenic Substrate Assay Kits. In: JOVE-JOURNAL OF VISUALIZED EXPERIMENTS Issue: 115 Article Number: e54286, WOS

2. [1.2] Polizeli, M. L. T. M., Vici, A. C., Scarcella, A. S. A., Cereia, M., & Pereira, M. G. (2016). Enzyme system from aspergillus in current industrial uses and future applications in the production of second-generation ethanol. New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 9, pp. 127-140), SCOPUS

ADCA56 BIELY, Peter - VRŠANSKÁ, Mária - CLAEYSSENS, Marc. The endo-1,4-beta-glucanase-I from Trichoderma reesei - action on beta-1,4-oligomers and polymers derived from D-glucose and D-xylose. In European Journal of Biochemistry, 1991, vol.200, p. 157-163. ISSN 0014-2956.

Citácie:

1. [1.1] Matsuzawa, T (Matsuzawa, Tomohiko); Kaneko, S (Kaneko, Satoshi); Yaoi, K (Yaoi, Katsuro): Improvement of thermostability and activity of Trichoderma reesei endo-xylanase Xyn III on insoluble substrates. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 18 Pages: 8043-8051, WOS

2. [1.1] Patel, AB (Patel, Avani B.); Patel, AK (Patel, Amrutlal K.); Shah, MP (Shah, Mihir P.); Parikh, IK (Parikh, Ishan K.); Joshi, CG (Joshi, Chaitanya G.): Isolation and characterization of novel multifunctional recombinant family 26 glycoside hydrolase from Mehsani buffalo rumen metagenome. In: BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY Volume: 63 Issue: 2 Pages: 257-265, WOS

ADCA57 BIELY, Peter - VRŠANSKÁ, Mária - KRÁTKY, Zdeno. Xylan degrading enzymes of the yeast Cryptococcus albidus. Identification and cellular localization. In European Journal of Biochemistry,

1980, vol.108, ., p. 313-321. ISSN 0014-2956.
Citácie:
1. [1.1] Morais, CG (Morais, Camila G.); Lara, CA (Lara, Carla A.); Oliveira, ES (Oliveira, Evelyn S.); Peter, G (Peter, Gabor); Dlauchy, D (Dlauchy, Denes); Rosa, CA (Rosa, Carlos A.): Spencermartinsiella silvicola sp nov., a yeast species isolated from rotting wood. In: INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY Volume: 66 Pages: 604-608, WOS

ADCA58 BIELY, Peter - PULS, Jurgen - SCHNEIDER, Henry. Acetyl xylan esterases in fungal cellulolytic systems. In FEBS Letters, 1985, vol. 186, p. 80-84. ISSN 0014-5793.
Citácie:
1. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS
2. [1.1] Camacho-Ruiz, MA (Camacho-Ruiz, M. A.); Camacho-Ruiz, RM (Camacho-Ruiz, R. M.); Armendariz, M (Armendariz, M.); Ramirez-Velasco, L (Ramirez-Velasco, L.); Asaff-Torres, A (Asaff-Torres, A.); Levasseur, A (Levasseur, A.); Mateos-Diaz, JC (Mateos-Diaz, J. C.); Rodriguez, JA (Rodriguez, J. A.): CORN BRAN AS POTENTIAL SUBSTRATE FOR HIGH PRODUCTION OF FERULOYL AND ACETYLXYLAN ESTERASES BY SOLID STATE FERMENTATION. In: REVISTA MEXICANA DE INGENIERIA QUIMICA Volume: 15 Issue: 1 Pages: 11-21, WOS
3. [1.1] Zhu, N (Zhu, Ning); Liu, JW (Liu, Jiawen); Yang, JS (Yang, Jinshui); Lin, YJ (Lin, Yujian); Yang, Y (Yang, Yi); Ji, L (Ji, Lei); Li, M (Li, Meng); Yuan, HL (Yuan, Hongli): Comparative analysis of the secretomes of Schizophyllum commune and other wood-decay basidiomycetes during solid-state fermentation reveals its unique lignocellulose-degrading enzyme system. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 42, WOS

ADCA59 BIELY, Peter - TENKANEN, M. Enzymology of hemicellulose degradation. In Trichoderma and Gliogladium, 1998, vol. 2, p. 25-47.
Citácie:
1. [1.1] Mansour, MMA (Mansour, Maisa M. A.); Salem, MZM (Salem, Mohamed Z. M.); Khamis, MH (Khamis, Mohamed H.); Ali, HM (Ali, Hayssam M.): Natural Durability of Citharexylum spinosum and Morus alba Woods Against Three Mold Fungi. In: BIORESOURCES Volume: 10 Issue: 3 Pages: 5330-5344, WOS
2. [1.1] Salem, MZM (Salem, Mohamed Z. M.): EDX measurements and SEM examination of surface of some imported woods inoculated by three mold fungi. In: MEASUREMENT Volume: 86 Pages: 301-309, WOS

ADCA60 BIELY, Peter - WONG, K.K.Y. - SUCKLING, I.D. - ŠPÁNIKOVÁ, Silvia. Transacetylations to carbohydrates catalyzed by acetylxylan in the presence of organic solvent. In Biochimica et Biophysica Acta, 2003, vol.1623, p. 62-71. ISSN 0006-3002.
Citácie:
1. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

ADCA61 BIELY, Peter. Microbial carbohydrate esterases deacetylating plant polysaccharides. In Biotechnology Advances, 2012, vol. 30, p. 1575-1588. (9.646 - IF2011). (2012 - Current Contents). ISSN 0734-9750.
Citácie:
1. [1.1] Balsanelli, E (Balsanelli, Eduardo); Tadra-Sfeir, MZ (Tadra-Sfeir, Michelle Z.); Faoro, H (Faoro, Helisson); Pankievicz, VCS (Pankievicz, Vania C. S.); de Baura, VA (de Baura, Valter A.); Pedrosa, FO (Pedrosa, Fabio O.); de Souza, EM (de Souza, Emanuel M.); Dixon, R (Dixon, Ray); Monteiro, RA (Monteiro, Rose A.): Molecular adaptations of Herbaspirillum seropedicae during colonization of the maize rhizosphere. In: ENVIRONMENTAL MICROBIOLOGY Volume: 18 Issue: 8 Pages: 2343-2356, WOS
2. [1.1] Bi, R (Bi, Ran); Berglund, J (Berglund, Jennie); Vilaplana, F (Vilaplana, Francisco); McKee, LS (McKee, Lauren S.); Henriksson, G (Henriksson, Gunnar): The degree of acetylation affects the microbial degradability of mannans. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 36-46, WOS
3. [1.1] Camacho-Ruiz, MA (Camacho-Ruiz, M. A.); Camacho-Ruiz, RM (Camacho-Ruiz, R. M.); Armendariz, M (Armendariz, M.); Ramirez-Velasco, L (Ramirez-Velasco, L.); Asaff-Torres, A (Asaff-Torres, A.); Levasseur, A (Levasseur, A.); Mateos-Diaz, JC (Mateos-Diaz, J. C.); Rodriguez, JA (Rodriguez, J. A.): CORN BRAN AS POTENTIAL SUBSTRATE FOR HIGH PRODUCTION OF FERULOYL AND ACETYLXYLAN ESTERASES BY SOLID STATE FERMENTATION. In: REVISTA MEXICANA DE INGENIERIA QUIMICA Volume: 15 Issue: 1 Pages: 11-21, WOS

4. [1.1] Dunne, A (Dunne, Anthony); Palomo, JM (Palomo, Jose M.): Efficient and green approach for the complete deprotection of O-acetylated biomolecules. In: RSC ADVANCES Volume: 6 Issue: 92 Pages: 88974-88978, WOS
5. [1.1] Hemsworth, GR (Hemsworth, Glyn R.); Dejean, G (Dejean, Guillaume); Davies, GJ (Davies, Gideon J.); Brumer, H (Brumer, Harry): Learning from microbial strategies for polysaccharide degradation. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 94-108, WOS
6. [1.1] Howe, A (Howe, Adina); Yang, F (Yang, Fan); Williams, RJ (Williams, Ryan J.); Meyer, F (Meyer, Folker); Hofmockel, KS (Hofmockel, Kirsten S.): Identification of the Core Set of Carbon-Associated Genes in a Bioenergy Grassland Soil. In: PLOS ONE Volume: 11 Issue: 11 Article Number: e0166578, WOS
7. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS
8. [1.1] Koutaniemi, S (Koutaniemi, Sanna); Tenkanen, M (Tenkanen, Maija): Action of three GH51 and one GH54 alpha-arabinofuranosidases on internally and terminally located arabinofuranosyl branches. In: JOURNAL OF BIOTECHNOLOGY Volume: 229 Pages: 22-30, WOS
9. [1.1] Liu, SP (Liu, Shiping); Ding, SJ (Ding, Shaojun): Replacement of carbohydrate binding modules improves acetyl xylan esterase activity and its synergistic hydrolysis of different substrates with xylanase. In: BMC BIOTECHNOLOGY Volume: 16 Article Number: 73, WOS
10. [1.1] Moreira, LRS (Moreira, L. R. S.); Filho, EXF (Filho, E. X. F.): Insights into the mechanism of enzymatic hydrolysis of xylan. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 12 Pages: 5205-5214, WOS
11. [1.1] Oh, C (Oh, Changsuk); Ryu, BH (Ryu, Bum Han); An, DR (An, Deu Rae); Nguyen, DD (Duy Duc Nguyen); Yoo, W (Yoo, Wanki); Kim, T (Kim, Truc); Ngo, TD (Tri Duc Ngo); Kim, HS (Kim, Hee Sook); Kim, KK (Kim, Kyeong Kyu); Kim, TD (Kim, T. Doohun): Structural and Biochemical Characterization of an Octameric Carbohydrate Acetylesterase from Sinorhizobium meliloti. In: FEBS LETTERS Volume: 590 Issue: 8 Pages: 1242-1252, WOS
12. [1.1] Pawar, PMA (Pawar, Prashant Mohan-Anupama); Derba-Maceluch, M (Derba-Maceluch, Marta); Chong, SL (Chong, Sun-Li); Gomez, LD (Gomez, Leonardo D.); Miedes, E (Miedes, Eva); Banasiak, A (Banasiak, Alicja); Ratke, C (Ratke, Christine); Gaertner, C (Gaertner, Cyril); Mouille, G (Mouille, Gregory); McQueen-Mason, SJ (McQueen-Mason, Simon J.); Molina, A (Molina, Antonio); Sellstedt, A (Sellstedt, Anita); Tenkanen, M (Tenkanen, Maija); Mellerowicz, EJ (Mellerowicz, Ewa J.): Expression of fungal acetyl xylan esterase in Arabidopsis thaliana improves saccharification of stem lignocellulose. In: PLANT BIOTECHNOLOGY JOURNAL Volume: 14 Issue: 1 Pages: 387-397, WOS
13. [1.1] Toh, YF (Toh, Yue Fen); Yew, SM (Yew, Su Mei); Chan, CL (Chan, Chai Ling); Na, SL (Na, Shiang Ling); Lee, KW (Lee, Kok Wei); Hoh, CC (Hoh, Chee-Choong); Yee, WY (Yee, Wai-Yan); Ng, KP (Ng, Kee Peng); Kuan, CS (Kuan, Chee Sian): Genome Anatomy of Pyrenochaeta unguis-hominis UM 256, a Multidrug Resistant Strain Isolated from Skin Scraping. In: PLOS ONE Volume: 11 Issue: 9 Article Number: e0162095, WOS
14. [1.1] Uechi, K (Uechi, Keiko); Kamachi, S (Kamachi, Saori); Akita, H (Akita, Hironaga); Mine, S (Mine, Shouhei); Watanabe, M (Watanabe, Masahiro): Crystal structure of an acetyl esterase complexed with acetate ion provides insights into the catalytic mechanism. In: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 477 Issue: 3 Pages: 383-387, WOS
15. [1.1] Xie, JL (Xie, Jialian); Li, SJ (Li, Shaojun); Mo, CM (Mo, Chenmi); Xiao, XQ (Xiao, Xueqiong); Peng, DL (Peng, Deliang); Wang, GF (Wang, Gaofeng); Xiao, YN (Xiao, Yannong): Genome and Transcriptome Sequences Reveal the Specific Parasitism of the Nematophagous Purpureocillium lilacinum 36-1. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1084, WOS
16. [1.2] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS

ADCA62 BIELY, Peter - DE VRIES, R.P. - VRŠANSKÁ, Mária - VISSER, J. Inverting character of α-glucuronidase A from Aspergillus tubingensis. In Biochimica et Biophysica Acta, 2000, vol.1474, no, p.360-364.

Citácie:

1. [1.1] Gong, WL (Gong, Weili); Zhang, HQ (Zhang, Huaiqiang); Tian, L (Tian, Li); Liu, SJ (Liu, Shijia); Wu, XY (Wu, Xiuyun); Li, FL (Li, Fuli); Wang, LS (Wang, Lushan): Determination of the modes of action and synergies of xylanases by analysis of xylooligosaccharide profiles over time

using fluorescence-assisted carbohydrate electrophoresis. In: ELECTROPHORESIS Volume: 37 Issue: 12 Pages: 1640-1650, WOS
2. [1.1] Wang, WJ (Wang, Weijun); Yan, RY (Yan, Ruoyu); Nocek, BP (Nocek, Boguslaw P.); Vuong, TV (Vuong, Thu V.); Di Leo, R (Di Leo, Rosa); Xu, XH (Xu, Xiaohui); Cui, H (Cui, Hong); Gatenholm, P (Gatenholm, Paul); Toriz, G (Toriz, Guillermo); Tenkanen, M (Tenkanen, Maija); Savchenko, A (Savchenko, Alexei); Master, ER (Master, Emma R.): Biochemical and Structural Characterization of a Five-domain GH115-Glucuronidase from the Marine Bacterium Saccharophagus degradans 2-40(T). In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 27 Pages: 14120-14133, WOS

ADCA63 BIELY, Peter - KRÁTKY, Zdeno - VRŠANSKÁ, Mária. Substrate binding site of endo-1,4-beta-xylanase of the yeast Cryptococcus albidus. In European Journal of Biochemistry, 1981, vol.119, p. 559-564. ISSN 0014-2956.

Citácie:
1. [1.1] Mayes, HB (Mayes, Heather B.); Knott, BC (Knott, Brandon C.); Crowley, MF (Crowley, Michael F.); Broadbelt, LJ (Broadbelt, Linda J.); Stahlberg, J (Stahlberg, Jerry); Beckham, GT (Beckham, Gregg T.): Who's on base? Revealing the catalytic mechanism of inverting family 6 glycoside hydrolases. In: CHEMICAL SCIENCE Volume: 7 Issue: 9 Pages: 5955-5968, WOS
2. [1.1] Tian, L (Tian, Li); Liu, SJ (Liu, Shijia); Wang, S (Wang, Shuai); Wang, LS (Wang, Lushan): Ligand-binding specificity and promiscuity of the main lignocellulolytic enzyme families as revealed by active-site architecture analysis. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 23605, WOS

ADCA64 BIELY, Peter - COTE, G.L. - KREMNICKÝ, Ľubomir - GREEN, R.V. - TENKANEN, Maija. Action of acetylxylan esterase from Trichoderma reesei on acetylated methyl glycosides. In FEBS Letters, 1997, vol. 420, p. 121-124. (1997 - Current Contents, SCOPUS). ISSN 0014-5793.

Citácie:
1. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS

ADCA65 BIELY, Peter - BENEN, Jacques - HEINRICHOVÁ, Kvetoslava - KESTER, Harry C.M. - VISSER, Jaap. Inversion of configuration during hydrolysis of alfa-1,4-galacturonidic linkage by three Aspergillus polygalacturonases. In FEBS Letters, 1996, vol. 382, p. 249-255. ISSN 0014-5793.

Citácie:
1. [1.1] Wagschal, K (Wagschal, Kurt); Stoller, JR (Stoller, J. Rose); Chan, VJ (Chan, Victor J.); Lee, CC (Lee, Charles C.); Grigorescu, AA (Grigorescu, Arabela A.); Jordan, DB (Jordan, Douglas B.): Expression and Characterization of Hyperthermostable Exo-polygalacturonase TtGH28 from Thermotoga thermophilus. In: MOLECULAR BIOTECHNOLOGY Volume: 58 Issue: 7 Pages: 509-519, WOS

ADCA66 BIELY, Peter - CZISZÁROVÁ, Mária - AGGER, Jane W. - LI, Xin-Liang - PUCHART, Vladimír - VRŠANSKÁ, Mária - EIJSINK, Vincent G. H. - WESTERENG, Bjorge. Trichoderma reesei CE16 acetyl esterase and its role in enzymatic degradation of acetylated hemicellulose. In Biochimica et Biophysica Acta : general subjects, 2014, vol. 1840, p. 516-525. (3.829 - IF2013). (2014 - Current Contents). ISSN 0304-4165.

Citácie:
1. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS
2. [1.1] Saritha, M (Saritha, M.); Singh, S (Singh, Surender); Tiwari, R (Tiwari, Rameshwar); Goel, R (Goel, Renu); Nain, L (Nain, Lata): Do cultural conditions induce differential protein expression: Profiling of extracellular proteome of Aspergillus terreus CM20. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 73-83, WOS

ADCA67 BIELY, Peter - CZISZÁROVÁ, Mária - UHLIARIKOVÁ, Iveta - AGGER, Jane W. - LI, Xin-Liang - EIJSINK, Vincent G.H. - WESTERENG, Bjorge. Mode of action of acetylxylan esterases on acetyl glucuronoxylan and acetylated oligosaccharides generated by a GH10 endoxylanase. In Biochimica et Biophysica Acta : general subjects, 2013, vol. 1830, p. 5075-5086. (3.848 - IF2012). (2013 - Current Contents). ISSN 0304-4165.

Citácie:
1. [1.1] Kwon, M (Kwon, Mi); Song, J (Song, Jaeyong); Park, HS (Park, Hong-Seog); Park, H (Park, Hyunjin); Chang, J (Chang, Jongsoo): Characterization of Heterologously Expressed Acetyl Xylan Esterase1 Isolated from the Anaerobic Rumen Fungus Neocallimastix frontalis PMA02. In. ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES Volume: 29 Issue: 11 Pages: 1576-1584, WOS
2. [1.1] Schendel, RR (Schendel, Rachel R.); Puchbauer, AK (Puchbauer, Ann-Katrin); Britscho, N (Britscho, Natalie); Bunzel, M (Bunzel, Mirko): Feruloylated Wheat Bran Arabinoxylans:

Isolation and Characterization of Acetylated and O-2-Monosubstituted Structures. In: CEREAL CHEMISTRY Volume: 93 Issue: 5 Pages: 493-501, WOS

ADCA68 BIELY, Peter. Microbial xylanolytic systems. In Trends in Biotechnology, 1985, vol. 3, no. 11, p. 286-290. ISSN 0167-7799.

Citácie:

1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, Jorge); Diaz-Godinez, G (Diaz-Godinez, Gerardo); Mercado-Flores, Y (Mercado-Flores, Yuridia); Gupta, VK (Gupta, Vijai Kumar); Anducho-Reyes, MA (Anducho-Reyes, Miguel Angel): Phylogenetic analysis of beta-xylanase SRXL1 of Sporisorium reilianum and its relationship with families (GH10 and GH11) of Ascomycetes and Basidiomycetes. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 24010, WOS

2. [1.1] Cayetano-Cruz, M (Cayetano-Cruz, Maribel); de los Santos, AIP (Perez de los Santos, Ara Itzel); Garcia-Huante, Y (Garcia-Huante, Yolanda); Santiago-Hernandez, A (Santiago-Hernandez, Alejandro); Pavon-Orozco, P (Pavon-Orozco, Patricia); Lopez, VELY (Eric Lopez y Lopez, Victor); Hidalgo-Lara, ME (Eugenia Hidalgo-Lara, Maria): High level expression of a recombinant xylanase by Pichia pastoris cultured in a bioreactor with methanol as the sole carbon source: Purification and biochemical characterization of the enzyme. In: BIOCHEMICAL ENGINEERING JOURNAL Volume: 112 Pages: 161-169, WOS

3. [1.1] Das, A (Das, Arundhati); Ray, L (Ray, Lalitagauri): Production of crude xylanase using a isolated fungal strain Aspergillus sp.S6 by solid state fermentation. In: MATERIALS TODAY-PROCEEDINGS Volume: 3 Issue: 10 Pages: 3343-3360, WOS

4. [1.1] Dehnavi, E (Dehnavi, Ehsan); Siadat, SOR (Siadat, Seyed Omid Ranaei): A xylanase from Streptomyces sp. FA1: heterologous expression, characterization, and its application in Chinese steamed bread. In: JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY Volume: 43 Issue: 5 Pages: 663-670, WOS

5. [1.1] Dehnavi, E (Dehnavi, Ehsan); Siadat, SOR (Siadat, Seyed Omid Ranaei); Roudsari, MF (Roudsari, Mehrnoosh Fathi); Khajeh, K (Khajeh, Khosro): Cloning and high-level expression of beta-xylosidase from Selenomonas ruminantium in Pichia pastoris by optimizing of pH, methanol concentration and temperature conditions. In: PROTEIN EXPRESSION AND PURIFICATION Volume: 124 Pages: 55-61, WOS

6. [1.1] Dixit, PP (Dixit, Prashant P.); Deshmukh, AM (Deshmukh, Arvind M.): XYLANASE from STREPTOMYCES HYGROSCOPICUS under Solid State Fermentation. In: INTERNATIONAL JOURNAL OF ADVANCED BIOTECHNOLOGY AND RESEARCH Volume: 7 Issue: 1 Pages: 38-46, WOS

7. [1.1] Fleuri, LF (Fleuri, Luciana Francisco); Delgado, CHO (Okino Delgado, Clarissa Hamaio); Novelli, PK (Novelli, Paula Kern); Pivetta, MR (Pivetta, Mayara Rodrigues); do Prado, DZ (do Prado, Debora Zanoni); Simon, JW (Simon, Juliana Wagner): Enzymes in Fruit Juice and Vegetable Processing. In: ENZYMES IN FOOD AND BEVERAGE PROCESSING Pages: 255-279, WOS

8. [1.1] Garg, S (Garg, Sarika): Xylanase: Applications in Biofuel Production. In: CURRENT METABOLOMICS Volume: 4 Issue: 1 Pages: 23-37, WOS

9. [1.1] Gong, WL (Gong, Weili); Zhang, HQ (Zhang, Huaiqiang); Tian, L (Tian, Li); Liu, SJ (Liu, Shijia); Wu, XY (Wu, Xiuyun); Li, FL (Li, Fuli); Wang, LS (Wang, Lushan): : Determination of the modes of action and synergies of xylanases by analysis of xylooligosaccharide profiles over time using fluorescence-assisted carbohydrate electrophoresis. In: ELECTROPHORESIS Volume: 37 Issue: 12 Pages: 1640-1650, WOS

10. [1.1] Gramany, V (Gramany, Vashni); Khan, FI (Khan, Faez Iqbal); Govender, A (Govender, Algasan); Bisetty, K (Bisetty, Krishna); Singh, S (Singh, Suren); Permaul, K (Permaul, Kugenthiren): Cloning, expression, and molecular dynamics simulations of a xylosidase obtained from Thermomyces lanuginosus. In: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 34 Issue: 8 Pages: 1681-1692, WOS

11. [1.1] Jordan, DB (Jordan, Douglas B.); Braker, JD (Braker, Jay D.); Wagschal, K (Wagschal, Kurt); Stoller, JR (Stoller, J. Rose); Lee, CC (Lee, Charles C.): Isolation and divalent-metal activation of a beta-xylosidase, RUM630-BX. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 82 Pages: 158-163, WOS

12. [1.1] Kalim, B (Kalim, Bushra); Ali, NM (Ali, Nazish Mazhar): Optimization of fermentation media and growth conditions for microbial xylanase production. In: 3 BIOTECH Volume: 6 Article Number: 122, WOS

13. [1.1] Kallel, F (Kallel, Fatma); Driss, D (Driss, Dorra); Chaari, F (Chaari, Fatma); Zouari-Ellouzi, S (Zouari-Ellouzi, Soumaya); Chaabouni, M (Chaabouni, Moncef); Ghorbel, R (Ghorbel, Raoudha); Chaabouni, SE (Chaabouni, Semia Ellouz): Statistical optimization of low-cost production of an acidic xylanase by Bacillus mojavensis UEB-FK: Its potential applications. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 5 Pages: 1-10, WOS

14. [1.1] Kim, Da Som; Bae, Chang Hwan; Yeo, Joo Hong; Chi, Won-Jae: Identification and Biochemical Characterization of a New Xylan-degrading Streptomyces atrovirens Subspecies WJ-2 Isolated from Soil of Jeju Island in Korea. In: Korean Journal of Microbiology and Biotechnology Volume: 44 Issue: 4 Pages: 512-521, WOS
15. [1.1] Kwon, M (Kwon, Mi); Song, J (Song, Jaeyong); Park, HS (Park, Hong-Seog); Park, H (Park, Hyunjin); Chang, J (Chang, Jongsoo): Characterization of Heterologously Expressed Acetyl Xylan Esterase1 Isolated from the Anaerobic Rumen Fungus Neocallimastix frontalis PMA02. In: ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES Volume: 29 Issue: 11 Pages: 1576-1584, WOS
16. [1.1] Long, LK (Long, Liangkun); Chen Zheng, F (Zheng, Fei); Huang, JX (Huang, Jingxuan); Liu, XC (Liu, Xingchen); Hu, H (Hu, Hang);, KX (Chen, Kaixiang); Ding, SJ (Ding, Shaojun): N- and C-terminal truncations of a GH10 xylanase significantly increase its activity and thermostability but decrease its SDS resistance. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 8 Pages: 3555-3565, WOS
17. [1.1] Loureiro, DB (Loureiro, Dana B.); Romanini, D (Romanini, Diana); Tubio, G (Tubio, Gisela): Structural and functional analysis of Aspergillus niger xylanase to be employed in polyethylenglycol/salt aqueous two-phase extraction. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 5 Pages: 204-210, WOS
18. [1.1] Qiu, J (Qiu, Jin); Han, HJ (Han, Hongjuan); Sun, BH (Sun, Baihui); Chen, L (Chen, Lei); Yu, CY (Yu, Chengye); Peng, RH (Peng, Rihe); Yao, QH (Yao, Quanhong): Residue mutations of xylanase in Aspergillus kawachii alter its optimum pH. In: MICROBIOLOGICAL RESEARCH Volume: 182 Pages: 1-7, WOS
19. [1.1] Selim, Samy: Molecular Characterization of Thermostable xylanase Producing Thermoactinomyces vulgaris HSB4. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 1965-1969, WOS
20. [1.1] Shelomi, M (Shelomi, Matan); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): Ancestral gene duplication enabled the evolution of multifunctional cellulases in stick insects (Phasmatodea). In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 1-11, WOS
21. [1.1] Terrasan, CRF (Fanchini Terrasan, Cesar Rafael); Aragon, CC (Casale Aragon, Caio); Masui, DC (Chodi Masui, Douglas); Pessela, BC (Costa Pessela, Benevides); Fernandez-Lorente, G (Fernandez-Lorente, Gloria); Carmona, EC (Carmona, Eleonora Cano); Guisan, JM (Manuel Guisan, Jose): beta-xylosidase from Selenomonas ruminantium: Immobilization, stabilization, and application for xylooligosaccharide hydrolysis. In: BIOCATALYSIS AND BIOTRANSFORMATION Volume: 34 Issue: 4 Pages: 161-171, WOS
22. [1.1] Terrasan, CRF (Fanchini Terrasan, Cesar Rafael); Guisan, JM (Manuel Guisan, Jose); Carmona, EC (Carmona, Eleonora Cano): Xylanase and beta-xylosidase from Penicillium janczewskii: Purification, characterization and hydrolysis of substrates. In: ELECTRONIC JOURNAL OF BIOTECHNOLOGY Volume: 23 Pages: 54-62, WOS
23. [1.1] Yang, R (Yang, Ran); Li, JC (Li, Jinchun); Teng, C (Teng, Chao); Li, XT (Li, Xiuting): Cloning, overexpression and characterization of a xylanase gene from a novel Streptomyces rameus L2001 in Pichia pastoris. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 131 Pages: 85-93, WOS
24. [1.2] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS
25. [1.2] Kashyap, R., Monika, & Tripathp, S. (2016). Isolation and production of bacterial acidothermophilic and organic solvent tolerant xylanase. Asian Journal of Microbiology, Biotechnology and Environmental Sciences, 18(3), 737-744, SCOPUS
26. [1.2] Mostek, A., Börner, A., & Weidner, S. (2016). Comparative proteomic analysis of β-aminobutyric acid-mediated alleviation of salt stress in barley. Plant Physiology and Biochemistry, 99, 150-161, SCOPUS
27. [1.2] X., Ye, X., Wang, G., Liang, Y., Xu, F., & Lin, J. (2016). Screening and identification of xylanase-producing microorganisms and study on enzyme properties. Journal of Chinese Institute of Food Science and Technology, 16(1), 115-122, SCOPUS

ADCA69 BIELY, Peter - VRŠANSKÁ, Mária - TENKANEN, M. - KLUEPFEL, D. Endo-beta-1,4-xylanase families: diferencec in catalytic properties. In Journal of Biotechnology, 1997, vol. 57, p. 151-166. ISSN 0168-1656.

Citácie:

1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, J.); Dominguez-Hernandez, EM (Dominguez-Hernandez, E. M.); Mercado-Flores, Y (Mercado-Flores, Y.); O'Donovan, A (O'Donovan, A.); Diaz-Godinez, G (Diaz-Godinez, G.): Mycosphere Essay 10: Properties and characteristics of

microbial xylanases. In: MYCOSPHERE Volume: 7 Issue: 10 Special Issue: SI Pages: 1600-1619, WOS
2. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, Jorge); Diaz-Godinez, G (Diaz-Godinez, Gerardo); Mercado-Flores, Y (Mercado-Flores, Yuridia); Gupta, VK (Gupta, Vijai Kumar); Anducho-Reyes, MA (Anducho-Reyes, Miguel Angel): Phylogenetic analysis of beta-xylanase SRXL1 of Sporisorium reilianum and its relationship with families (GH10 and GH11) of Ascomycetes and Basidiomycetes. In. SCIENTIFIC REPORTS Volume: 6 Article Number: 24010, WOS
3. [1.1] Chakdar, H (Chakdar, Hillol); Kumar, M (Kumar, Murugan); Pandiyan, K (Pandiyan, Kuppusamy); Singh, A (Singh, Arjun); Nanjappan, K (Nanjappan, Karthikeyan); Kashyap, PL (Kashyap, Prem Lal); Srivastava, AK (Srivastava, Alok Kumar): Bacterial xylanases: biology to biotechnology. In: 3 BIOTECH Volume: 6 Article Number: 150, WOS
4. [1.1] Cui, SX (Cui, Shixiu); Wang, TW (Wang, Tianwen); Hu, H (Hu, Hong); Liu, LW (Liu, Liangwei); Song, AD (Song, Andong); Chen, HG (Chen, Hongge): Investigating the expression of F10 and G11 xylanases in Aspergillus niger A09 with qPCR. In: CANADIAN JOURNAL OF MICROBIOLOGY Volume: 62 Issue: 9 Pages: 744-752, WOS
5. [1.1] Finore, I (Finore, Ilaria); Poli, A (Poli, Annarita); Di Donato, P (Di Donato, Paola); Lama, L (Lama, Licia); Trincone, A (Trincone, Antonio); Fagnano, M (Fagnano, Massimo); Mori, M (Mori, Mauro); Nicolaus, B (Nicolaus, Barbara); Tramice, A (Tramice, Annabella): The hemicellulose extract from Cynara cardunculus: a source of value-added biomolecules produced by xylanolytic thermozymes. In: GREEN CHEMISTRY Volume: 18 Issue: 8 Pages: 2460-2472, WOS
6. [1.1] Garcia-Huante, Y (Garcia-Huante, Yolanda); Cayetano-Cruz, M (Cayetano-Cruz, Maribel); Santiago-Hernandez, A (Santiago-Hernandez, Alejandro); Cano-Ramirez, C (Cano-Ramirez, Claudia); Marsch-Moreno, R (Marsch-Moreno, Rodolfo); Campos, JE (Campos, Jorge E.); Aguilar-Osorio, G (Aguilar-Osorio, Guillermo); Benitez-Cardoza, CG (Benitez-Cardoza, Claudia G.); Trejo-Estrada, S (Trejo-Estrada, Sergio); Hidalgo-Lara, ME (Eugenia Hidalgo-Lara, Maria): The thermophilic biomass-degrading fungus Thielavia terrestris Co3Bag1 produces a hyperthermophilic and thermostable beta-1,4-xylanase with exo- and endo-activity. In: EXTREMOPHILES Volume: 21 Issue: 1 Pages: 175-186, WOS
7. [1.1] Generoso, WC (Generoso, Wesley Cardoso); Malago, W (Malago-, Wilson, Jr.); Pereira, N (Pereira-, Nei, Jr.); Henrique-Silva, F (Henrique-Silva, Flavio): Triggering the Expression of Cellulolytic Genes Using a Recombinant Endoxylanase from Trichoderma harzianum IOC-3844. In: BIOENERGY RESEARCH Volume: 9 Issue: 3 Pages: 931-941, WOS
8. [1.1] Gong, WL (Gong, Weili); Zhang, HQ (Zhang, Huaiqiang); Tian, L (Tian, Li); Liu, SJ (Liu, Shijia); Wu, XY (Wu, Xiuyun); Li, FL (Li, Fuli); Wang, LS (Wang, Lushan): Determination of the modes of action and synergies of xylanases by analysis of xylooligosaccharide profiles over time using fluorescence-assisted carbohydrate electrophoresis. In: ELECTROPHORESIS Volume: 37 Issue: 12 Pages: 1640-1650, WOS
9. [1.1] Hachem, K (Hachem, Kadda); Faugeron, C (Faugeron, Celine); Kaid-Harche, M (Kaid-Harche, Meriem); Gloaguen, V (Gloaguen, Vincent): Structural Investigation of Cell Wall Xylan Polysaccharides from the Leaves of Algerian Argania spinosa. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1587, WOS
10. [1.1] Ko, JK (Ko, Ja Kyong); Ko, H (Ko, Hyeokjin); Kim, KH (Kim, Kyoung Heon); Choi, IG (Choi, In-Geol): Characterization of the biochemical properties of recombinant Xyn10C from a marine bacterium, Saccharophagus degradans 2-40. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 4 Pages: 677-684, WOS
11. [1.1] Li, HL (Li, Hailong); Xue, Y (Xue, Yong); Wu, JL (Wu, Jinlian); Wu, HL (Wu, Hongli); Qin, GH (Qin, Guanghui); Li, CG (Li, Chengguo); Ding, JJ (Ding, Jiajia); Liu, J (Liu, Jian); Gan, LH (Gan, Lihui); Long, MN (Long, Minnan): Enzymatic hydrolysis of hemicelluloses from Miscanthus to monosaccharides or xylo-oligosaccharides by recombinant hemicellulases. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 79 Pages: 170-179, WOS
12. [1.1] Maitan-Alfenas, GP (Maitan-Alfenas, Gabriela P.); Oliveira, MB (Oliveira, Mariana B.); Nagem, RAP (Nagem, Ronaldo A. P.); de Vries, RP (de Vries, Ronald P.); Guimaraes, VM (Guimaraes, Valeria M.): Characterization and biotechnological application of recombinant xylanases from Aspergillus nidulans. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 60-67, WOS
13. [1.1] Matsuzawa, T (Matsuzawa, Tomohiko); Kaneko, S (Kaneko, Satoshi); Yaoi, K (Yaoi, Katsuro): Improvement of thermostability and activity of Trichoderma reesei endo-xylanase Xyn III on insoluble substrates. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 18 Pages: 8043-8051, WOS
14. [1.1] McKee, LS (McKee, Lauren S.); Sunner, H (Sunner, Hampus); Anasontzis, GE (Anasontzis, George E.); Toriz, G (Toriz, Guillermo); Gatenholm, P (Gatenholm, Paul); Bulone, V

(Bulone, Vincent); Vilaplana, F (Vilaplana, Francisco); Olsson, L (Olsson, Lisbeth): A GH115 alpha-glucuronidase from Schizophyllum commune contributes to the synergistic enzymatic deconstruction of softwood glucuronoarabinoxylan. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 2, WOS
15. [1.1] Nakazawa, H (Nakazawa, Hikaru); Kawai, T (Kawai, Tetsushi); Ida, N (Ida, Noriko); Shida, Y (Shida, Yosuke); Shioya, K (Shioya, Kouki); Kobayashi, Y (Kobayashi, Yoshinori); Okada, H (Okada, Hirofumi); Tani, S (Tani, Shuji); Sumitani, J (Sumitani, Jun-ichi); Kawaguchi, T (Kawaguchi, Takashi); Morikawa, Y (Morikawa, Yasushi); Ogasawara, W (Ogasawara, Wataru): A high performance Trichoderma reesei strain that reveals the importance of xylanase III in cellulosic biomass conversion. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 82 Pages: 89-95, WOS
16. [1.1] Ratnadewi, AAI (Ratnadewi, Anak Agung Istri); Handayani, W (Handayani, Wuryanti); Oktavianawati, I (Oktavianawati, Ika); Santoso, AB (Santoso, Agung Budi); Puspaningsih, NNT (Puspaningsih, Ni Nyoman Tri): Isolation And Hydrolysis Xylan From Soybean Waste With Endo-beta-1,4-D-Xilanase Of Bacillus sp From Soil Termite Abdomen. In: INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND NATURAL RESOURCES, IC-FANRES 2015 Book Series Title: Agriculture and Agricultural Science Procedia Volume: 9 Pages: 371-377, WOS
17. [1.1] Ratnadewi, AAI (Ratnadewi, Anak Agung Istri); Santoso, AB (Santoso, Agung Budi); Sulistyaningsih, E (Sulistyaningsih, Erma); Handayani, W (Handayani, Wuryanti): Application of Cassava Peel and Waste as Raw Materials for Xylooligosaccharide Production using Endoxylanase from Bacillus subtilis of Soil Termite Abdomen. In: MOLECULAR AND CELLULAR LIFE SCIENCES: INFECTIOUS DISEASES, BIOCHEMISTRY AND STRUCTURAL BIOLOGY 2015 CONFERENCE Book Series Title: Procedia Chemistry Volume: 18 Pages: 31-38, WOS
18. [1.1] Rhee, MS (Rhee, Mun Su); Wei, LS (Wei, Lusha); Sawhney, N (Sawhney, Neha); Kim, YS (Kim, Young Sik); Rice, JD (Rice, John D.); Preston, JF (Preston, James F.): Metabolic potential of Bacillus subtilis 168 for the direct conversion of xylans to fermentation products. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 3 Pages: 1501-1510, WOS
19. [1.1] Septiningrum, K (Septiningrum, Krisna); Ohi, H (Ohi, Hiroshi); Nakagawa-izumi, A (Nakagawa-izumi, Akiko); Kosugi, A (Kosugi, Akihiko): Characterization of Hexenuronosyl Xylan-degrading Enzymes Produced by Paenibacillus sp 07. In: BIORESOURCES Volume: 11 Issue: 1 Pages: 2756-2767 Published: 2016 ISSN: 1930-2126, WOS
20. [1.1] Tramontina, R (Tramontina, Robson); Robl, D (Robl, Diogo); Maitan-Alfenas, GP (Maitan-Alfenas, Gabriela Piccolo); de Vries, RP (de Vries, Ronald P.): Cooperation of Aspergillus nidulans enzymes increases plant polysaccharide saccharification. In: BIOTECHNOLOGY JOURNAL Volume: 11 Issue: 7 Pages: 988-992, WOS
21. [1.1] Valls, A (Valls, Adria); Diaz, P (Diaz, Pilar); Pastor, FIJ (Javier Pastor, F. I.); Valenzuela, SV (Valenzuela, Susana V.): A newly discovered arabinoxylan-specific arabinofuranohydrolase. Synergistic action with xylanases from different glycosyl hydrolase families. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 4 Pages: 1743-1751, WOS
22. [1.1] Wahab, MKHB (Wahab, Mohd Khairul Hakimi bin Abdul); bin Jonet, MA (bin Jonet, Mohd Anuar); Illias, RM (Illias, Rosli Md): Thermostability enhancement of xylanase Aspergillus fumigatus RT-1. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 134 Pages: 154-163, WOS
23. [1.1] Wei, LS (Wei, Lusha); Rhee, MS (Rhee, Mun Su); Preston, JF (Preston, James F.); Chen, H (Chen, Hui): Production of acidic xylooligosaccharides from methylglucuronoarabinoxylans by Bacillus subtilis strain MR44. In: JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY Volume: 91 Issue: 7 Pages: 2056-2062, WOS
24. [1.1] Zhang, QH (Zhang, Qinghua); Li, HG (Li, Hanguang); Zhu, XD (Zhu, Xiangdong); Lai, FJ (Lai, Fenju); Zhai, ZJ (Zhai, Zhijun); Wang, YX (Wang, Yuanxiu): Exploration of the key functional proteins from an efficient cellulolytic microbial consortium using dilution-to-extinction approach. In: JOURNAL OF ENVIRONMENTAL SCIENCES Volume: 43 Pages: 199-207, WOS
25. [1.1] Zhang, ZX (Zhang, Zhengxiao); Smith, C (Smith, Christopher); Li, WL (Li, Weili); Ashworth, J (Ashworth, Jason): Characterization of Nitric Oxide Modulatory Activities of Alkaline-Extracted and Enzymatic-Modified Arabinoxylans from Corn Bran in Cultured Human Monocytes. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 43 Pages: 8128-8137, WOS
26. [1.2] Bajwa, P. K., Harrington, S., Dashtban, M., & Lee, H. (2016). Expression and characterization of glycosyl hydrolase family 115 α-glucuronidase from scheffersomyces stipitis. Industrial Biotechnology, 12(2), 98-104, SCOPUS
27. [1.2] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of

lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS
28. [1.2] Izydorczyk, M. S. (2016). Barley arabinoxylans: Molecular, physicochemical, and functional properties. In Barley: Chemistry and technology: Second edition (AACC International, chapter 5, pp. 97-122), SCOPUS
29. [1.2] Malunga, L. N., & Beta, T. (2016). Isolation and identification of feruloylated arabinoxylan mono- and oligosaccharides from undigested and digested maize and wheat. Heliyon, 2(5), SCOPUS

ADCA70 BIELY, Peter - LEATHERS, T.D. - CZISZÁROVÁ, Mária - VRŠANSKÁ, Mária - COTTA, M.A. Endo-beta-1,4-xylanase inhibitors in leaves and roots of germinated maize. In Journal of Cereal Science, 2008, vol.47, p. 27-32. ISSN 0733-5210.

Citácie:
1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, J.); Dominguez-Hernandez, EM (Dominguez-Hernandez, E. M.); Mercado-Flores, Y (Mercado-Flores, Y.); O'Donovan, A (O'Donovan, A.); Diaz-Godinez, G (Diaz-Godinez, G.): Mycosphere Essay 10: Properties and characteristics of microbial xylanases. In: MYCOSPHERE Volume: 7 Issue: 10 Special Issue: SI Pages: 1600-1619, WOS
2. [1.1] Garg, S (Garg, Sarika): Xylanase: Applications in Biofuel Production. In: CURRENT METABOLOMICS Volume: 4 Issue: 1 Pages: 23-37, WOS
3. [1.2] Wang, Q. R., Wu, J. X., Zhang, R. Q., Chi, Y. C., Xu, M. L., Xia, S. C., & Yan, H. H. (2016). Analysis of cell wall degrading enzymes secreted by rhizoctonia solani and its pathogenicity. Zhiwu Shengli Xuebao/Plant Physiology Journal, 52(3), 269-276, SCOPUS

ADCA71 BIELY, Peter - KRÁTKY, Zdeno - KOVAŘÍK, J. - BAUER, Štefan. Effect of 2-deoxyglucose on cell wall formation in Saccharomyces cerevisiae and its relation to cell growth inhibition. In Journal of Bacteriology, 1971, vol. 107, p. 121-129. ISSN 0021-9193.

Citácie:
1. [1.1] Li, JY (Li, Jinyun); Trivedi, P (Trivedi, Pankaj); Wang, N (Wang, Nian): Field Evaluation of Plant Defense Inducers for the Control of Citrus Huanglongbing. In: PHYTOPATHOLOGY Volume: 106 Issue: 1 Pages: 37-46, WOS
2. [1.1] Vishwanatha, A (Vishwanatha, Akshay); Rallis, C (Rallis, Charalampos); Subramanyaswamy, SB (Subramanyaswamy, Shubha Bevkal); D'Souza, CJM (D'Souza, Cletus Joseph Michael); Bahler, J (Bahler, Jurg); Schweingruber, ME (Schweingruber, Martin Ernst): Identification of nuclear genes affecting 2-Deoxyglucose resistance in Schizosaccharomyces pombe. In: FEMS YEAST RESEARCH Volume: 16 Issue: 6 Article Number: fow061, WOS

ADCA72 BIELY, Peter - KRÁTKY, Z. - KOCKOVÁ-KRATOCHVÍLOVÁ, A. - BAUER, Štefan. Xylan-degrading activity in yeasts: Growth on xylose, xylan and hemicelluloses. In Folia microbiologica, 1978, vol. 23, p. 366-371. ISSN 0015-5632.

Citácie:
1. [1.1] Leung, HTC (Leung, Hilary T. C.); Maas, KR (Maas, Kendra R.); Wilhelm, RC (Wilhelm, Roland C.); Mohn, WW (Mohn, William W.): Long-term effects of timber harvesting on hemicellulolytic microbial populations in coniferous forest soils. In: ISME JOURNAL Volume: 10 Issue: 2 Pages: 363-375, WOS
2. [1.1] Wang, P (Wang, Pei); Tao, H (Tao, Han); Jin, ZY (Jin, Zhengyu); Xu, XM (Xu, Xueming):Impact of water extractable arabinoxylan from rye bran on the frozen steamed bread dough quality. In: FOOD CHEMISTRY Volume: 200 Pages: 117-124, WOS

ADCA73 BIELY, Peter - VRŠANSKÁ, Mária - GORBACHEVA, I.V. The active site of an acidic endo-1,4-ß-xylanase of Aspergillus niger. In Biochimica et Biophysica Acta, 1983, vol. 743, p. 155-161. ISSN 0304-419X.

Citácie:
1. [1.1] Eide, KB (Eide, Kristine Bistrup); Stockinger, LW (Stockinger, Linn Wilhelmsen); Lewin, AS (Lewin, Anna Sofia); Tondervik, A (Tondervik, Anne); Eijsink, VGH (Eijsink, Vincent G. H.); Sorlie, M (Sorlie, Morten): The role of active site aromatic residues in substrate degradation by the human chitotriosidase. In: BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1864 Issue: 2 Pages: 242-247, WOS

ADCA74 BIELY, Peter - MACKENZIE, Colin R. - PULS, Jurgen - SCHNEIDER, Henry. Cooperativity of esterases and xylanases in the enzymatic degradation of acetyl xylan. In Biotechnology, 1986, vol.4, p. 731-733.

Citácie:
1. [1.1] Bi, R (Bi, Ran); Berglund, J (Berglund, Jennie); Vilaplana, F (Vilaplana, Francisco); McKee, LS (McKee, Lauren S.); Henriksson, G (Henriksson, Gunnar): The degree of acetylation affects the microbial degradability of mannans. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 36-46, WOS

2. [1.1] Conway, JM (Conway, Jonathan M.); Zurawski, JV (Zurawski, Jeffrey V.); Lee, LL (Lee, Laura L.); Blumer-Schuette, SE (Blumer-Schuette, Sara E.); Kelly, RM (Kelly, Robert M.): Lignocellulosic Biomass Deconstruction by the Extremely Thermophilic Genus Caldicellulosiruptor. In: THERMOPHILIC MICROORGANISMS Pages: 91-119, WOS
3. [1.1] Marriott, PE (Marriott, Poppy E.); Gomez, LD (Gomez, Leonardo D.); McQueen-Mason, SJ (McQueen-Mason, Simon J.): Unlocking the potential of lignocellulosic biomass through plant science. In: NEW PHYTOLOGIST Volume: 209 Issue: 4 Pages: 1366-1381, WOS
4. [1.1] Munir, R (Munir, Riffat); Levin, DB (Levin, David B.): Enzyme Systems of Anaerobes for Biomass Conversion. In: ANAEROBES IN BIOTECHNOLOGY Book Series Title: Advances in Biochemical Engineering-Biotechnology Volume: 156 Pages: 113-138, WOS
5. [1.1] Wang, C (Wang, Cheng); Dong, D (Dong, Da); Wang, HS (Wang, Haoshu); Muller, K (Mueller, Karin); Qin, Y (Qin, Yong); Wang, HL (Wang, Hailong); Wu, WX (Wu, Weixiang): Metagenomic analysis of microbial consortia enriched from compost: new insights into the role of Actinobacteria in lignocellulose decomposition. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 22, WOS

ADCA75 BÍLIKOVÁ, Katarína - HANES, J. - NORDHOFF, E. - SAENGER, W. - KLAUDINY, Jaroslav - ŠIMÚTH, Jozef. Apisimin, a new serine-valine-rich peptide from honeybee (Apis mellifera L.) royal jelly: purification and molecular characterization. In FEBS Letters, 2002, vol.528, p. 125-129. ISSN 0014-5793.

Citácie:
1. [1.1] Alberoni, D (Alberoni, Daniele); Gaggia, F (Gaggia, Francesca); Baffoni, L (Baffoni, Loredana); Di Gioia, D (Di Gioia, Diana): Beneficial microorganisms for honey bees: problems and progresses. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 22 Pages: 9469-9482, WOS
2. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS
3. [1.1] Furusawa, T (Furusawa, Takako); Arai, Y (Arai, Yasuko); Kato, K (Kato, Kenji); Ichihara, K (Ichihara, Kenji): Quantitative Analysis of Apisin, a Major Protein Unique to Royal Jelly. In: EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE Article Number: 5040528, WOS

ADCA76 BÍLIKOVÁ, Katarína - WU, G.S. - ŠIMÚTH, Jozef. Isolation of a peptide fraction honeybee royal jelly as a potential antifoulbrood factor. In Apidologie Vol. 32, (2001), p. 275-283. ISSN 0044-8435.

Citácie:
1. [1.1] Erler, S (Erler, Silvio); Moritz, RFA (Moritz, Robin F. A.): Pharmacophagy and pharmacophory: mechanisms of self-medication and disease prevention in the honeybee colony (Apis mellifera). In: APIDOLOGIE Volume: 47 Issue: 3 Pages: 389-411, WOS
2. [1.1] Fratini, F., Cilia, G., Mancini, S., & Felicioli, A. (2016). Royal jelly: An ancient remedy with remarkable antibacterial properties. Microbiological Research, 192, 130-141, SCOPUS
3. [1.1] Geng, T (Geng, Tao); Huang, YX (Huang, Yuxia); Hou, CX (Hou, Chengxiang); Qin, GX (Qin, Guangxing); Lv, DD (Lv, Dingding); Guo, XJ (Guo, Xijie): Inductive expression patterns of genes related to Toll signaling pathway in silkworm (Bombyx mori) upon Beauveria bassiana infection. In: JOURNAL OF ASIA-PACIFIC ENTOMOLOGY Volume: 19 Issue: 3 Pages: 861-868, WOS
4. [1.1] Jie, H (Jie, H.); Li, PM (Li, P. M.); Zhao, GJ (Zhao, G. J.); Feng, XL (Feng, X. L.); Zeng, DJ (Zeng, D. J.); Zhang, CL (Zhang, C. L.); Lei, MY (Lei, M. Y.); Yu, M (Yu, M.); Chen, Q (Chen, Q.): Amino acid composition of royal jelly harvested at different times after larval transfer. In: GENETICS AND MOLECULAR RESEARCH Volume: 15 Issue: 3 Article Number: 15038306, WOS
5. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS

ADCA77 BÍLIK, Vojtech - VOELTER, W. - BAYER, E. Epimerisierung von D-galactose. VIII. In Liebigs Annalen der Chemie, 1974, vol. 1974, p. 1162-1166.

Citácie:
1. [1.1] Jia, YQ (Jia, Yuqing); Liu, HC (Liu, Haichao): Mechanistic insight into the selective hydrogenolysis of sorbitol to propylene glycol and ethylene glycol on supported Ru catalysts. In: CATALYSIS SCIENCE & TECHNOLOGY Volume: 6 Issue: 19 Pages: 7042-7052, WOS

ADCA78 BÍLIK, Vojtech - PETRUŠ, Ladislav - ZEMEK, Juraj. Reactions of saccharides catalyzed by molybdate ions. XIX. Molybdate complexes and epimerization of aldoses as a function of pH. In

Chemické zvesti, 1978, vol. 32, p. 242-251. ISSN 0366-6352.

Citácie:

1. [1.1] Brand, SK (Brand, Stephen K.); Labinger, JA (Labinger, Jay A.); Davis, ME (Davis, Mark E.): CHEMCATCHEM Volume: 8 Issue: 1 Pages: 121-124, WOS

ADCA79 BÍLIK, Vojtech - VOELTER, W. - BAYER, E. Durch Molybdationen katalysierte Reaktionen bei Kohlenhydraten, V. Epimerisierung von L-Rhamnose. In Justus Liebigs Annalen der Chemie, 1972, vol. 759, p. 189-194.

Citácie:

1. [1.2] Hricoviniova, Z. (2015). Transition-metal-catalyzed transformation of monosaccharides and polysaccharides. In Polysaccharides: Bioactivity and biotechnology (Springer, chapter 45, pp. 1319-1371), SCOPUS

ADCA80 BILISICS, Ladislav - VOJTAŠŠÁK, J. - CAPEK, Peter - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Changes in glycosidase activities during galactoglucomannan oligosaccharide inhibition of auxin induced growth. In Phytochemistry, 2004, vol. 2004, p. 1903-1909. ISSN 0031-9422.

Citácie:

1. [1.1] Abedi, T (Abedi, Tayebeh); Khalil, MFM (Khalil, Mohamed Farouk Mohamed); Asai, T (Asai, Toshihiko); Ishihara, N (Ishihara, Nami); Kitamura, K (Kitamura, Kenji); Ishida, N (Ishida, Nobuhiro); Tanaka, N (Tanaka, Nobukazu): UDP-galactose transporter gene hUGT1 expression in tobacco plants leads to hyper-galactosylated cell wall components. In: JOURNAL OF BIOSCIENCE AND BIOENGINEERING Volume: 121 Issue: 5 Pages: 573-583, WOS

ADCA81 BIRKHOLZ, Alysia - NEMČOVIČ, Marek - YU, Esther Dawen - GIRARDI, Enrico - WANG, Jing - KHURANA, Archana - PAUWELS, Nora - FARBER, Elisa - CHITALE, Sampada - FRANCK, Richard W. - TSUJI, Moriya - HOWELL, Amy - VAN CALENBERGH, Serge - KRONENBERG, Mitchell - ZAJONC, Dirk M. Lipid and carbohydrate modifications of α-galactosylceramide differently influence mouse and human type I natural killer T cell activation. In Journal of Biological Chemistry, 2015, vol. 290, p. 17206-17217. (4.573 - IF2014). (2015 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Huang, SX (Huang, Shouxiong); Moody, DB (Moody, D. Branch): Donor-unrestricted T cells in the human CD1 system. In: IMMUNOGENETICS Volume: 68 Issue: 8 Pages: 577-596, WOS

2. [1.1] Jukes, JP (Jukes, John-Paul); Gileadi, U (Gileadi, Uzi); Ghadbane, H (Ghadbane, Hemza); Yu, TF (Yu, Ting-Fong); Shepherd, D (Shepherd, Dawn); Cox, LR (Cox, Liam R.); Besra, GS (Besra, Gurdyal S.); Cerundolo, V (Cerundolo, Vincenzo): Non-glycosidic compounds can stimulate both human and mouse iNKT cells. In: EUROPEAN JOURNAL OF IMMUNOLOGY Volume: 46 Issue: 5 Pages: 1224-1234, WOS

3. [1.1] Smith, DGM (Smith, Dylan G. M.); Williams, SJ (Williams, Spencer J.): Immune sensing of microbial glycolipids and related conjugates by T cells and the pattern recognition receptors MCL and Mincle. In: CARBOHYDRATE RESEARCH Volume: 420 Pages: 32-45, WOS

4. [1.2] Woods, N., Niwasabutra, K., Acevedo, R., Igoli, J., Altwaijry, N. A., Tusiimire, J., Gray, A. I., Watson, D. G., Ferro, V. A. (2016). Natural vaccine adjuvants and immunopotentiators derived from plants, fungi, marine organisms, and insects. In Immunopotentiators in modern vaccines: Second edition (Academic Press, chapter 11, pp. 211-229, SCOPUS

ADCA82 BLANCO, Noelia - SANZ, Ana B. - RODRIGUES-PENA, Jose M. - NOMBELA, César - FARKAŠ, Vladimír - HURTADO-GUERRERO, Ramón - ARROYO, Javier. Structural and functional analysis of yeast Crh1 and Crh2 transglycosylases. In FEBS Journal, 2015, vol.282, p. 715-731. (4.001 - IF2014). (2015 - Current Contents). ISSN 1742-464X.

Citácie:

1. [1.1] Omar, SC (Omar, Sarena Che); Bentley, MA (Bentley, Michael A.); Morieri, G (Morieri, Giulia); Preston, GM (Preston, Gail M.); Gurr, SJ (Gurr, Sarah J.): Validation of Reference Genes for Robust qRT-PCR Gene Expression Analysis in the Rice Blast Fungus Magnaporthe oryzae. In: PLOS ONE Volume: 11 Issue: 8 Article Number: e0160637, WOS

ADCA83 BOBOVSKÁ, Adela - TVAROŠKA, Igor - KÓŇA, Juraj. Theoretical study of enzymatic catalysis explains why the trapped covalent intermediate in the E303C mutant of glycosyltransferase GTB was not detected in the wild-type enzyme. In Glycobiology, 2015, vol. 25, p. 3-7. (3.147 - IF2014). (2015 - Current Contents). ISSN 0959-6658.

Citácie:

1. [1.1] Ardevol, A (Ardevol, Albert); Iglesias-Fernandez, J (Iglesias-Fernandez, Javier); Rojas-Cervellera, V (Rojas-Cervellera, Victor); Rovira, C (Rovira, Carme): The reaction mechanism of retaining glycosyltransferases. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 51-60, WOS

2. [1.1] Mendoza, F (Mendoza, Fernanda); Gomez, H (Gomez, Hansel); Lluch, JM (Lluch, Jose M.); Masgrau, L (Masgrau, Laura): alpha 1,4-N-Acetylhexosaminyltransferase EXTL2: The

Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. In: ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2577-2589, WOS

ADCA84 BOBOVSKÁ, Adela - TVAROŠKA, Igor - KÓŇA, Juraj. A theoretical study on the catalytic mechanism of the retaining alfa-1,2-mannosyltransferase Kre2p/Mnt1p: the impact of different metal ions on catalysis. In Organic and Biomolecular Chemistry, 2014, vol. 12, p. 4201-4210. (3.487 - IF2013). (2014 - Current Contents). ISSN 1477-0520.

Citácie:

1. [1.1] Ardevol, A (Ardevol, Albert); Iglesias-Fernandez, J (Iglesias-Fernandez, Javier); Rojas-Cervellera, V (Rojas-Cervellera, Victor); Rovira, C (Rovira, Carme): The reaction mechanism of retaining glycosyltransferases. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 51-60, WOS

2. [1.1] Culbertson, AT (Culbertson, Alan T.); Chou, YH (Chou, Yi-Hsiang); Smith, AL (Smith, Adrienne L.); Young, ZT (Young, Zachary T.); Tietze, AA (Tietze, Alesia A.); Cottaz, S (Cottaz, Sylvain); Faure, R (Faure, Regis); Zabotina, OA (Zabotina, Olga A.): Enzymatic Activity of Xyloglucan Xylosyltransferase 5. In: PLANT PHYSIOLOGY Volume: 171 Issue: 3 Pages: 1893-1904, WOS

3. [1.1] Mendoza, F (Mendoza, Fernanda); Gomez, H (Gomez, Hansel); Lluch, JM (Lluch, Jose M.); Masgrau, L (Masgrau, Laura): alpha 1,4-N-Acetylhexosaminyltransferase EXTL2: The Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. In: ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2577-2589, WOS

ADCA85 BOTH, Peter - SOBCZAK, Lukas - BRETON, Christelle - HANN, Stephan - NOBAUER, Katharina - PASCHINGER, Katharina - KOZMON, Stanislav - MUCHA, Ján - WILSON, Iain B.H. Distantly related plant and nematode core alfa 1,3-fucosyltransferases display similar trends in structure-function relationships. In Glycobiology, 2011, vol. 21, p. 1401-1415. (3.791 - IF2010). (2011 - Current Contents). ISSN 0959-6658.

Citácie:

1. [1.1] Villaverde, AISB (Villaverde, Ana Izabel Silva Balbin); Hetherington, L (Hetherington, Louise); Baker, MA (Baker, Mark A.): Quantitative Glycopeptide Changes in Rat Sperm During Epididymal Transit. In: BIOLOGY OF REPRODUCTION Volume: 94 Issue: 4 Article Number: 91, WOS

2. [1.2] Miyoshi, E., Uozumi, N., Sobajima, T., Takamatsu, S., & Kamada, Y. (2016). Roles of fucosyltransferases in cancer phenotypes. In Glycosignals in cancer: Mechanisms of malignant phenotypes (Springer, chapter 1, pp. 3-16), SCOPUS

ADCA86 BRAMBILLA, Davide - VERPILLOT, Romain - LE DROUMAGUET, Benjamin - NICOLAS, Julien - TAVERNA, Myriam - KÓŇA, Juraj - LETTIERO, Barbara - HASHEMI, Hossein - DE KIMPE, Line - CANOVI, Mara - GOBBI, Marco - NICOLAS, Valérie - SCHEPER, Wiep - MOGHIMI, Moein - TVAROŠKA, Igor - COUVREUR, Patrick - ANDRIEUX, Karine. PEGylated nanoparticles bind to and alter amyloid-beta peptide conformation: Toward engineering of functional nanomedicines for Alzheimer´s disease. In ACS Nano, 2012, vol. 6, p. 5897-5908. (10.774 - IF2011). (2012 - Current Contents). ISSN 1936-0851.

Citácie:

1. [1.1] Kim, Y (Kim, Yuna); Park, JH (Park, Ji-Hyun); Lee, H (Lee, Hyojin); Nam, JM (Nam, Jwa-Min): How Do the Size, Charge and Shape of Nanoparticles Affect Amyloid beta Aggregation on Brain Lipid Bilayer?. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 19548, WOS

2. [1.1] Mirsadeghi, S (Mirsadeghi, Somayeh); Shanehsazzadeh, S (Shanehsazzadeh, Saeed); Atyabi, F (Atyabi, Fatemeh); Dinarvand, R (Dinarvand, Rassoul): Effect of PEGylated superparamagnetic iron oxide nanoparticles (SPIONs) under magnetic field on amyloid beta fibrillation process. In: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 59 Pages: 390-397, WOS

3. [1.1] Song, QX (Song, Qingxiang); Song, HH (Song, Huahua); Xu, JR (Xu, Jianrong); Huang, JL (Huang, Jialin); Hu, M (Hu, Meng); Gu, X (Gu, Xiao); Chen, J (Chen, Juan); Zheng, G (Zheng, Gang); Chen, HZ (Chen, Hongzhuan); Gao, XL (Gao, Xiaoling): Biomimetic ApoE-Reconstituted High Density Lipoprotein Nanocarrier for Blood-Brain Barrier Penetration and Amyloid Beta-Targeting Drug Delivery. In: MOLECULAR PHARMACEUTICS Volume: 13 Issue: 11 Pages: 3976-3987, WOS

4. [1.1] Trapiella-Alfonso, L (Trapiella-Alfonso, Laura); Ramirez-Garcia, G (Ramirez-Garcia, Gonzalo); d'Orlye, F (d'Orlye, Fanny); Varenne, A (Varenne, Anne): Electromigration separation methodologies for the characterization of nanoparticles and the evaluation of their behaviour in biological systems. In: TRAC-TRENDS IN ANALYTICAL CHEMISTRY Volume: 84 Pages: 121-130, WOS

5. [1.1] Veloz-Castillo, MF (Fernanda Veloz-Castillo, Maria); West, RM (West, Rachel M.); Cordero-Arreola, J (Cordero-Arreola, Jessica); Arias-Carrion, O (Arias-Carrion, Oscar); Mendez-Rojas, MA (Mendez-Rojas, Miguel A.): Nanomaterials for Neurology: State-of-the-Art. In:

CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS Volume: 15 Issue: 10 Pages: 1306-1324, WOS
6. [1.1] Wang, B (Wang, Bo); Blin, T (Blin, Thomas); Kakinen, A (Kakinen, Aleksandr); Ge, XW (Ge, Xinwei); Pilkington, EH (Pilkington, Emily H.); Quinn, JF (Quinn, John F.); Whittaker, MR (Whittaker, Michael R.); Davis, TP (Davis, Thomas P.); Ke, PC (Ke, Pu Chun); Ding, F (Ding, Feng): Brushed polyethylene glycol and phosphorylcholine for grafting nanoparticles against protein binding. In: POLYMER CHEMISTRY Volume: 7 Issue: 45 Pages: 6875-6879, WOS
7. [1.1] Yin, TT (Yin, Tiantian); Xie, WJ (Xie, Wenjie); Sun, J (Sun, Jing); Yang, LC (Yang, Licong); Liu, J (Liu, Jie): Penetratin Peptide-Functionalized Gold Nanostars: Enhanced BBB Permeability and NIR Photothermal Treatment of Alzheimer's Disease Using Ultralow Irradiance. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 30 Pages: 19291-19302, WOS
8. [1.1] van Herk, A (van Herk, Alexander); Forcada, J (Forcada, Jacqueline); Pastorin, G (Pastorin, Giorgia): Controlled Release Systems. In: CONTROLLED RELEASE SYSTEMS: ADVANCES IN NANOBOTTLES AND ACTIVE NANOPARTICLES Pages: XV-+, WOS

ADCA87 BREIEROVÁ, Emília - GREGOR, T. - MAROVÁ, I. - ČERTÍK, M. - KOGAN, Grigorij. Enhanced antioxidant formula based on a selenium-supplemented carotenoid-producing yeast biomass. In Chemistry & biodiversity, 2008, vol.5, p. 440-446. (1.420 - IF2007). (2008 - Current Contents). ISSN 1612-1872.

Citácie:
1. [1.1] Varmira, K (Varmira, Kambiz); Habibi, A (Habibi, Alireza); Moradi, S (Moradi, Samaneh); Bahramian, E (Bahramian, Elham): Statistical optimization of airlift photobioreactor for high concentration production of torularhodin pigment. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 8 Pages: 197-203, WOS

ADCA88 BREIEROVÁ, Emília - GREGOR, T. - JURŠÍKOVÁ, P. - STRATILOVÁ, Eva - FIŠERA, M. The role of pullulan and pectin in the uptake of Cd2+ and Ni2+ ions by Aureobasidium pullulans. In Annals of Microbiology, 2004, vol. 54, p. 247-255. ISSN 1590-4261.

Citácie:
1. [1.1] Jha, AK (Jha, Anal K.); Prasad, K (Prasad, Kamal): Understanding Mechanism of Fungus Mediated Nanosynthesis: A Molecular Approach. In: ADVANCES AND APPLICATIONS THROUGH FUNGAL NANOBIOTECHNOLOGY Book Series Title: Fungal Biology-US Pages: 1-23, WOS

ADCA89 BREIEROVÁ, Emília - VAJCZIKOVÁ, I. - SASINKOVÁ, Vlasta - STRATILOVÁ, Eva - FIŠERA, M. - GREGOR, T. - ŠAJBIDOR, J. Biosorption of cadmium ions by different yeast species. In Zeitschrift für Naturforschung C, 2002, vol. 57, p. 634-639.

Citácie:
1. [1.1] Celik, F (Celik, Fatih); Camas, M (Camas, Mustafa); Camas, AS (Camas, Anil Sazak); Ozalp, HB (Ozalp, Hasan Baris): Uranium (VI) Biosorption on Marine Sponge, Sarcotragus foetidus (Schmidt, 1862) and Its Statistical Investigation Using Central Composite Design. In: TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES Volume: 16 Issue: 4 Pages: 899-911, WOS
2. [1.1] Jha, AK (Jha, Anal K.); Prasad, K (Prasad, Kamal): Understanding Mechanism of Fungus Mediated Nanosynthesis: A Molecular Approach. In: NANOBIOTECHNOLOGY Book Series Title: Fungal Biology-US Pages: 1-23, WOS
3. [1.1] Khan, Z (Khan, Zaman); Rehman, A (Rehman, Abdul); Hussain, SZ (Hussain, Syed Z.): Resistance and uptake of cadmium by yeast, Pichia hampshirensis 4Aer, isolated from industrial effluent and its potential use in decontamination of wastewater. In: CHEMOSPHERE Volume: 159 Pages: 32-43, WOS
4. [1.1] Korbekandi, H (Korbekandi, Hassan); Mohseni, S (Mohseni, Soudabeh); Jouneghani, RM (Jouneghani, Rasoul Mardani); Pourhossein, M (Pourhossein, Meraj); Iravani, S (Iravani, Siavash): Biosynthesis of silver nanoparticles using Saccharomyces cerevisiae. In: ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY Volume: 44 Issue: 1 Pages: 235-239, WOS
5. [1.1] Prasad, R (Prasad, Ram); Pandey, R (Pandey, Rishikesh); Barman, I (Barman, Ishan): Engineering tailored nanoparticles with microbes: quo vadis?. In: WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIOTECHNOLOGY Volume: 8 Issue: 2 Pages: 316-330, WOS
6. [1.1] Slaba, M (Slaba, Miroslawa); Hrynkiewicz, K (Hrynkiewicz, Katarzyna); Gadd, GM (Gadd, Geoffrey M.): Heavy Metal Removal by Microbial Cells. In: MICROBIAL BIODEGRADATION: FROM OMICS TO FUNCTION AND APPLICATION Pages: 197-218, WOS
7. [1.1] Vadkertiova, R (Vadkertiova, Renata); Molnarova, J (Molnarova, Jana); Lux, A (Lux, Alexander); Vaculik, M (Vaculik, Marek); Liskova, D (Liskova, Desana): Yeasts associated with an abandoned mining area in Pernek and their tolerance to different chemical elements. In:

FOLIA MICROBIOLOGICA Volume: 61 Issue: 3 Pages: 199-207, WOS

ADCA90 BREIEROVÁ, Emília - STRATILOVÁ, Eva - ŠAJBIDOR, J. Salinity affects fatty acid and extracellular glycoprotein composition of Dipodascus australiensis. In Food Technology and Biotechnology, 1997, vol. 35, p. 237-241. ISSN 1330-9862.

Citácie:

1. [1.1] Cortes-Lorenzo, C (Cortes-Lorenzo, C.); Gonzalez-Martinez, A (Gonzalez-Martinez, A.); Smidt, H (Smidt, H.); Gonzalez-Lopez, J (Gonzalez-Lopez, J.); Rodelas, B (Rodelas, B.): Influence of salinity on fungal communities in a submerged fixed bed bioreactor for wastewater treatment. In: CHEMICAL ENGINEERING JOURNAL Volume: 285 Pages: 562-572, WOS

ADCA91 BREŽNÝ, Robert - SCHRAML, J. 29Si NMR spectral studies of kraft lignin and related model compounds. In Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 1987, vol. 41, p. 293-298. ISSN 0018-3830.

Citácie:

1. [1.1] Jereb, M (Jereb, Marjan); Lakner, J (Lakner, Janja): Synthesis of trimethylsilyl carboxylates by HMDS under solvent-free conditions. In: TETRAHEDRON Volume: 72 Issue: 37 Pages: 5713-5723, WOS

ADCA92 BREŽNÝ, Robert - MIHÁLOV, Vincent - KOVÁČIK, Vladimír. Low-temperature thermolysis of lignin I. Reactions of beta-O-4 model compounds. In Holzforschung, 1983, vol. 37, p. 199-204.

Citácie:

1. [1.1] Akazawa, M (Akazawa, Minami); Kato, Y (Kato, Yoshiaki); Kojima, Y (Kojima, Yasuo): Application of two resinols as lignin dimer models to characterize reaction mechanisms during pyrolysis. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 122 Pages: 355-364, WOS

2. [1.1] Akazawa, M (Akazawa, Minami); Kojima, Y (Kojima, Yasuo); Kato, Y (Kato, Yoshiaki): Effect of pyrolysis temperature on the pyrolytic degradation mechanism of beta-aryl ether linkages. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 118 Pages: 164-174, WOS

3. [1.1] Arshanitsa, A (Arshanitsa, Alexandr); Dizhbite, T (Dizhbite, Tatiana); Bikovens, O (Bikovens, Oskars); Pavlovich, G (Pavlovich, Gunars); Andersone, A (Andersone, Anna); Telysheva, G (Telysheva, Galina): Effects of Microwave Treatment on the Chemical Structure of Lignocarbohydrate Matrix of Softwood and Hardwood. In: ENERGY & FUELS Volume: 30 Issue: 1 Pages: 457-464, WOS

4. [1.1] Khachatryan, L (Khachatryan, Lavrent); Xu, MX (Xu, Meng-xia); Wu, AJ (Wu, Ang-jian); Pechagin, M (Pechagin, Mikhail); Asatryan, R (Asatryan, Rubik): Radicals and molecular products from the gas-phase pyrolysis of lignin model compounds. Cinnamyl alcohol. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 121 Pages: 75-83, WOS

5. [1.1] Zhang, W (Zhang, Wei); Sathitsuksanoh, N (Sathitsuksanoh, Noppadon); Simmons, BA (Simmons, Blake A.); Frazier, CE (Frazier, Charles E.); Barone, JR (Barone, Justin R.); Renneckar, S (Renneckar, Scott): Revealing the thermal sensitivity of lignin during glycerol thermal processing through structural analysis. In: RSC ADVANCES Volume: 6 Issue: 36 Pages: 30234-30246, WOS

ADCA93 BREŽNÝ, Robert - ŠURINA, I. - KOŠÍK, M. Low temperature thermolysis of lignins. II. Thermofractography and thermal analysis of beta-o-4 model compounds. In Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 1984, vol. 38, pp. 19-24. ISSN 0018-3830.

Citácie:

1. [1.1] Akazawa, M (Akazawa, Minami); Kato, Y (Kato, Yoshiaki); Kojima, Y (Kojima, Yasuo): Application of two resinols as lignin dimer models to characterize reaction mechanisms during pyrolysis. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 122 Pages: 355-364, WOS

2. [1.1] Akazawa, M (Akazawa, Minami); Kojima, Y (Kojima, Yasuo); Kato, Y (Kato, Yoshiaki): Effect of pyrolysis temperature on the pyrolytic degradation mechanism of beta-aryl ether linkages. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 118 Pages: 164-174, WOS

ADCA94 BREŽNÝ, Robert - PASZNER, L. - MICKO, M.M. - UHRÍN, Dušan. The ion-exchanging lignin derivatives prepared by Mannich reaction with amino acids. In Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 1988, vol. 42, pp. 369-373. ISSN 0018-3830.

Citácie:

1. [1.1] Gregorova, A (Gregorova, Adriana); Sedlarik, V (Sedlarik, Vladimir): Characterization of structural and physical properties of dichloromethane= and methanol-fractionated Kraft lignin and its adsorption capacity of Cu (II) and Ni (II) ions. In: DESALINATION AND WATER TREATMENT Volume: 57 Issue: 23 Pages: 10655-10663, WOS

ADCA95 BRISSONNET, Yoan - LADEVOZE, Simon - TEZÉ, David - FABRE, Emeline - DENIAUD, David - DALIGAULT, Franck - TELLIER, Charles - ŠESTÁK, Sergej - REMAUD-SIMEON, Magali - POTOCKI-VERONESE, Gabrielle - GOUIN, Sébastien G. Polymeric iminosugars improve the activity of carbohydrate-processing enzymes. In Bioconjugate Chemistry, 2015, vol. 26, p. 766-772. (4.513 - IF2014). (2015 - Current Contents). ISSN 1043-1802.

Citácie:

1. [1.1] Flos, MA (Flos, Marta Abellan); Moreno, MIG (Isabel Garcia Moreno, M.); Mellet, CO (Ortiz Mellet, Carmen); Fernandez, JMG (Garcia Fernandez, Jose Manuel); Nierengarten, JF (Nierengarten, Jean-Francois); Vincent, SP (Vincent, Stephane P.): Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 32 Pages: 11450-11460, WOS

2. [1.1] Lepage, ML (Lepage, Mathieu L.); Schneider, JP (Schneider, Jeremy P.); Bodlenner, A (Bodlenner, Anne); Meli, A (Meli, Alessandra); De Riccardis, F (De Riccardis, Francesco); Schmitt, M (Schmitt, Marjorie); Tarnus, C (Tarnus, Celine); Nguyen-Huynh, NT (Nha-Thi Nguyen-Huynh); Francois, YN (Francois, Yannis-Nicolas); Leize-Wagner, E (Leize-Wagner, Emmanuelle); Birck, C (Birck, Catherine); Cousido-Siah, A (Cousido-Siah, Alexandra); Podjarny, A (Podjarny, Alberto); Izzo, I (Izzo, Irene); Compain, P (Compain, Philippe): Iminosugar-Cyclopeptoid Conjugates Raise Multivalent Effect in Glycosidase Inhibition at Unprecedented High Levels. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 15 Pages: 5151-5155, WOS

3. [1.1] Matassini, C (Matassini, Camilla); Parmeggiani, C (Parmeggiani, Camilla); Cardona, F (Cardona, Francesca); Goti, A (Goti, Andrea): Are enzymes sensitive to the multivalent effect? Emerging evidence with glycosidases. In: TETRAHEDRON LETTERS Volume: 57 Issue: 49 Pages: 5407-5415, WOS

ADCA96 BRISSONNET, Yoan - ORTIZ MELLET, Carmen - MORANDAT, Sandrine - GARCIA MORENO, Isabel - DENIAUD, David - MATTHEWS, Susan - VIDAL, Sébastien - ŠESTÁK, Sergej - EL KIRAT, Karim - GOUIN, Sébastien. Topological effects and binding modes operating with multivalent iminosugar-based glycoclusters and mannosidases. In Journal of the American Chemical Society, 2013, vol. 135, p. 18427-18435. (10.677 - IF2012). (2013 - Current Contents). ISSN 0002-7863.

Citácie:

1. [1.1] Abellan-Flos, M (Abellan-Flos, Marta); Tanc, M (Tanc, Muhammet); Supuran, CT (Supuran, Claudiu T.); Vincent, SP (Vincent, Stephane P.): Multimeric xanthates as carbonic anhydrase inhibitors. In: JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 31 Issue: 6 Pages: 946-952, WOS

2. [1.1] He, Y (He, Yun); Agarwal, PK (Agarwal, Piyush K.); Kiran, INC (Kiran, I. N. Chaithanya); Yu, RC (Yu, Ruocheng); Cao, B (Cao, Bei); Zou, C (Zou, Cheng); Zhou, XH (Zhou, Xinghua); Xu, HC (Xu, Huacheng); Xu, B (Xu, Biao); Zhu, L (Zhu, Lei); Lan, Y (Lan, Yu); Nicolaou, KC (Nicolaou, K. C.): Efficient Synthesis of Dimeric Oxazoles, Piperidines and Tetrahydroisoquinolines from N-Substituted 2-Oxazolones. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 23 Pages: 7696-7701, WOS

3. [1.1] Hottin, A (Hottin, Audrey); Carrion-Jimenez, S (Carrion-Jimenez, Sebastian); Moreno-Clavijo, E (Moreno-Clavijo, Elena); Moreno-Vargas, AJ (Moreno-Vargas, Antonio J.); Carmona, AT (Carmona, Ana T.); Robina, I (Robina, Inmaculada); Behr, JB (Behr, Jean-Bernard): Expanding the library of divalent fucosidase inhibitors with polyamino and triazole-benzyl bridged bispyrrolidines. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 12 Pages: 3212-3220, WOS

4. [1.1] Laigre, E (Laigre, Eugenie); Hazelard, D (Hazelard, Damien); Casas, J (Casas, Josefina); Serra-Vinardell, J (Serra-Vinardell, Jenny); Michelakakis, H (Michelakakis, Helen); Mavridou, I (Mavridou, Irene); Aerts, JMFG (Aerts, Johannes M. F. G.); Delgado, A (Delgado, Antonio); Compain, P (Compain, Philippe): Investigation of original multivalent iminosugars as pharmacological chaperones for the treatment of Gaucher disease. In: CARBOHYDRATE RESEARCH Volume: 429 Pages: 98-104, WOS

5. [1.1] Martin, JJC (Cid Martin, J. J.); Assali, M (Assali, M.); Fernandez-Garcia, E (Fernandez-Garcia, E.); Valdivia, V (Valdivia, V.); Sanchez-Fernandez, EM (Sanchez-Fernandez, E. M.); Fernandez, JMG (Garcia Fernandez, J. M.); Wellinger, RE (Wellinger, R. E.); Fernandez, I (Fernandez, I.); Khiar, N (Khiar, N.): Tuning of glyconanomaterial shape and size for selective bacterial cell agglutination. In: JOURNAL OF MATERIALS CHEMISTRY B Volume: 4 Issue: 11 Pages: 2028-2037, WOS

6. [1.1] Matassini, C (Matassini, Camilla); Parmeggiani, C (Parmeggiani, Camilla); Cardona, F (Cardona, Francesca); Goti, A (Goti, Andrea): Are enzymes sensitive to the multivalent effect? Emerging evidence with glycosidases. In: TETRAHEDRON LETTERS Volume: 57 Issue: 49 Pages: 5407-5415, WOS

7. [1.1] Na, GR (Na, Guangren); He, Y (He, Ying); Kim, Y (Kim, Yongju); Lee, M (Lee, Myongsoo): Switching of carbohydrate nanofibers for regulating cell proliferation. In: SOFT MATTER Volume: 12 Issue: 11 Pages: 2846-2850, WOS
8. [1.1] Sattin, S (Sattin, Sara); Bernardi, A (Bernardi, Anna): Design and synthesis of glycomimetics. In: CARBOHYDRATE CHEMISTRY: CHEMICAL AND BIOLOGICAL APPROACHES, VOL 41 Book Series Title: Carbohydrate Chemistry-A Specialist Periodical Report Volume: 41 Pages: 1-25, WOS
9. [1.1] Tikad, A (Tikad, Abdellatif); Fu, HX (Fu, Huixiao); Sevrain, CM (Sevrain, Charlotte M.); Laurent, S (Laurent, Sophie); Nierengarten, JF (Nierengarten, Jean-Francois); Vincent, SP (Vincent, Stephane P.): Mechanistic Insight into Heptosyltransferase Inhibition by using Kdo Multivalent Glycoclusters. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 37 Pages: 13147-13155, WOS
10. [1.1] Zelli, R (Zelli, Renaud); Bartolami, E (Bartolami, Eline); Longevial, JF (Longevial, Jean-Francois); Bessin, Y (Bessin, Yannick); Dumy, P (Dumy, Pascal); Marra, A (Marra, Alberto); Ulrich, S (Ulrich, Sebastien): A metal-free synthetic approach to peptide-based iminosugar clusters as novel multivalent glycosidase inhibitors. In: RSC ADVANCES Volume: 6 Issue: 3 Pages: 2210-2216, WOS
11. [1.1] Zhao, K (Zhao, Kai); Zhou, G (Zhou, Gang); Nie, HF (Nie, Huifang); Chen, WP (Chen, Weiping): Three-step synthesis of L-ido-1-deoxynojirimycin derivatives by reductive amination in water, "borrowing hydrogen" under neat conditions and deprotection. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 40 Pages: 9466-9471, WOS

ADCA97 BROADLEY, M.R. - WHITE, P.J. - HAMMOND, J.P. - ZELKO, Ivan - LUX, Alexander. Zinc in plants. In New Phytologist, 2007, vol. 173, p. 677-702. ISSN 0028-646X.

Citácie:

1. [1.1] Adediran, GA (Adediran, Gbotemi A.); Ngwenya, BT (Ngwenya, Bryne T.); Mosselmans, JFW (Mosselmans, J. Frederick W.); Heal, KV (Heal, Kate V.): Bacteria-zinc co-localization implicates enhanced synthesis of cysteine-rich peptides in zinc detoxification when Brassica juncea is inoculated with Rhizobium leguminosarum. In: NEW PHYTOLOGIST Volume: 209 Issue: 1 Pages: 280-293, WOS
2. [1.1] Adediran, GA (Adediran, Gbotemi A.); Ngwenya, BT (Ngwenya, Bryne T.); Mosselmans, JFW (Mosselmans, J. Frederick W.); Heal, KV (Heal, Kate V.); Harvie, BA (Harvie, Barbra A.): Mixed planting with a leguminous plant outperforms bacteria in promoting growth of a metal remediating plant through histidine synthesis. In: INTERNATIONAL JOURNAL OF PHYTOREMEDIATION Volume: 18 Issue: 7 Pages: 720-729, WOS
3. [1.1] Ahmad, R (Ahmad, Rashid); Waraich, EA (Ahmad Waraich, Ejaz); Nawaz, F (Nawaz, Fahim); Ashraf, MY (Ashraf, Muhammad Y.); Khalid, M (Khalid, Muhammad): Selenium (Se) improves drought tolerance in crop plants - a myth or fact? In: JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE Volume: 96 Issue: 2 Pages: 372-380, WOS
4. [1.1] AlMaali, GA (AlMaali, G. A.); Bisko, NA (Bisko, N. A.); Ostapchuk, AM (Ostapchuk, A. M.): The effect of citrate and sulfate of different metals on carbohydrates composition of medicinal mushroom Trametes versicolor (Polyporales, Polyporaceae. In. VISNYK OF DNIPROPETROVSK UNIVERSITY-BIOLOGY MEDICINE Volume: 7 Issue: 1 Pages: 32-36, WOS
5. [1.1] Alves, Leticia Rodrigues; dos Reis, Andre Rodrigues; Gratao, Priscila Lupino: Heavy metals in agricultural soils: from plants to our daily life(a review). In: Cientifica (Jaboticabal) Volume: 44 Issue: 3 Pages: 346-361, WOS
6. [1.1] Arenas-Lago, D (Arenas-Lago, Daniel); Carvalho, LC (Carvalho, Luisa C.); Santos, ES (Santos, Erika S.); Abreu, MM (Manuela Abreu, M.): The physiological mechanisms underlying the ability of Cistus monspeliensis L. from Sao Domingos mine to withstand high Zn concentrations in soils. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 129 Pages: 219-227, WOS
7. [1.1] Ariani, A (Ariani, Andrea); Romeo, S (Romeo, Stefania); Groover, AT (Groover, Andrew T.); Sebastiani, L (Sebastiani, Luca): Comparative epigenomic and transcriptomic analysis of Populus roots under excess Zn. In: ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 132 Pages: 16-27, WOS
8. [1.1] Azevedo, H (Azevedo, Herlander); Azinheiro, SG (Azinheiro, Sarah Gaspar); Munoz-Merida, A (Munoz-Merida, Antonio); Castro, PH (Castro, Pedro Humberto); Huettel, B (Huettel, Bruno); Aarts, MGM (Aarts, Mark G. M.); Assuncao, AGL (Assuncao, Ana G. L.): Transcriptomic profiling of Arabidopsis gene expression in response to varying micronutrient zinc supply. In: GENOMICS DATA Volume: 7 Pages: 256-258, WOS
9. [1.1] Bashir, K (Bashir, Khurram); Rasheed, S (Rasheed, Sultana); Kobayashi, T (Kobayashi, Takanori); Seki, M (Seki, Motoaki); Nishizawa, NK (Nishizawa, Naoko K.): Regulating Subcellular Metal Homeostasis: The Key to Crop Improvement. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1192, WOS

10. [1.1] Benyo, D (Benyo, Daniel); Horvath, E (Horvath, Edit); Nemeth, E (Nemeth, Edit); Leviczky, T (Leviczky, Tuende); Takacs, K (Takacs, Kinga); Lehotai, N (Lehotai, Nora); Feigl, G (Feigl, Gabor); Kolbert, Z (Kolbert, Zsuzsanna); Ordog, A (Oerdoeg, Attila); Galle, R (Galle, Robert); Csiszar, J (Csiszar, Jolan); Szabados, L (Szabados, Laszlo); Erdei, L (Erdei, Laszlo); Galle, A (Galle, Agnes): Physiological and molecular responses to heavy metal stresses suggest different detoxification mechanism of Populus deltoides and P-x canadensis. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 201 Pages: 62-70, WOS
11. [1.1] Bermanec, V (Bermanec, Vladimir); Vidakovic-Cifrek, Z (Vidakovic-Cifrek, Zeljka); Fiket, Z (Fiket, Zeljka); Tkalec, M (Tkalec, Mirta); Kampic, S (Kampic, Stefica); Kniewald, G (Kniewald, Goran): Influence of digested wastewater sludge on early growth of the perennial ryegrass (Lolium perenne L.). In: ENVIRONMENTAL EARTH SCIENCES Volume: 75 Issue: 1 Article Number: 32, WOS
12. [1.1] Bernardy, K.; Farias, J. G.; Dorneles, A. O. S.; Pereira, A. S.; Schorr, M. R. W.; Thewes, F. R.; Londero, J. E. L.; Nicoloso, F. T.: Changes in root morphology and dry matter production in Pfaffia glomerata (Spreng.) Pedersen accessions in response to excessive zinc. In: Revista Brasileira de Plantas Medicinais Volume: 18 Issue: 2, Suppl. 1 Pages: 613-620, WOS
13. [1.1] Bhattacharya, PT (Bhattacharya, Preeti Tomar); Misra, SR (Misra, Satya Ranjan); Hussain, M (Hussain, Mohsina):Nutritional Aspects of Essential Trace Elements in Oral Health and Disease: An Extensive Review. In: SCIENTIFICA Article Number: 5464373, WOS
14. [1.1] Checovich, ML (Checovich, Mariana L.); Galatro, A (Galatro, Andrea); Moriconi, JI (Moriconi, Jorge I.); Simontacchi, M (Simontacchi, Marcela); Dubcovsky, J (Dubcovsky, Jorge); Santa-Maria, GE (Santa-Maria, Guillermo E.): The stay-green phenotype of TaNAM-RNAi wheat plants is associated with maintenance of chloroplast structure and high enzymatic antioxidant activity. In: PLANT PHYSIOLOGY AND BIOCHEMISTRY Volume: 104 Pages: 257-265, WOS
15. [1.1] Cojocaru, P (Cojocaru, Paula); Gusiatin, ZM (Gusiatin, Zygmunt Mariusz); Cretescu, I (Cretescu, Igor):Phytoextraction of Cd and Zn as single or mixed pollutants from soil by rape (Brassica napus). In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 11 Pages: 10693-10701, WOS
16. [1.1] Dade, J (Dade, Jessica); DuBois, JC (DuBois, Juwen C.); Pasula, R (Pasula, Rajamouli); Donnell, AM (Donnell, Anna M.); Caruso, JA (Caruso, Joseph A.); Smulian, AG (Smulian, A. George); Deepe, GS (Deepe, George S., Jr.): HcZrt2, a zinc responsive gene, is indispensable for the survival of Histoplasma capsulatum in vivo. In: MEDICAL MYCOLOGY Volume: 54 Issue: 8 Pages: 865-875, WOS
17. [1.1] De Souza, BP (De Souza, Bruna Pereira); Silva, ED (Silva, Enilson De Barros); Da Cruz, MDM (Monteiro Da Cruz, Maria Do Ceu); Amorim, EP (Amorim, Edson Perito); Donato, SLR (Rodrigues Donato, Sergio Luiz): MICRONUTRIENTS DEFICIENCY ON THE NUTRITIONAL STATUS OF BANANA PRATA SEEDLINGS. In: REVISTA BRASILEIRA DE FRUTICULTURA Volume: 38 Issue: 3 Article Number: UNSP e-884, WOS
18. [1.1] Esfandiari, Ezatollah; Abdoli, Majid; Mousavi, Seyed-Bahman; Sadeghzadeh, Behzad: Impact of foliar zinc application on agronomic traits and grain quality parameters of wheat grown in zinc deficient soil. In: Indian Journal of Plant Physiology Volume: 21 Issue: 3 Pages: 263-270, WOS
19. [1.1] Esperschuetz, J (Esperschuetz, J.); Anderson, C (Anderson, C.); Bulman, S (Bulman, S.); Lense, O (Lense, O.); Horswell, J (Horswell, J.); Dickinson, N (Dickinson, N.); Hofmann, R (Hofmann, R.); Robinson, BH (Robinson, B. H.): Production of Biomass Crops Using Biowastes on Low-Fertility Soil: 1. Influence of Biowastes on Plant and Soil Quality. In: JOURNAL OF ENVIRONMENTAL QUALITY Volume: 45 Issue: 6 Pages: 1960-1969, WOS
20. [1.1] Feigl, G (Feigl, Gabor); Kolbert, Z (Kolbert, Zsuzsanna); Lehotai, N (Lehotai, Nora); Molnar, A (Molnar, Arpad); Ordog, A (Oerdoeg, Attila); Borde, A (Borde, Adam); Laskay, G (Laskay, Gabor); Erdei, L (Erdei, Laszlo): Different zinc sensitivity of Brassica organs is accompanied by distinct responses in protein nitration level and pattern. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 125 Pages: 141-152, WOS
21. [1.1] Gandhi, A (Gandhi, A.); Muralidharan, G (Muralidharan, G.): Assessment of zinc solubilizing potentiality of Acinetobacter sp isolated from rice rhizosphere. In: EUROPEAN JOURNAL OF SOIL BIOLOGY Volume: 76 Pages: 1-8, WOS
22. [1.1] Glinska, S (Glinska, Slawa); Gapinska, M (Gapinska, Magdalena); Michlewska, S (Michlewska, Sylwia); Skiba, E (Skiba, Elzbieta); Kubicki, J (Kubicki, Jakub): Analysis of Triticum aestivum seedling response to the excess of zinc. In. PROTOPLASMA Volume: 253 Issue: 2 Pages: 367-377, WOS
23. [1.1] Gramss, G (Gramss, Gerhard); Voigt, KD (Voigt, Klaus-Dieter): Stability of the Inherent Target Metallome in Seed Crops and a Mushroom Grown on Soils of Extreme Mineral Spans. In: AGRONOMY-BASEL Volume: 6 Issue: 1 Article Number: 14, WOS
24. [1.1] Guo, JX (Guo, J. X.); Feng, XM (Feng, X. M.); Hu, XY (Hu, X. Y.); Tian, GL (Tian, G.

L.); Ling, N (Ling, N.); Wang, JH (Wang, J. H.); Shen, QR (Shen, Q. R.); Guo, SW (Guo, S. W.): Effects of soil zinc availability, nitrogen fertilizer rate and zinc fertilizer application method on zinc biofortification of rice. In: JOURNAL OF AGRICULTURAL SCIENCE Volume: 154 Issue: 4 Pages: 584-597, WOS
25. [1.1] Gupta, N (Gupta, Neha); Ram, H (Ram, Hari); Kumar, B (Kumar, Balwinder): Mechanism of Zinc absorption in plants: uptake, transport, translocation and accumulation. In: REVIEWS IN ENVIRONMENTAL SCIENCE AND BIO-TECHNOLOGY Volume: 15 Issue: 1 Pages: 89-109, WOS
26. [1.1] Imran, M (Imran, Muhammad); Rehim, A (Rehim, Abdur); Sarwar, N (Sarwar, Nadeem); Hussain, S (Hussain, Saddam): Zinc bioavailability in maize grains in response of phosphorous-zinc interaction. In: JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE Volume: 179 Issue: 1 Pages: 60-66, WOS
27. [1.1] Kabir, AH (Kabir, Ahmad Humayan); Paltridge, N (Paltridge, Nick); Stangoulis, J (Stangoulis, James): Chlorosis correction and agronomic biofortification in field peas through foliar application of iron fertilizers under Fe deficiency. In: JOURNAL OF PLANT INTERACTIONS Volume: 11 Issue: 1 Pages: 1-4, WOS
28. [1.1] Kalboush, ZA (Kalboush, Zeinab A.); Hassan, AA (Hassan, A. A.); Gabr, WE (Gabr, W. E.): Control of Rice Blast and Brown Spot Diseases by Synthesized Zinc Oxide . In: EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL Volume: 26 Issue: 4 Pages: 713-720, WOS
29. [1.1] Kaya, C (Kaya, Cengiz): Nitric oxide improves high zinc tolerance in maize plants. In:JOURNAL OF PLANT NUTRITION Volume: 39 Issue: 14 Pages: 2072-2078, WOS
30. [1.1] Kuhnlenz, T (Kuehnlenz, Tanja); Hofmann, C (Hofmann, Christian); Uraguchi, S (Uraguchi, Shimpei); Schmidt, H (Schmidt, Holger); Schempp, S (Schempp, Stefanie); Weber, M (Weber, Michael); Lahner, B (Lahner, Brett); Salt, DE (Salt, David E.); Clemens, S (Clemens, Stephan): : Phytochelatin Synthesis Promotes Leaf Zn Accumulation of Arabidopsis thaliana Plants Grown in Soil with Adequate Zn Supply and is Essential for Survival on Zn-Contaminated Soil. In: PLANT AND CELL PHYSIOLOGY Volume: 57 Issue: 11 Pages: 2342-2352, WOS
31. [1.1] Kumar, M (Kumar, Manoj); Jha, AK (Jha, A. K.); Hazarika, S (Hazarika, S.); Verma, BC (Verma, B. C.); Choudhury, BU (Choudhury, B. U.); Ramesh, T (Ramesh, T.); Moirangthem, P (Moirangthem, P.); Kumar, R (Kumar, R.); Brajendra (Brajendra); Rajkhowa, DJ (Rajkhowa, D. J.); Kumar, A (Kumar, A.); Devi, MH (Devi, M. H.): Micronutrients (B, Zn, Mo) for Improving Crop Production on Acidic Soils of Northeast India. In: NATIONAL ACADEMY SCIENCE LETTERS-INDIA Volume: 39 Issue: 2 Pages: 85-89, WOS
32. [1.1] Kwapisz, J (Kwapisz, Joanna); Gworek, B (Gworek, Barbara); Graniewska, M (Graniewska, Magdalena): Zinc accumulation and mobility in the soils of the Upper Silesian Industrial District. In: PRZEMYSL CHEMICZNY Volume: 95 Issue: 3 Pages: 491-496, WOS
33. [1.1] Laurent, C (Laurent, Clementine); Lekeux, G (Lekeux, Gilles); Ukuwela, AA (Ukuwela, Ashwinie A.); Xiao, ZG (Xiao, Zhiguang); Charlier, JB (Charlier, Jean-Benoit); Bosman, B (Bosman, Bernard); Carnol, M (Carnol, Monique); Motte, P (Motte, Patrick); Damblon, C (Damblon, Christian); Galleni, M (Galleni, Moreno); Hanikenne, M (Hanikenne, Marc): Metal binding to the N-terminal cytoplasmic domain of the P-IB ATPase HMA4 is required for metal transport in Arabidopsis. In: PLANT MOLECULAR BIOLOGY Volume: 90 Issue: 4-5 Pages: 453-466, WOS
34. [1.1] Levizou, E (Levizou, Efi); Antoniadis, V (Antoniadis, Vasileios); Papatheodorou, S (Papatheodorou, Sophia): Without exceeding the limits: industrial soil rich in Zn and Cd has no effect on purslane and lettuce but promotes geranium growth. In: ENVIRONMENTAL EARTH SCIENCES Volume: 75 Issue: 18 Article Number: 1256, WOS
35. [1.1] Li, P (Li, Peng); Du, YM (Du, Yumei); Huang, LB (Huang, Longbin); Mitter, N (Mitter, Neena); Xu, ZP (Xu, Zhi Ping): Nanotechnology promotes the R&D of new-generation micronutrient foliar fertilizers. In: RSC ADVANCES Volume: 6 Issue: 73 Pages: 69465-69478, WOS
36. [1.1] Li, SZ (Li, Suzhen); Zhou, XJ (Zhou, Xiaojin); Zhao, YF (Zhao, Yongfeng); Li, HB (Li, Hongbo); Liu, YF (Liu, Yuanfeng); Zhu, LY (Zhu, Liying); Guo, JJ (Guo, Jinjie); Huang, YQ (Huang, Yaqun); Yang, WZ (Yang, Wenzhu); Fan, YL (Fan, Yunliu); Chen, JT (Chen, Jingtang); Chen, RM (Chen, Rumei): Constitutive expression of the ZmZIP7 in Arabidopsis alters metal homeostasis and increases Fe and Zn content. In: PLANT PHYSIOLOGY AND BIOCHEMISTRY Volume: 106 Pages: 1-10, WOS
37. [1.1] Li, Z (Li, Zhi); Fan, YC (Fan, Yanchun); Gao, L (Gao, Lei); Cao, X (Cao, Xiu); Ye, JL (Ye, Junli); Li, GH (Li, Guohuai): The Dual Roles of Zinc Sulfate in Mitigating Peach Gummosis. In: PLANT DISEASE Volume: 100 Issue: 2 Pages: 345-351, WOS
38. [1.1] Liu, X (Liu, Xiang); Chen, J (Chen, Juan); Wang, GH (Wang, Guang-Hui); Wang, WH (Wang, Wen-Hua); Shen, ZJ (Shen, Zhi-Jun); Luo, MR (Luo, Mei-Rong); Gao, GF (Gao, Gui-Feng); Simon, M (Simon, Martin); Ghoto, K (Ghoto, Kabir); Zheng, HL (Zheng, Hai-Lei):

Hydrogen sulfide alleviates zinc toxicity by reducing zinc uptake and regulating genes expression of antioxidative enzymes and metallothioneins in roots of the cadmium/zinc hyperaccumulator Solanum nigrum L. In: PLANT AND SOIL Volume: 400 Issue: 1-2 Pages: 177-192, WOS
39. [1.1] Lopes, CA (Lopes Junior, Cicero Alves); Oliveira, SR (Oliveira, Silvana Ruella); Mazzafera, P (Mazzafera, Paulo); Arruda, MAZ (Zezzi Arruda, Marco Aurelio):Expanding the information about the influence of cadmium on the metabolism of sunflowers: Evaluation of total, bioavailable, and bioaccessible content and metallobiomolecules in sunflower seeds. In. ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 125 Pages: 87-97, WOS
40. [1.1] Lugli, F (Lugli, Francesco); Mahler, CF (Mahler, Claudio Fernando): A soil-plant model applied to phytoremediation of metals. In: INTERNATIONAL JOURNAL OF PHYTOREMEDIATION Volume: 18 Issue: 4 Pages: 295-307, WOS
41. [1.1] Luo, ZB (Luo, Zhi-Bin); He, JL (He, Jiali); Polle, A (Polle, Andrea); Rennenberg, H (Rennenberg, Heinz): Heavy metal accumulation and signal transduction in herbaceous and woody plants: Paving the way for enhancing phytoremediation efficiency. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 6 Pages: 1131-1148, WOS
42. [1.1] Manwaring, HR (Manwaring, Hanna R.); Bligh, HFJ (Bligh, H. F. J.); Yadav, R (Yadav, Rattan): The Challenges and Opportunities Associated with Biofortification of Pearl Millet (Pennisetum glaucum) with Elevated Levels of Grain Iron and Zinc. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1944, WOS
43. [1.1] Marchand, C (Marchand, C.); Fernandez, JM (Fernandez, J. -M.); Moreton, B (Moreton, B.): Trace metal geochemistry in mangrove sediments and their transfer to mangrove plants (New Caledonia). In: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 562 Pages: 216-227, WOS
44. [1.1] Mohamed, HI (Mohamed, Heba I.); Elsherbiny, EA (Elsherbiny, Esraa A.); Abdelhamid, MT (Abdelhamid, Magdi T.): Physiological and Biochemical Responses of Vicia Faba Plants to Foliar Application of Zinc and Iron.In: GESUNDE PFLANZEN Volume: 68 Issue: 4 Pages: 201-212, WOS
45. [1.1] Montalban, B (Montalban, Blanca); Croes, S (Croes, Sarah); Weyens, N (Weyens, Nele); Lobo, MC (Carmen Lobo, Ma); Perez-Sanz, A (Perez-Sanz, Araceli); Vangronsveld, J (Vangronsveld, Jaco): Characterization of bacterial communities associated with Brassica napus L. growing on a Zn-contaminated soil and their effects on root growth. In: INTERNATIONAL JOURNAL OF PHYTOREMEDIATION Volume: 18 Issue: 10 Pages: 985-993, WOS
46. [1.1] Moreira, H (Moreira, Helena); Pereira, SIA (Pereira, Sofia I. A.); Marques, APGC (Marques, Ana P. G. C.); Rangel, AOSS (Rangel, Antnio O. S. S.); Castro, PML (Castro, Paula M. L.): Mine land valorization through energy maize production enhanced by the application of plant growth-promoting rhizobacteria and arbuscular mycorrhizal fungi. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 7 Pages: 6940-6950, WOS
47. [1.1] Mori, A (Mori, Asako); Kirk, GJD (Kirk, Guy J. D.); Lee, JS (Lee, Jae-Sung); Morete, MJ (Morete, Mark J.); Nanda, AK (Nanda, Amrit K.); Johnson-Beebout, SE (Johnson-Beebout, Sarah E.); Wissuwa, M (Wissuwa, Matthias): Rice Genotype Differences in Tolerance of Zinc-Deficient Soils: Evidence for the Importance of Root-Induced Changes in the Rhizosphere. In: FRONTIERS IN PLANT SCIENCE Volume: 6 Article Number: 1160, WOS
48. [1.1] Morina, F (Morina, Filis); Jovanovic, L (Jovanovic, Ljubinko); Prokic, L (Prokic, Ljiljana); Veljovic-Jovanovic, S (Veljovic-Jovanovic, Sonja). In: Physiological basis of differential zinc and copper tolerance of Verbascum populations from metal-contaminated and uncontaminated areas. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 10 Pages: 10005-10020, WOS
49. [1.1] Mukherjee, A (Mukherjee, Arnab); Sun, YP (Sun, Youping); Morelius, E (Morelius, Erving); Tamez, C (Tamez, Carlos); Bandyopadhyay, S (Bandyopadhyay, Susmita); Niu, GH (Niu, Genhua); White, JC (White, Jason C.); Peralta-Videa, JR (Peralta-Videa, Jose R.); Gardea-Torresdey, JL (Gardea-Torresdey, Jorge L.): Differential Toxicity of Bare and Hybrid ZnO Nanoparticles in Green Pea (Pisum sativum L.): A Life Cycle Study. In: FRONTIERS IN PLANT SCIENCE Volume: 6 Article Number: 1242, WOS
50. [1.1] Musilova, J (Musilova, Janette); Bystricka, J (Bystricka, Judita); Lachman, J (Lachman, Jaromir); Harangozo, L (Harangozo, Lubos); Trebichalsky, P (Trebichalsky, Pavol); Volnova, B (Volnova, Beata): Potatoes - A crop resistant against input of heavy metals from the metallicaly contaminated soil. In: INTERNATIONAL JOURNAL OF PHYTOREMEDIATION Volume: 18 Issue: 6 Pages: 547-552, WOS
51. [1.1] Nasir, M (Nasir, Maryam); Khan, AS (Khan, Ahmad Sattar); Basra, SMA (Basra, S. M. Ahmad); Malik, AU (Malik, Aman Ullah): Foliar application of moringa leaf extract, potassium and zinc influence yield and fruit quality of 'Kinnow' mandarin. In: SCIENTIA HORTICULTURAE Volume: 210 Pages: 227-235, WOS
52. [1.1] Ng, KS (Ng, Kok Siew); Head, I (Head, Ian); Premier, GC (Premier, Giuliano C.); Scott,

K (Scott, Keith); Yu, E (Yu, Eileen); Lloyd, J (Lloyd, Jon); Sadhukhan, J (Sadhukhan, Jhuma): A multilevel sustainability analysis of zinc recovery from wastes. In: RESOURCES CONSERVATION AND RECYCLING Volume: 113 Pages: 88-105, WOS

53. [1.1] Ong, GH (Ong, Ghim Hock); Wong, LS (Wong, Ling Shing); Tan, AL (Tan, Ai Li); Yap, CK (Yap, Chee Kong): Effects of metal-contaminated soils on the accumulation of heavy metals in gotu kola (Centella asiatica) and the potential health risks: a study in Peninsular Malaysia. In: ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 188 Issue: 1 Article Number: 40, WOS

54. [1.1] Padash, A (Padash, Akbar); Shahabivand, S (Shahabivand, Saleh); Behtash, F (Behtash, Farhad); Aghaee, A (Aghaee, Ahmad): A practicable method for zinc enrichment in lettuce leaves by the endophyte fungus Piriformospora indica under increasing zinc supply. In: SCIENTIA HORTICULTURAE Volume: 213 Pages: 367-372, WOS

55. [1.1] Pavithra, G. J.; Mahesh, S.; Parvathi, M. S.; Basavarajeshwari, R. M.; Nataraja, K. N.; Shankar, A. G.: Comparative growth responses and transcript profiling of zinc transporters in two tomato varieties under different zinc treatments. In. Indian Journal of Plant Physiology Volume: 21 Issue: 2 Pages: 208-212, WOS

56. [1.1] Persson, DP (Persson, Daniel Pergament); de Bang, TC (de Bang, Thomas C.); Pedas, PR (Pedas, Pai R.); Kutman, UB (Kutman, Umit Baris); Cakmak, I (Cakmak, Ismail); Andersen, B (Andersen, Birgit); Finnie, C (Finnie, Christine); Schjoerring, JK (Schjoerring, Jan K.); Husted, S (Husted, Soren): Molecular speciation and tissue compartmentation of zinc in durum wheat grains with contrasting nutritional status. In: NEW PHYTOLOGIST Volume: 211 Issue: 4 Pages: 1255-1265, WOS

57. [1.1] Prakash, MG (Prakash, Meppaloor G.); Chung, IM (Chung, Ill Min): DETERMINATION OF ZINC OXIDE NANOPARTICLES TOXICITY IN ROOT GROWTH IN WHEAT (TRITICUM AESTIVUM L.) SEEDLINGS. In: ACTA BIOLOGICA HUNGARICA Volume: 67 Issue: 3 Pages: 286-296, WOS

58. [1.1] Raish, M (Raish, Mohammad); Ahmad, A (Ahmad, Ajaz); Alkharfy, KM (Alkharfy, Khalid M.); Al-Jenoobi, FI (Al-Jenoobi, Fahad I.); Al-Mohizea, AM (Al-Mohizea, Abdullah M.); Mohsin, K (Mohsin, Kazi); Ahamad, SR (Ahamad, Syed Rizwan); Ali, N (Ali, Naushad); Shakeel, F (Shakeel, Faiyaz): Antioxidant Potential and In Situ Analysis of Major and Trace Element Determination of Ood-saleeb, a Known Unani Herbal Medicine by ICP-MS. In: : BIOLOGICAL TRACE ELEMENT RESEARCH Volume: 172 Issue: 2 Pages: 521-527, WOS

59. [1.1] Raliya, R (Raliya, Ramesh); Tarafdar, JC (Tarafdar, Jagadish Chandra); Biswas, P (Biswas, Pratim): Enhancing the Mobilization of Native Phosphorus in the Mung Bean Rhizosphere Using ZnO Nanoparticles Synthesized by Soil Fungi. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 16 Pages: 3111-3118, WOS

60. [1.1] Ram, H (Ram, H.); Rashid, A (Rashid, A.); Zhang, W (Zhang, W.); Duarte, AP (Duarte, A. P.); Phattarakul, N (Phattarakul, N.); Simunji, S (Simunji, S.); Kalayci, M (Kalayci, M.); Freitas, R (Freitas, R.); Rerkasem, B (Rerkasem, B.); Bal, RS (Bal, R. S.); Mahmood, K (Mahmood, K.); Savasli, E (Savasli, E.); Lungu, O (Lungu, O.); Wang, ZH (Wang, Z. H.); de Barros, VLNP (de Barros, V. L. N. P.); Malik, SS (Malik, S. S.); Arisoy, RZ (Arisoy, R. Z.); Guo, JX (Guo, J. X.); Sohu, VS (Sohu, V. S.); Zou, CQ (Zou, C. Q.); Cakmak, I (Cakmak, I.): Biofortification of wheat, rice and common bean by applying foliar zinc fertilizer along with pesticides in seven countries. In: PLANT AND SOIL Volume: 403 Issue: 1-2 Pages: 389-401, WOS

61. [1.1] Reich, M (Reich, Martin); Shahbaz, M (Shahbaz, Muhammad); Prajapati, DH (Prajapati, Dharmendra H.); Parmar, S (Parmar, Saroj); Hawkesford, MJ (Hawkesford, Malcolm J.); De Kok, LJ (De Kok, Luit J.): Interactions of Sulfate with Other Nutrients As Revealed by H2S Fumigation of Chinese Cabbage. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 541, WOS

62. [1.1] Repka, V (Repka, Vladimir); Fiala, R (Fiala, Roderik); Ciamporova, M (Ciamporova, Milada); Pavlovkin, J (Pavlovkin, Jan): Effects of ZnCl2 on ROS generation, plasma membrane properties, and changes in protein expression in grapevine root explants. In: BIOLOGIA Volume: 71 Issue: 5 Pages: 528-537, WOS

63. [1.1] Ribeiro, MAQ (Ribeiro, Miguel A. Q.); de Almeida, AAF (de Almeida, Alex-Alan F.); Alves, TFO (Alves, Taina F. O.); Gramacho, KP (Gramacho, Karina P.); Pirovani, CP (Pirovani, Carlos P.); Valle, RR (Valle, Raul R.): Rootstock x scion interactions on Theobroma cacao resistance to witches' broom: photosynthetic, nutritional and antioxidant metabolism responses. In: ACTA PHYSIOLOGIAE PLANTARUM Volume: 38 Issue: 3, WOS

64. [1.1] Rouphael, Y (Rouphael, Youssef); Colla, G (Colla, Giuseppe); Bernardo, L (Bernardo, Letizia); Kane, D (Kane, David); Trevisan, M (Trevisan, Marco); Lucini, L (Lucini, Luigi): Zinc Excess Triggered Polyamines Accumulation in Lettuce Root Metabolome, As Compared to Osmotic Stress under High Salinity. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article

Number: 842, WOS
65. [1.1] Rucinska-Sobkowiak, R (Rucinska-Sobkowiak, Renata): Water relations in plants subjected to heavy metal stresses. In: ACTA PHYSIOLOGIAE PLANTARUM Volume: 38 Issue: 11, WOS
66. [1.1] Saenchai, C (Saenchai, Chorpet); Prom-U-Thai, C (Prom-u-thai, Chanakan); Lordkaew, S (Lordkaew, Sittichai); Rouached, H (Rouached, Hatem); Rerkasem, B (Rerkasem, Benjavan): Distribution of iron and zinc in plant and grain of different rice genotypes grown under aerobic and wetland conditions. In: JOURNAL OF CEREAL SCIENCE Volume: 71 Pages: 108-115, WOS
67. [1.1] Schreiner, RP (Schreiner, R. Paul): Nutrient Uptake and Distribution in Young Pinot noir Grapevines over Two Seasons. In: AMERICAN JOURNAL OF ENOLOGY AND VITICULTURE Volume: 67 Issue: 4 Pages: 436-448, WOS
68. [1.1] Shi, X (Shi, Xiang); Sun, HJ (Sun, Haijing); Chen, YT (Chen, Yitai); Pan, HW (Pan, Hongwei); Wang, SF (Wang, Shufeng): Transcriptome Sequencing and Expression Analysis of Cadmium (Cd) Transport and Detoxification Related Genes in Cd-Accumulating Salix integra. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1577, WOS
69. [1.1] Siddiqui, SN (Siddiqui, Shadab Naseer); Umar, S (Umar, Shahid); Aref, IM (Aref, Ibrahim M.); Iqbal, M (Iqbal, Muhammad): Growth and Yield Patterns of Chickpea Genotypes Differing in Zinc-accumulating Capacity. In: INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY Volume: 18 Issue: 5 Pages: 1004-1010, WOS
70. [1.1] Silva, EB (Silva, E. B.); Alleoni, LRF (Alleoni, L. R. F.); Santos, SR (Santos, S. R.); Magalhaes, SC (Magalhaes, S. C.); Farnezi, MMM (Farnezi, M. M. M.): Response of Physic Nut Trees to Liming of Acidic Soils. In: COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS Volume: 47 Issue: 8 Pages: 1023-1032, WOS
71. [1.1] Strachel, R (Strachel, Rafal); Zaborowska, M (Zaborowska, Magdalena); Wyszkowska, J (Wyszkowska, Jadwiga): DELIBERATIONS ON ZINC - A TRACE MINERAL OR A TOXIC ELEMENT?. In: JOURNAL OF ELEMENTOLOGY Volume: 21 Issue: 2 Pages: 625-639, WOS
72. [1.1] Tang, L (Tang, Lu); Yao, AJ (Yao, Aijun); Yuan, M (Yuan, Ming); Tang, YT (Tang, Yetao); Liu, J (Liu, Jian); Liu, X (Liu, Xi); Qiu, RL (Qiu, Rongliang): Transcriptional up-regulation of genes involved in photosynthesis of the Zn/Cd hyperaccumulator Sedum alfredii in response to zinc and cadmium. In: CHEMOSPHERE Volume: 164 Pages: 190-200, WOS
73. [1.1] Tang, YT (Tang, Ye-Tao); Cloquet, C (Cloquet, Christophe); Deng, THB (Deng, Teng-Hao-Bo); Sterckeman, T (Sterckeman, Thibault); Echevarria, G (Echevarria, Guillaume); Yang, WJ (Yang, Wen-Jun); Morel, JL (Morel, Jean-Louis); Qiu, RL (Qiu, Rong-Liang): Zinc Isotope Fractionation in the Hyperaccumulator Noccaea caerulescens and the Nonaccumulating Plant Thlaspi arvense at Low and High Zn Supply. In: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 50 Issue: 15 Pages: 8020-8027, WOS
74. [1.1] Vidya, B (Vidya, Balasubramanian); Sivaraman, G (Sivaraman, Gandhi); Sumesh, RV (Sumesh, Remani Vasudevan); Chellappa, D (Chellappa, Duraisamy): Fluorescein-Based "Turn On" Fluorescence Detection of Zn2+ and Its Applications in Imaging of Zn2+ in Apoptotic Cells. In: CHEMISTRYSELECT Volume: 1 Issue: 13 Pages: 4024-4029, WOS
75. [1.1] Wang, Y (Wang, Yi); Wang, XL (Wang, Xiaolu); Wang, C (Wang, Chao); Wang, RJ (Wang, Ruijiao); Peng, F (Peng, Fan); Xiao, X (Xiao, Xue); Zeng, J (Zeng, Jian); Fan, X (Fan, Xing); Kang, HY (Kang, Houyang); Sha, LN (Sha, Lina); Zhang, HQ (Zhang, Haiqin); Zhou, YH (Zhou, Yonghong): Proteomic Profiling of the Interactions of Cd/Zn in the Roots of Dwarf Polish Wheat (Triticum polonicum L.). In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1378, WOS
76. [1.1] Xing, F (Xing Fei); Fu, XZ (Fu Xing-zheng); Wang, NQ (Wang Nan-qi); Xi, JL (Xi Jian-long); Huang, Y (Huang Yi); Zhou, W (Zhou Wei); Ling, LL (Ling Li-li); Peng, LZ (Peng Liang-zhi): Physiological changes and expression characteristics of ZIP family genes under zinc deficiency in navel orange (Citrus sinensis). In: JOURNAL OF INTEGRATIVE AGRICULTURE Volume: 15 Issue: 4 Pages: 803-811, WOS
77. [1.1] Xu, W (Xu, Wei); Hao, MH (Hao, Minhui); Wang, J (Wang, Juan); Zhang, CY (Zhang, Chunyu); Zhao, XH (Zhao, Xiuhai); von Gadow, K (von Gadow, Klaus): Soil Elements Influencing Community Structure in an Old-Growth Forest in Northeastern China. In: FORESTS Volume: 7 Issue: 8 Article Number: 159, WOS
78. [1.1] Yadav, S (Yadav, Shivam); Prajapati, R (Prajapati, Rajesh); Atri, N (Atri, Neelam): UV-B-Heavy Metal Interaction: Comparative Evaluation on Photosynthetic Properties of Three Cyanobacteria. In: CURRENT MICROBIOLOGY Volume: 73 Issue: 5 Pages: 739-746, WOS
79. [1.1] Yamunarani, R (Yamunarani, Ramegowda); Ramegowda, V (Ramegowda, Venkategowda); Geetha, G (Geetha, Govind); Jalendrakumar, HG (Jalendrakumar, Hagadur Gopal); Udayakumar, M (Udayakumar, Makarla); Shankar, AG (Shankar, Ambarahalli Guligowda): Effect of Zn application on its uptake, distribution and concentration of Fe and Cu in

finger millet [Eleusine coracana (L.) Gaertn.]. In: JOURNAL OF PLANT NUTRITION Volume: 39 Issue: 4 Pages: 569-580, WOS
80. [1.1] Zhang, Y (Zhang, Yong); Yan, YJ (Yan, Yujing); Fu, CX (Fu, Chunxia); Li, M (Li, Ming); Wang, YA (Wang, Yan'an): Zinc sulfate spray increases activity of carbohydrate metabolic enzymes and regulates endogenous hormone levels in apple fruit. In: SCIENTIA HORTICULTURAE Volume: 211 Pages: 363-368, WOS
81. [1.1] Zhao, N (Zhao, Ning); Yu, GR (Yu, Guirui); He, NP (He, Nianpeng); Wang, QF (Wang, Qiufeng); Guo, DL (Guo, Dali); Zhang, XY (Zhang, Xinyu); Wang, RL (Wang, Ruili); Xu, ZW (Xu, Zhiwei); Jiao, CC (Jiao, Cuicui); Li, NN (Li, Nani); Jia, YL (Jia, Yanlong): Coordinated pattern of multi-element variability in leaves and roots across Chinese forest biomes. In: GLOBAL ECOLOGY AND BIOGEOGRAPHY Volume: 25 Issue: 3 Pages: 359-367, WOS
82. [1.1] Zheng, HQ (Zheng, Haoquan); Zhang, YN (Zhang, Yuning); Liu, LF (Liu, Leifeng); Wan, W (Wan, Wei); Guo, P (Guo, Peng); Nystrom, AM (Nystrom, Andreas M.); Zou, XD (Zou, Xiaodong): One-pot Synthesis of Metal Organic Frameworks with Encapsulated Target Molecules and Their Applications for Controlled Drug Delivery. In: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 138 Issue: 3 Pages: 962-968, WOS
83. [1.2] Atabayeva, S. (2016). Heavy metals accumulation ability of wild grass species from industrial areas of kazakhstan. In Phytoremediation: Management of environmental contaminants (Springer International Publishing, Volume 3, chapter 6, pp. 157-208), SCOPUS
84. [1.2] Basu, P. S. (2016). Physiological processes toward movement of micronutrients from soil to seeds in biofortification perspectives. In Biofortification of food crops (Springer, chapter 23, pp. 317-329), SCOPUS
85. [1.2] Capriles, J. M., Albarracin-Jordan, J., Lombardo, U., Osorio, D., Maley, B., Goldstein, S. T., Herrera, K. A., Glascock, M. D., Domic, A. I., Veit, H., Santoro, C. M. (2016). High-altitude adaptation and late pleistocene foraging in the bolivian andes. Journal of Archaeological Science: Reports, 6, 463-474, SCOPUS
86. [1.2] Ibrahim, S. M. M., Hashish, K. I., Lobna, L. S., Mazher, A. A. M., & Kandil, M. M. (2016). In vitroculture protocol, micropropagation, acclimatization and chemical constituents of spathiphyllum cannifolium plant under copper concentration effect. International Journal of PharmTech Research, 33-41, SCOPUS
87. [1.2] Klepeckas, M., & Januškaitienė, I. (2016). The effect of various sapropel concentrations on content and fluorescence of photosynthetic pigments of bean. [Skirtingų sapropelio koncentracijų poveikis pupelių fotosintezės pigmentų kiekiui ir fluorescencijai] Environmental Research, Engineering and Management, 72(4), 28-36, SCOPUS
88. [1.2] Kumar, D., Singh, D. P., Barman, S. C., & Kumar, N. (2016). Heavy metal and their regulation in plant system: An overview. In Plant responses to xenobiotics (Springer, chapter 2, pp. 19-38), SCOPUS
89. [1.2] Moreira, H., Pereira, S. I. A., & Castro, P. M. L. (2016). Impact of heavy metals and metalloids on soil microorganisms of mining areas. In Contaminated soils: Sources, properties and impacts (Nova Science Publishers, chapter 4, pp. 95-120), SCOPUS
90. [1.2] Narendhran, S., Rajiv, P., & Sivaraj, R. (2016). Influence of zinc oxide nanoparticles on growth of sesamum indicum L. in zinc deficient soil. International Journal of Pharmacy and Pharmaceutical Sciences, 8(3), 365-371, SCOPUS
91. [1.2] Nazir, Q., Hussain, A., Imran, M., Mahmood, S., Ahmad, M., & Iqbal, M. M. (2016). Zinc biofortification of cereals through fertilizers: Recent advances and future perspectives. Asian Journal of Agriculture and Biology, 4(4), 140-152, SCOPUS
92. [1.2] Nouri, M. Z., Ghaffari, M. R., Sobhanian, H., & Hajirezaei, M. R. (2016). Proteomics approach for identification of nutrient deficiency related proteins in crop plants. In Agricultural proteomics, Volume 2: Environmental stresses (Springer International Publishing, chapter 8, pp. 177-201), SCOPUS
93. [1.2] Poltronieri, Y., Martinez, H. E. P., Clemente, J. M., & Ferreira, A. O. (2016). Boron, copper and zinc supply by insertion tablets in the coffee orthotropic stem. [Fornecimento de boro, cobre e zinco ao cafeeiro via inserção de comprimidos no ramo ortotrópico] Coffee Science, 11(4), 521-529, SCOPUS
94. [1.2] Rojanapithayakorn, D., & Ariyakanon, N. (2016). Electrokinetic enhancement on phytoremediation in zinc contaminated soil by ruzi grass. EnvironmentAsia, 9(1), 92-98, SCOPUS

ADCA98 BROWN, J.L. - KOSSACZKA, Z. - JIANG, B. - BUSSEY, H.A. A mutational analysis of killer toxin resistance in Saccharomyces cerevisiae identifies new genes involved in cell wall (1-6)-beta-glucan synthesis. In Genetics, 1993, vol.133, p. 837-849. ISSN 0016-6731.

Citácie:

1. [1.1] Davidson, R (Davidson, Reshma); Pontasch, JA (Pontasch, Josef A.); Wu, JQ (Wu, Jian-Qiu): Sbg1 Is a Novel Regulator for the Localization of the beta-Glucan Synthase Bgs1 in Fission Yeast. In: PLOS ONE Volume: 11 Issue: 11 Article Number: e0167043, WOS

2. [1.1] Oliveira-Garcia, E (Oliveira-Garcia, Ely); Deising, HB (Deising, Holger B.): Attenuation of PAMP-triggered immunity in maize requires down-regulation of the key beta-1,6-glucan synthesis genes KRE5 and KRE6 in biotrophic hyphae of Colletotrichum graminicola. In: : PLANT JOURNAL Volume: 87 Issue: 4 Pages: 355-375, WOS
3. [1.1] Zimkus, A (Zimkus, Aurelijus); Misiunas, A (Misiunas, Audrius); Ramanavicius, A (Ramanavicius, Arunas); Chaustova, L (Chaustova, Larisa): Evaluation of Competence Phenomenon of Yeast Saccharomyces cerevisiae by Lipophilic Cations Accumulation and FT-IR Spectroscopy. Relation of Competence to Cell Cycle. In: GENETIC TRANSFORMATION SYSTEMS IN FUNGI, VOL 1 Book Series Title: Fungal Biology-US Pages: 239-252, WOS
4. [1.1] van Wijlick, L (van Wijlick, Lasse); Geissen, R (Geissen, Rene); Hilbig, JS (Hilbig, Jessica S.); Lagadec, Q (Lagadec, Quentin); Cantero, PD (Cantero, Pilar D.); Pfeifer, E (Pfeifer, Eugen); Juchimiuk, M (Juchimiuk, Mateusz); Kluge, S (Kluge, Sven); Wickert, S (Wickert, Stephan); Alepuz, P (Alepuz, Paula); Ernst, JF (Ernst, Joachim F.).: Dom34 Links Translation to Protein O-mannosylation. In: PLOS GENETICS Volume: 12 Issue: 10 Article Number: e1006395, WOS

ADCA99 BRULL, L.P. - KOVÁČIK, Vladimír - THOMAS-OATES, J. - HEERMA, W. - HAVERKAMP, J. Sodium-cationized oligosaccharides do not appear to undergo 'internal residue loss' rearrangement processes on tandem mass spectrometry. In Rapid Communications in Mass Spectrometry, 1998, vol. 12, p. 1520-1532. ISSN 0951-4198.

Citácie:
1. [1.1] Pu, Y (Pu, Yi); Ridgeway, ME (Ridgeway, Mark E.); Glaskin, RS (Glaskin, Rebecca S.); Park, MA (Park, Melvin A.); Costello, CE (Costello, Catherine E.); Lin, C (Lin, Cheng): Separation and Identification of Isomeric Glycans by Selected Accumulation-Trapped Ion Mobility Spectrometry-Electron Activated Dissociation Tandem Mass Spectrometry. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 7 Pages: 3440-3443, WOS
2. [1.2] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

ADCA100 BRÜLL, L.P. - HEERMA, W. - THOMAS-OATES, J.E. - HAVERKAMP, J. - KOVACIK, Vladimir - KOVÁČ, P. Loss of internal 1-6 substituted monosaccharide residues from underivatized and per-O-methylated trisaccharides. In Journal of the American Society for Mass Spectrometry, 1997, vol. 8, p. 43.

Citácie:
1. [1.1] Wong, YLE (Wong, Y-L. Elaine); Chen, XF (Chen, Xiangfeng); Li, W (Li, Wan); Wang, Z (Wang, Ze); Hung, YLW (Hung, Y. -L. Winnie); Wu, R (Wu, Ri); Chan, TWD (Chan, T. -W. Dominic): Differentiation of Isomeric Ginsenosides by Using Electron-Induced Dissociation Mass Spectrometry. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 11 Pages: 5590-5594, WOS
2. [1.2] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

ADCA101 BUCOVÁ, Mária - SUCHÁNKOVÁ, Magda - DZURILLA, Martin - VRLÍK, Mojmír - NOVOSADOVÁ, Helena - TEDLOVÁ, Eva - URBAN, Štefan - HORNÁKOVÁ, Edita - ŠELIGOVÁ, Marianna - DURMANOVÁ, Vladimíra - PENZ, Peter - JAVOR, Juraj - PAULOVIČOVÁ, Ema. Inflammatory marker sTREM-1 reflects the clinical stage and respiratory tract obstruction in allergic asthma bronchiale patients and correlates with number of neutrophils. In Mediators of Inflammation, 2012, article ID 628754, 8 p. (3.263 - IF2011). (2012 - Current Contents). ISSN 0962-9351.

Citácie:
1. [1.1] Zhang, GB (Zhang, Guangbo); Liu, HM (Liu, Hongmei); Huang, J (Huang, Jian); Chen, SW (Chen, Siwen); Pan, XD (Pan, Xudong); Huang, HT (Huang, Haitao); Wang, L (Wang, Ling): TREM-1(low) is a novel characteristic for tumor-associated macrophages in lung cancer. In: ONCOTARGET Volume: 7 Issue: 26 Pages: 40508-40517, WOS
2. [1.2] Bosco, M. C., Raggi, F., & Varesio, L. (2016). Therapeutic potential of targeting TREM-1 in inflammatory diseases and cancer. Current Pharmaceutical Design, 22(41), 6209-6233, SCOPUS
3. [1.2] Hall, S. C., & Agrawal, D. K. (2016). Toll-like receptors, triggering receptor expressed on myeloid cells family members and receptor for advanced glycation end-products in allergic airway inflammation. Expert Review of Respiratory Medicine, 10(2), 171-184, SCOPUS
4. [1.2] Paknejad, M., Sattari, M., Roozbahani, Z., Ershadi, M., & Mehrfard, A. (2016). Relationships between high-mobility group protein b1 and triggering receptor expressed on myeloid cells concentrations in gingival crevicular fluid and chronic periodontitis. Iranian Journal of Allergy, Asthma and Immunology, 15(5), 381-385, SCOPUS

ADCA102 BUČEKOVÁ, Marcela - VALACHOVÁ, Ivana - KOHÚTOVÁ, Lenka - PROCHÁZKA, Emanuel - KLAUDINY, Jaroslav - MAJTÁN, Juraj. Honeybee glucose oxidase-its expression in honeybee

workers and comparative analyses of its content and H2O2-mediated antibacterial activity in natural honeys. In Naturwissenschaften, 2014, vol. 101, no. 8, p. 661-670. (1.971 - IF2013). (2014 - Current Contents). ISSN 0028-1042. Dostupné na internete: <http://download.springer.com/static/pdf/425/art%253A10.1007%252Fs00114-014-1205-z.pdf?auth66=1408610030_169b9af497196966fea139a348c11bf0&ext=.pdf>(Projekt: ITMS 26240220030 : Výskum a vývoj nových bioterapeutických metód pri liečbe niektorých závažných ochorení. VEGA 2/0178/12 : Výskum molekulárnych faktorov obrany včelstiev voči niektorým mikrobiálnym patogénom).

Citácie:

1. [1.1] BOLOGNESE, Fabrizio - BISTOLETTI, Michela - BARBIERI, Paola - ORLANDI, Viviana Teresa. Honey-sensitive Pseudomonas aeruginosa mutants are impaired in catalase A. In MICROBIOLOGY-SGM. ISSN 1350-0872, 2016, vol. 162, no. 9, pp. 1554-1562., WOS

2. [1.1] HU, H., BIENEFELD, K., WEGENER, J., ZAUTKE, F., HAO, Y., FENG, M., HAN, B., FANG, Y., WUBIE, A.J., LI, J. (2016) Proteome analysis of the hemolymph, mushroom body, and antenna provides novel insight into honeybee resistance against varroa infestation JOURNAL OF PROTEOME RESEARCH, 15 (8), pp. 2841-2854. DOI: 10.1021/acs.jproteome.6b00423, WOS

3. [1.1] MAES, P.W., RODRIGUES, P.A.P., OLIVER, R., MOTT, B.M., ANDERSON, K.E. (2016)Diet-related gut bacterial dysbiosis correlates with impaired development, increased mortality and Nosema disease in the honeybee (Apis mellifera) MOLECULAR ECOLOGY, 25 (21), pp. 5439-5450. DOI: 10.1111/mec.13862, WOS

4. [1.1] ORYAN, Ahmad - ALEMZADEH, Esmat - MOSHIRI, Ali. Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. In JOURNAL OF TISSUE VIABILITY. ISSN 0965-206X, 2016, vol. 25, no. 2, pp. 98-118., WOS

5. [1.1] RICHTER, Katharina Natalia - ROLKE, Daniel - BLENAU, Wolfgang - BAUMANN, Otto. Secretory cells in honeybee hypopharyngeal gland: polarized organization and age-dependent dynamics of plasma membrane. In CELL AND TISSUE RESEARCH. ISSN 0302-766X, 2016, vol. 366, no. 1, pp. 163-174., WOS

6. [1.1] WEGENER, J., RUHNKE, H., SCHELLER, K., MISPAGEL, S., KNOLLMANN, U., KAMP, G., BIENEFELD, K. (2016)Pathogenesis of varroosis at the level of the honey bee (Apis mellifera) colony. JOURNAL OF INSECT PHYSIOLOGY, 91-92, pp. 1-9. DOI: 10.1016/j.jinsphys.2016.06.004, WOS

7. [1.1] WEGENER, Jakob - RUHNKE, Haike - MILCHREIT, Kathrin - KLEEBAUM, Katharina - FRANKE, Monique - MISPAGEL, Sebastian - BISCHOFF, Gabriela - KAMP, Guenter - BIENEFELD, Kaspar. Secondary biomarkers of insecticide-induced stress of honey bee colonies and their relevance for overwintering strength. In ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY. ISSN 0147-6513, 2016, vol. 132, no., pp. 379-389., WOS

ADCA103 BUČKO, Marek - VIKARTOVSKÁ, Alica, Welwardová - LACÍK, Igor - HLOUŠKOVÁ, Gabriela - GEMEINER, Peter - PÄTOPRSTÝ, Vladimír - BRYGIN, Michal. Immobilization of a whole-cell epoxide-hydrolyzing biocatalyst in sodium alginate-cellulose sulfate-poly(methylene-co-guanidine) capsules using a controlled encapsulation process. In Enzyme and Microbial Technology. - New York : Elsevier, 2005, vol. 36, p.118-126. ISSN 0141-0229.

Citácie:

1. [1.1] DEMONT, A. - MARISON, I.W. Microencapsulation by Dripping and Jet Break-Up. In HANDBOOK OF ENCAPSULATION AND CONTROLLED RELEASE. 2016, p. 177-199., WOS

2. [1.2] ARCHELAS, A.- IACAZIO, G.- KOTIK, M. Epoxide Hydrolases and their Application in Organic Synthesis. (2016) Green Biocatalysis, p. 179-229., SCOPUS

ADCA104 BUČKO, Marek - GEMEINER, Peter - SCHENKMAYEROVÁ, Andrea - KRAJČOVIČ, Tomáš - RUDROFF, Florian - MIHOVILOVIČ, Marko. Baeyer-Villiger oxidations: biotechnological approach. In Applied Microbiology and Biotechnology, 2016, vol. 100, p. 6585-6599. (3.376 - IF2015). (2016 - Current Contents). ISSN 0175-7598.

Citácie:

1. [1.1] Romero, E (Romero, Elvira); Castellanos, JRG (Castellanos, J. Ruben Gomez); Mattevi, A (Mattevi, Andrea); Fraaije, MW (Fraaije, Marco W.): Characterization and Crystal Structure of a Robust Cyclohexanone Monooxygenase, WOS

2. [3.1] He Li, Zhao Lei, Xu Dan-Jie, Li Si-Min. (2016). The application of immobilized microbes in biofilm-type biochemical oxygen demand sensor: a review. In Microbiology China, 43(7), 1565-1578

ADCA105 BUČKOVÁ, A. - EISENREICHOVÁ, E. - HALADOVÁ, M. - UHRÍN, D. - TOMKO, J. A new acetylated kaempferol derivative from Lilium candidum L. In Phytochemistry, 1988, vol. 27, p. 1914-1915. ISSN 0031-9422.

Citácie:

1. [1.1] Jovtchev, G (Jovtchev, Gabriele); Gateva, S (Gateva, Svetla); Stankov, A (Stankov, Alexander): Lilium Compounds Kaempferol and Jatropham Can Modulate Cytotoxic and

Genotoxic Effects of Radiomimetic Zeocin in Plants and Human Lymphocytes In Vitro. In: ENVIRONMENTAL TOXICOLOGY Volume: 31 Issue: 6 Pages: 751-764, WOS

ADCA106 BUČKOVÁ, M. - LABUDA, J. - ŠANDULA, Jozef - KRIŽKOVÁ, L. - ŠTĚPÁNEK, I. - ĎURAČKOVÁ, Z. Detection of damage to DNA and antioxidative activity of yeast polysaccharides at the DNA-modified screen-printed electrode. In Talanta, 2002, vol. 56, p. 939-947.

Citácie:

1. [1.1] Freitas, F (Freitas, Filomena); Roca, C (Roca, Christophe); Reis, MAM (Reis, Maria A. M.): Fungi as Sources of Polysaccharides for Pharmaceutical and Biomedical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3, BIODEGRADABLE POLYMERS Pages: 61-103, WOS

2. [1.2] Su, P., Song, S., Wu, Q., Sun, X., & Liu, Y. (2016). Preparation of the flavonoid microcapsules of okra' flowers and the antioxidant capacity in oil. Journal of Chinese Institute of Food Science and Technology, 16(4), 153-158, SCOPUS

ADCA107 BUJDÁKOVÁ, H. - PAULOVIČOVÁ, Ema - BORECKÁ-MELKUSOVÁ, S. - GAŠPERÍK, Juraj - KUCHÁRIKOVÁ, S. - KOLECKÁ, A. - LELL, C. - JENSEN, D.B. - WURZNER, R. - CHORVÁT, D. Jr. - PICHOVÁ, I. Antibody response to the 45 kDa Candida albicans antigen in an animal model and potential role of the antigen in adherence. In Journal of Medical Microbiology, 2008, vol. 57, p. 1466-1472. (2008 - Current Contents). ISSN 0022-2615.

Citácie:

1. [1.2] Girardot, M., & Imbert, C. (2016). Natural sources as innovative solutions against fungal biofilms. Advances in Experimental Medicine and Biology, 931, Article number 3, 105-125., SCOPUS

ADCA108 BYSTRICKÝ, Slavomír - MALOVÍKOVÁ, Anna - STICZAY, T.. Interaction of alginates and pectins with cationic polypeptides. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 1990, vol. 13, p. 283-294. ISSN 0144-8617.

Citácie:

1. [1.1] Ramos, PE (Ramos, Philippe E.); Cerqueira, MA (Cerqueira, Miguel A.); Cook, MT (Cook, Michael T.); Bourbon, AI (Bourbon, Ana I.); Khutoryanskiy, VV (Khutoryanskiy, Vitaliy V.); Charalampoulos, D (Charalampoulos, Dimitris); Teixeira, JA (Teixeira, Jose A.); Vicente, AA (Vicente, Antonio A.): Development of an immobilization system for in situ micronutrients release. In: FOOD RESEARCH INTERNATIONAL Volume: 90 Pages: 121-132, WOS

ADCA109 BYSTRICKÝ, Slavomír - PAULOVIČOVÁ, Ema - MACHOVÁ, Eva. Candida albicans mannan-protein conjugate as vaccine candidate. In Immunology Letters, 2003, vol.85, p. 251-255. ISSN 0165-2478.

Citácie:

1. [1.1] Ma, B (Ma, Bin); Lv, XF (Lv, Xiaofei); He, Y (He, Yan); Xu, JM (Xu, Jianming): Assessing adsorption of polycyclic aromatic hydrocarbons on Rhizopus oryzae cell wall components with water-methanol cosolvent model. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 125 Pages: 55-60, WOS

ADCA110 BYSTRICKÝ, Slavomír - MALOVÍKOVÁ, Anna - STICZAY, T. Interaction of acidic polysaccharides with polylysine enantiomers. Conformation probe in solution. In Carbohydrate Polymers, 1991, vol. 15, p. 299-308. ISSN 0144-8617.

Citácie:

1. [1.2] Pandurangan, A. S., Kanagesan, S., Narayanaswamy, R., Esa, N. M., & Parasuraman, P. (2016). Nanobiomaterial-based delivery of drugs in various cancer therapies: Classifying the mechanisms of action (using biochemical and molecular biomarkers). In Nanobiomaterials in cancer therapy: Applications of nanobiomaterials (Elsevier, vol. 7, chapter 11, pp. 331-365), SCOPUS

ADCA111 BYSTRICKÝ, Slavomír - MACHOVÁ, Eva - MALOVÍKOVÁ, Anna - KOGAN, Grigorij. Determination of cross-linking effect of adipic acid dihydrazide on glycoconjugate preparation S. Bystricky. In Glycoconjugate Journal, 1999, vol. 16, no. 11, p. 691-695.

Citácie:

1. [1.1] Abdulsamad, A (Abdulsamad, A.); Oyi, AR (Oyi, A. R.); Isah, AB (Isah, A. B.); Odidi, I (Odidi, I.): Derivatisation of Cashew Gum via Cross-linking with Citric Acid: Characterisation and Preliminary Evaluation of Tableting Properties. In: BRITISH JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 6 Issue: 1 Article Number: 2015.046, WOS

ADCA112 CABIB, E. - FARKAŠ, Vladimír - KOSÍK, Ondřej - BLANCO, N. - ARROYO, J. - MCPIE, P. Assembly of the yeast cell wall:Crh1p and Crh2p act as transglycosylases in vivo and in vitro. In Journal of Biological Chemistry, 2008, vol.283, p. 29859-29872. (5.581 - IF2007). (2008 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Geoghegan, IA (Geoghegan, Ivey A.); Gurr, SJ (Gurr, Sarah J.): Chitosan Mediates Germling Adhesion in Magnaporthe oryzae and Is Required for Surface Sensing and Germling

Morphogenesis. In: PLOS PATHOGENS Volume: 12 Issue: 6 Article Number: e1005703, WOS
2. [1.1] Kim, SJ (Kim, Sang-Jin); Brandizzi, F (Brandizzi, Federica): The plant secretory pathway for the trafficking of cell wall polysaccharides and glycoproteins. In: GLYCOBIOLOGY Volume: 26 Issue: 9 Pages: 940-949, WOS
3. [1.1] Oh, HJ (Oh, Hye Ji); Moon, HY (Moon, Hye Yun); Cheon, SA (Cheon, Seon Ah); Hahn, Y (Hahn, Yoonsoo); Kang, HA (Kang, Hyun Ah): Functional analysis of recombinant human and Yarrowia lipolytica O-GlcNAc transferases expressed in Saccharomyces cerevisiae. In: JOURNAL OF MICROBIOLOGY Volume: 54 Issue: 10 Pages: 667-674, WOS
4. [1.1] Yeo, CC (Yeo, Chew Chieng); Abu Bakar, F (Abu Bakar, Fauziah); Chan, WT (Chan, Wai Ting); Espinosa, M (Espinosa, Manuel); Harikrishna, JA (Harikrishna, Jennifer Ann).: Heterologous Expression of Toxins from Bacterial Toxin-Antitoxin Systems in Eukaryotic Cells: Strategies and Applications. In: TOXINS Volume: 8 Issue: 2 Article Number: 49, WOS

ADCA113 CABIB, E. - FARKAŠ, Vladimír. The control of morphogenesis: an enzymatic mechanism for the initiation of septum formation in yeast. In Proceedings of the National Academy of Sciences of the United States of America, 1971, vol. 68, p. 2052-2056. ISSN 0027-8424.

Citácie:

1. [1.1] Arcones, I (Arcones, Irene); Roncero, C (Roncero, Cesar): Monitoring Chitin Deposition During Septum Assembly in Budding Yeast, WOS

ADCA114 CAPEK, Peter - DRÁBIK, Milan - TURJAN, Jozef. Characterization of starch and its mono and hybrid derivatives by thermal analysis and FT-IR spectroscopy. In Journal of Thermal Analysis and Calorimetry, 2010, vol. 99, no. 2, p. 667-673. (1.587 - IF2009). (2010 - Current Contents). ISSN 1388-6150.

Citácie:

1. [1.1] GILFILLAN, William Neil - MOGHADDAM, Lalehvash - BARTLEY, John - DOHERTY, William O. S. Thermal extrusion of starch film with alcohol. In JOURNAL OF FOOD ENGINEERING. ISSN 0260-8774, 2016, vol. 170, no., pp. 92-99., WOS
2. [1.1] KARKKAINEN, Johanna - WIK, Tiia-Riikka - NIEMELA, Matti - LAPPALAINEN, Katja - JOENSUU, Paivi - LAJUNEN, Marja. H-1 NMR-based DS determination of barley starch sulfates prepared in 1-allyl-3-methylimidazolium chloride. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 136, no., pp. 721-727., WOS
3. [1.1] KORVA, Hanne - KARKKAINEN, Johanna - LAPPALAINEN, Katja - LAJUNEN, Marja. Spectroscopic study of natural and synthetic polysaccharide sulfate structures. In STARCH-STARKE. ISSN 0038-9056, 2016, vol. 68, no. 9-10, pp. 854-863., WOS

ADCA115 CAPEK, Peter - HRIBALOVA, V. - ŠVANDOVÁ, E. - EBRINGEROVÁ, Anna - SASINKOVÁ, Vlasta - MASÁROVÁ, Jana. Characterization of immunomodulatory polysaccharides from Salvia officinalis L. In International Journal of Biological Macromolecules, 2003, vol.33, p.113-119. ISSN 0141-8130.

Citácie:

1. [1.1] Beserra, FP (Beserra, Fernando Pereira); Rozza, AL (Rozza, Ariane Leite); Vieira, AJ (Vieira, Ana Julia); Gushiken, LFS (Sergio Gushiken, Lucas Fernando); Pellizzon, CH (Pellizzon, Claudia Helena): Antiulcerogenic Compounds Isolated From Medicinal Plants. In: STUDIES IN NATURAL PRODUCTS CHEMISTRY, VOL 47: BIOACTIVE NATURAL PRODUCTS Book Series Title: Studies in Natural Products Chemistry Volume: 47 Pages: 215-234, WOS
2. [1.1] Ghorbani, A (Ghorbani, Ahmad): Sage. In: LEAFY MEDICINAL HERBS: BOTANY, CHEMISTRY, POSTHARVEST TECHNOLOGY AND USES Pages: 224-236, WOS
3. [1.1] Losso, JN (Losso, Jack N.): Multiple Sclerosis. In: MAILLARD REACTION RECONSIDERED: COOKING AND EATING FOR HEALTH Pages: 207-221, WOS
4. [1.1] Oliveira, RN (Oliveira, Renata Nunes); Mancini, MC (Mancini, Mauricio Cordeiro); de Oliveira, FCS (Salles de Oliveira, Fernando Cabral); Passos, TM (Passos, Thayse Marques); Quilty, B (Quilty, Brid); Thire, RMDM (da Silva Moreira Thire, Rossana Mara); McGuinness, GB (McGuinness, Garrett Brian):FTIR analysis and quantification of phenols and flavonoids of five commercially available plants extracts used in wound healing. In: MATERIA-RIO DE JANEIRO Volume: 21 Issue: 3 Pages: 767-779, WOS
5. [1.2] Venkatalakshmi, P., Vadivel, V., & Brindha, P. (2016). Review on immunomodulatory role of plant drugs in indian traditional systems of medicine. International Journal of Pharmaceutical Sciences Review and Research, 36(2), 163-183, SCOPUS

ADCA116 CAPEK, Peter - ALFOLDI, Juraj - LIŠKOVÁ, Desana. An acetylated galactoglucomannan from Picea abies L. Karst. In Carbohydrate Research, 2002, vol.337, p.1033-1037. (1.349 - IF2001). (2002 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Liu, HM (Liu, Hua-Min); Wang, FY (Wang, Fei-Yun); Liu, YL (Liu, Yu-Lan): Hot-compressed water extraction of polysaccharides from soy hulls. In: FOOD CHEMISTRY Volume: 202 Pages: 104-109, WOS

2. [1.1] Pawar, PMA (Pawar, Prashant Mohan-Anupama); Derba-Maceluch, M (Derba-Maceluch, Marta); Chong, SL (Chong, Sun-Li); Gomez, LD (Gomez, Leonardo D.); Miedes, E (Miedes, Eva); Banasiak, A (Banasiak, Alicja); Ratke, C (Ratke, Christine); Gaertner, C (Gaertner, Cyril); Mouille, G (Mouille, Gregory); McQueen-Mason, SJ (McQueen-Mason, Simon J.); Molina, A (Molina, Antonio); Sellstedt, A (Sellstedt, Anita); Tenkanen, M (Tenkanen, Maija); Mellerowicz, EJ (Mellerowicz, Ewa J.): Expression of fungal acetyl xylan esterase in Arabidopsis thaliana improves saccharification of stem lignocellulose. In: PLANT BIOTECHNOLOGY JOURNAL Volume: 14 Issue: 1 Pages: 387-397, WOS
3. [1.1] Pranovich, A (Pranovich, Andrey); Holmbom, B (Holmbom, Bjarne); Willfor, S (Willfor, Stefan): TWO-STAGE HOT-WATER EXTRACTION OF GALACTOGLUCOMANNANS FROM SPRUCE WOOD. In: JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY Volume: 36 Issue: 2 Pages: 140-156, WOS
4. [1.2] Sudhakar, K., Reddy, N. N., Rao, K. M., Moloi, S. J., Reddy, A. B., & Sadiku, E. R. (2016). Polyethylene/Hemicellulose-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 5, pp. 167-200), SCOPUS

ADCA117 CAPEK, Peter - HLAVOŇOVÁ, E. - MATULOVÁ, Mária - MISLOVIČOVÁ, Danica - RUŽIČKA, J. - KOUTNÝ, M. - KEPRDOVÁ, L. Isolation and characterization of an extracellular glucan produced by Leuconostoc garlicum PR. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2011, vol. 83, p. 88-93. (3.463 - IF2010). (2011 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Kavitake, D (Kavitake, Digambar); Devi, PB (Devi, Palanisamy Bruntha); Singh, SP (Singh, Sanjay Pratap); Shetty, PH (Shetty, Prathapkumar Halady): : Characterization of a novel galactan produced by Weissella confusa KR780676 from an acidic fermented food. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 681-689, WOS
2. [1.1] Saravanan, C (Saravanan, Chinnashanmugam); Shetty, PKH (Shetty, Prathap Kumar H.): Isolation and characterization of exopolysaccharide from Leuconostoc lactis KC117496 isolated from idli batter. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 90 Special Issue: SI Pages: 100-106, WOS

ADCA118 CAPEK, Peter. A water soluble glucomannan isolated from an immunomodulatory active polysaccharide of Salvia Officinalis L. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2009, vol.75, s.356-359. (2.644 - IF2008). ISSN 0144-8617.

Citácie:

1. [1.1] Ghorbani, A (Ghorbani, Ahmad): Sage. In: LEAFY MEDICINAL HERBS: BOTANY, CHEMISTRY, POSTHARVEST TECHNOLOGY AND USES Pages: 224-236, WOS

ADCA119 CAPEK, Peter. An arabinogalactan containing 3-O-methyl-D-galactose residues isolated from the aerial parts of Salvia officinalis L. In Carbohydrate Research, 2008, vol.343, p. 1390-1393. (1.723 - IF2007). (2008 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Leivas, CL (Leivas, Carolina Lopes); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Pectic type II arabinogalactans from starfruit (Averrhoa carambola L.). In: FOOD CHEMISTRY Volume: 199 Pages: 252-257, WOS
2. [1.1] Yuan, YF (Yuan, Yunfei); Wang, YB (Wang, Yan-Bo); Jiang, YM (Jiang, Yueming); Prasad, KN (Prasad, K. Nagendra); Yang, JL (Yang, Jiali); Qu, HX (Qu, Hongxia); Wang, Y (Wang, Ying); Jia, YX (Jia, Yongxia); Mo, H (Mo, Hui); Yang, B (Yang, Bao): Structure identification of a polysaccharide purified from Lycium barbarium fruit. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 696-701, WOS

ADCA120 CAPEK, Peter - HŘÍBALOVÁ, W. Water-soluble polysaccharides from Salvia officinalis L. possessing immunomodulatory activity. In Phytochemistry, 2004, vol. 65, p. 1983-1992. ISSN 0031-9422.

Citácie:

1. [1.1] Cvetkovikj, I (Cvetkovikj, Ivana); Stefkov, G (Stefkov, Gjoshe); Acevska, J (Acevska, Jelena); Karapandzova, M (Karapandzova, Marija); Dimitrovska, A (Dimitrovska, Aneta); Kulevanova, S (Kulevanova, Svetlana): Headspace screening: A novel approach for fast quality assessment of the essential oil from culinary sage. In: FOOD CHEMISTRY Volume: 202 Pages: 133-140, WOS
2. [1.1] Ghorbani, A (Ghorbani, Ahmad): Sage. In: LEAFY MEDICINAL HERBS: BOTANY, CHEMISTRY, POSTHARVEST TECHNOLOGY AND USES Pages: 224-236, WOS
3. [1.1] Jash, SK (Jash, Shyamal K.); Gorai, D (Gorai, Dilip); Roy, R (Roy, Rajiv): SALVIA GENUS AND TRITERPENOIDS. In: INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH Volume: 7 Issue: 12 Pages: 4710-4732, WOS

4. [1.1] Pavlic, B (Pavlic, Branimir); Vidovic, S (Vidovic, Senka); Vladic, J (Vladic, Jelena); Radosavljevic, R (Radosavljevic, Robert); Cindric, M (Cindric, Marina); Zekovic, Z (Zekovic, Zoran): Subcritical water extraction of sage (Salvia officinalis L.) by-products-Process optimization by response surface methodology. In: JOURNAL OF SUPERCRITICAL FLUIDS Volume: 116 Pages: 36-45, WOS

5. [1.2] Kadhim, S. M., Mohammed, M. T., Ahmed, O. M., & Jassim, A. M. N. (2016). Study of some salvia officinalis L. (SAGE) components and effect of their aqueous extract on antioxidant. International Journal of Chemical Sciences, 14(2), 711-719, SCOPUS

ADCA121 CAPEK, Peter - MACHOVÁ, Eva - TURJAN, Jozef. Scavenging, antioxidant activities of immunomodulating polysaccharides isolated from Salvia officinalis L. In International Journal of Biological Macromolecules, 2009, vol. 44, p. 75-80. (1.868 - IF2008). (2009 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Guo, YH (Guo, Yuanheng); Cao, LL (Cao, Lili); Zhao, QS (Zhao, Qingsheng); Zhang, LJ (Zhang, Lijun); Chen, JJ (Chen, Jinjin); Liu, BY (Liu, Boyan); Zhao, B (Zhao, Bing): Preliminary characterizations, antioxidant and hepatoprotective activity of polysaccharide from Cistanche deserticola. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 678-685, WOS

2. [1.1] Kumar, CS (Kumar, C. Senthil); Sivakumar, M (Sivakumar, M.); Ruckmani, K (Ruckmani, K.).: Microwave-assisted extraction of polysaccharides from Cyphomandra betacea and its biological activities. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 92 Pages: 682-693, WOS

3. [1.1] Liu, M (Liu, Min); Jing, HJ (Jing, Huijuan); Zhang, JJ (Zhang, Jianjun); Che, G (Che, Gen); Zhou, M (Zhou, Meng); Gao, Z (Gao, Zheng); Li, SS (Li, Shangshang); Ren, ZZ (Ren, Zhenzhen); Hao, L (Hao, Long); Liu, Y (Liu, Yu); Jia, L (Jia, Le): Optimization of Mycelia Selenium Polysaccharide Extraction from Agrocybe cylindracea SL-02 and Assessment of their Antioxidant and Anti-Ageing Activities. In: PLOS ONE Volume: 11 Issue: 8 Article Number: e0160799, WOS

ADCA122 CAPEK, Peter - MATULOVÁ, Mária. An arabino(glucurono)xylan isolated from immunomodulatory active hemicellulose fraction of Salvia officinalis L. In International Journal of Biological Macromolecules, 2013, vol. 59, p. 396-401. (2.596 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0141-8130.

Citácie:

1. [1.1] do Nascimento, GE (do Nascimento, Georgia Erdmann); Baggio, CH (Baggio, Cristiane H.); Werner, MFD (de Paula Werner, Maria Fernanda); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Arabinoxylan from Mucilage of Tomatoes (Solanum lycopersicum L.): Structure and Antinociceptive Effect in Mouse Models. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 6 Pages: 1239-1244, WOS

ADCA123 CAPEK, Peter - MATULOVÁ, Mária - COMBOURIEU, B. The extracellular proteoglycan produced by Rhodella grisea. In International Journal of Biological Macromolecules, 2008, vol.43, p. 390-393. (1.578 - IF2007). (2008 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Delattre, C (Delattre, Cedric); Pierre, G (Pierre, Guillaume); Laroche, C (Laroche, Celine); Michaud, P (Michaud, Philippe): Production, extraction and characterization of microalgal and cyanobacterial exopolysaccharides. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1159-1179, WOS

2. [1.1] Soanen, N (Soanen, Nastasia); Da Silva, E (Da Silva, Elise); Gardarin, C (Gardarin, Christine); Michaud, P (Michaud, Philippe); Laroche, C (Laroche, Celine): Improvement of exopolysaccharide production by Porphyridium marinum. In: :BIORESOURCE TECHNOLOGY Volume: 213 Pages: 231-238, WOS

ADCA124 CAPEK, Peter - MATULOVÁ, Mária - NAVARINI, Luciano - SUGGI-LIVERANI, Furio. Structural features of an arabinogalactan-protein isolated from instant coffee powder of Coffea arabica beans. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2010, vol. 80, p. 180-185. (3.167 - IF2009). (2010 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Hromadkova, Z (Hromadkova, Zdenka); Kostalova, Z (Kostalova, Zuzana); Ondrejovic, M (Ondrejovic, Miroslav); Chmelova, D (Chmelova, Daniela): ISOLATION, COMPOSITION AND SRUCTURE OF POLYSACHARIDES FROM LARIXDECIDUA. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 142-147, WOS

2. [1.1] Raja, W (Raja, Washim); Bera, K (Bera, Kaushik); Ray, B (Ray, Bimalendu):

Polysaccharides from Moringa oleifera gum: structural elements, interaction with beta-lactoglobulin and antioxidative activity. In: RSC ADVANCES Volume: 6 Issue: 79 Pages: 75699-75706, WOS

ADCA125 CAPEK, Peter - PAULOVIČOVÁ, Ema - MATULOVÁ, Mária - MISLOVIČOVÁ, Danica - NAVARINI, Luciano - SUGGI-LIVERANI, Furio. Coffea arabica instant coffee- Chemical view and immunomodulating properties. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2014, vol. 103, p. 418-426. (3.916 - IF2013). (2014 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Dhand, V (Dhand, Vivek); Soumya, L (Soumya, L.); Bharadwaj, S (Bharadwaj, S.); Chakra, S (Chakra, Shilpa); Bhatt, D (Bhatt, Deepika); Sreedhar, B (Sreedhar, B.): Green synthesis of silver nanoparticles using Coffea arabica seed extract and its antibacterial activity. In: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 58 Pages: 36-43, WOS

ADCA126 CAPEK, Peter - TOMAN, Rudolf - KARDOŠOVÁ, Alžbeta - ROSIK, J.. Polysaccharides from the roots of the marsh mallow (Althaea officinalis L.): Structure of an arabinan. In Carbohydrate Research, 1983, vol. 117, p. 133-140. ISSN 0008-6215.

Citácie:

1. [1.1] Ho, GTT (Giang Thanh Thi Ho); Zou, YF (Zou, Yuan-Feng); Aslaksen, TH (Aslaksen, Torun Helene); Wangensteen, H (Wangensteen, Helle); Barsett, H (Barsett, Hilde): Structural characterization of bioactive pectic polysaccharides from elderflowers . In: CARBOHYDRATE POLYMERS Volume: 135 Pages: 128-137, WOS

2. [1.1] Ho, GTT (Giang Thanh Thi Ho); Zou, YF (Zou, Yuan-Feng); Wangensteen, H (Wangensteen, Helle); Barsett, H (Barsett, Hilde): RG-I regions from elderflower pectins substituted on GalA are strong immunomodulators. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 92 Pages: 731-738, WOS

ADCA127 CAPEK, Peter - ROSIK, J. - KARDOŠOVÁ, Alžbeta - JANECEK, F.. Polysaccharides from the roots of Althaea officinalis L. In Collection of Czechoslovak chemical communications, 1984, vol. 49, p. 2674-2679. ISSN 0010-0765.

Citácie:

1. [1.1] Benbassat, N (Benbassat, Niko); Yoncheva, K (Yoncheva, Krassimira); Hadjimitova, V (Hadjimitova, Vera); Hristova, N (Hristova, Nadia); Konstantinov, S (Konstantinov, Spiro); Lambov, N (Lambov, Nikolai): Influence of the extraction solvent on antioxidant activity of Althaea officinalis L. root extracts. In: CENTRAL EUROPEAN JOURNAL OF BIOLOGY Volume: 9 Issue: 2 Pages: 182-188, WOS

2. [1.1] Ghavi, PP (Ghavi, Peyman Pakrokh): The extraction process optimization of antioxidant polysaccharides from Marshmallow (Althaea officinalis L.) roots. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 75 Pages: 51-57, WOS

ADCA128 CAPEK, Peter - KUBAČKOVÁ, M. - ALFOLDI, Juraj - BILISICS, Ladislav - LISKOVA, Desana - KÁKONIOVÁ, Daniela. Galactoglucomannan from the secondary cell wall of Picea abies L. Karst. In Carbohydrate Research, 2000, vol. 329, p. 635-645. (1.252 - IF1999). (2000 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Ishii, J (Ishii, Jun); Okazaki, F (Okazaki, Fumiyoshi); Djohan, AC (Djohan, Apridah Cameliawati); Hara, KY (Hara, Kiyotaka Y.); Asai-Nakashima, N (Asai-Nakashima, Nanami); Teramura, H (Teramura, Hiroshi); Andriani, A (Andriani, Ade); Tominaga, M (Tominaga, Masahiro); Wakai, S (Wakai, Satoshi); Kahar, P (Kahar, Prihardi); Yopi (Yopi); Prasetya, B (Prasetya, Bambang); Ogino, C (Ogino, Chiaki); Kondo, A (Kondo, Akihiko): From mannan to bioethanol: cell surface co-display of beta-mannanase and beta-mannosidase on yeast Saccharomyces cerevisiae. In. BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 188, WOS

2. [1.1] Krogell, J (Krogell, Jens); Eranen, K (Eranen, Kari); Pranovich, A (Pranovich, Andrey); Wilifor, S (Wilifor, Stefan): Utilizing active pH control for enhanced hot-water extraction of wood. In: NORDIC PULP & PAPER RESEARCH JOURNAL Volume: 31 Issue: 1 Pages: 4-13, WOS

3. [1.1] Rajani, J (Rajani, J.); Dastar, B (Dastar, B.); Samadi, F (Samadi, F.); Torshizi, MAK (Torshizi, M. A. Karimi); Abdulkhani, A (Abdulkhani, A.); Esfandyarpour, S (Esfandyarpour, S.): Effect of extracted galactoglucomannan oligosaccharides from pine wood (Pinus brutia) on Salmonella typhimurium colonisation, growth performance and intestinal morphology in broiler chicks. In: BRITISH POULTRY SCIENCE Volume: 57 Issue: 5 Pages: 682-692, WOS

4. [1.1] Yamabhai, M (Yamabhai, Montarop); Sak-Ubol, S (Sak-Ubol, Suttipong); Srila, W (Srila, Witsanu); Haltrich, D (Haltrich, Dietmar): Mannan biotechnology: from biofuels to health. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 1 Pages: 32-42, WOS

5. [1.1] Yu, L (Yu, Li); Xu, SQ (Xu, Shuqin); Deng, C (Deng, Chao); Li, H (Li, Hui); Yang, QS

(Yang, Qingsheng); Xu, ZH (Xu, Zhenghong); Chen, JH (Chen, Jinghua): Preparation and partial structural characterization of the exopolysaccharide from Bacillus mucilaginosus SM-01. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 217-223, WOS
6. [3.2] Nadulski, R (Nadulski, Rafal); Kobus, Z (Kobus, Zbigniew); Wilczynski, K (Wilczynski, Kamil); Zawislak, K (Zawislak, Kazimierz); Grochowicz, J (Grochowicz, Jozef); Guz, T (Guz, Tomasz): Green synthesis of silver nanoparticles using Coffea arabica seed extract and its antibacterial activityMATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 58 Pages: 36-43

ADCA129 CLAEYSSENS, M. - VANTILBEURGH, H. - KAMERLING, J.P. - BERG, J. - VRŠANSKÁ, Mária - BIELY, Peter. Studies of the cellulolytic system of the filamentous fungus Trichoderma reesei QM 9414 - substrate specificity and transfer activity of endoglucanase-I. In Biochemical Journal, 1990, vol.270, p. 251-256. ISSN 0264-6021.

Citácie:
1. [1.1] Song, XF (Song, Xiangfei); Zhang, SJ (Zhang, Shujun); Wang, YF (Wang, Yefei); Li, JW (Li, Jingwen); He, CY (He, Chunyan); Yao, LS (Yao, Lishan): A kinetic study of Trichoderma reesei Cel7B catalyzed cellulose hydrolysis. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 87-88 Pages: 9-16, WOS
2. [1.1] Wang, YF (Wang, Yefei); Song, XF (Song, Xiangfei); Zhang, SJ (Zhang, Shujun); Li, JW (Li, Jingwen); Shu, ZY (Shu, Zhiyu); He, CY (He, Chunyan); Huang, QS (Huang, Qingshan); Yao, LS (Yao, Lishan): Improving the activity of Trichoderma reesei cel7B through stabilizing the transition state. In: BIOTECHNOLOGY AND BIOENGINEERING Volume: 113 Issue: 6 Pages: 1171-1177, WOS
3. [1.1] Wang, YF (Wang, Yefei); Zhang, SJ (Zhang, Shujun); Song, XF (Song, Xiangfei); Yao, LS (Yao, Lishan). Cellulose Chain Binding Free Energy Drives the Processive Move of Cellulases on the Cellulose Surface. In:BIOTECHNOLOGY AND BIOENGINEERING Volume: 113 Issue: 9 Pages: 1873-1880, WOS

ADCA130 COLE, C.L. - HANSEN, S.U. - BARÁTH, Marek - RUSHTON, G. - GARDINER, J.M. - AVIZIENYTE, E. - JAYSON, G.C. Synthetic heparan sulfate oligosaccharides inhibit endothelial cell functions essential for angiogenesis. In PLoS ONE, 2010, vol. 5, art.no.e11644 (15pages.

Citácie:
1. [1.1] Cassinelli, G (Cassinelli, Giuliana); Favini, E (Favini, Enrica); Dal Bo, L (Dal Bo, Laura); Tortoreto, M (Tortoreto, Monica); De Maglie, M (De Maglie, Marcella); Dagrada, G (Dagrada, Gianpaolo); Pilotti, S (Pilotti, Silvana); Zunino, F (Zunino, Franco); Zaffaroni, N (Zaffaroni, Nadia); Lanzi, C (Lanzi, Cinzia): Antitumor efficacy of the heparan sulfate mimic roneparstat (SST0001) against sarcoma models involves multi-target inhibition of receptor tyrosine kinases. In: ONCOTARGET Volume: 7 Issue: 30 Pages: 47848-47863, WOS
2. [1.1] Castro, LSEPW (Will Castro, Luiza Sheyla Evenni P.); Castro, AJG (Gomes Castro, Allisson J.); Santos, MDN (Nascimento Santos, Marilia da S.); Pinheiro, TD (Pinheiro, Thuane de Sousa); Florentin, KD (Florentin, Kahena de Quevedo); Alves, LG (Alves, Luciana G.); Soriano, EM (Soriano, Eliane Marinho); Araujo, RM (Araujo, Renata Mendonca); Leite, EL (Leite, Edda Lisboa): Effect of galactofucan sulfate of a brown seaweed on induced hepatotoxicity in rats, sodium pentobarbital-induced sleep, and anti-inflammatory activity. In: JOURNAL OF APPLIED PHYCOLOGY Volume: 28 Issue: 3 Pages: 2005-2017, WOS
3. [1.1] Hayek, S (Hayek, Shady); Dibo, S (Dibo, Saad); Baroud, J (Baroud, Joe); Ibrahim, A (Ibrahim, Amir); Barritault, D (Barritault, Denis): Refractory sickle cell leg ulcer: is heparan sulphate a new hope? In: INTERNATIONAL WOUND JOURNAL Volume: 13 Issue: 1 Pages: 35-38, WOS
4. [1.1] Hayek, S (Hayek, Shady); Dibo, S (Dibo, Saad); Baroud, J (Baroud, Joe); Ibrahim, A (Ibrahim, Amir); Barritault, D (Barritault, Denis): Refractory sickle cell leg ulcer: is heparan sulphate a new hope?. In:, WOS
5. [1.1] Lim, DK (Lim, Dong-Kwon); Wylie, RG (Wylie, Ryan G.); Langer, R (Langer, Robert); Kohane, DS (Kohane, Daniel S.): Selective binding of C-6 OH sulfated hyaluronic acid to the angiogenic isoform of VEGF(165). In: BIOMATERIALS Volume: 77 Pages: 130-138, WOS
6. [1.1] Miura, Y (Miura, Yoshiko); Fukuda, T (Fukuda, Tomohiro); Seto, H (Seto, Hirokazu); Hoshino, Y (Hoshino, Yu): Development of glycosaminoglycan mimetics using glycopolymers. In: POLYMER JOURNAL Volume: 48 Issue: 3 Pages: 229-237, WOS
7. [1.1] Phowichit, S (Phowichit, Suwadee); Kobayashi, M (Kobayashi, Miho); Fujinoya, Y (Fujinoya, Yuriko); Sato, Y (Sato, Yasufumi); Sanphanya, K (Sanphanya, Kingkarn); Vajragupta, O (Vajragupta, Opa); Chularojmontri, L (Chularojmontri, Linda); Wattanapitayakul, SK (Wattanapitayakul, Suvara K.): Antiangiogenic Effects of VH02, a Novel Urea Derivative: In Vitro and in Vivo Studies. In: MOLECULES Volume: 21 Issue: 9 Article Number: 1258, WOS
8. [1.1] Roberts, JJ (Roberts, Justine J.); Farrugia, BL (Farrugia, Brooke L.); Green, RA (Green, Rylie A.); Rnjak-Kovacina, J (Rnjak-Kovacina, Jelena); Martens, PJ (Martens, Penny J.): In situ

formation of poly(vinyl alcohol)-heparin hydrogels for mild encapsulation and prolonged release of basic fibroblast growth factor and vascular endothelial growth factor. In: JOURNAL OF TISSUE ENGINEERING Volume: 7 Article Number: 2041731416677132, WOS
9. [1.2] Zulueta, M. M. L., Lin, S. Y., Hu, Y. P., & Hung, S. C. (2015). Synthesis of glycosaminoglycans. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 10, pp. 235-261), SCOPUS

ADCA131 COTÉ, G.L. - BIELY, Peter. Enzymatically produced cyclic alfa-1,3-linked and alfa-1,6-linked oligosaccharides of D-glucose. In European Journal of Biochemistry, 1994, vol.226, p. 641-648. ISSN 0014-2956.

Citácie:
1. [1.1] Tagami, T (Tagami, Takayoshi); Miyano, E (Miyano, Eri); Sadahiro, J (Sadahiro, Juri); Okuyama, M (Okuyama, Masayuki); Iwasaki, T (Iwasaki, Tomohito); Kimura, A (Kimura, Atsuo): Two Novel Glycoside Hydrolases Responsible for the Catabolism of Cyclobis-(1 -> 6)-alpha-nigerosyl. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 32 Pages: 16438-16447, WOS
2. [1.2] Light, S. H., Cahoon, L. A., Halavaty, A. S., Freitag, N. E., & Anderson, W. F. (2016). Structure to function of an α-glucan metabolic pathway that promotes listeria monocytogenes pathogenesis. Nature Microbiology, 2, SCOPUS
3. [1.2] Taniguchi, H. (2016). Linear and cyclic oligosaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, vol. 2, chapter 19, pp. 763-807), SCOPUS

ADCA132 CYBULSKA, Justyna - HALAJ, Michal - CEPÁK, Vladimír - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Nanostructure features of microalgae biopolymer. In Starch-Starke, 2016, vol. 68, p. 629-636. (1.523 - IF2015). (2016 - Current Contents). ISSN 0038-9056.

Citácie:
1. [1.1] Xiao, R (Xiao, Rui); Zheng, Y (Zheng, Yi): Overview of microalgal extracellular polymeric substances (EPS) and their applications. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1225-1244, WOS

ADCA133 ČERNÁKOVÁ, M. - KOCKOVÁ-KRATOCHVÍLOVÁ, A. - ŠUTÝ, L. - ZEMEK, Juraj - KUNIAK, Ľudovít. Biochemical similarities among strains of Aureobasidium pullulans (de Bary) Arnaud. In Folia Microbiologica, 1980, vol. 25, p. 68-73. ISSN 0015-5632.

Citácie:
1. [1.1] Sheng, L (Sheng, Long); Tong, QY (Tong, Qunyi); Ma, MH (Ma, Meihu): Why sucrose is the most suitable substrate for pullulan fermentation by Aureobasidium pullulans CGMCC1234?. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 92 Pages: 49-55, WOS

ADCA134 ČERTÍK, M. - BREIEROVÁ, Emília - JURŠÍKOVÁ, P. Effect of Cadmium on lipid composition of Aureobasidium pullulans grown with added extracellular polysaccharides. In International Biodeterioration & Biodegradation, 2005, vol. 55, p. 195-202. ISSN 0964-8305.

Citácie:
1. [1.1] Jha, AK (Jha, Anal K.); Prasad, K (Prasad, Kamal): Understanding Mechanism of Fungus Mediated Nanosynthesis: A Molecular Approach. In: ADVANCES AND APPLICATIONS THROUGH FUNGAL NANOBIOTECHNOLOGY Book Series Title: Fungal Biology-US Pages: 1-23, WOS
2. [1.1] Kim, JS (Kim, Jong-Shik); Lee, IK (Lee, In-Kyoung); Kim, DW (Kim, Dae-Won); Yung, BS (Yung, Bong-Sik): Aureosurfactin and 3-deoxyaureosurfactin, novel biosurfactants produced by Aureobasidium pullulans L3-GPY. In: JOURNAL OF ANTIBIOTICS Volume: 69 Issue: 10 Pages: 759-761, WOS
3. [1.1] Omoto, E (Omoto, Eiji); Iwasaki, Y (Iwasaki, Yugo); Miyake, H (Miyake, Hiroshi); Taniguchi, M (Taniguchi, Mitsutaka): Salinity induces membrane structure and lipid changes in maize mesophyll and bundle sheath chloroplasts. In. PHYSIOLOGIA PLANTARUM Volume: 157 Issue: 1 Pages: 13-23, WOS
4. [1.1] Slaba, M (Slaba, Miroslawa); Hrynkiewicz, K (Hrynkiewicz, Katarzyna); Gadd, GM (Gadd, Geoffrey M.): Heavy Metal Removal by Microbial Cells. In: MICROBIAL BIODEGRADATION: FROM OMICS TO FUNCTION AND APPLICATION Pages: 197-218, WOS

ADCA135 ČERTÍK, Milan - MASRNOVÁ, S. - SITKEY, V. - MINÁRIK, M. - BREIEROVÁ, Emília. Biotechnological production of astaxanthin. In Chemické Listy, 2005, vol. 99, p. s237-s240. (0.348 - IF2004). (2005 - Current Contents). ISSN 0009-2770.

Citácie:
1. [1.2] Mitra, A., & Zaman, S. (2016). In Basics of marine and estuarine ecology (Springer, pp. 1-481), SCOPUS

ADCA136 ČIPÁK, Ľuboš - MIADOKOVÁ, Eva - RAUKO, Peter - NOVOTNÝ, Ladislav - KOGAN, Grigorij - DINGOVÁ, Hana. Comparative DNA protectivity and antimutagenicity studies using DNA-topology and Ames assays. In Toxicology in vitro, 2001, vol. 15, p. 677-681. (2001 - Current Contents). ISSN

0887-2333.

Citácie:

1. [1.1] TODOROVA, Teodora - BARDAROV, Krum - MITEVA, Daniela - BARDAROV, Ventzislav - ATANASSOV, Atanas - CHANKOVA, Stephka. DNA-PROTECTIVE ACTIVITIES OF CLINOPODIUM VULGARE L. EXTRACTS. In COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES. ISSN 1310-1331, 2016, vol. 69, no. 8, pp. 1019., WOS

2. [1.1] Todorova, T (Todorova, Teodora); Bardarov, K (Bardarov, Krum); Miteva, D (Miteva, Daniela); Bardarov, V (Bardarov, Ventzislav); Atanassov, A (Atanassov, Atanas); Chankova, S (Chankova, Stephka). In: DNA-PROTECTIVE ACTIVITIES OF CLINOPODIUM VULGARE L. EXTRACTS. In: COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES Volume: 69 Issue: 8 Pages: 1019-1024, WOS

ADCA137 ČÍŽOVÁ, A. - SROKOVÁ, I. - SASINKOVÁ, Vlasta - MALOVÍKOVÁ, Anna - EBRINGEROVÁ, Anna. Carboxymethyl starch octenylsuccinate: Microwave- and ultrasound-assisted synthesis and properties. In Starch-Starke, 2008, vol. 60, p. 389-397. ISSN 0038-9056.

Citácie:

1. [1.1] Englert, C (Englert, Christoph); Schwenke, AM (Schwenke, Almut M.); Hoeppener, S (Hoeppener, Stephanie); Weber, C (Weber, Christine); Schubert, US (Schubert, Ulrich S.): Microwave-Assisted Polymer Modifications. In: MICROWAVE-ASSISTED POLYMER SYNTHESIS Book Series Title: Advances in Polymer Science Volume: 274 Pages: 209-240, WOS

2. [1.1] Lu, KY (Lu, Keyu); Miao, M (Miao, Ming); Ye, F (Ye, Fan); Cui, SW (Cui, Steve W.); Li, XF (Li, Xingfeng); Jiang, B (Jiang, Bo): Impact of dual-enzyme treatment on the octenylsuccinic anhydride esterification of soluble starch nanoparticle. In: CARBOHYDRATE POLYMERS Volume: 147 Pages: 392-400, WOS

3. [1.1] Shah, U (Shah, Umar); Naqash, F (Naqash, Farah); Gani, A (Gani, Adil); Masoodi, FA (Masoodi, F. A.): Art and Science behind Modified Starch Edible Films and Coatings: A Review. In: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY Volume: 15 Issue: 3 Pages: 568-580, WOS

4. [1.1] Srikaeo, K (Srikaeo, Khongsak): Starch: Introduction and Structure-Property Relationships. In. STARCH-BASED BLENDS, COMPOSITES AND NANOCOMPOSITES Book Series Title: RSC Green Chemistry Series Issue: 37 Pages: 17-59, WOS

5. [1.2] Bhatia, S. (2016). In Natural polymer drug delivery systems: Nanoparticles, plants, and algae (Springer, pp. 1-225), SCOPUS

ADCA138 ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Peter - BYSTRICKÝ, Slavomír. Ultrasonic and free-radical degradation of mannan from Candida albicans. In International Journal of Biological Macromolecules, 2015, vol. 75, p. 32-36. (2.858 - IF2014). (2015 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Wu, TT (Wu, Tiantian); Wu, CH (Wu, Chunhua); Xiang, YC (Xiang, Yingchun); Huang, JQ (Huang, Jiaqi); Luan, LL (Luan, Lanlan); Chen, SG (Chen, Shiguo); Hu, YQ (Hu, Yaqin): Kinetics and mechanism of degradation of chitosan by combining sonolysis with H2O2/ascorbic acid. In: RSC ADVANCES Volume: 6 Issue: 80, WOS

ADCA139 DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KASÁK, Peter - BERTÓK, Tomáš - TKÁČ, Ján. Sensitive detection and glycoprofiling of a prostate specific antigen using impedimetric assays. In Analyst, 2016, vol. 141, p. 1044-1051. (4.033 - IF2015). (2016 - Current Contents). ISSN 0003-2654.

Citácie:

1. [1.1] Damborsky, P (Damborsky, Pavel); Koczula, KM (Koczula, Katarzyna M.); Gallotta, A (Gallotta, Andrea); Katrlik, J (Katrlik, Jaroslav): Lectin-based lateral flow assay: proof-of-concept. In: ANALYST Volume: 141 Issue: 23 Pages: 6444-6448, WOS

2. [1.1] Damborsky, P (Damborsky, Pavel); Zamorova, M (Zamorova, Martina); Katrlik, J (Katrlik, Jaroslav): Determining the binding affinities of prostate-specific antigen to lectins: SPR and microarray approaches. In: PROTEOMICS Volume: 16 Issue: 24 Pages: 3096-3104, WOS

3. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS

ADCA140 DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - BELICKÝ, Štefan - BERTÓK, Tomáš - KASÁK, Peter - MUCHA, Ján - TKÁČ, Ján. Sweet characterisation of prostate specific antigen using electrochemical lectin-based immunosensor assay and MALDI TOF/TOF analysis: Focus on sialic acid. In Proteomics, 2016, vol. 16, p. 3085-3095. (4.079 - IF2015). (2016 - Current Contents). ISSN 1615-9853.

Citácie:

1. [1.1] Damborsky, P (Damborsky, Pavel); Koczula, KM (Koczula, Katarzyna M.); Gallotta, A (Gallotta, Andrea); Katrlik, J (Katrlik, Jaroslav): Lectin-based lateral flow assay: proof-of-concept. In: ANALYST Volume: 141 Issue: 23 Pages: 6444-6448, WOS

ADCA141 DAVIS, J.J. - TKÁČ, Ján - LAURENSON, S. - FERRIGNO, P.K. Peptide aptamers in labelfree protein detection: 1. Characterization of the immobilized scaffold. In Analytical Chemistry, 2007, vol. 79, p. 1089-1096. (5.646 - IF2006). (2007 - Current Contents). ISSN 0003-2700.

Citácie:

1. [1.1] Guo, X (Guo, Xuan); Ye, TT (Ye, Tingting); Liu, LY (Liu, Luying); Hu, XG (Hu, Xiaogang): Preparation and characterization of an aptamer-functionalized solid-phase microextraction fiber and its application in the selective monitoring of adenosine phosphates with liquid chromatography and tandem mass spectrometry. In: JOURNAL OF SEPARATION SCIENCE Volume: 39 Issue: 8 Pages: 1533-1541, WOS

2. [1.1] Xia, N (Xia, Ning); Wang, X (Wang, Xin); Liu, L (Liu, Lin): A Graphene Oxide-Based Fluorescent Method for the Detection of Human Chorionic Gonadotropin. In: SENSORS Volume: 16 Issue: 10 Article Number: 1699, WOS

ADCA142 DEFAYE, J. - GUILLOT, J.M. - BIELY, Peter - VRŠANSKÁ, Mária. Stereoselective thioglycoses synthesis. 14. Positional isomers of thioxylobiose, their synthesis and inducing ability for D-xylan-degrading enzymes in the yeast Cryptococcus albidus. In Carbohydrate Research, 1992, vol.228, p. 47-64. (1.299 - IF1991). ISSN 0008-6215.

Citácie:

1. [1.1] Azab, ME (Azab, Mohammed E.); Khalifa, NM (Khalifa, Nagy M.); Sediek, AA (Sediek, Ashraf A.); Sabry, NM (Sabry, Nermein M.); Al-Omar, MM (Al-Omar, Mohamed M.); Amr, AE (Amr, Abd El-Galil E.): Synthesis and Characterization of Some New N-Glycosides of Pyridine-2,6-bis-Carboxamides Derivatives. In: NUCLEOSIDES NUCLEOTIDES & NUCLEIC ACIDS Volume: 35 Issue: 9 Pages: 435-444, WOS

2. [1.1] Dilmaghani, KA (Dilmaghani, Karim Akbari); Pur, FN (Pur, Fazel Nasuhi); Pour, MM (Pour, Majid Mahammad); Nejad, JM (Nejad, Jafar Mahammad): Novel Oxadiazole Thioglycosides as Potential Anti-Acinetobacter Agents. In: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 15 Issue: 4 Pages: 777-782, WOS

ADCA143 DEMOVIČOVÁ, Lucia - HOBZA, Pavel - ŘEZÁČ, Jan. Evaluation of composite schemes for CCSDT(Q) calculations of interaction energies of noncovalent complexes. In Physical Chemistry Chemical Physics, 2014, vol. 16, p. 19115-19121. (4.198 - IF2013). (2014 - Current Contents). ISSN 1463-9076.

Citácie:

1. [1.1] Dubecky, M (Dubecky, Matus); Mitas, L (Mitas, Lubos); Jurecka, P (Jurecka, Petr): Noncovalent Interactions by Quantum Monte Carlo. In: CHEMICAL REVIEWS Volume: 116 Issue: 9 Special Issue: SI Pages: 5188-5215, WOS

2. [1.1] Richard, RM (Richard, Ryan M.); Marshall, MS (Marshall, Michael S.); Dolgounitcheva, O (Dolgounitcheva, O.); Ortiz, JV (Ortiz, J. V.); Bredas, JL (Bredas, Jean-Luc); Marom, N (Marom, Noa); Sherrill, CD (Sherrill, C. David): Accurate Ionization Potentials and Electron Affinities of Acceptor Molecules I. Reference Data at the CCSD(T) Complete Basis Set Limit. In: JOURNAL OF CHEMICAL THEORY AND COMPUTATION Volume: 12 Issue: 2 Pages: 595-604, WOS

ADCA144 DERGUNOVA, M.A. - ALEXEENKO, T.V. - ZHANAEVA, S.Y. - FILYUSHINA, E.E. - BUZUEVA, I.I. - KOLESNIKOVA, O.P. - KOGAN, Grigorij - KOROLENKO, T.A. Characterization of the novel chemically modified fungal polysaccharides as the macrophage stimulators. In International Immunopharmacology, 2009, vol. 9, p. 729-733.

Citácie:

1. [1.1] Abdel-Mohsen, AM (Abdel-Mohsen, A. M.); Jancar, J (Jancar, J.); Massoud, D (Massoud, D.); Fohlerova, Z (Fohlerova, Z.); Elhadidy, H (Elhadidy, H.); Spotz, Z (Spotz, Z.); Hebeish, A (Hebeish, A.): Novel chitin/chitosan-glucan wound dressing: Isolation, characterization, antibacterial activity and wound healing properties. In: INTERNATIONAL JOURNAL OF PHARMACEUTICS Volume: 510 Issue: 1 Pages: 86-99, WOS

2. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS

ADCA145 DESBOUIS, D. - STRUTHERS, H. - SPIWOK, Vojtech - KUSTER, T. - SCHIBLI, R. Synthesis, in vitro, and in silico evaluation of organometallic technetium and rhenium thymidine complexes with retained substrate activity toward human thymidine kinase type 1. In Journal of medicinal chemistry, 2008, vol. 51, p.6689-6698. ISSN 0022-2623.

Citácie:

1. [1.1] Duan, XJ (Duan, Xiaojiang); Liu, TL (Liu, Teli); Zhang, YC (Zhang, Yichun); Zhang, JB (Zhang, Junbo): Synthesis and Biological Evaluation of Novel Tc-99m(CO)(3)-Labeled Thymidine

Analogs as Potential Probes for Tumor Proliferation Imaging. In: MOLECULES Volume: 21 Issue: 4 Article Number: 510, WOS

ADCA146 DLAPA, Pavel - SIMKOVIC, Ivan jr. - DOERR, Stefan H. - ŠIMKOVIC, Ivan - KANKA, Róbert - MATAIX-SOLERA, Jorge. Application of thermal analysis to elucidate water-repellency changes in heated soils. In Soil Science Society American Journal, 2008, vol. 72, no. 1, p. 1-10. (2.104 - IF2007). (2008 - Current Contents). ISSN 0361-5995.

Citácie:

1. [1.1] KRISTL, Matjaz - MURSEC, Mateja - SUSTAR, Vilma - KRISTL, Janja. Application of thermogravimetric analysis for the evaluation of organic and inorganic carbon contents in agricultural soils. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2016, vol. 123, no. 3, p. 2 139-2 147, ISSN 1388-6150., WOS

2. [1.1] Kristl, M (Kristl, Matjaz); Mursec, M (Mursec, Mateja); Sustar, V (Sustar, Vilma); Kristl, J (Kristl, Janja): Application of thermogravimetric analysis for the evaluation of organic and inorganic carbon contents in agricultural soils. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 123 Issue: 3 Pages: 2139-2147, WOS

ADCA147 DOMÉNY, Z. - ŠMOGROVIČOVÁ, D. - GEMEINER, Peter - ŠTURDÍK, E. - PÁTKOVÁ, J. - MALOVÍKOVÁ, Anna. Continuous secondary fermentation using immobilized yeast. In Biotechnology Letters, 1998, vol. 20, p. 1041-1045. ISSN 0141-5492.

Citácie:

1. [1.1] Bekatorou, A (Bekatorou, Argyro); Plessas, S (Plessas, Stavros); Mallouchos, A (Mallouchos, Athanasios): Cell Immobilization Technologies for Applications in Alcoholic Beverages. In: HANDBOOK OF ENCAPSULATION AND CONTROLLED RELEASE Pages: 933-955, WOS

2. [3.1] Djordjević, V(Djordjević, Verica); Wilaert, R(Wilaert Ronnie); Gibson, B(Gibson,Brian); Nedović, V(Nedović, Viktor). (2016). Immobilized Yeast Cells and Secondary Metabolites. In Mérillon J.M, Ramawat K.G (eds.). Fungal Metabolites (Springer International Publishing, p. 1-40

ADCA148 DROBNICA, Ľudovít - GEMEINER, Peter. Kinetics of decomposition and dissociation constants of the S-esters of N-monosubstituted dithiocarbamic acids. In Collection of Czechoslovak Chemical Communications, 1975, vol. 40, p. 3346-3356. ISSN 0010-0765.

Citácie:

1. [3.1] Jeschke, V(Jeschke Verena) Gershenzon, J (Gershenzon Jonathan) Vassão, DG (Vassão Daniel Giddings). (2016). A mode of action of glucosinolate-derived isothiocyanates: Detoxification depletes glutathione and cysteine levels with ramifications on protein metabolism in Spodoptera littoralis. INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY, vol. 71, p. 37-48

ADCA149 DŘÍMALOVÁ, E. - VELEBNÝ, V. - SASINKOVÁ, Vlasta - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Degradation of hyaluronan by ultrasonication in comparison to microwave and conventional heating. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2005, vol. 61, s. 420-426. (1.710 - IF2004). (2005 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Bhatnagar, P (Bhatnagar, Priyanka); Pant, AB (Pant, Aditya Bhushan); Shukla, Y (Shukla, Yogeshwer); Panda, A (Panda, Amulya); Gupta, KC (Gupta, Kailash Chand): Hyaluronic acid grafted PLGA copolymer nanoparticles enhance the targeted delivery of Bromelain in Ehrlich's Ascites Carcinoma. In: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS Volume: 105 Pages: 176-192, WOS

2. [1.1] Lv, MX (Lv, Mengxian); Wang, M (Wang, Miao); Cai, WW (Cai, Weiwei); Hao, WX (Hao, Wenxing); Yuan, PH (Yuan, Panhong); Kang, Z (Kang, Zhen): Characterisation of separated end hyaluronan oligosaccharides from leech hyaluronidase and evaluation of angiogenesis. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 309-316, WOS

3. [1.1] Simulescu, V (Simulescu, Vasile); Kalina, M (Kalina, Michal); Mondek, J (Mondek, Jakub); Pekar, M (Pekar, Miloslav): Long-term degradation study of hyaluronic acid in aqueous solutions without protection against microorganisms.In: CARBOHYDRATE POLYMERS Volume: 137 Pages: 664-668, WOS

ADCA150 DUDÍKOVÁ, Jana - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - KOLAROVA, Nadežda. Exploration of transfructosylation activity in cell walls from Cryptococcus laurentii for production of functionalised beta-D-fructofuranosides. In Journal of Molecular Catalysis B - Enzymatic, 2007, vol. 45, p. 27-33. ISSN 1381-1177.

Citácie:

1. [1.1] Sheng, L (Sheng, Long); Tong, QY (Tong, Qunyi); Ma, MH (Ma, Meihu): Why sucrose is the most suitable substrate for pullulan fermentation by Aureobasidium pullulans CGMCC1234?. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 92 Pages: 49-55, WOS

ADCA151 ĎURANA, Richard - LACÍK, Igor - PAULOVIČOVÁ, Ema - BYSTRICKÝ, Slavomír.

Functionalization of mannans from pathogenic yeasts by different means of oxidations-preparation of precursors for conjugation reactions with respect to preservation of immunological properties. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2006, vol. 63, no. 1, p. 72 - 81. (1.583 - IF2005). (2006 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] MANZANO, A.I. - CANADA, F.J. - CASES, B. - SIRVENT, S. - SORIA, I. - PALOMARES, O. - FERNANDEZ-CALDAS, E. - CASANOVAS, M. - JIMENEZ-BARBERO, J. - SUBIZA, J.L. Structural studies of novel glycoconjugates from polymerized allergens (allergoids) and mannans as allergy vaccines. In GLYCOCONJUGATE JOURNAL. ISSN 0282-0080, FEB 2016, vol. 33, no. 1, p. 93-101., WOS

ADCA152 ĎURANOVÁ, Miroslava, Křupalová - ŠPÁNIKOVÁ, Silvia - WOSTEN, Han A.B. - BIELY, Peter - DE VRIES, Ronald P. Two glucuronoyl esterases of Phanerochaete chrysosporium. Han A.B. Wosten, Peter Biely, Ronald P de Vries. In Archives of Microbiology, 2009, vol.191, pp.133-140. (1.975 - IF2008). (2009 - Current Contents). ISSN 0302-8933.

Citácie:

1. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

3. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

4. [1.1] Lopez, SC (Lopez, Sara Casado); Sietio, OM (Sietio, Outi-Maaria); Hilden, K (Hilden, Kristiina); de Vries, RP (de Vries, Ronald P.); Makela, MR (Makela, Miia R.): Homologous and Heterologous Expression of Basidiomycete Genes Related to Plant Biomass Degradation. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 119-160, WOS

5. [1.1] Zhu, N (Zhu, Ning); Liu, JW (Liu, Jiawen); Yang, JS (Yang, Jinshui); Lin, YJ (Lin, Yujian); Yang, Y (Yang, Yi); Ji, L (Ji, Lei); Li, M (Li, Meng); Yuan, HL (Yuan, Hongli): Comparative analysis of the secretomes of Schizophyllum commune and other wood-decay basidiomycetes during solid-state fermentation reveals its unique lignocellulose-degrading enzyme system. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 42, WOS

6. [1.2] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS

ADCA153 ĎURANOVÁ, Miroslava, Křupalová - HIRSCH, Ján - ŠUCHOVÁ, Katarína, Kolenová - BIELY, Peter. Fungal Glucuronoyl Esterases and Substrate Uronic Acid Recognition. Katarína Kolenová, Peter Biely. In Bioscience Biotechnology and Biochemistry, 2009, vol.73, no.11, pp.2483-2487.

Citácie:

1. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

3. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

ADCA154 DURUKSU, Gokhan - OZTURK, Bengu - BIELY, Peter - BAKIR, Ufuk - OGEL, Zumrut B. Cloning, Expression and Characterization of Endo-beta-1,4-Mannanase from Aspergillus fumigatus in Aspergillus sojae and Pichia pastoris. Peter Biely, Ufuk Bakir, Zumrut B Ogel. In Biotechnol. Prog., 2009, vol.25, no. 1, pp.271-276.

Citácie:

1. [1.1] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS
2. [1.1] Ergun, BG (Ergun, Burcu Gunduz); Calik, P (Calik, Pinar): Lignocellulose degrading extremozymes produced by Pichia pastoris: current status and future prospects. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 1 Pages: 1-36, WOS
3. [1.1] Katsimpouras, C (Katsimpouras, Constantinos); Dimarogona, M (Dimarogona, Maria); Petropoulos, P (Petropoulos, Pericles); Christakopoulos, P (Christakopoulos, Paul); Topakas, E (Topakas, Evangelos): A thermostable GH26 endo-beta-mannanase from Myceliophthora thermophila capable of enhancing lignocellulose degradation. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 19 Pages: 8385-8397, WOS
4. [1.1] Wang, CH (Wang, Caihong); Zhang, JK (Zhang, Jiankang); Wang, Y (Wang, Yuan); Niu, CF (Niu, Canfang); Ma, R (Ma, Rui); Wang, YR (Wang, Yaru); Bai, YG (Bai, Yingguo); Luo, HY (Luo, Huiying); Yao, B (Yao, Bin): Biochemical characterization of an acidophilic beta-mannanase from Gloeophyllum trabeum CBS900.73 with significant transglycosylation activity and feed digesting ability. In: FOOD CHEMISTRY Volume: 197 Pages: 474-481, WOS
5. [1.1] Yatmaz, E (Yatmaz, Ercan); Karahalil, E (Karahalil, Ercan); Germec, M (Germec, Mustafa); Ilgin, M (Ilgin, Merve); Turhan, I (Turhan, Irfan): Controlling filamentous fungi morphology with microparticles to enhanced beta-mannanase production. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 9 Pages: 1391-1399, WOS
6. [1.1] Zou, Yexia; Lin, Jinzhong; Bu, Xuemei; Jiang, Lulu; Chen, Zhengjun; Ge, Xiangyang: Characterization of beta-1, 4-mannanase from Bacillus pumilus and heterologous expression in Lactobacillus casei. In: Weishengwu Xuebao Volume: 55 Issue: 12 Pages: 1576-1583, WOS

ADCA155 DZIGIEL, P. - REEVE, T.B. - PIARULLI, U. - KRUPIČKA, M. - TVAROŠKA, Igor - GENNARI, C. Resolution of racemic N-benzyl alfa-amino acids by liquid-liquid extraction: a practical method using a lipophilic chiral cobalt(III) salen complex and mechanistic studies. In European Journal of Organic Chemistry, 2008, p. 1253-1264.

Citácie:

1. [1.1] Guyon, C (Guyon, Carole); Duclos, MC (Duclos, Marie-Christine); Metay, E (Metay, Estelle); Lemaire, M (Lemaire, Marc): Reductive N-methylation of amines with calcium hydride and Pd/C catalyst. In: TETRAHEDRON LETTERS Volume: 57 Issue: 27-28 Pages: 3002-3005, WOS
2. [1.1] Hatazawa, M (Hatazawa, Masahiro); Nakabayashi, K (Nakabayashi, Koji); Ohkoshi, S (Ohkoshi, Shin-ichi); Nozaki, K (Nozaki, Kyoko): In Situ Generation of Co-III-Salen Complexes for Copolymerization of Propylene Oxide and CO2. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 38 Pages: 13677-13681, WOS
3. [1.1] Rose, P (Roese, Philipp); Hilt, G (Hilt, Gerhard): Cobalt-Catalysed Bond Formation Reactions; Part 2. In: SYNTHESIS-STUTTGART Volume: 48 Issue: 4 Pages: 463-492, WOS

ADCA156 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka. An overview on the application of ultrasound in extraction, separation and purification of plant polysaccharides. In Central European Journal of Chemistry, 2010, vol. 8, no. 2, p. 243-257. (1.065 - IF2009). (2010 - Current Contents). ISSN 1895-1066.

Citácie:

1. [1.1] Holkar, CR (Holkar, Chandrakant R.); Jadhav, AJ (Jadhav, Ananda J.); Bhavsar, PS (Bhavsar, Parag S.); Kannan, S (Kannan, Shweta); Pinjari, DV (Pinjari, Dipak V.); Pandit, AB (Pandit, Aniruddha B.): Acoustic Cavitation Assisted Alkaline Hydrolysis of Wool Based Keratins To Produce Organic Amendment Fertilizers. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 5 Pages: 2789-2796, WOS
2. [1.1] Tsalagkas, D (Tsalagkas, Dimitrios); Lagana, R (Lagana, Rastislav); Poljansek, I (Poljansek, Ida); Oven, P (Oven, Primoz); Csoka, L (Csoka, Levente): Fabrication of bacterial cellulose thin films self-assembled from sonochemically prepared nanofibrils and its characterization. In: ULTRASONICS SONOCHEMISTRY Volume: 28 Pages: 136-143, WOS
3. [1.2] Alzorqi, I., & Manickam, S. (2016). Ultrasonic process intensification for the efficient extraction of nutritionally active ingredients of polysaccharides from bioresources. In Handbook of ultrasonics and sonochemistry (Springer, pp. 1271-1286), SCOPUS
4. [1.2] Maran, J. P., & Priya, B. (2016). Multivariate statistical analysis and optimization of ultrasound-assisted extraction of natural pigments from waste red beet stalks. Journal of Food Science and Technology, 53(1), 792-799, SCOPUS

ADCA157 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - HŘÍBALOVÁ, V. Structure and mitogenic activities of corn cob heteroxylans. In International Journal of Biological Macromolecules, 1995, vol. 17, p. 327-331. ISSN 0141-8130.

Citácie:

1. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS
2. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip):Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
3. [1.1] do Nascimento, GE (do Nascimento, Georgia Erdmann); Baggio, CH (Baggio, Cristiane H.); Werner, MFD (de Paula Werner, Maria Fernanda); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Arabinoxylan from Mucilage of Tomatoes (Solanum lycopersicum L.): Structure and Antinociceptive Effect in Mouse Models. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 6 Pages: 1239-1244, WOS

ADCA158 EBRINGEROVÁ, Anna - KARDOŠOVÁ, Alžbeta - HROMÁDKOVÁ, Zdenka - MALOVÍKOVÁ, Anna - HŘÍBALOVÁ, V. Immunomodulatory activity of acidic xylans in relation to their structural and molecular properties. In International Journal of Biological Macromolecules, 2002, vol. 30, p. 1-6. ISSN 0141-8130.

Citácie:

1. [1.1] Gao, CD (Gao, Cundian); Ren, JL (Ren, Junli); Zhao, C (Zhao, Cui); Kong, WQ (Kong, Weiqing); Dai, QQ (Dai, Qingqing); Chen, QF (Chen, Qifeng); Liu, CF (Liu, Chuanfu); Sun, RC (Sun, Runcang): Xylan-based temperature/pH sensitive hydrogels for drug controlled release. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 189-197, WOS
2. [1.1] Qian, SQ (Qian, Shi-Quan); Zhou, LF (Zhou, Lan-Feng); Shi, YZ (Shi, Ya-Zhong); Wu, YH (Wu, Ya-Hua); Xu, H (Xu, Hui); Lu, ZX (Lu, Zhao-Xin): SODIUM HYDROXIDE-INDUCED PROCESS FOR EFFICIENT XYLAN EXTRACION FROM CORN STRAWS. In: CURRENT TOPICS IN NUTRACEUTICAL RESEARCH Volume: 14 Issue: 1 Pages: 73-80, WOS
3. [1.1] Sun, X., Zhou, R., Wang, L., Wang, Y., & Feng, Y. (2016). Preparation and properties of xylan/multi-walled carbon nanotubes composite hydrogels. Gaofenzi Cailiao Kexue Yu Gongcheng/Polymeric Materials Science and Engineering, 32(8), 155-161 and 170, SCOPUS
4. [1.1] Wei, LS (Wei, Lusha); Rhee, MS (Rhee, Mun Su); Preston, JF (Preston, James F.); Chen, H (Chen, Hui): Production of acidic xylooligosaccharides from methylglucuronoarabinoxylans by Bacillus subtilis strain MR44. In: JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY Volume: 91 Issue: 7 Pages: 2056-2062, WOS

ADCA159 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - PETRÁKOVÁ, Eva - HRICOVÍNI, Miloš. Structural features of a water-soluble L-arabino-D-xylan from rye bran. In Carbohydrate Research, 1990, vol. 198, p. 57-66. (1990 - Current Contents, SCOPUS). ISSN 0008-6215.

Citácie:

1. [1.1] Doring, C (Doering, Clemens); Jekle, M (Jekle, Mario); Becker, T (Becker, Thomas): Technological and Analytical Methods for Arabinoxylan Quantification from Cereals. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Issue: 6 Pages: 999-1011, WOS
2. [1.1] Ravn, JL (Ravn, Jonas Laukkonen); Martens, HJ (Martens, Helle Juel); Pettersson, D (Pettersson, Dan); Pedersen, NR (Pedersen, Ninfa Rangel): A commercial GH 11 xylanase mediates xylan solubilisation and degradation in wheat, rye and barley as demonstrated by microscopy techniques and wet chemistry methods. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 219 Pages: 216-225, WOS
3. [1.1] do Nascimento, GE (do Nascimento, Georgia Erdmann); Baggio, CH (Baggio, Cristiane H.); Werner, MFD (de Paula Werner, Maria Fernanda); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Arabinoxylan from Mucilage of Tomatoes (Solanum lycopersicum L.): Structure and Antinociceptive Effect in Mouse Models. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 6 Pages: 1239-1244 D, WOS
4. [1.2] Madeira, J. V., Contesini, F. J., Calzado, F., Rubio, M. V., Zubieta, M. P., Lopes, D. B., & de Melo, R. R. (2016). Agro-industrial residues and microbial enzymes: An overview on the eco-friendly bioconversion into high value-added products. In Biotechnology of microbial enzymes: Production, biocatalysis and industrial applications (Academic Press, chapter 18, pp. 475-511), SCOPUS

ADCA160 EBRINGEROVÁ, Anna - KARDOŠOVÁ, Alžbeta - HROMÁDKOVÁ, Zdenka - HŘÍBALOVÁ, V. Mitogenic and comitogenic activities of polysaccharides from some European herbaceous plants. In Fitoterapia, 2003, vol. 74, p. 52-61. ISSN 0367-326X.

Citácie:

1. [1.2] Sudhakar, K., Reddy, N. N., Rao, K. M., Moloi, S. J., Reddy, A. B., & Sadiku, E. R. (2016). Polyethylene/Hemicellulose-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 5, pp. 167-200), SCOPUS

ADCA161 EBRINGEROVÁ, Anna - HROMADKOVÁ, Zdena - KAČURÁKOVÁ, Marta - ANTAL, Miroslav. Quaternized xylans - synthesis and structural characterization. In Carbohydrate Polymers, 1994, vol. 24, no. 4, p. 301-308. ISSN 0144-8617.

Citácie:

1. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In. CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS

2. [1.1] Chintakunta, R (Chintakunta, Ramesh); Buaron, N (Buaron, Nitsa); Kahn, N (Kahn, Nicole); Moriah, A (Moriah, Amana); Lifshiz, R (Lifshiz, Rinat); Goldbart, R (Goldbart, Riki); Traitel, T (Traitel, Tamar); Tyler, B (Tyler, Betty); Brem, H (Brem, Henry); Kost, J (Kost, Joseph): Synthesis, characterization, and self-assembly with plasmid DNA of a quaternary ammonium derivative of pectic galactan and its fluorescent labeling for bioimaging applications. In: CARBOHYDRATE POLYMERS Volume: 150 Pages: 308-318, WOS

3. [1.1] Cizova, A (Cizova, Alzbeta); Nescakova, Z (Nescakova, Zuzana); Malovikova, A (Malovikova, Anna); Bystricky, S (Bystricky, Slavomir): Preparation and characterization of cationic and amphoteric mannans from Candida albicans. In: CARBOHYDRATE POLYMERS Volume: 149 Pages: 1-7, WOS

4. [1.1] Khosravi, M (Khosravi, M.); Dastar, B (Dastar, B.); Aalami, M (Aalami, M.); Shawrang, P (Shawrang, P.); Ashayerizadeh, O (Ashayerizadeh, O.): Comparison of gamma-Irradiation and enzyme supplementation to eliminate antinutritional factors in rice bran in broiler chicken diets. In: LIVESTOCK SCIENCE Volume: 191 Pages: 51-56, WOS

5. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In. HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS

6. [1.1] Pranovich, A (Pranovich, Andrey); Holmbom, B (Holmbom, Bjarne); Willfor, S (Willfor, Stefan): TWO-STAGE HOT-WATER EXTRACTION OF GALACTOGLUCOMANNANS FROM SPRUCE WOOD. In: JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY Volume: 36 Issue: 2 Pages: 140-156, WOS

7. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS

8. [1.2] Kurrataa'yun, Yopi; Meryandini, A. N. J. A. (2015). Characterization of xylanase activity produced by paenibacillus sp. XJ18 from TNBD jambi, indonesia. HAYATI Journal of Biosciences, 22(1), 20-26, SCOPUS

ADCA162 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - HŘÍBALOVÁ, V. - XU, C. - HOLMBOM, B. - SUNDBERG, A. - WILLFOR, S. Norway spruce galactoglucomannans exhibiting immunomodulating and radical-scavenging activities. In International Journal of Biological Macromolecules, 2008, vol. 42, p. 1-5. (1.578 - IF2007). (2008 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Kamarudin, F (Kamarudin, Fazlina); Gan, CY (Gan, Chee-Yuen): Molecular structure, chemical properties and biological activities of Pinto bean pod polysaccharide. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 88 Pages: 280-287, WOS

2. [1.1] Lloyd, JA (Lloyd, John A.); Murton, KD (Murton, Karl D.): Preparation of prehydrolysis-TMPs with different severity factors and analysis of the pulps and byproducts. In: HOLZFORSCHUNG Volume: 70 Issue: 11 Pages: 1003-1013, WOS

3. [1.1] Sauperl, O (Sauperl, Olivera); Doliska, A (Doliska, Ales); Hadela, A (Hadela, Ajra); Strnad, S (Strnad, Simona): Functionalization of polyethyleneterephthalate fibers using galactoglucomannan from spruce wood. In: TEXTILE RESEARCH JOURNAL Volume: 86 Issue: 2 Pages: 202-209, WOS

4. [1.2] Jönsson, A. S. (2016). Membranes for lignin and hemicellulose recovery in pulp mills. In Membrane technologies for biorefining (Elsevier, chapter 5, pp. 105-133), SCOPUS

5. [1.2] Zulyadi, N. H., Saleh, S. H., & Sarijo, S. H. (2016). Fractionation of hemicellulose from rice straw by alkaline extraction and ethanol precipitation. [Pemisahan hemiselulosa daripada hampas batang padi melalui pengekstrakan beralkali dan pemendakan etanol] Malaysian Journal of Analytical Sciences, 20(2), 329-334, SCOPUS

ADCA163 EBRINGEROVÁ, Anna - KRAMÁR, A. Uronic acids from hornbeam wood (Carpinus betulus L.). In Cellulose Chemistry and Technology, 1968, vol. 2., p. 67-74. ISSN 0576-9787.

Citácie:

1. [1.1] Vinnitskiy, DZ (Vinnitskiy, D. Z.); Ustyuzhanina, NE (Ustyuzhanina, N. E.); Nifantiev, NE (Nifantiev, N. E.): Natural bacterial and plant biomolecules bearing alpha-D-glucuronic acid residues. In: RUSSIAN CHEMICAL BULLETIN Volume: 64 Issue: 6 Pages: 1273-1301, WOS

ADCA164 EBRINGEROVÁ, Anna - KRAMÁR, A. - RENDOŠ, F. - DOMANSKÝ, R.. Stepwise extraction of

hemicellulose from wood of white beech (Carpinus betulus). In Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 1967, vol. 21, pp. 74-77. ISSN 0018-3830.

Citácie:

1. [1.1] Biely, P (Biely, Peter); Singh, S (Singh, Suren); Puchart, V (Puchart, Vladimir): Towards enzymatic breakdown of complex plant xylan structures: State of the art. In. BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1260-1274, WOS

ADCA165 EBRINGEROVÁ, Anna - SROKOVÁ, Iva - TALÁBA, P. - KAČURÁKOVÁ, Marta - HROMÁDKOVÁ, Zdenka. Amphiphilic beechwood glucuronoxylan derivatives. In Journal of Applied Polymer Science, 1998, vol. 67, p. 1523-1530. (0.841 - IF1997). (1998 - Current Contents). ISSN 0021-8995.

Citácie:

1. [1.1] Nypelo, T (Nypeloe, Tlina); Laine, C (Laine, Christiane); Aoki, M (Aoki, Masaaki); Tammelin, T (Tammelin, Tekla); Henniges, U (Henniges, Ute): Etherification of Wood-Based Hemicelluloses for Interfacial Activity. In: BIOMACROMOLECULES Volume: 17 Issue: 5 Pages: 1894-1901, WOS

2. [1.1] Zeng, YN (Zeng, Yining); Yarbrough, JM (Yarbrough, John M.); Mittal, A (Mittal, Ashutosh); Tucker, MP (Tucker, Melvin P.); Vinzant, TB (Vinzant, Todd B.); Decker, SR (Decker, Stephen R.); Himmel, ME (Himmel, Michael E.): In situ label-free imaging of hemicellulose in plant cell walls using stimulated Raman scattering microscopy. In: Biotechnology for Biofuels Volume: 9 Article Number: 256, WOS

ADCA166 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka. The effect of ultrasound on the structure and properties of the water-soluble corn hull heteroxylan. In Ultrasonics Sonochemistry, 1997, vol. 4, p.305-309. (1.373 - IF1996). (1997 - Current Contents). ISSN 1350-4177.

Citácie:

1. [1.1] Alajlouni, AM (Alajlouni, Abdalmajeed M.); Al-Malahmeh, AJ (Al-Malahmeh, Amer J.); Isnaeni, FN (Isnaeni, Farida Nur); Wesseling, S (Wesseling, Sebastiaan); Vervoort, J (Vervoort, Jacques); Rietjens, IMCM (Rietjens, Ivonne M. C. M.): Level of Alkenylbenzenes in Parsley and Dill Based Teas and Associated Risk Assessment Using the Margin of Exposure Approach. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 45 Pages: 8640-8646, WOS

2. [1.1] Chen, Y (Chen, Yun); Yao, FK (Yao, Fangke); Ming, K (Ming, Ke); Wang, DY (Wang, Deyun); Hu, YL (Hu, Yuanliang); Liu, JG (Liu, Jiaguo): Polysaccharides from Traditional Chinese Medicines: Extraction, Purification, Modification, and Biological Activity. In: MOLECULES Volume: 21 Issue: 12 Article Number: 1705, WOS

3. [1.1] Du, B (Du, Bin); Zeng, HS (Zeng, Huansong); Yang, YD (Yang, Yuedong); Bian, ZX (Bian, Zhaoxiang); Xu, BJ (Xu, Baojun): Anti-inflammatory activity of polysaccharide from Schizophyllum commune as affected by ultrasonication. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 100-105, WOS

4. [1.1] Jacotet-Navarro, M (Jacotet-Navarro, M.); Rombaut, N (Rombaut, N.); Deslis, S (Deslis, S.); Fabiano-Tixier, AS (Fabiano-Tixier, A. -S.); Pierre, FX (Pierre, F. -X.); Bily, A (Bily, A.); Chemat, F (Chemat, F.): Towards a "dry" bio-refinery without solvents or added water using microwaves and ultrasound for total valorization of fruit and vegetable by-products. In: GREEN CHEMISTRY Volume: 18 Issue: 10 Pages: 3106-3115, WOS

5. [1.1] Ma, TT (Ma, Tingting); Sun, XY (Sun, Xiangyu); Tian, CR (Tian, Chengrui); Luo, JY (Luo, Jiyang); Zheng, CP (Zheng, Cuiping); Zhan, JC (Zhan, Jicheng): Ma, TT (Ma, Tingting); Sun, XY (Sun, Xiangyu); Tian, CR (Tian, Chengrui); Luo, JY (Luo, Jiyang); Zheng, CP (Zheng, Cuiping); Zhan, JC (Zhan, Jicheng): Polysaccharide extraction from Sphallerocarpus gracilis roots by response surface methodology. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 88 Pages: 162-170, WOS

6. [1.2] Köhn, C. R., Almeida, J. C., Schmidt, M. M., Vidal, A. R., Kempka, A. P., Demiate, I. M., Rosa, C. S., Kubota, E. H., Mello, R. O., Prestes, R. C. (2016). Evaluation of water absorption capacity of ingredients and additives used in the meat industry submitted to different saline concentrations and ultrasound. International Food Research Journal, 23(2), 653-659, SCOPUS

ADCA167 EBRINGEROVÁ, Anna. Structural diversity and application potential of hemicelluloses. In Macromolecular Symposia, 2006, vol. 232, p. 1-12. (0.913 - IF2005). ISSN 1022-1360.

Citácie:

1. [1.1] Bayati, F (Bayati, Fatemeh); Boluk, Y (Boluk, Yaman); Choi, P (Choi, Phillip): A SHORT REVIEW OF USING WOOD FIBRES IN FOOD PACKAGING. In: J-FOR-JOURNAL OF SCIENCE & TECHNOLOGY FOR FOREST PRODUCTS AND PROCESSES Volume: 5 Issue: 4 Special Issue: SI Pages: 45-53, WOS

2. [1.1] Duan, R (Duan, Ran); Westerlind, BS (Westerlind, Bo S.); Norgren, M (Norgren, Magnus); Anugwom, I (Anugwom, Ikenna); Virtanen, P (Virtanen, Pasi); Mikkola, JP (Mikkola,

Jyri-Pekka): Fibre Stress-Strain Response of High-Temperature Chemi-Thermomechanical Pulp Treated with Switchable Ionic Liquids. In: : BIORESOURCES Volume: 11 Issue: 4 Pages: 8570-8588, WOS
3. [1.1] Heikkinen, S (Heikkinen, Susanna); Jacquemin, L (Jacquemin, Leslie); Rouilly, A (Rouilly, Antoine); Sablayrolles, C (Sablayrolles, Caroline); Tenkanen, M (Tenkanen, Maija); Pontalier, PY (Pontalier, Pierre-Yves): Comparison of two wheat bran extracts in the sheet extrusion process. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 91 Pages: 1-5, WOS
4. [1.1] Jiang, FX (Jiang, Faxian); Zhou, X (Zhou, Xin); Xu, Y (Xu, Yong); Zhu, JJ (Zhu, Junjun); Yu, SY (Yu, Shiyuan): DEGRADATION PROFILES OF NON-LIGNIN CONSTITUENTS OF CORN STOVER FROM DILUTE SULFURIC ACID PRETREATMENT. In: JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY Volume: 36 Issue: 3 Pages: 192-204, WOS
5. [1.1] Lai, LW (Lai, Long Wee); Ibrahim, M (Ibrahim, Marini); Rahim, NM (Rahim, Nasrudin Md); Hashim, EF (Hashim, Emi Fazlina); Ya'cob, MZ (Ya'cob, Mohd Zaini); Idris, A (Idris, Ani); Akhtar, J (Akhtar, Junaid): STUDY ON COMPOSITION, STRUCTURAL AND PROPERTY CHANGES OF OIL PALM FROND BIOMASS UNDER DIFFERENT PRETREATMENTS. In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 9-10 Pages: 951-959, WOS
6. [1.1] Lorenz, D (Lorenz, Dominic); Erasmy, N (Erasmy, Nicole); Akil, Y (Akil, Youssef); Saake, B (Saake, Bodo): A new method for the quantification of monosaccharides, uronic acids and oligosaccharides in partially hydrolyzed xylans by HPAEC-UV/VIS. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 181-187, WOS
7. [1.1] Maleki, L (Maleki, Laleh); Edlund, U (Edlund, Ulrica); Albertsson, AC (Albertsson, Ann-Christine): Green Semi-IPN Hydrogels by Direct Utilization of Crude Wood Hydrolysates. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 8 Pages: 4370-4377, WOS
8. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
9. [1.1] von Freiesleben, P (von Freiesleben, Pernille); Spodsberg, N (Spodsberg, Nikolaj); Blicher, TH (Blicher, Thomas Holberg); Anderson, L (Anderson, Lars); Jorgensen, H (Jorgensen, Henning); Stalbrand, H (Stalbrand, Henrik); Meyer, AS (Meyer, Anne S.); Krogh, KBRM (Krogh, Kristian B. R. M.): An Aspergillus nidulans GH26 endo-beta-mannanase with a novel degradation pattern on highly substituted galactomannans. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 83 Pages: 68-77, WOS
10. [1.2] Betoret, E., Calabuig-Jiménez, L., Betoret, N., Barrera, C., Segui, L., & Fito, P. (2016). Sustainable innovation in food science and engineering. In Innovation strategies in the food industry: Tools for implementation (Elsevier, chapter 8, pp. 149-165), SCOPUS
11. [1.2] Geng, W., Venditti, R. A., & Pawlak, J. J. (2016). The effects of delignification on hemicellulose extraction from switchgrass, pine and poplar. Paper presented at the Pulping, Engineering, Environmental, Recycling, Sustainability Conference 2016, PEERS 2016, 2, 787-795, SCOPUS
12. [1.2] Sudhakar, K., Reddy, N. N., Rao, K. M., Moloi, S. J., Reddy, A. B., & Sadiku, E. R. (2016). Polyethylene/Hemicellulose-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 5, pp. 167-200), SCOPUS

ADCA168 EBRINGEROVÁ, Anna - HEINZE, T. Xylan and xylan derivatives - biopolymers with valuable properties, 1 - Naturally occurring xylans structures, procedures and properties. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2000, vol. 21, s. 542-556. (0.987 - IF1999). (2000 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Ahmad, W (Ahmad, Waqar); Kuitunen, S (Kuitunen, Susanna); Borrega, M (Borrega, Marc); Alopaeus, V (Alopaeus, Ville): INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 55 Issue: 42 Pages: 11062-11073 ., WOS
2. [1.1] Akil, Y (Akil, Youssef); Lehnen, R (Lehnen, Ralph); Saake, B (Saake, Bodo):Novel synthesis of hydroxyvinylethyl xylan using 4-vinyl-1, 3-dioxolan-2-one. In: TETRAHEDRON LETTERS Volume: 57 Issue: 37 Pages: 4200-4202, WOS
3. [1.1] Akil, Y (Akil, Youssef); Lorenz, D (Lorenz, Dominic); Lehnen, R (Lehnen, Ralph); Saake, B (Saake, Bodo): Safe and non-toxic hydroxyalkylation of xylan using propylene carbonate. In: EUROPEAN POLYMER JOURNAL Volume: 77 Pages: 88-97, WOS
4. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In: CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS
5. [1.1] Bouraoui, H (Bouraoui, Hanen); Desrousseaux, ML (Desrousseaux, Marie-Laure); Ioannou, E (Ioannou, Eleni); Alvira, P (Alvira, Pablo); Manai, M (Manai, Mohamed); Remond, C

(Remond, Caroline); Dumon, C (Dumon, Claire); Fernandez-Fuentes, N (Fernandez-Fuentes, Narcis); O'Donohue, MJ (O'Donohue, Michael J.): The GH51 alpha-L-arabinofuranosidase from Paenibacillus sp THS1 is multifunctional, hydrolyzing main-chain and side-chain glycosidic bonds in heteroxylans. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 140, WOS
6. [1.1] Busse-Wicher, M (Busse-Wicher, Marta); Grantham, NJ (Grantham, Nicholas J.); Lyczakowski, JJ (Lyczakowski, Jan J.); Nikolovski, N (Nikolovski, Nino); Dupree, P (Dupree, Paul): Xylan decoration patterns and the plant secondary cell wall molecular architecture. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 74-78, WOS
7. [1.1] Candido, RG (Candido, R. G.); Goncalves, AR (Goncalves, A. R.): Synthesis of cellulose acetate and carboxymethylcellulose from sugarcane straw. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 679-686, WOS
8. [1.1] Chemin, M (Chemin, Maud); Rakotovelo, A (Rakotovelo, Alex); Ham-Pichavant, F (Ham-Pichavant, Frederique); Chollet, G (Chollet, Guillaume); Perez, DD (Perez, Denilson Da Silva); Petit-Conil, M (Petit-Conil, Michel); Cramail, H (Cramail, Henri); Grelier, S (Grelier, Stephane): Periodate oxidation of 4-O-methylglucuronoxylans: Influence of the reaction conditions. In. CARBOHYDRATE POLYMERS Volume: 142 Pages: 45-50, WOS
9. [1.1] Chimphango, AFA (Chimphango, Annie F. A.); Gorgens, JF (Goergens, J. F.); van Zyl, WH (van Zyl, W. H.): In situ enzyme aided adsorption of soluble xylan biopolymers onto cellulosic material. In: CARBOHYDRATE POLYMERS Volume: 143 Pages: 172-178, WOS
10. [1.1] Dai, QQ (Dai, Qing-Qing); Ren, JL (Ren, Jun-Li); Peng, F (Peng, Feng); Chen, XF (Chen, Xiao-Feng); Gao, CD (Gao, Cun-Dian); Sun, RC (Sun, Run-Cang): Synthesis of Acylated Xylan-Based Magnetic Fe3O4 Hydrogels and Their Application for H2O2 Detection. In: MATERIALS Volume: 9 Issue: 8 Article Number: 690, WOS
11. [1.1] Duan, R (Duan, Ran); Westerlind, BS (Westerlind, Bo S.); Norgren, M (Norgren, Magnus); Anugwom, I (Anugwom, Ikenna); Virtanen, P (Virtanen, Pasi); Mikkola, JP (Mikkola, Jyri-Pekka): Fibre Stress-Strain Response of High-Temperature Chemi-Thermomechanical Pulp Treated with Switchable Ionic Liquids. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8570-8588, WOS
12. [1.1] Hachem, K (Hachem, Kadda); Faugeron, C (Faugeron, Celine); Kaid-Harche, M (Kaid-Harche, Meriem); Gloaguen, V (Gloaguen, Vincent): Structural Investigation of Cell Wall Xylan Polysaccharides from the Leaves of Algerian Argania spinosa. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1587, WOS
13. [1.1] Hricoviniova, Z (Hricoviniova, Zuzana): Surfactants of biological origin: The role of Mo(VI) and microwaves in the synthesis of xylan-based non-ionic surfactants. In: CARBOHYDRATE POLYMERS Volume: 144 Pages: 297-304, WOS
14. [1.1] Hu, RB (Hu, Ruibo); Li, JL (Li, Junling); Wang, XY (Wang, Xiaoyu); Zhao, X (Zhao, Xun); Yang, XW (Yang, Xuanwen); Tang, Q (Tang, Qi); He, G (He, Guo); Zhou, GK (Zhou, Gongke); Kong, YZ (Kong, Yingzhen): Xylan synthesized by Irregular Xylem 14 (IRX14) maintains the structure of seed coat mucilage in Arabidopsis. In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 5 Pages: 1243-1257, WOS
15. [1.1] Hu, RB (Hu, Ruibo); Li, JL (Li, Junling); Yang, XW (Yang, Xuanwen); Zhao, X (Zhao, Xun); Wang, XY (Wang, Xiaoyu); Tang, Q (Tang, Qi); He, G (He, Guo); Zhou, GK (Zhou, Gongke); Kong, YZ (Kong, Yingzhen): Irregular xylem 7 (IRX7) is required for anchoring seed coat mucilage in Arabidopsis. In: PLANT MOLECULAR BIOLOGY Volume: 92 Issue: 1-2 Pages: 25-38, WOS
16. [1.1] Hutterer, C (Hutterer, Christian); Schild, G (Schild, Gabriele); Kliba, G (Kliba, Gerhard); Potthast, A (Potthast, Antje): Lignin profiling in extracted xylans by size-exclusion chromatography. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 821-826, WOS
17. [1.1] Jahan, MS (Jahan, M. Sarwar); Akter, T (Akter, Tawhida); Nayeem, J (Nayeem, Jannatun); Samaddar, PR (Samaddar, Purabi Rani); Moniruzzaman, M (Moniruzzaman, Mohammad): POTASSIUM HYDROXIDE PULPING OF SACCHARUM SPONTANEUM (KASH). In: J-FOR-JOURNAL OF SCIENCE & TECHNOLOGY FOR FOREST PRODUCTS AND PROCESSES Volume: 6 Issue: 1 Pages: 46-53, WOS
18. [1.1] Kanengoni, AT (Kanengoni, A. T.); Nkosi, BD (Nkosi, B. D.); Chimonyo, M (Chimonyo, M.); Ndimba, B (Ndimba, B.); Dzama, K (Dzama, K.): Effects of whey, molasses and exogenous enzymes on the ensiling characteristics, nutrient composition and aerobic stability of maize cobs. In: SOUTH AFRICAN JOURNAL OF ANIMAL SCIENCE Volume: 46 Issue: 2 Pages: 113-120, WOS
19. [1.1] Laine, C (Laine, Christiane); Asikainen, S (Asikainen, Sari); Talja, R (Talja, Riku); Stepan, A (Stepan, Agnes); Sixta, H (Sixta, Herbert); Harlin, A (Harlin, Ali): Simultaneous bench scale production of dissolving grade pulp and valuable hemicelluloses from softwood kraft pulp by ionic liquid extraction. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 402-408, WOS
20. [1.1] Lorenz, D (Lorenz, Dominic); Erasmy, N (Erasmy, Nicole); Akil, Y (Akil, Youssef);

Saake, B (Saake, Bodo): A new method for the quantification of monosaccharides, uronic acids and oligosaccharides in partially hydrolyzed xylans by HPAEC-UV/VIS. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 181-187, WOS
21. [1.1] McKee, LS (McKee, Lauren S.); Sunner, H (Sunner, Hampus); Anasontzis, GE (Anasontzis, George E.); Toriz, G (Toriz, Guillermo); Gatenholm, P (Gatenholm, Paul); Bulone, V (Bulone, Vincent); Vilaplana, F (Vilaplana, Francisco); Olsson, L (Olsson, Lisbeth): A GH115 alpha-glucuronidase from Schizophyllum commune contributes to the synergistic enzymatic deconstruction of softwood glucuronoarabinoxylan. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 2, WOS
22. [1.1] Morais, ARC (Morais, Ana Rita C.); Matuchaki, MDDJ (Matuchaki, Maria Daniela D. J.); Andreaus, J (Andreaus, Juergen); Bogel-Lukasik, R (Bogel-Lukasik, Rafal): A green and efficient approach to selective conversion of xylose and biomass hemicellulose into furfural in aqueous media using high-pressure CO2 as a sustainable catalyst. In: GREEN CHEMISTRY Volume: 18 Issue: 10 Pages: 2985-2994, WOS
23. [1.1] Moreira, LRS (Moreira, L. R. S.); Filho, EXF (Filho, E. X. F.): Insights into the mechanism of enzymatic hydrolysis of xylan. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 12 Pages: 5205-5214, WOS
24. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
25. [1.1] Pick, A (Pick, Andre); Beer, B (Beer, Barbara); Hemmi, R (Hemmi, Risa); Momma, R (Momma, Rena); Schmid, J (Schmid, Jochen); Miyamoto, K (Miyamoto, Kenji); Sieber, V (Sieber, Volker): Identification and characterization of two new 5-keto-4-deoxy-D-Glucarate Dehydratases/Decarboxylases. In: BMC BIOTECHNOLOGY Volume: 16 Article Number: 80, WOS
26. [1.1] Prashanth, MRS (Prashanth, M. R. Savitha); Muralikrishna, G (Muralikrishna, G.): Evaluation of Prebiotic Properties of Purified Arabinoxylans Isolated from Finger Millet (Eleusine coracana, v. Indaf 15) Bran. In: TRENDS IN CARBOHYDRATE RESEARCH Volume: 8 Issue: 1 Pages: 50-58, WOS
27. [1.1] Qian, SQ (Qian, Shi-Quan); Zhou, LF (Zhou, Lan-Feng); Shi, YZ (Shi, Ya-Zhong); Wu, YH (Wu, Ya-Hua); Xu, H (Xu, Hui); Lu, ZX (Lu, Zhao-Xin): SODIUM HYDROXIDE-INDUCED PROCESS FOR EFFICIENT XYLAN EXTRACION FROM CORN STRAWS. In: CURRENT TOPICS IN NUTRACEUTICAL RESEARCH Volume: 14 Issue: 1 Pages: 73-80, WOS
28. [1.1] Sousa, S (Sousa, Sonia); Pedrosa, J (Pedrosa, Jorge); Ramos, A (Ramos, Ana); Ferreira, PJ (Ferreira, Paulo J.); Gamelas, JAF (Gamelas, Jose A. F.): Surface properties of xylan and xylan derivatives measured by inverse gas chromatography. In: COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 506 Pages: 600-606, WOS
29. [1.1] Sousa, S (Sousa, Sonia); Ramos, A (Ramos, Ana); Evtuguin, DV (Evtuguin, Dmitry V.); Gamelas, JAF (Gamelas, Jose A. F.): Xylan and xylan derivatives-Their performance in bio-based films and effect of glycerol addition. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 682-689, WOS
30. [1.1] Sun, XF (Sun, Xiao-Feng); Feng, Y (Feng, Yang); Shi, XD (Shi, Xiaodi); Wang, YX (Wang, Yaxiong): Preparation and Property of Xylan/Poly(Methacrylic Acid) Semi-Interpenetrating Network Hydrogel. In: INTERNATIONAL JOURNAL OF POLYMER SCIENCE Article Number: 8241078, WOS
31. [1.1] Tan, HT (Tan, Hwei-Ting); Corbin, KR (Corbin, Kendall R.); Fincher, GB (Fincher, Geoffrey B.): Emerging Technologies for the Production of Renewable Liquid Transport Fuels from Biomass Sources Enriched in Plant Cell Walls. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1854, WOS
32. [1.1] Uner, B (Uner, Birol); Dorak, S (Dorak, Sinem); Ismailoglu, Y (Ismailoglu, Yunus); Tufan, MZ (Tufan, M. Zakir); Kurul, F (Kurul, Fatih); Yalcin, OU (Yalcin, Omer Umit): Centaurea solstitialis and Silybum marianum weeds conversion into value-added thermoplastic materials by benzylation process. In: IRANIAN POLYMER JOURNAL Volume: 25 Issue: 1 Pages: 37-43, WOS
33. [1.1] Uner, B (Uner, Birol); Kose, G (Kose, Gokhan); Yurumez, Y (Yurumez, Yesim); Yalcin, OU (Yalcin, Omer Umit); Akgul, M (Akgul, Mehmet): Wood Waste Turned Into Value Added Products: Thermal Plasticization by Benzylation Process. In: DRVNA INDUSTRIJA Volume: 67 Issue: 4 Pages: 315-322, WOS
34. [1.1] Vega, B (Vega, Beatriz); Grigoray, O (Grigoray, Olga); Gustafsson, J (Gustafsson, Jan); Fardim, P (Fardim, Pedro): Advances in Sugar-based Polymers: Xylan and its Derivatives for Surface Modification of Pulp Fibres. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 134-158, WOS
35. [1.1] Wang, XY (Wang, Xiaoyu); Tang, Q (Tang, Qi); Zhao, X (Zhao, Xun); Jia, CL (Jia,

Chunlin); Yang, XW (Yang, Xuanwen); He, G (He, Guo); Wu, AM (Wu, Aimin); Kong, YZ (Kong, Yingzhen); Hu, RB (Hu, Ruibo); Zhou, GK (Zhou, Gongke): Functional conservation and divergence of Miscanthus lutarioriparius GT43 gene family in xylan biosynthesis. In: BMC PLANT BIOLOGY Volume: 16 Article Number: 102, WOS
36. [1.1] Willis, JD (Willis, Jonathan D.); Smith, JA (Smith, James A.); Mazarei, M (Mazarei, Mitra); Zhang, JY (Zhang, Ji-Yi); Turner, GB (Turner, Geoffrey B.); Decker, SR (Decker, Stephen R.); Sykes, RW (Sykes, Robert W.); Poovaiah, CR (Poovaiah, Charleson R.); Baxter, HL (Baxter, Holly L.); Mann, DGJ (Mann, David G. J.); Davis, MF (Davis, Mark F.); Udvardi, MK (Udvardi, Michael K.); Pena, MJ (Pena, Maria J.); Backe, J (Backe, Jason); Bar-Peled, M (Bar-Peled, Maor); Stewart, CN (Stewart, C. N., Jr.): Downregulation of a UDP-Arabinomutase Gene in Switchgrass (Panicum virgatum L.) Results in Increased Cell Wall Lignin While Reducing Arabinose-Glycans. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1580, WOS
37. [1.1] Wu, CJ (Wu, Chaojun): The Potential of Pre-Hydrolysis Liquor from the Dissolving Pulp Process as Recovery Source of Xylooligosaccharide - A Mini-Review. In: BIORESOURCES Volume: 11 Issue: 3 Pages: 7917-7927, WOS
38. [1.1] Wu, GY (Wu, Guan-ya); Li, HP (Li, He-ping); Yang, X (Yang, Xu); Sun, Y (Sun, Yan); Zou, YD (Zou, Ying-dong): Synthesis and Characterization of Sulfonic Groups Bagasse Xylan Salicylate. In: 2016 INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND ENGINEERING (ESE 2016) Pages: 382-385 Published: 2016 Conference Title: International Conference on Environmental Science, WOS
39. [1.1] Xiang, ZY (Xiang, Zhouyang); Anthony, R (Anthony, Renil); Lan, W (Lan, Wu); Runge, T (Runge, Troy): Glutaraldehyde crosslinking of arabinoxylan produced from corn ethanol residuals. In: CELLULOSE Volume: 23 Issue: 1 Pages: 307-321, WOS
40. [1.1] Xiang, ZY (Xiang, Zhouyang); Runge, T (Runge, Troy): Emulsifying properties of succinylated arabinoxylan-protein gum produced from corn ethanol residuals. In: FOOD HYDROCOLLOIDS Volume: 52 Pages: 423-430, WOS
41. [1.1] Zhang, H (Zhang, He); Brace, EC (Brace, Emma C.); Engelberth, AS (Engelberth, Abigail S.): Selection of a nonaqueous two-phase solvent system for fractionation of xylo-oligosaccharide prebiotics using a conductor-like screening model for real solvents. In: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES Volume: 39 Issue: 14 Pages: 666-673, WOS
42. [1.1] Zhang, XQ (Zhang, Xueqin); Wang, HH (Wang, Huihui); Wen, XX (Wen, Xiaoxiang); Zhang, AP (Zhang, Aiping); Wang, XY (Wang, Xiaoying); Zhong, LX (Zhong, Linxin); Liu, CF (Liu, Chuanfu); Sun, RC (Sun, Runcang): Synthesis and Characterization of Xylan Grafted with Polyethylene Glycol in Ionic Liquid and Their Use as Moisture-Absorption/Retention Biomaterials. In: MACROMOLECULAR MATERIALS AND ENGINEERING Volume: 301 Issue: 3 Pages: 287-295 DOI, WOS
43. [1.2] Fortunati, E., Luzi, F., Puglia, D., & Torre, L. (2016). Extraction of lignocellulosic materials from waste products. In Multifunctional polymeric nanocomposites based on cellulosic reinforcements (Elsevier, chapter 1, pp. 1-38), SCOPUS
44. [1.2] Geng, W., Venditti, R. A., & Pawlak, J. J. (2016). The effects of delignification on hemicellulose extraction from switchgrass, pine and poplar. Paper presented at the Pulping, Engineering, Environmental, Recycling, Sustainability Conference 2016, PEERS 2016, 2, p. 787-795, SCOPUS
45. [1.2] Madeira, J. V., Contesini, F. J., Calzado, F., Rubio, M. V., Zubieta, M. P., Lopes, D. B., & de Melo, R. R. (2016). Agro-industrial residues and microbial enzymes: An overview on the eco-friendly bioconversion into high value-added products. In Biotechnology of microbial enzymes: Production, biocatalysis and industrial applications (Elsevier, chapter 18, pp. 475-511), SCOPUS

ADCA169 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - EREMEEVA, T.E. Alternative Verfahren zur Gewinnung von Hemicellulosen des D-Xylantyps aus Laubholzer. In Holz als Roh- und Werkstoff, 1989, vol. 47, p. 355-358. ISSN 0018-3768.

Citácie:
1. [1.1] Pujol, CA (Pujol, C. A.); Damonte, EB (Damonte, E. B.); Turjan, J (Turjan, J.); Yanbo, KZ (Yanbo, K. Z.); Capek, P (Capek, P.): The antiviral potency of Fagus sylvatica 4OMe-glucuronoxylan sulfates. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 87 Pages: 195-200, WOS
2. [1.1] Sivova, V (Sivova, Veronika); Nosal'ova, G (Nosal'ova, Gabriela); Jurecek, L (Jurecek, L'udovit); Turjan, J (Turjan, Jozef); Vlckova, S (Vlckova, Silvia); Bystricky, P (Bystricky, Peter); Kantarova, D (Kantarova, Dana); Capek, P (Capek, Peter): Fagus sylvatica glucuronoxylan sulfate-chemical profile and pharmacological view. In: STARCH-STARKE Volume: 68 Issue: 7-8 Special Issue: SI Pages: 621-628, WOS

ADCA170 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - BUCHARD, W. - DOLEGA, R. - VORWEG,

W. Solution properties of water-insoluble rye-bran arabinoxylan. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 1994, vol. 24, s. 161-169. ISSN 0144-8617.

Citácie:

1. [1.1] Martinez, PM (Martinez, Patricia Murciano); Kabel, MA (Kabel, Mirjam A.); Gruppen, H (Gruppen, Harry): Delignification outperforms alkaline extraction for xylan fingerprinting of oil palm empty fruit bunch. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 356-363, WOS

ADCA171 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - ALFOLDI, Juraj - BERTH, G. Structural and solution properties of corn cob heteroxylans. In Carbohydrate Polymers, 1992, vol. 19, p. 99-105. ISSN 0144-8617.

Citácie:

1. [1.1] Gao, H (Gao, Hui); Sun, MY (Sun, Meng-Yun); Cheng, HY (Cheng, Huan-Ying); Gao, WL (Gao, Wen-Li); Ding, XL (Ding, Xiao-Long): Effects of Heat Treatment under Vacuum on Properties of Poplar. In: BIORESOURCES Volume: 11 Issue: 1 Pages: 1031-1043, WOS

2. [1.1] Guan, Y (Guan, Ying); Qi, XM (Qi, Xian-Ming); Chen, GG (Chen, Ge-Gu); Peng, F (Peng, Feng); Sun, RC (Sun, Run-Cang): Facile approach to prepare drug-loading film from hemicelluloses and chitosan. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 542-548, WOS

3. [1.1] Perez-Rodriguez, N (Perez-Rodriguez, Noelia); Torrado-Agrasar, A (Torrado-Agrasar, Ana); Dominguez, JM (Dominguez, Jose M.): USE OF ASPERGILLUS NIGER EXTRACTS OBTAINED BY SOLID-STATE FERMENTATION. In: MUSHROOM BIOTECHNOLOGY: DEVELOPMENTS AND APPLICATIONS Pages: 173-190, WOS

4. [1.1] Qian, SQ (Qian, Shi-Quan); Zhou, LF (Zhou, Lan-Feng); Shi, YZ (Shi, Ya-Zhong); Wu, YH (Wu, Ya-Hua); Xu, H (Xu, Hui); Lu, ZX (Lu, Zhao-Xin):SODIUM HYDROXIDE-INDUCED PROCESS FOR EFFICIENT XYLAN EXTRACION FROM CORN STRAWS. In: CURRENT TOPICS IN NUTRACEUTICAL RESEARCH Volume: 14 Issue: 1 Pages: 73-80, WOS

ADCA172 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka. Effect of ultrasound on the extractibility of corn bran hemicelluloses. In Ultrasonics Sonochemistry, 2002, vol. 9, p. 225-229. ISSN 1350-4177.

Citácie:

1. [1.1] 1.1Du, C (Du, Chao); Li, HL (Li, Hailong); Li, BY (Li, Bingyun); Liu, MR (Liu, Mengru); Zhan, HY (Zhan, Huaiyu): Characteristics and Properties of Cellulose Nanofibers Prepared by TEMPO Oxidation of Corn Husk. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5276-5284, WOS

2. [1.1] Dordevic, T (Dordevic, Tatjana); Antov, M (Antov, Mirjana): Wheat chaff utilization: Evaluation of antioxidant capacity of waste streams generated by different pretreatments. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 649-657, WOS

3. [1.1] FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS

4. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS

5. [1.1] Yu, X (Yu, Xiaoxi); Gouyo, T (Gouyo, Telco); Grimi, N (Grimi, Nabil); Bals, O (Bals, Olivier); Vorobiev, E (Vorobiev, Eugene): Ultrasound enhanced aqueous extraction from rapeseed green biomass for polyphenol and protein valorization. In: COMPTES RENDUS CHIMIE Volume: 19 Issue: 6 Pages: 766-777, WOS

6. [1.1] de Oliveira, CF (de Oliveira, Cibele Freitas); Giordani, D (Giordani, Diego); Lutckemier, R (Lutckemier, Rafael); Gurak, PD (Gurak, Poliana Deyse); Cladera-Olivera, F (Cladera-Olivera, Florencia); Marczak, LDF (Ferreira Marczak, Ligia Damasceno): Extraction of pectin from passion fruit peel assisted by ultrasound. In: LWT-FOOD SCIENCE AND TECHNOLOGY Volume: 71 Pages: 110-115, WOS

7. [1.2] Sudhakar, K., Reddy, N. N., Rao, K. M., Moloi, S. J., Reddy, A. B., & Sadiku, E. R. (2016). Polyethylene/Hemicellulose-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 5, pp. 167-200), SCOPUS

ADCA173 EBRINGEROVÁ, Anna - KRAMÁR, A. Uronic acids from hornbeam wood (Carpinus betulus L.). In Cellulose Chemistry and Technology, 1968, vol. 2, p. 67-71. ISSN 0576-9787.

Citácie:

1. [1.1] Vinnitskiy, DZ (Vinnitskiy, D. Z.); Ustyuzhanina, NE (Ustyuzhanina, N. E.); Nifantiev, NE (Nifantiev, N. E.): Natural bacterial and plant biomolecules bearing alpha-D-glucuronic acid residues. In: RUSSIAN CHEMICAL BULLETIN Volume: 64 Issue: 6 Pages: 1273-1301, WOS

ADCA174 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - KOŠŤÁLOVÁ, Zuzana - SASINKOVÁ, Vlasta. Chemical valorization of agricultural by-products: isolation and characterization of xylan-

based antioxidants from almond shell biomass. In BioResources, 2008, vol. 3, p. 60-70. ISSN 1930-2126.

Citácie:

1. [1.1] Farina, M (Farina, M.); Mauri, M (Mauri, M.); Patriarca, G (Patriarca, G.); Simonutti, R (Simonutti, R.); Klasson, KT (Klasson, K. T.); Cheng, HN (Cheng, H. N.): Xe-129 NMR studies of morphology and accessibility in porous biochar from almond shells. In: RSC ADVANCES Volume: 6 Issue: 105 Pages: 103803-103810, WOS

2. [1.2] Singh, V. K., Bansal, G., Negi, P., & Bisht, A. (2016). Characterization of flexural and impact strength of jute/almond hybrid biocomposite. Journal of Testing and Evaluation, 45(3), 763-772, SCOPUS

ADCA175 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - HEINZE, T. Hemicellulose. In Advances in polymer science, 2005, vol.186, p. 1-67. (7.320 - IF2004). (2005 - Current Contents). ISSN 0065-3195.

Citácie:

1. [1.1] : Zhang, ZY (Zhang, Zhanying); Harrison, MD (Harrison, Mark D.); Rackemann, DW (Rackemann, Darryn W.); Doherty, WOS (Doherty, William O. S.); O'Hara, IM (O'Hara, Ian M.): Organosolv pretreatment of plant biomass for enhanced enzymatic saccharification. In: GREEN CHEMISTRY Volume: 18 Issue: 2 Pages: 360-381, WOS

2. [1.1] Achinas, S (Achinas, Spyridon); Euverink, GJW (Euverink, Gerrit Jan Willem): Consolidated briefing of biochemical ethanol production from lignocellulosic biomass. In: : ELECTRONIC JOURNAL OF BIOTECHNOLOGY Volume: 23 Pages: 44-53, WOS

3. [1.1] Alvarez, C (Alvarez, Consolacion); Reyes-Sosa, FM (Manuel Reyes-Sosa, Francisco); Diez, B (Diez, Bruno): Enzymatic hydrolysis of biomass from wood. In: MICROBIAL BIOTECHNOLOGY Volume: 9 Issue: 2 Pages: 149-156, WOS

4. [1.1] Banks, SW (Banks, Scott W.); Nowakowski, DJ (Nowakowski, Daniel J.); Bridgwater, AV (Bridgwater, Anthony V.): Impact of Potassium and Phosphorus in Biomass on the Properties of Fast Pyrolysis Bio-oil. In: ENERGY & FUELS Volume: 30 Issue: 10 Pages: 8009-8018, WOS

5. [1.1] Berglund, J (Berglund, Jennie); d'Ortoli, TA (d'Ortoli, Thibault Angles); Vilaplana, F (Vilaplana, Francisco); Widmalm, G (Widmalm, Goran); Bergenstrahle-Wohlert, M (Bergenstrahle-Wohlert, Malin); Lawoko, M (Lawoko, Martin); Henriksson, G (Henriksson, Gunnar); Lindstrom, M (Lindstrom, Mikael); Wohlert, J (Wohlert, Jakob): A molecular dynamics study of the effect of glycosidic linkage type in the hemicellulose backbone on the molecular chain flexibility. In. PLANT JOURNAL Volume: 88 Issue: 1 Pages: 56-70, WOS

6. [1.1] Bhagia, S (Bhagia, Samarthya); Li, HJ (Li, Hongjia); Gao, XD (Gao, Xiadi); Kumar, R (Kumar, Rajeev); Wyman, CE (Wyman, Charles E.).: Flowthrough pretreatment with very dilute acid provides insights into high lignin contribution to biomass recalcitrance. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 245, WOS

7. [1.1] Bhaumik, P (Bhaumik, Prasenjit); Dhepe, PL (Dhepe, Paresh Laxmikant): Conversion of Biomass into Sugars. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 1-53, WOS

8. [1.1] Bi, R (Bi, Ran); Berglund, J (Berglund, Jennie); Vilaplana, F (Vilaplana, Francisco); McKee, LS (McKee, Lauren S.); Henriksson, G (Henriksson, Gunnar): The degree of acetylation affects the microbial degradability of mannans. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 36-46, WOS

9. [1.1] Biely, P (Biely, Peter); Singh, S (Singh, Suren); Puchart, V (Puchart, Vladimir): Towards enzymatic breakdown of complex plant xylan structures: State of the art. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1260-1274, WOS

10. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In: CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS

11. [1.1] Burniol-Figols, A (Burniol-Figols, Anna); Cenian, K (Cenian, Katarzyna); Skiadas, IV (Skiadas, Ioannis V.); Gavala, HN (Gavala, Hariklia N.): Integration of chlorogenic acid recovery and bioethanol production from spent coffee grounds. In: BIOCHEMICAL ENGINEERING JOURNAL Volume: 116 Special Issue: SI Pages: 54-64, WOS

12. [1.1] Bush, JR (Bush, Joshua R.); Liang, HX (Liang, Haixiang); Dickinson, M (Dickinson, Molly); Botchwey, EA (Botchwey, Edward A.): Xylan hemicellulose improves chitosan hydrogel for bone tissue regeneration. In: POLYMERS FOR ADVANCED TECHNOLOGIES Volume: 27 Issue: 8 Pages: 1050-1055, WOS

13. [1.1] Chateigner-Boutin, AL (Chateigner-Boutin, Anne-Laure); Ordaz-Ortiz, JJ (Ordaz-Ortiz, Jose J.); Alvarado, C (Alvarado, Camille); Bouchet, B (Bouchet, Brigitte); Durand, S (Durand, Sylvie); Verhertbruggen, Y (Verhertbruggen, Yves); Barriere, Y (Barriere, Yves); Saulnier, L (Saulnier, Luc): Developing Pericarp of Maize: A Model to Study Arabinoxylan Synthesis and Feruloylation. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 1476, WOS

14. [1.1] Dallabernardina, P (Dallabernardina, Pietro); Schuhmacher, F (Schuhmacher, Frank); Seeberger, PH (Seeberger, Peter H.); Pfrengle, F (Pfrengle, Fabian): Automated glycan assembly of xyloglucan oligosaccharides. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 1 Pages: 309-313, WOS
15. [1.1] Ding, CL (Ding, Cheng-Li); Ju, BZ (Ju, Ben-Zhi); Zhang, SF (Zhang, Shu-Fen): Preparation and Properties of Novel Starch Derivatives Containing the Sulfonic Acid of the Group and Carboxymethyl. In: ASIAN JOURNAL OF CHEMISTRY Volume: 26 Issue: 11 Pages: 3166-3170, WOS
16. [1.1] Dutta, SK (Dutta, Sajal Kanti); Chakraborty, S (Chakraborty, Saikat): Pore-scale dynamics of enzyme adsorption, swelling and reactive dissolution determine sugar yield in hemicellulose hydrolysis for biofuel production. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 38173, WOS
17. [1.1] Elgharbawy, AA (Elgharbawy, Amal A.); Alam, MZ (Alam, Md Zahangir); Moniruzzaman, M (Moniruzzaman, Muhammad); Goto, M (Goto, Masahiro): Ionic liquid pretreatment as emerging approaches for enhanced enzymatic hydrolysis of lignocellulosic biomass. In: BIOCHEMICAL ENGINEERING JOURNAL Volume: 109 Pages: 252-267, WOS
18. [1.1] Elgueta, E (Elgueta, Elizabeth); Sanchez, J (Sanchez, Julio); Dax, D (Dax, Daniel); Xu, CL (Xu, Chunlin); Willfor, S (Willfor, Stefan); Rivas, BL (Rivas, Bernabe L.); Gonzalez, M (Gonzalez, Marianela): Functionalized galactoglucomannan-based hydrogels for the removal of metal cations from aqueous solutions. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 41 Article Number: 44093, WOS
19. [1.1] Friciu, MM (Friciu, Maria Mihaela); Le, TC (Tien Canh Le); Ispas-Szabo, P (Ispas-Szabo, Pompilia); Mateescu, MA (Mateescu, Mircea Alexandru): Carboxymethyl starch and lecithin complex as matrix for targeted drug delivery: I. Monolithic Mesalamine forms for colon delivery. In: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS Volume: 85 Issue: 3 Pages: 521-530, WOS
20. [1.1] Garg, S (Garg, Sarika): Xylanase: Applications in Biofuel Production. In: CURRENT METABOLOMICS Volume: 4 Issue: 1 Pages: 23-37, WOS
21. [1.1] Hachem, K (Hachem, Kadda); Faugeron, C (Faugeron, Celine); Kaid-Harche, M (Kaid-Harche, Meriem); Gloaguen, V (Gloaguen, Vincent): Structural Investigation of Cell Wall Xylan Polysaccharides from the Leaves of Algerian Argania spinosa. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1587, WOS
22. [1.1] Hemicellulose isolation, characterization, and the production of xylo-oligosaccharides from the wastewater of a viscose fiber mill. In: CARBOHYDRATE POLYMERS Volume: 141 Pages: 238-243, WOS
23. [1.1] Hilpmann, G (Hilpmann, G.); Becher, N (Becher, N.); Pahner, FA (Pahner, F-A.); Kusema, B (Kusema, B.); Maki-Arvela, P (Maki-Arvela, P.); Lange, R (Lange, R.); Murzin, DY (Murzin, D. Yu.); Salmi, T (Salmi, T.): Acid hydrolysis of xylan. In: CATALYSIS TODAY Volume: 259 Pages: 376-380, WOS
24. [1.1] Jordan, DB (Jordan, Douglas B.); Braker, JD (Braker, Jay D.); Wagschal, K (Wagschal, Kurt); Stoller, JR (Stoller, J. Rose); Lee, CC (Lee, Charles C.): Isolation and divalent-metal activation of a beta-xylosidase, RUM630-BX. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 82 Pages: 158-163, WOS
25. [1.1] Labourel, A (Labourel, Aurore); Crouch, LI (Crouch, Lucy I.); Bras, JLA (Bras, Joana L. A.); Jackson, A (Jackson, Adam); Rogowski, A (Rogowski, Artur); Gray, J (Gray, Joseph); Yadav, MP (Yadav, Madhav P.); Henrissat, B (Henrissat, Bernard); Fontes, CMGA (Fontes, Carlos M. G. A.); Gilbert, HJ (Gilbert, Harry J.); Najmudin, S (Najmudin, Shabir); Basle, A (Basle, Arnaud); Cuskin, F (Cuskin, Fiona): The Mechanism by Which Arabinoxylanases Can Recognize Highly Decorated Xylans. In. JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 42 Pages: 22149-22159, WOS
26. [1.1] Li, FB (Li, Fangbing); Wang, H (Wang, Hui); Xin, HX (Xin, Huaxia); Cai, JF (Cai, Jianfeng); Fu, Q (Fu, Qing); Jin, Y (Jin, Yu): Development, validation and application of a hydrophilic interaction liquid chromatography-evaporative light scattering detection based method for process control of hydrolysis of xylans obtained from different agricultural wastes. In: FOOD CHEMISTRY Volume: 212 Pages: 155-161, WOS
27. [1.1] Liu, J (Liu, Jun); Kisonen, V (Kisonen, Victor); Willfor, S (Willfor, Stefan); Xu, CL (Xu, Chunlin); Vilaplana, F (Vilaplana, Francisco): Profiling the substitution pattern of xyloglucan derivatives by integrated enzymatic hydrolysis, hydrophilic-interaction liquid chromatography and mass spectrometry. In: JOURNAL OF CHROMATOGRAPHY A Volume: 1463 Pages: 110-120, WOS
28. [1.1] Lopez-Sanchez, P (Lopez-Sanchez, Patricia); Wang, DJ (Wang, Dongjie); Zhang, ZY (Zhang, Zhiyan); Flanagan, B (Flanagan, Bernadine); Gidley, MJ (Gidley, Michael J.): Microstructure and mechanical properties of arabinoxylan and (1,3;1,4)-beta-glucan gels

produced by cryo-gelation. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 862-870, WOS
29. [1.1] Lorenz, D (Lorenz, Dominic); Erasmy, N (Erasmy, Nicole); Akil, Y (Akil, Youssef); Saake, B (Saake, Bodo): A new method for the quantification of monosaccharides, uronic acids and oligosaccharides in partially hydrolyzed xylans by HPAEC-UV/VIS. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 181-187, WOS
30. [1.1] Martinez, PM (Martinez, Patricia Murciano); Kabel, MA (Kabel, Mirjam A.); Gruppen, H (Gruppen, Harry): Delignification outperforms alkaline extraction for xylan fingerprinting of oil palm empty fruit bunch. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 356-363, WOS
31. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
32. [1.1] Negandar, L (Negandar, Leila); Delidovich, I (Delidovich, Irina); Palkovits, R (Palkovits, Regina):Aqueous-phase hydrolysis of cellulose and hemicelluloses over molecular acidic catalysts: Insights into the kinetics and reaction mechanism. In: APPLIED CATALYSIS B-ENVIRONMENTAL Volume: 184 Pages: 285-298, WOS
33. [1.1] Nypelo, T (Nypeloe, Tlina); Laine, C (Laine, Christiane); Aoki, M (Aoki, Masaaki); Tammelin, T (Tammelin, Tekla); Henniges, U (Henniges, Ute): Etherification of Wood-Based Hemicelluloses for Interfacial Activity. In: BIOMACROMOLECULES Volume: 17 Issue: 5 Pages: 1894-1901, WOS
34. [1.1] Peleteiro, S (Peleteiro, Susana); Santos, V (Santos, Valentin); Garrote, G (Garrote, Gil); Parajo, JC (Carlos Parajo, Juan): Furfural production from Eucalyptus wood using an Acidic Ionic Liquid. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 20-25, WOS
35. [1.1] Pena, MJ (Pena, Maria J.); Kulkarni, AR (Kulkarni, Ameya R.); Backe, J (Backe, Jason); Boyd, M (Boyd, Michael); O'Neill, MA (O'Neill, Malcolm A.); York, WS (York, William S.): Structural diversity of xylans in the cell walls of monocots. In: PLANTA Volume: 244 Issue: 3 Pages: 589-606, WOS
36. [1.1] Pujol, CA (Pujol, C. A.); Damonte, EB (Damonte, E. B.); Turjan, J (Turjan, J.); Yanbo, KZ (Yanbo, K. Z.); Capek, P (Capek, P.): The antiviral potency of Fagus sylvatica 4OMe-glucuronoxylan sulfates. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 87 Pages: 195-200, WOS
37. [1.1] Rivas, S (Rivas, Sandra); Vila, C (Vila, Carlos); Santos, V (Santos, Valentin); Parajo, JC (Carlos Parajo, Juan): Furfural production from birch hemicelluloses by two-step processing: a potential technology for biorefineries. In: HOLZFORSCHUNG Volume: 70 Issue: 10 Pages: 901-910, WOS
38. [1.1] Rosa-Sibakov, N (Rosa-Sibakov, Natalia); Hakala, TK (Hakala, Terhi K.); Sozer, N (Sozer, Nesli); Nordlund, E (Nordlund, Emilia); Poutanen, K (Poutanen, Kaisa); Aura, AM (Aura, Anna-Marja): Birch pulp xylan works as a food hydrocolloid in acid milk gels and is fermented slowly in vitro. In: CARBOHYDRATE POLYMERS Volume: 154 Pages: 305-312, WOS
39. [1.1] Samanta, AK (Samanta, Ashis Kumar); Kolte, AP (Kolte, A. P.); Elangovan, AV (Elangovan, A. V.); Dhali, A (Dhali, A.); Senani, S (Senani, S.); Sridhar, M (Sridhar, M.); Suresh, KP (Suresh, K. P.); Jayapal, N (Jayapal, N.); Jayaram, C (Jayaram, C.); Roy, S (Roy, Sohini): Value addition of corn husks through enzymatic production of xylooligosaccharides. In: BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 59 Article Number: e16160078, WOS
40. [1.1] Samanta, Ashis Kumar; Kolte, A.P.; Elangovan, A.V.; Dhali, A.; Senani, S.; Sridhar, M.; Suresh, K.P.; Jayapal, N.; Jayaram, C.; Roy, Sohini: Value addition of corn husks through enzymatic production of xylooligosaccharides. In: Brazilian Archives of Biology and Technology Volume: 59 Issue: 0, WOS
41. [1.1] Sauperl, O (Sauperl, Olivera); Doliska, A (Doliska, Ales); Hadela, A (Hadela, Ajra); Strnad, S (Strnad, Simona): Functionalization of polyethyleneterephthalate fibers using galactoglucomannan from spruce wood. In: TEXTILE RESEARCH JOURNAL Volume: 86 Issue: 2 Pages: 202-209, WOS
42. [1.1] Sebayang, AH (Sebayang, A. H.); Masjuki, HH (Masjuki, H. H.); Ong, HC (Ong, Hwai Chyuan); Dharma, S (Dharma, S.); Silitonga, AS (Silitonga, A. S.); Mahlia, TMI (Mahlia, T. M. I.); Aditiya, HB (Aditiya, H. B.): A perspective on bioethanol production from biomass as alternative fuel for spark ignition engine. In: RSC ADVANCES Volume: 6 Issue: 18 Pages: 14964-14992, WOS
43. [1.1] Sivova, V (Sivova, Veronika); Nosal'ova, G (Nosal'ova, Gabriela); Jurecek, L (Jurecek, L'udovit); Turjan, J (Turjan, Jozef); Vlckova, S (Vlckova, Silvia); Bystricky, P (Bystricky, Peter); Kantarova, D (Kantarova, Dana); Capek, P (Capek, Peter): Fagus sylvatica glucuronoxylan sulfate-chemical profile and pharmacological view. In: STARCH-STARKE Volume: 68 Issue: 7-8

Special Issue: SI Pages: 621-628, WOS
44. [1.1] Sun, XF (Sun, Xiao-Feng); Feng, Y (Feng, Yang); Shi, XD (Shi, Xiaodi); Wang, YX (Wang, Yaxiong): INTERNATIONAL JOURNAL OF POLYMER SCIENCE Article Number: 8241078, WOS
45. [1.1] Ubeyitogullari, A (Ubeyitogullari, Ali); Cekmecelioglu, D (Cekmecelioglu, Deniz): OPTIMIZATION OF HEMICELLULOSE COATING AS APPLIED TO APRICOT DRYING AND COMPARISON WITH CHITOSAN COATING AND SULFITE TREATMENT. In: JOURNAL OF FOOD PROCESS ENGINEERING Volume: 39 Issue: 6 Pages: 542-552, WOS
46. [1.1] Vega, B (Vega, Beatriz); Grigoray, O (Grigoray, Olga); Gustafsson, J (Gustafsson, Jan); Fardim, P (Fardim, Pedro): Advances in Sugar-based Polymers: Xylan and its Derivatives for Surface Modification of Pulp Fibres. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 134-158, WOS
47. [1.1] Whitehill, JGA (Whitehill, Justin G. A.); Henderson, H (Henderson, Hannah); Schuetz, M (Schuetz, Mathias); Skyba, O (Skyba, Oleksandr); Saint Yuen, MM (Saint Yuen, Macaire Man); King, J (King, John); Samuels, AL (Samuels, A. Lacey); Mansfield, SD (Mansfield, Shawn D.); Bohlmann, J (Bohlmann, Jorg): Histology and cell wall biochemistry of stone cells in the physical defence of conifers against insects. In: PLANT CELL AND ENVIRONMENT Volume: 39 Issue: 8 Pages: 1646-1661, WOS
48. [1.1] Xiang, ZY (Xiang, Zhouyang); Anthony, R (Anthony, Renil); Lan, W (Lan, Wu); Runge, T (Runge, Troy): Glutaraldehyde crosslinking of arabinoxylan produced from corn ethanol residuals. In: CELLULOSE Volume: 23 Issue: 1 Pages: 307-321, WOS
49. [1.1] Xiang, ZY (Xiang, Zhouyang); Runge, T (Runge, Troy): Emulsifying properties of succinylated arabinoxylan-protein gum produced from corn ethanol residuals. In: FOOD HYDROCOLLOIDS Volume: 52 Pages: 423-430, WOS
50. [1.1] Zang, HY (Zang, Haoyu); Xie, SS (Xie, Shanshan); Wu, HJ (Wu, Huijun); Wang, WD (Wang, Weiduo); Shao, XK (Shao, Xiankun); Wu, LM (Wu, Liming); Rajer, FU (Rajer, Faheem Uddin); Gao, XW (Gao, Xuewen): A novel thermostable GH5_7 beta-mannanase from Bacillus pumilus GBSW19 and its application in manno-oligosaccharides (MOS) production. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 78 Pages: 1-9, WOS
51. [1.1] Zhang, B (Zhang, Bing); Fu, GQ (Fu, Gen-Que); Niu, YS (Niu, Ya-Shuai); Peng, F (Peng, Feng); Yao, CL (Yao, Chun-Li); Sun, RC (Sun, Run-Cang): Variations of lignin-lignin and lignin-carbohydrate linkages from young Neosinocalamus affinis bamboo culms. In: RSC ADVANCES Volume: 6 Issue: 19 Pages: 15478-15484, WOS
52. [1.1] Zhang, YD (Zhang, Yuedong); Yu, G (Yu, Guang); Li, B (Li, Bin); Mu, XD (Mu, Xindong); Peng, H (Peng, Hui); Wang, HS (Wang, Haisong):, WOS
53. [1.1] Zhou, X (Zhou, X.); Broadbelt, LJ (Broadbelt, L. J.); Vinu, R (Vinu, R.): Mechanistic Understanding of Thermochemical Conversion of Polymers and Lignocellulosic Biomass. In: THERMOCHEMICAL PROCESS ENGINEERING Book Series Title: Advances in Chemical Engineering Volume: 49 Pages: 95-198, WOS
54. [1.1] de Carvalho, DM (de Carvalho, Danila Morais); Sevastyanova, O (Sevastyanova, Olena); de Queiroz, JH (de Queiroz, Jose Humberto); Colodette, JL (Colodette, Jorge Luiz): Cold alkaline extraction as a pretreatment for bioethanol production from eucalyptus, sugarcane bagasse and sugarcane straw. In: ENERGY CONVERSION AND MANAGEMENT Volume: 124 Pages: 315-324, WOS
55. [1.1] de Sa, AC (de Sa, Acelino Cardoso); Cipri, A (Cipri, Andrea); Gonzalez-Calabuig, A (Gonzalez-Calabuig, Andreu); Stradiotto, NR (Stradiotto, Nelson Ramos); del Valle, M (del Valle, Manel): Resolution of galactose, glucose, xylose and mannose in sugarcane bagasse employing a voltammetric electronic tongue formed by metals oxy-hydroxide/MWCNT modified electrodes. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 222 Pages: 645-653, WOS
56. [1.2] Brienzo, M., García-Aparicio, M., & Görgens, J. (2016). Spent coffee ground properties and application in bioenergy and bioproducts. In Coffee: Production, consumption and health benefits (Nova Science Publishers, chapter 4, pp. 67-96), SCOPUS
57. [1.2] De Souza, M. F., Teixeira, R. S. S. S., Da Silva, A. S., Ferreira-Leitão, V. S., & Da Silva Bon, E. P. (2016). Chlorine-free biomass processing: Enzymatic alternatives for bleaching and hydrolysis of lignocellulosic materials. In Chemistry beyond chlorine (Springer, chapter 8, pp. 241-268), SCOPUS
58. [1.2] Kleen, M., Pranovich, A., & Willför, S. (2016). Statistical modeling of pressurized hot-water batch extraction (PHWE) to produce hemicelluloses with desired properties. Holzforschung, 70(7), 633-640, SCOPUS
59. [1.2] Pletschke, B. I., Malgas, S., Bhattacharya, A., Bhattacharya-Shrivastava, A., Clarke, M. D., Mafa, M. S., Morake, S., Thoresen, M. (2016). Enzyme synergism: A powerful tool for decreasing enzyme loading for efficient biomass conversion. Paper presented at the European Biomass Conference and Exhibition Proceedings, 2016(24thEUBCE) p. 68-82., SCOPUS

60. [1.2] Sudhakar, K., Reddy, N. N., Rao, K. M., Moloi, S. J., Reddy, A. B., & Sadiku, E. R. (2016). Polyethylene/Hemicellulose-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 5, pp. 167-200), SCOPUS

ADCA176 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka. Zur Substituenten Verteilung in kationischen Xylan-Derivaten. In Angewandte Makromolekulare Chemie, 1996, vol. 242, p. 97-104. (0.674 - IF1995). (1996 - Current Contents). ISSN 0003-3146.

Citácie:

1. [1.1] Assaad, E (Assaad, Elias); Mateescu, MA (Mateescu, Mircea Alexandru): The influence of protonation ratio on properties of carboxymethyl starch excipient at various substitution degrees: Structural insights and drug release kinetics. In: INTERNATIONAL JOURNAL OF PHARMACEUTICS Volume: 394 Issue: 1-2 Pages: 75-84, WOS

2. [1.1] Assaad, E (Assaad, Elias); Wang, YJ (Wang, Yu Juan); Zhu, XX (Zhu, Xiao Xia); Mateescu, MA (Mateescu, Mircea Alexandru): Polyelectrolyte complex of carboxymethyl starch and chitosan as drug carrier for oral administration. In: CARBOHYDRATE POLYMERS Volume: 84 Issue: 4 Pages: 1399-1407, WOS

3. [1.1] Ding, CL (Ding, Cheng-Li); Ju, BZ (Ju, Ben-Zhi); Zhang, SF (Zhang, Shu-Fen): Preparation and Properties of Novel Starch Derivatives Containing the Sulfonic Acid of the Group and Carboxymethyl. In: ASIAN JOURNAL OF CHEMISTRY Volume: 26 Issue: 11 Pages: 3166-3170, WOS

4. [1.1] Friciu, MM (Friciu, Maria Mihaela); Le, TC (Tien Canh Le); Ispas-Szabo, P (Ispas-Szabo, Pompilia); Mateescu, MA (Mateescu, Mircea Alexandru): Carboxymethyl starch and lecithin complex as matrix for targeted drug delivery: I. Monolithic Mesalamine forms for colon delivery. In: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS Volume: 85 Issue: 3 Pages: 521-530, WOS

5. [1.1] Heinze, T (Heinze, Thomas); Daus, S (Daus, Stephan): Xylan and Xylan Derivatives - Basis of Functional Polymers for the Future. In. RENEWABLE RESOURCES FOR FUNCTIONAL POLYMERS AND BIOMATERIALS Book Series Title: RSC Polymer Chemistry Series Issue: 1 Pages: 88-129, WOS

6. [1.1] Ren, JL (Ren, Jun-Li); Sun, RC (Sun, Run-Cang): Hemicelluloses. In: CEREAL STRAW AS A RESOURCE FOR SUSTAINABLE BIOMATERIALS AND BIOFUELS: CHEMISTRY, EXTRACTIVES, LIGNINS, HEMICELLULOSES AND CELLULOSE Pages: 73-130, WOS

ADCA177 EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - ALFOLDI, Juraj - HŘÍBALOVÁ, V. The immunologically active xylan from ultrasound-treated corn cobs: extractability, structure and properies. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 1998, vol. 37, p. 231-239. (0.956 - IF1997). (1998 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Kawee-ai, A (Kawee-ai, Arthitaya); Srisuwun, A (Srisuwun, Aungkana); Tantiwa, N (Tantiwa, Nidtaya); Nontaman, W (Nontaman, Wimada); Boonchuay, P (Boonchuay, Pinpanit); Kuntiya, A (Kuntiya, Ampin); Chaiyaso, T (Chaiyaso, Thanongsak); Seesuriyachan, P (Seesuriyachan, Phisit): Eco-friendly processing in enzymatic xylooligosaccharides production from corncob: Influence of pretreatment with sonocatalytic-synergistic Fenton reaction and its antioxidant potentials. In: ULTRASONICS SONOCHEMISTRY Volume: 31 Pages: 184-192, WOS

2. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS

3. [3.1] Raman M., Ambalam P., Doble M. (2016). Bioactive Carbohydrate: Prebiotics and Colorectal Cancer. In Probiotics and Bioactive Carbohydrates in Colon Cancer Management (Springer, chapter 4, pp. 57-82

ADCA178 ERSHOV, V.G. - EBRINGEROVÁ, Anna. Investigation of radical products in radiolysis of xylan by EPR method. In Cellulose Chemistry and Technology, 1990, vol. 24, p. 351-357. ISSN 0576-9787.

Citácie:

1. [1.1] Shen, DK (Shen, Dekui); Jin, W (Jin, Wei); Hu, J (Hu, Jun); Xiao, R (Xiao, Rui); Luo, KH (Luo, Kaihong): An overview on fast pyrolysis of the main constituents in lignocellulosic biomass to valued-added chemicals: Structures, pathways and interactions. In: RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 51 Pages: 761-774, WOS

ADCA179 FARKAŠ, Pavol - KORCOVÁ, Jana, Vráblová - KRONEK, Juraj - BYSTRICKÝ, Slavomír. Preparation of synthetic polyoxazoline based carrier and Vibrio cholerae O-specific polysaccharide conjugate vaccine. In European Journal of Medicinal Chemistry, 2010, vol.45, p. 795-799. (3.269 - IF2009). (2010 - Current Contents). ISSN 0223-5234.

Citácie:

1. [1.1] MUZIKOVA, G. - LAGA, R. Macromolecular Systems for Vaccine Delivery. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2016, vol. 65, p. S203-S216., WOS

ADCA180 FARKAŠ, Pavol - ČÍŽOVÁ, Alžbeta - BEKEŠOVÁ, Slávka - BYSTRICKÝ, Slavomír. Comparison of EDC and DMTMM efficiency in glycoconjugate. In International Journal of Biological Macromolecules, 2013, vol. 60, p. 325-327. (2.596 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0141-8130.

Citácie:

1. [1.1] KUEHL, Christopher - ZHANG, Ti - KAMINSKAS, Lisa M. - PORTER, Christopher J. H. - DAVIES, Neal M. - FORREST, Laird - BERKLAND, Cory. Hyaluronic Acid Molecular Weight Determines Lung Clearance and Biodistribution after Instillation. In MOLECULAR PHARMACEUTICS. ISSN 1543-8384, 2016, vol. 13, no. 6, pp. 1904-1914., WOS

2. [1.1] WANG, Ping - ZHU, Xueke - YUAN, Jiugang - YU, Yuanyuan - CUI, Li - DUAN, Ying - WANG, Qiang - FAN, Xuerong. Grafting of Tyrosine-containing Peptide onto Silk Fibroin Membrane for Improving Enzymatic Reactivity. In FIBERS AND POLYMERS. ISSN 1229-9197, 2016, vol. 17, no. 9, pp. 1323-1329., WOS

ADCA181 FARKAŠ, Pavol - BYSTRICKÝ, Slavomír. Efficient activation of carboxyl polysaccharides for the preparation of conjugates. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 68, p. 187-190. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Liang, J (Liang, Jue); Karakocak, BB (Karakocak, Bedia Begum); Struckhoff, JJ (Struckhoff, Jessica J.); Ravi, N (Ravi, Nathan): Synthesis and Characterization of Injectable Sulfonate-Containing Hydrogels. In. BIOMACROMOLECULES Volume: 17 Issue: 12 Pages: 4064-4074, WOS

ADCA182 FARKAŠ, Vladimír. Structure and biosynthesis of fungal cell walls: methodological approaches. In Folia microbiologica, 2003, vol. 48, p. 469-478. (0.979 - IF2002). (2003 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Burmudzija, A (Burmudzija, Adrijana); Ratkovic, Z (Ratkovic, Zoran); Muskinja, J (Muskinja, Jovana); Jankovic, N (Jankovic, Nenad); Rankovic, B (Rankovic, Branislav); Kosanic, M (Kosanic, Marijana); Dordevic, S (Dordevic, Snezana): Ferrocenyl based pyrazoline derivatives with vanillic core: synthesis and investigation of their biological properties. In: RSC ADVANCES Volume: 6 Issue: 94 Pages: 91420-91430, WOS

2. [1.1] Delso, I (Delso, Ignacio); Valero-Gonzalez, J (Valero-Gonzalez, Jessika); Marca, E (Marca, Eduardo); Tejero, T (Tejero, Tomas); Hurtado-Guerrero, R (Hurtado-Guerrero, Ramon); Merino, P (Merino, Pedro): Rational Design of Glycomimetic Compounds Targeting the Saccharomyces cerevisiae Transglycosylase Gas2. In: CHEMICAL BIOLOGY & DRUG DESIGN Volume: 87 Issue: 2 Pages: 163-170, WOS

3. [1.1] Jankovic, N (Jankovic, Nenad); Muskinja, J (Muskinja, Jovana); Ratkovic, Z (Ratkovic, Zoran); Bugarcic, Z (Bugarcic, Zorica); Rankovic, B (Rankovic, Branislav); Kosanic, M (Kosanic, Marijana); Stefanovic, S (Stefanovic, Srdan): Solvent-free synthesis of novel vanillidene derivatives of Meldrum's acid: biological evaluation, DNA and BSA binding study. In: RSC ADVANCES Volume: 6 Issue: 45 Pages: 39452-39459, WOS

4. [1.1] Joksimovic, N (Joksimovic, Nenad); Baskic, D (Baskic, Dejan); Popovic, S (Popovic, Suzana); Zaric, M (Zaric, Milan); Kosanic, M (Kosanic, Marijana); Rankovic, B (Rankovic, Branislav); Stanojkovic, T (Stanojkovic, Tatjana); Novakovic, SB (Novakovic, Sladjana B.); Davidovic, G (Davidovic, Goran); Bugarcic, Z (Bugarcic, Zorica); Jankovic, N (Jankovic, Nenad): Synthesis, characterization, biological activity, DNA and BSA binding study: novel copper(II) complexes with 2-hydroxy-4-aryl-4-oxo-2-butenoate. In. DALTON TRANSACTIONS Volume: 45 Issue: 38 Pages: 15067-15077 DOI: 10.1039/c6dt02257j Published: 2016 ISSN: 1477-9226 eISSN: 1477-9234 Accession, WOS

5. [1.1] Koizhaiganova, M (Koizhaiganova, Meruyert); Yasa, I (Yasa, Ihsan); Gulumser, G (Gulumser, Gurbuz): Characterization and Antimicrobial Activity of Silver Doped Hydroxyapatite Obtained by the Microwave Method. In: MATERIALS SCIENCE-MEDZIAGOTYRA Volume: 22 Issue: 3 Pages: 403-408, WOS

6. [1.1] Kosanic, M (Kosanic, Marijana); Rankovic, B (Rankovic, Branislav); Rancic, A (Rancic, Aleksandar); Stanojkovic, T (Stanojkovic, Tatjana): : Evaluation of metal concentration and antioxidant, antimicrobial, and anticancer potentials of two edible mushrooms Lactarius deliciosus and Macrolepiota procera. In: JOURNAL OF FOOD AND DRUG ANALYSIS Volume: 24 Issue: 3 Pages: 477-484, WOS

7. [1.1] Kosanic, M (Kosanic, Marijana); Rankovic, B (Rankovic, Branislav); Stanojkovic, T (Stanojkovic, Tatjana); Stosic, I (Stosic, Ivana); Grujicic, D (Grujicic, Darko); Milosevic-Djordjevic, O (Milosevic-Djordjevic, Olivera): Lasallia pustulata lichen as possible natural antigenotoxic, antioxidant, antimicrobial and anticancer agent. In: CYTOTECHNOLOGY

Volume: 68 Issue: 4 Pages: 999-1008, WOS
8. [1.1] Muskinja, J (Muskinja, Jovana); Burmudzija, A (Burmudzija, Adrijana); Ratkovic, Z (Ratkovic, Zoran); Rankovic, B (Rankovic, Branislav); Kosanic, M (Kosanic, Marijana); Bogdanovic, GA (Bogdanovic, Goran A.); Novakovic, SB (Novakovic, Sladana B.): Ferrocenyl chalcones with O-alkylated vanillins: synthesis, spectral characterization, microbiological evaluation, and single-crystal X-ray analysis. In: MEDICINAL CHEMISTRY RESEARCH Volume: 25 Issue: 9 Pages: 1744-1753, WOS

ADCA183 FARKAŠ, Vladimír - BAUER, Štefan - VAGABOV, V.M. Biosynthesis of yeast mannan. Independent formation of carbohydrate moieties in the mannoprotein molecule. In Biochimica et Biophysica Acta, 1976, vol. 428, p. 583-590.

Citácie:
1. [1.1] del Barrio-Galan, R (del Barrio-Galan, Ruben); Medel-Maraboli, M (Medel-Maraboli, Marcela); Pena-Neira, A (Pena-Neira, Alvaro): Effect of different ageing techniques on the polysaccharide and phenolic composition and sensorial characteristics of Chardonnay white wines fermented with different selected Saccharomyces Cerevisiae yeast strains. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 7 Pages: 1069-1085, WOS

ADCA184 FARKAŠ, Vladimír. Biosynthesis of cell walls in fungi. In Microbiological Reviews, 1979, vol.43, p. 117-144. ISSN 0146-0749.

Citácie:
1. [1.1] Auxier, B (Auxier, Benjamin); Bazzicalupo, A (Bazzicalupo, Anna); Betz, E (Betz, Emily); Dee, JM (Dee, Jaclyn M.); Le Renard, L (Le Renard, Ludovic); Roushdy, MM (Roushdy, Mohamed M.); Schwartz, C (Schwartz, Cameron); Berbee, M (Berbee, Mary): No place among the living: phylogenetic considerations place the Palaeozoic fossil T.protuberans in Fungi but not in Dikarya. A comment on M. Smith (2016). In: BOTANICAL JOURNAL OF THE LINNEAN SOCIETY Volume: 182 Issue: 4 Pages: 723-728, WOS
2. [1.1] Xu, T (Xu, Ting); Zhu, TH (Zhu, Tianhui); Li, SJ (Li, Shujiang): beta-1,3-1,4-glucanase gene from Bacillus velezensis ZJ20 exerts antifungal effect on plant pathogenic fungi. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 2 Article Number: 26, WOS

ADCA185 FARKAŠ, Vladimír - MACLACHLAN, G. Stimulation of pea 1,4-ß-glucanase activity by oligosaccharides derived from xyloglucan. In Carbohydrate Research, 1988, vol. 184, p. 213-219. ISSN 0008-6215.

Citácie:
1. [1.1] Fernandes, JC (Fernandes, Joao C.); Goulao, LF (Goulao, Luis F.); Amancio, S (Amancio, Sara): Regulation of cell wall remodeling in grapevine (Vitis vinifera L.) callus under individual mineral stress deficiency. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 190 Pages: 95-105, WOS
2. [1.1] Wang, D (Wang, Damao); Kim, DH (Kim, Do Hyoung); Seo, N (Seo, Nari); Yun, EJ (Yun, Eun Ju); An, HJ (An, Hyun Joo); Kim, JH (Kim, Jae-Han); Kim, KH (Kim, Kyoung Heon): A Novel Glycoside Hydrolase Family 5 beta-1,3-1,6-Endoglucanase from Saccharophagus degradans 2-40(T) and Its Transglycosylase Activity. In: : APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 14 Pages: 4340-4349, WOS

ADCA186 FARKAŠ, Vladimír - ŠESTÁK, Sergej - GREŠÍK, Miroslav - KOLAROVA, Nadežda - LABUDOVÁ, Ivica - BAUER, Štefan. Induction of cellulase in Trichoderma reesei grown on lactose. In Acta Biotechnologica, 1987, vol. 7, p. 425-429.

Citácie:
1. [1.1] Callow, NV (Callow, Nicholas V.); Ray, CS (Ray, Christopher S.); Kelbly, MA (Kelbly, Matthew A.); Ju, LK (Ju, Lu-Kwang).: Nutrient control for stationary phase cellulase production in Trichoderma reesei Rut C-30. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 82 Pages: 8-14, WOS

ADCA187 FARKAŠ, Vladimír - LABUDOVÁ, I. - BAUER, Štefan - FERENCZY, L. Preparation of mutants of Trichoderma viride with increased production of cellulase. In Folia microbiologica, 1981, vol. 26, p. 129-132. ISSN 0015-5632.

Citácie:
1. [1.1] Gryshyna, A (Gryshyna, Anna); Kautto, L (Kautto, Liisa); Peterson, R (Peterson, Robyn); Nevalainen, H (Nevalainen, Helena): On the Safety of Filamentous Fungi with Special Emphasis on Trichoderma reesei and Products Made by Recombinant Means. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 441-457, WOS

ADCA188 FARKAŠ, Vladimír - LIŠKOVÁ, Mária - BIELY, Peter. Novel media for detection of microbial producers of cellulase and xylanase. In FEMS Microbiology Letters, 1985, vol.28, p. 137-140. ISSN 0378-1097.

Citácie:

1. [1.1] Akazawa, S (Akazawa, Shin-ichi); Ikarashi, Y (Ikarashi, Yuki); Yarimizu, J (Yarimizu, Jun); Yokoyama, K (Yokoyama, Keisuke); Kobayashi, T (Kobayashi, Tomoya); Nakazawa, H (Nakazawa, Hikaru); Ogasawara, W (Ogasawara, Wataru); Morikawa, Y (Morikawa, Yasushi): Characterization of two endoglucanases for the classification of the earthworm, Eisenia fetida Waki. In: BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY Volume: 80 Issue: 1 Pages: 55-66, WOS

ADCA189 FILIP, Jaroslav - TKÁČ, Ján. Effective bioelectrocatalysis of bilirubin oxidase on electrochemically reduced graphene oxide. In Electrochemistry Communications, 2014, vol. 49, p. 70-74. (4.287 - IF2013). (2014 - Current Contents). ISSN 1388-2481.

Citácie:

1. [1.1] Kumar, S (Kumar, Sandeep); Bhanjanaa, G (Bhanjanaa, Gaurav); Dilbaghi, N (Dilbaghi, Neeraj); Kumar, R (Kumar, Rajeev); Umar, A (Umar, Ahmad): Fabrication and characterization of highly sensitive and selective arsenic sensor based on ultra-thin graphene oxide nanosheets. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 227 Pages: 29-34, WOS

2. [1.1] Mazurenko, I (Mazurenko, Ievgen); Monsalve, K (Monsalve, Karen); Rouhana, J (Rouhana, Jad); Parent, P (Parent, Philippe); Laffon, C (Laffon, Carine); Le Goff, A (Le Goff, Alan); Szunerits, S (Szunerits, Sabine); Boukherroub, R (Boukherroub, Rabah); Giudici-Orticoni, MT (Giudici-Orticoni, Marie-Therese); Mano, N (Mano, Nicolas); Lojou, E (Lojou, Elisabeth): How the Intricate Interactions between Carbon Nanotubes and Two Bilirubin Oxidases Control Direct and Mediated O-2 Reduction. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 35 Pages: 23074-23085, WOS

3. [1.1] Rao, HH (Rao Honghong); Xue, ZH (Xue Zhonghua); Wang, XM (Wang Xuemei); Zhao, GH (Zhao Guohu); Hou, HH (Hou Huihui); Wang, H (Wang Hui): Electrochemical Sensors Based on Electrochemically Reduced Graphene Oxide. In: PROGRESS IN CHEMISTRY Volume: 28 Issue: 2-3 Pages: 337-352, WOS

ADCA190 FILIP, Jaroslav - ŠEFČOVIČOVÁ, Jana, Blahutová - TOMČÍK, Peter - GEMEINER, Peter - TKÁČ, Ján. A hyaluronic acid dispersed carbon nanotube electrode used for a mediatorless NADH sensing and biosensing. In Talanta, 2011, vol. 84, p. 355-361. (3.722 - IF2010). (2011 - Current Contents). ISSN 0039-9140.

Citácie:

1. [1.1] Burlaka, O (Burlaka, Olga); Yemets, A (Yemets, Alla); Pirko, Y (Pirko, Yaroslav); Blume, Y (Blume, Yaroslav): Non-covalent Functionalization of Carbon Nanotubes for Efficient Gene Delivery. In. NANOPHYSICS, NANOPHOTONICS, SURFACE STUDIES, AND APPLICATIONS Book Series Title: Springer Proceedings in Physics Volume: 183 Pages: 355-370, WOS

2. [1.1] Chen, Y (Chen, Yan); Yin, LL (Yin, Lingling); Li, YW (Li, YiWei); Ma, YH (Ma, Yaohong); Yang, JH (Yang, Junhui); Meng, QJ (Meng, Qingjun); Shi, JG (Shi, Jianguo): Determination of Reduced Nicotinamide Adenine Dinucleotide with a Protamine Multiwalled Carbon Nanotube Electrode. In: ANALYTICAL LETTERS Volume: 49 Issue: 2 Pages: 258-268, WOS

3. [1.1] Evtugyn, GA (Evtugyn, G. A.): Biosensor to Ensure Food Security and Environmental Control. In: BIOSENSORS FOR SUSTAINABLE FOOD - NEW OPPORTUNITIES AND TECHNICAL CHALLENGES Book Series Title: Wilson and Wilsons Comprehensive Analytical Chemistry Volume: 74 Pages: 121-152, WOS

4. [1.1] Inoue, Y (Inoue, Yuki); Hoshino, T (Hoshino, Tatsuya); Muguruma, H (Muguruma, Hitoshi): Electrochemical Behavior and Analytical Applications of Electronically Type-Sorted Carbon Nanotube Electrode. In: SENSORS AND MATERIALS Volume: 28 Issue: 1 Pages: 61-73, WOS

5. [1.1] Inoue, Y (Inoue, Yuki); Okazaki, Y (Okazaki, Yuta); Muguruma, H (Muguruma, Hitoshi); Inoue, H (Inoue, Hitoshi); Ohsawa, T (Ohsawa, Tatsuya): Simultaneous Electrochemical Determination of Nicotinamide Adenine Dinucleotide and Ascorbic Acid at Carbon Nanotube Electrode. In. ANALYTICAL SCIENCES Volume: 32 Issue: 7 Pages: 797-799, WOS

6. [1.1] Istrate, OM (Istrate, Oana-Maria); Rotariu, L (Rotariu, Lucian); Bala, C (Bala, Camelia): Electrochemical determination of NADH using screen printed carbon electrodes modified with reduced graphene oxide and poly(allylamine hydrochloride). In: MICROCHIMICA ACTA Volume: 183 Issue: 1 Pages: 57-65, WOS

ADCA191 FILIP, Jaroslav - TKÁČ, Ján. The pH dependence of the cathodic peak potential of the active sites in bilirubin oxidase. In Bioelectrochemistry, 2014, vol. 96, p. 14-20. (3.870 - IF2013). (2014 - Current Contents). ISSN 1567-5394.

Citácie:

1. [1.1] Radzevic, A (Radzevic, Aneta); Niaura, G (Niaura, Gediminas); Ignatjev, I (Ignatjev, Ilja); Rakickas, T (Rakickas, Tomas); Celiesiute, R (Celiesiute, Raimonda); Pauliukaite, R (Pauliukaite, Rasa): Electropolymerisation of the natural monomer riboflavin and its characterisation. In: ELECTROCHIMICA ACTA Volume: 222 Pages: 1818-1830, WOS

2. [1.1] Yang, Y (Yang Yang); Huo, WS (Huo Wen-Shan); Zhou, Z (Zhou Zheng); Zhang, Q

(Zhang Qi); Zeng, H (Zeng Han): Direct Electrochemistry of Electrode Modified with Thin Film of Laccase Immobilized in Nano-Composite of Polyaniline-CoC2O4. In: CHINESE JOURNAL OF INORGANIC CHEMISTRY Volume: 32 Issue: 12 Pages: 2117-2128, WOS

ADCA192 FILIP, Jaroslav - MONOSÍK, Rastislav - TKÁČ, Ján. Poly(lactic-acid)-based nanocomposite for construction of efficient bilirubin oxidase-based biocathodes and stable biofuel cells. In International Journal of Electrochemical Science, 2014, vol. 9, p. 2491-2560. (1.956 - IF2013). (2014 - Current Contents). ISSN 1452-3981.

Citácie:

1. [1.1] Wen, D (Wen, Dan); Eychmuller, A (Eychmueller, Alexander): Enzymatic Biofuel Cells on Porous Nanostructures. In: SMALL Volume: 12 Issue: 34 Special Issue: SI Pages: 4649-4661, WOS

ADCA193 FILIP, Jaroslav - ŠEFČOVIČOVÁ, Jana, Blahutová - GEMEINER, Peter - TKÁČ, Ján. Electrochemistry of bilirubin oxidase and its use in preparation of a low cost enzymatic biofuel cell based on a renewable composite binder chitosan. In Electrochimica Acta, 2013, vol. 87, p. 366-374. (3.777 - IF2012). (2013 - Current Contents). ISSN 0013-4686.

Citácie:

1. [1.1] Xia, HQ (Xia, Hong-qi); Kitazumi, Y (Kitazumi, Yuki); Shirai, O (Shirai, Osamu); Kano, K (Kano, Kenji): Enhanced direct electron transfer-type bioelectrocatalysis of bilirubin oxidase on negatively charged aromatic compound-modified carbon electrode. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 763 Pages: 104-109, WOS

ADCA194 FILIP, Jaroslav - TKÁČ, Ján. Is graphene worth using in biofuel cells? In Electrochimica Acta, 2014, vol. 136, p. 340-354. (4.086 - IF2013). (2014 - Current Contents). ISSN 0013-4686.

Citácie:

1. [1.1] Cai, WW (Cai, Weiwei); Liu, WZ (Liu, Wenzong); Han, JL (Han, Jinglong); Wang, AJ (Wang, Aijie): Enhanced hydrogen production in microbial electrolysis cell with 3D self-assembly nickel foam-graphene cathode. In: BIOSENSORS & BIOELECTRONICS Volume: 80 Pages: 118-122, WOS

2. [1.1] Campbell, AS (Campbell, Alan S.); Murata, H (Murata, Hironobu); Carmali, S (Carmali, Sheiliza); Matyjaszewski, K (Matyjaszewski, Krzysztof); Islam, MF (Islam, Mohammad F.); Russell, AJ (Russell, Alan J.): Polymer-based protein engineering grown ferrocene-containing redox polymers improve current generation in an enzymatic biofuel cell. In: BIOSENSORS & BIOELECTRONICS Volume: 86 Pages: 446-453, WOS

3. [1.1] Castro-Muniz, A (Castro-Muniz, Alberto); Hoshikawa, Y (Hoshikawa, Yasuto); Komiyama, H (Komiyama, Hiroshi); Nakayama, W (Nakayama, Wataru); Itoh, T (Itoh, Tetsuji); Kyotani, T (Kyotani, Takashi): Improving the Direct Electron Transfer in Monolithic Bioelectrodes Prepared by Immobilization of FDH Enzyme on Carbon-Coated Anodic Aluminum Oxide Films. In: FRONTIERS IN MATERIALS Volume: 3 Article Number: UNSP 7, WOS

4. [1.1] Di Bari, C (Di Bari, Chiara); Goni-Urtiaga, A (Goni-Urtiaga, Asier); Pita, M (Pita, Marcos); Shleev, S (Shleev, Sergey); Toscano, MD (Toscano, Miguel D.); Sainz, R (Sainz, Raquel); De Lacey, AL (De Lacey, Antonio L.): Fabrication of high surface area graphene electrodes with high performance towards enzymatic oxygen reduction. In: ELECTROCHIMICA ACTA Volume: 191 Pages: 500-509, WOS

5. [1.1] Golmohammadi, F (Golmohammadi, Farhad); Gharibi, H (Gharibi, Hussein); Sadeghi, S (Sadeghi, Sadegh): Synthesis and electrochemical characterization of binary carbon supported Pd3Co nanocatalyst for oxygen reduction reaction in direct methanol fuel cells. In: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: 41 Issue: 18 Pages: 7373-7387, WOS

6. [1.1] Korkut, S (Korkut, Seyda); Kilic, MS (Kilic, Muhammet Samet): Design of a mediated enzymatic fuel cell to generate power from renewable fuel sources. In: ENVIRONMENTAL TECHNOLOGY Volume: 37 Issue: 2 Pages: 163-171, WOS

7. [1.1] Mousset, E (Mousset, Emmanuel); Wang, ZX (Wang, Zuxin); Hammaker, J (Hammaker, Joshua); Lefebvre, O (Lefebvre, Olivier): Physico-chemical properties of pristine graphene and its performance as electrode material for electro-Fenton treatment of wastewater. In: ELECTROCHIMICA ACTA Volume: 214 Pages: 217-230, WOS

8. [1.1] Wen, D (Wen, Dan); Eychmuller, A (Eychmueller, Alexander): Enzymatic Biofuel Cells on Porous Nanostructures. In: SMALL Volume: 12 Issue: 34 Special Issue: SI Pages: 4649-4661, WOS

9. [1.1] Yang, Y (Yang, Yang); Mosquera, MA (Mosquera, Martin A.); Skinner, K (Skinner, Kwan); Becerra, AE (Becerra, Andres E.); Shamamian, V (Shamamian, Vasgen); Schatz, GC (Schatz, George C.); Ratner, MA (Ratner, Mark A.); Marks, TJ (Marks, Tobin J.): Electronic Structure and Potential Reactivity of Silaaromatic Molecules. In: JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 47 Pages: 9476-9488, WOS

10. [1.1] Zhang, XF (Zhang, Xiaofeng); Wang, XY (Wang, Xiaoying); Le, LJ (Le, Lijuan); Ma, A

(Ma, Ai); Lin, S (Lin, Shen): A Pd/PW12/RGO Composite Catalyst Prepared by Electro-Codeposition for Formic Acid Electro-Oxidation. In: JOURNAL OF THE ELECTROCHEMICAL SOCIETY Volume: 163 Issue: 2 Pages: F71-F78, WOS
11. [1.1] ul Haque, S (ul Haque, Sufia); Inamuddin (Inamuddin): A Concise Overview of Biofuel Cells. In: NEW POLYMERIC COMPOSITE MATERIALS: ENVIRONMENTAL, BIOMEDICAL, ACTUATOR AND FUEL CELL APPLICATIONS Book Series Title: Materials Research Foundations Pages: 122-173, WOS
12. [1.2] Chen, J., Sun, J., & Hu, Y. (2016). Recent advances in microbial fuel cells with graphene-modified electrodes and the antibacterial activity of graphene. Huanjing Kexue Xuebao/Acta Scientiae Circumstantiae, 36(2), 387-397, SCOPUS
13. [1.2] Serp, P., Machado, B. Heterogeneous catalysis on nanostructured carbon material supported catalysts (2015). In RSC Catalysis Series (Royal Society of Chemistry, chapter 7), 2015(23), 312-411, SCOPUS
14. [1.2] Xiao, L., & He, Z. (2015). Application of graphene-based materials to improve electrode performance in microbial fuel cells. In Graphene-based energy devices (Wiley-VCH, chapter 13, pp. 355-370), SCOPUS

ADCA195 FREIRE, F. - CUESTA, I. - CORZANA, F. - REVUELTA, J. - GONZÁLEZ, C. - HRICOVÍNI, Miloš - BASTIDA, A. - JIMÉNEZ-BARBERO, J. - ASENSIO, J.L. A simple NMR analysis of the protonation equilibrium that accompanies aminoglycoside recognition: Dramatic alternations in the neomycin-B protonation state upon binding to a 23-mer RNA aptamer. In Chemical Communications, 2007, issue 2, p. 174-176.

Citácie:

1. [1.1] Duchardt-Ferner, E (Duchardt-Ferner, Elke); Gottstein-Schmidtke, SR (Gottstein-Schmidtke, Sina R.); Weigand, JE (Weigand, Julia E.); Ohlenschlager, O (Ohlenschlaeger, Oliver); Wurm, JP (Wurm, Jan-Philip); Hammann, C (Hammann, Christian); Suess, B (Suess, Beatrix); Wohnert, J (Woehnert, Jens): What a Difference an OH Makes: Conformational Dynamics as the Basis for the Ligand Specificity of the Neomycin-Sensing Riboswitch. In: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 55 Issue: 4 Pages: 1527-1530, WOS

ADCA196 FRINGANT, C. - TVAROŠKA, Igor - MAZEAU, K. - RINAUDO, M. - DESBRIERES, J. Hydration of α-maltose and amylose: Molecular modelling and thermodynamics study. In Carbohydrate Research, 1995, vol. 278, p. 27-41. (1995 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Munir, H (Munir, Hira); Shahid, M (Shahid, Muhammad); Anjum, F (Anjum, Fozia); Mudgil, D (Mudgil, Deepak):Structural, thermal and rheological characterization of modified Dalbergia sissoo gum-A medicinal gum. In:INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 84 Pages: 236-245, WOS

ADCA197 FUJIMOTO, Zui - ICHINOSE, Hitomi - BIELY, Peter - KANEKO, Satoshi. Crystallization and preliminary crystallographic analysis of the glycoside hydrolase family 115 alfa-glucoronidase from Streptomyces pristinaespiralis. In Acta Crystallographica Section F, 2011, vol. F67, p. 68-71. (0.563 - IF2010). ISSN 1744-3091.

Citácie:

1. [1.1] Martinez, PM (Martinez, Patricia Murciano); Appeldoorn, MM (Appeldoorn, Maaike M.); Gruppen, H (Gruppen, Harry); Kabel, MA (Kabel, Mirjam A.): The two Rasamsonia emersonii alpha-glucuronidases, ReGH67 and ReGH115, show a different mode-of-action towards glucuronoxylan and glucuronoxylo-oligosaccharides. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 105, WOS
2. [1.1] Wang, WJ (Wang, Weijun); Yan, RY (Yan, Ruoyu); Nocek, BP (Nocek, Boguslaw P.); Vuong, TV (Vuong, Thu V.); Di Leo, R (Di Leo, Rosa); Xu, XH (Xu, Xiaohui); Cui, H (Cui, Hong); Gatenholm, P (Gatenholm, Paul); Toriz, G (Toriz, Guillermo); Tenkanen, M (Tenkanen, Maija); Savchenko, A (Savchenko, Alexei); Master, ER (Master, Emma R.): Biochemical and Structural Characterization of a Five-domain GH115-Glucuronidase from the Marine Bacterium Saccharophagus degradans 2-40(T). In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 27 Pages: 14120-14133, WOS
3. [1.2] Bajwa, P. K., Harrington, S., Dashtban, M., & Lee, H. (2016). Expression and characterization of glycosyl hydrolase family 115 α-glucuronidase from scheffersomyces stipitis. Industrial Biotechnology, 12(2), 98-104, SCOPUS

ADCA198 FUSKA, J. - PROKSA, B. - UHRÍN, Dušan. The antibiotics PSX-1 produced by Penicillium stipitatum is identical with botryodiplodine. In Folia microbiologica, 1988, vol. 33, p. 238-240. ISSN 0015-5632.

Citácie:

1. [1.1] Sukhorukov, AY (Sukhorukov, Alexey Yu.); Sukhanova, AA (Sukhanova, Anna A.); Zlotin, SG (Zlotin, Sergei G.): Stereoselective reactions of nitro compounds in the synthesis of natural

compound analogs and active pharmaceutical ingredients. In: TETRAHEDRON Volume: 72 Issue: 41 Pages: 6191-6281, WOS

ADCA199 GAJDOŠOVÁ, A. - PETRULÁKOVÁ, Z. - HAVRLENTOVÁ, M. - ČERVENÁ, V. - HOZOVÁ, B. - ŠTURDÍK, E. - KOGAN, Grigorij. The content of water-soluble and water-onsoluble beta-D-glucans in selected oats and barley varieties. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 70, s. 46-52. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Brennan, MA (Brennan, Margaret A.); Lan, TY (Lan, Tianying); Brennan, CS (Brennan, Charles S.): SYNERGISTIC EFFECTS OF BARLEY, OAT AND LEGUME MATERIAL ON PHYSICOCHEMICAL AND GLYCEMIC PROPERTIES OF EXTRUDED CEREAL BREAKFAST PRODUCTS. In: JOURNAL OF FOOD PROCESSING AND PRESERVATION Volume: 40 Issue: 3 Pages: 405-413, WOS

2. [1.1] Rebello, CJ (Rebello, Candida J.); O'Neil, CE (O'Neil, Carol E.); Greenway, FL (Greenway, Frank L.): Dietary fiber and satiety: the effects of oats on satiety. In: NUTRITION REVIEWS Volume: 74 Issue: 2 Pages: 131-147, WOS

3. [1.1] Sykut-Domanska, E (Sykut-Domanska, Emilia); Rzedzicki, Z (Rzedzicki, Zbigniew); Zarzycki, P (Zarzycki, Piotr); Sobota, A (Sobota, Aldona); Blaszczak, W (Blaszczak, Wioletta): Distribution of (1,3)(1,4)-beta-D-Glucans in Grains of Polish Oat Cultivars and Lines (Avena sativa L.) - Short Report. In: POLISH JOURNAL OF FOOD AND NUTRITION SCIENCES Volume: 66 Issue: 1 Pages: 51-56, WOS

4. [1.2] Mitmesser, S., & Combs, M. (2016). Prebiotics: Inulin and other oligosaccharides. In The microbiota in gastrointestinal pathophysiology: Implications for human health, prebiotics, probiotics, and dysbiosis (Academic Press, chapter 23, pp. 201-208), SCOPUS

ADCA200 GARAJOVÁ, Soňa - MATHIEU, Yann - BECCIA, Maria Rosa - BENNATI-GRANIER, Chloé - BIASO, Frédéric - FANUEL, Mathieu - ROPARTZ, David - GUIGLIARELLI, Bruno - RECORD, Eric - ROGNIAUX, Héléne - HENRISSAT, Bernard - BERRIN, Jean-Guy. Single-domain flavoenzymes trigger lytic polysaccharide monooxygenases for oxidative degradation of cellulose. In Scientific Reports, 2016, vol. 6, art. no. 28276. (5.228 - IF2015). (2016 - Current Contents). ISSN 2045-2322.

Citácie:

1. [1.1] Frandsen, KEH (Frandsen, Kristian E. H.); Lo Leggio, L (Lo Leggio, Leila): Lytic polysaccharide monooxygenases: a crystallographer's view on a new class of biomass-degrading enzymes. In: IUCRJ Volume: 3 Pages: 448-467, WOS

2. [1.1] Johansen, KS (Johansen, Katja Salomon): Lytic Polysaccharide Monooxygenases: The Microbial Power Tool for Lignocellulose Degradation. In: TRENDS IN PLANT SCIENCE Volume: 21 Issue: 11 Pages: 926-936, WOS

3. [1.1] Kojima, Y (Kojima, Yuka); Varnai, A (Varnai, Aniko); Ishida, T (Ishida, Takuya); Sunagawa, N (Sunagawa, Naoki); Petrovic, DM (Petrovic, Dejan M.); Igarashi, K (Igarashi, Kiyohiko); Jellison, J (Jellison, Jody); Goodell, B (Goodell, Barry); Alfredsen, G (Alfredsen, Gry); Westereng, B (Westereng, Bjorge); Eijsink, VGH (Eijsink, Vincent G. H.); Yoshida, M (Yoshida, Makoto): A Lytic Polysaccharide Monooxygenase with Broad Xyloglucan Specificity from the Brown-Rot Fungus Gloeophyllum trabeum and Its Action on Cellulose-Xyloglucan Complexes. In: APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 22 Pages: 6557-6572, WOS

4. [1.1] Nekiunaite, L (Nekiunaite, Laura); Arntzen, MO (Arntzen, Magnus O.); Svensson, B (Svensson, Birte); Vaaje-Kolstad, G (Vaaje-Kolstad, Gustav); Abou Hachem, M (Abou Hachem, Maher): Lytic polysaccharide monooxygenases and other oxidative enzymes are abundantly secreted by Aspergillus nidulans grown on different starches. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 187, WOS

ADCA201 GEMEINER, Peter - KUNIAK, Ľudovít - ZEMEK, Juraj. Preparation of p-aminobenzyl cellulose and its utilization for immobilization of enzymes. In Collection of Czechoslovak Chemical Communications, 1980, vol. 45, p. 2847-2854. ISSN 0010-0765.

Citácie:

1. [1.1] Heinze, T (Heinze, Thomas); Siebert, M (Siebert, Melanie); Berlin, P (Berlin, Peter); Koschella, A (Koschella, Andreas): Biofunctional Materials Based on Amino Cellulose Derivatives - A Nanobiotechnological Concept. In. MACROMOLECULAR BIOSCIENCE Volume: 16 Issue: 1 Pages: 10-42, WOS

ADCA202 GEMEINER, Peter - ŠPÁNIK, V. - ŠNAJDROVÁ, A. - STRATILOVÁ, Eva - HORVÁTHOVÁ, M. - HAGAROVÁ, D. - MARKOVIČ, Oskar. Use of cellulose beads derivatives to isolation of bacterial alkaline proteinase by liquid chromatography. In Folia microbiologica, 1991, vol. 36, p. 283-293. (0.545 - IF1990). (1991 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Trivedi, P (Trivedi, Poonam); Trygg, J (Trygg, Jani); Saloranta, T (Saloranta, Tiina); Fardim, P (Fardim, Pedro): Synthesis of novel zwitterionic cellulose beads by oxidation and coupling chemistry in water. In: CELLULOSE Volume: 23 Issue: 3 Pages: 1751-1761, WOS

ADCA203 GEMEINER, Peter - ŠTEFUCA, V. - BÁLEŠ, V. Biochemical engineering of biocatalysts immobilized on cellulosic materials. In Enzyme and Microbial Technology, 1993, vol. 15, p. 551-566. ISSN 0141-0229.

Citácie:

1. [1.1] Murguia-Flores, DA (Murguia-Flores, Dennise A.); Bonilla-Rios, J (Bonilla-Rios, Jaime); Canales-Fiscal, MR (Canales-Fiscal, Martha R.); Sanchez-Fernandez, A (Sanchez-Fernandez, Antonio): Protein adsorption through Chitosan-Alginate membranes for potential applications. In: CHEMISTRY CENTRAL JOURNAL Volume: 10 Article Number: 26, WOS

ADCA204 GEMEINER, Peter - BREIER, Albert. Aldehydic derivatives of bead cellulose-Relationship between the matrix structure and function in immobilization of enzymes catalyzing hydrolysis of high molecular substrates. In Biotechnol.Bioeng, 1982, vol. 24, p. 2573-2583.

Citácie:

1. [1.1] Lindh, J (Lindh, Jonas); Ruan, CQ (Ruan, Changqing); Stromme, M (Stromme, Maria); Mihranyan, A (Mihranyan, Albert): Preparation of Porous Cellulose Beads via Introduction of Diamine Spacers. In: LANGMUIR Volume: 32 Issue: 22 Pages: 5600-5607, WOS

ADCA205 GEMEINER, Peter - POLAKOVIC, M. - MISLOVIČOVÁ, Danica - ŠTEFUCA, V. Cellulose as an (bio) affinity carrier: properties, design and application. In Journal of Chromatography. B.Biomedical Applications, 1998, vol. 715, no. 1, p. 245-271. (1.588 - IF1997). (1998 - Current Contents, MEDLINE). ISSN 0378-4347.

Citácie:

1. [1.1] Gupta, VK (Gupta, Vinod Kumar); Gupta, D (Gupta, Divya); Agarwal, S (Agarwal, Shilpi); Kothiyal, NC (Kothiyal, N. C.); Asif, M (Asif, M.); Sood, S (Sood, Swadeep); Pathania, D (Pathania, Deepak): Fabrication of chitosan-g-poly(acrylamide)/Cu nanocomposite for the removal of Pb(II) from aqueous solutions. In: JOURNAL OF MOLECULAR LIQUIDS Volume: 224 Pages: 1319-1325, WOS

2. [1.1] Lindh, J (Lindh, Jonas); Ruan, CQ (Ruan, Changqing); Stromme, M (Stromme, Maria); Mihranyan, A (Mihranyan, Albert): Preparation of Porous Cellulose Beads via Introduction of Diamine Spacers. In: LANGMUIR Volume: 32 Issue: 22 Pages: 5600-5607, WOS

ADCA206 GEMEINER, Peter - MISLOVIČOVÁ, Danica - TKÁČ, Ján - ŠVITEL, Juraj - PÄTOPRSTÝ, Vladimir - HRABÁROVÁ, Eva - KOGAN, Grigorij - KOŽÁR, Tibor. Lectinomics II. A highway to biomedical/clinical diagnostics. In Biotechnology Advances, 2009, vol. 27, no. 1, p. 1-15. (6.110 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0734-9750.

Citácie:

1. [1.1] Park, H (Park, H.); Walta, S (Walta, S.); Rosencrantz, RR (Rosencrantz, R. R.); Korner, A (Koerner, A.); Schulte, C (Schulte, C.); Elling, L (Elling, L.); Richtering, W (Richtering, W.); Boker, A (Boeker, A.): Micelles from self-assembled double-hydrophilic PHEMA-glycopolymer-diblock copolymers as multivalent scaffolds for lectin binding. In: POLYMER CHEMISTRY Volume: 7 Issue: 4 Pages: 878-886, WOS

2. [1.1] Sousa, BL (Sousa, Bruno L.); Silva, JC (Silva-Filho, Jose C.); Kumar, P (Kumar, Prashant); Graewert, MA (Graewert, Melissa A.); Pereira, RI (Pereira, Ronniery I.); Cunha, RMS (Cunha, Rodrigo M. S.); Nascimento, KS (Nascimento, Kyria S.); Bezerra, GA (Bezerra, Gustavo A.); Delatorre, P (Delatorre, Plinio); Djinovic-Carugo, K (Djinovic-Carugo, Kristina); Nagano, CS (Nagano, Celso S.); Gruber, K (Gruber, Karl); Cavada, BS (Cavada, Benildo S.): Structural characterization of a Vatairea macrocarpa lectin in complex with a tumor-associated antigen: A new tool for cancer research. In: INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY Volume: 72 Pages: 27-39, WOS

3. [1.1] Syed, P (Syed, Parvez); Gidwani, K (Gidwani, Kamlesh); Kekki, H (Kekki, Henna); Leivo, J (Leivo, Janne); Pettersson, K (Pettersson, Kim); Lamminmaki, U (Lamminmaki, Urpo): Role of lectin microarrays in cancer diagnosis. In: PROTEOMICS Volume: 16 Issue: 8 Special Issue: SI Pages: 1257-1265, WOS

ADCA207 GHOSH, Debjani - BANDYOPADHYAY, Shruti S. - CHATTERJEE, Udipta R. - CAPEK, Peter - RAY, Bimalendu. Carbohydrate polymers of chirata (Swertia chirata) leaves: Structural features, in vitro anti-oxidant activity and fluorescence quenching study. In Food Science and Technology, 2012, vol. 21, p. 409-417. (0.493 - IF2011). ISSN 1226-7708.

Citácie:

1. [1.1] Kumar, V (Kumar, Vijay); Van Staden, J (Van Staden, Johannes): A Review of Swertia chirayita (Gentianaceae) as a Traditional Medicinal Plant. In:FRONTIERS IN PHARMACOLOGY Volume: 6 Article Number: 308, WOS

ADCA208 GILLI, R. - KAČURÁKOVÁ, Marta - MATHLOUTHI, M. - NAVARINI, L. - PAOLETTI, S. FTIR studies of sodium hyaluronate and its oligomers in the amorphous solid-phase and in aqueous-

solution. In Carbohydrate Research, 1994, vol. 263, no. 2, p. 315-326. ISSN 0008-6215.

Citácie:

1. [1.1] Hu, QH (Hu, Qinghua); Zeng, F (Zeng, Fang); Wu, SZ (Wu, Shuizhu): A ratiometric fluorescent probe for hyaluronidase detection via hyaluronan-induced formation of red-light emitting excimers. In. BIOSENSORS & BIOELECTRONICS Volume: 79 Pages: 776-783, WOS

2. [1.1] Kim, M (Kim, Manse); Hwang, Y (Hwang, Youngmin); Tae, G (Tae, Giyoong): The enhanced anti-tissue adhesive effect of injectable pluronic-HA hydrogel by poly(gamma-glutamic acid). In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Special Issue: SI Pages: 1603-1611, WOS

3. [1.1] Yu, Y (Yu, Ying); Wang, YF (Wang, Yafei); Lu, C (Lu, Chen); Long, D (Long, Dan); Zhang, Q (Zhang, Qiang); Yan, SQ (Yan, Shuqin); You, RC (You, Renchuan); Li, MZ (Li, Mingzhong): Chondrogenic Differentiation of Rat Mesenchymal Stem Cells on Silk Fibroin/Chondroitin Sulfate/Hyaluronic Acid Ternary Scaffolds. In: FIBERS AND POLYMERS Volume: 17 Issue: 3 Pages: 324-332, WOS

ADCA209 GREGOROVÁ, Adriana - KOŠÍKOVÁ, Božena - STAŠKO, A. Radical scavenging capacity of lignin and its effect on processing stabilization of virgin and recycled polypropylene. In Journal of Applied Polymer Science, 2007, vol. 106, p. 1626-1631. (1.306 - IF2006). (2007 - Current Contents). ISSN 0021-8995.

Citácie:

1. [1.1] Berstis, L (Berstis, Laura); Elder, T (Elder, Thomas); Crowley, M (Crowley, Michael); Beckham, GT (Beckham, Gregg T.): Radical Nature of C-Lignin. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5327-5335, WOS

2. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS

3. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

4. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS

5. [1.1] Gadioli, R (Gadioli, Renan); Waldman, WR (Waldman, Walter Ruggeri); De Paoli, MA (De Paoli, Marco Aurelio): Lignin as a green primary antioxidant for polypropylene. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 45 Special Issue: SI Article Number: 43558, WOS

6. [1.1] Ye, DZ (Ye, Dezhan); Li, S (Li, Shuai); Lu, XM (Lu, Xiaomin); Zhang, X (Zhang, Xi); Rojas, OJ (Rojas, Orlando J.): Antioxidant and Thermal Stabilization of Polypropylene by Addition of Butylated Lignin at Low Loadings. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5248-5257, WOS

ADCA210 GREGOROVÁ, Adriana - KOŠÍKOVÁ, Božena - MORAVČÍK, R. Stabilization effect of lignin in natural rubber. In Polymer Degradation and Stability, 2006, vol. 91, p. 229-233. (1.749 - IF2005). (2006 - Current Contents). ISSN 0141-3910.

Citácie:

1. [1.1] Antczak, A (Antczak, Andrzej); Radomski, A (Radomski, Andrzej); Drozdzek, M (Drozdzek, Michal); Zawadzki, J (Zawadzki, Janusz); Zielenkiewicz, T (Zielenkiewicz, Tomasz): THERMAL AGEING OF CELLULOSE WITH NATURAL AND SYNTHETIC ANTIOXIDANTS UNDER VARIOUS CONDITIONS. In: DREWNO Volume: 59 Issue: 196 Pages: 139-152, WOS

2. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

3. [1.1] Kakroodi, AR (Kakroodi, Adel R.); Sain, M (Sain, Mohini): Lignin-Reinforced Rubber Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 195-206, WOS

4. [1.1] Kirschweng, B (Kirschweng, B.); Bencze, K (Bencze, K.); Sarkozi, M (Sarkoezi, M.); Hegely, B (Hegely, B.); Samu, G (Samu, Gy.); Hari, J (Hari, J.); Tatraaljai, D (Tatraaljai, D.); Foldes, E (Foeldes, E.); Kallay, M (Kallay, M.); Pukanszky, B (Pukanszky, B.): Melt stabilization of polyethylene with dihydromyricetin, a natural antioxidant. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 192-200, WOS

5. [1.1] Naseem, A (Naseem, Amina); Tabasum, S (Tabasum, Shazia); Zia, KM (Zia, Khalid

Mahmood); Zuber, M (Zuber, Mohammad); Ali, M (Ali, Muhammad); Noreen, A (Noreen, Aqdas): Lignin-derivatives based polymers, blends and composites: A review. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 296-313, WOS
6. [1.1] Salanti, A (Salanti, Anika); Zoia, L (Zoia, Luca); Zanini, S (Zanini, Stefano); Orlandi, M (Orlandi, Marco) Synthesis and characterization of lignin-silicone hybrid polymers as possible consolidants for decayed wood. In: WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 1 Pages: 117-134, WOS
7. [1.1] Wang, K (Wang, K.); Loo, LS (Loo, L. S.); Goh, KL (Goh, K. L.): A facile method for processing lignin reinforced chitosan biopolymer microfibres: optimising the fibre mechanical properties through lignin type and concentration. In: MATERIALS RESEARCH EXPRESS Volume: 3 Issue: 3 Article Number: UNSP 035301, WOS
8. [1.1] Ye, DZ (Ye, De-zhan); Jiang, L (Jiang, Li); Hu, XQ (Hu, Xiao-qin); Zhang, MH (Zhang, Ming-hua); Zhang, X (Zhang, Xi): Lignosulfonate as reinforcement in polyvinyl alcohol film: Mechanical properties and interaction analysis. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 83 Pages: 209-215, WOS
9. [1.1] Ye, DZ (Ye, Dezhan); Li, S (Li, Shuai); Lu, XM (Lu, Xiaomin); Zhang, X (Zhang, Xi); Rojas, OJ (Rojas, Orlando J.): Antioxidant and Thermal Stabilization of Polypropylene by Addition of Butylated Lignin at Low Loadings. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5248-5257, WOS
10. [1.1] Yu, P (Yu, Peng); He, H (He, Hui); Jia, YC (Jia, Yunchao); Tian, SH (Tian, Shenghui); Chen, J (Chen, Jian); Jia, DM (Jia, Demin); Luo, YF (Luo, Yuanfang): A comprehensive study on lignin as a green alternative of silica in natural rubber composites. In: POLYMER TESTING Volume: 54 Pages: 176-185, WOS
11. [1.1] Zhang, YH (Zhang, Yinhang); Fei, D (Fei, Deng); Xin, G (Xin, Ge); Cho, UR (Cho, Ur-Ryong): Surface modification of novel rice bran carbon functionalized with (3-Mercaptopropyl) trimethoxysilane and its influence on the properties of styrene-butadiene rubber composites. In: JOURNAL OF COMPOSITE MATERIALS Volume: 50 Issue: 21 Pages: 2987-2999, WOS
12. [1.1] Zhou, HF (Zhou, Haifeng); Yang, DJ (Yang, Dongjie); Zhu, JY (Zhu, J. Y.): Molecular Structure of Sodium Lignosulfonate from Different Sources and their Properties as Dispersant of TiO2 Slurry. In: JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY Volume: 37 Issue: 2 Pages: 296-303, WOS

ADCA211 GREGOROVÁ, Adriana - CIBULKOVÁ, Z. - KOŠÍKOVÁ, Božena - ŠIMON, P. Stabilization effect of lignin in polypropylene and recycled polypropylene. In Polymer Degradation and Stability, 2005, vol.89, p. 553-558. (1.685 - IF2004). (2005 - Current Contents). ISSN 0141-3910.

Citácie:

1. [1.1] Borysiak, S (Borysiak, Slawomir); Klapiszewski, L (Klapiszewski, Lukasz); Bula, K (Bula, Karol); Jesionowski, T (Jesionowski, Teofil): Nucleation ability of advanced functional silica/lignin hybrid fillers in polypropylene composites. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 1 Pages: 251-262 DOI: 10.1007/s10973-016-5390-1 Published: OCT 2016 ISSN: 1388-6150 eISSN: 1572, WOS
2. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: : LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS
3. [1.1] Gong, SD (Gong, Sheng-Dong); Huang, Y (Huang, Yun); Cao, HJ (Cao, Hai-Jun); Lin, YH (Lin, Yuan-Hua); Li, Y (Li, Yang); Tang, SH (Tang, Shui-Hua); Wang, MS (Wang, Ming-Shan); Li, X (Li, Xing): A green and environment-friendly gel polymer electrolyte with higher performances based on the natural matrix of lignin. In: JOURNAL OF POWER SOURCES Volume: 307 Pages: 624-633, WOS
4. [1.1] Hamour, N (Hamour, Noura); Boukerrou, A (Boukerrou, Amar); Bourmaud, A (Bourmaud, Alain); Djidjelli, H (Djidjelli, Hocine); Grohens, Y (Grohens, Yves): EFFECT OF ALFA FIBER TREATMENT AND MAPP COMPATIBILIZATION ON THERMAL AND MECHANICAL PROPERTIES OF POLYPROPYLENE/ALFA FIBER COMPOSITES. In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 9-10 Pages: 1069-1076, WOS
5. [1.1] Joy, J (Joy, Jithin); Wilson, R (Wilson, Runcy); Mathew, PL (Mathew, P. Lovely); Thomas, S (Thomas, Sabu): NATURAL POLYMER BLENDS AND THEIR COMPOSITES: MICRO AND NANO STRUCTURED POLYMER SYSTEMS. In: MICRO- AND NANOSTRUCTURED POLYMER SYSTEMS: FROM SYNTHESIS TO APPLICATIONS Pages: 1-17, WOS
6. [1.1] Liang, XC (Liang, Xiaocong); Liu, J (Liu, Jun); Fu, Y (Fu, Yan); Chang, J (Chang, Jie): Influence of anti-solvents on lignin fractionation of eucalyptus globulus via green solvent system pretreatment. In: SEPARATION AND PURIFICATION TECHNOLOGY Volume: 163 Pages: 258-266, WOS

7. [1.1] Luo, SP (Luo, Shupin); Cao, JZ (Cao, Jinzhen); McDonald, AG (McDonald, Armando G.): Interfacial Improvements in a Green Biopolymer Alloy of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and Lignin via in Situ Reactive Extrusion. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 6 Pages: 3465-3476, WOS
8. [1.1] Naushad, M (Naushad, Md.); Nayak, SK (Nayak, Sanjay K.); Mohanty, S (Mohanty, Smita); Kalita, H (Kalita, Hemjyoti); Panda, BP (Panda, Bishnu P.): Damage tolerance behaviour of cloisite 15A incorporated recycled polypropylene nanocomposites and bionanocomposites. In: JOURNAL OF EXPERIMENTAL NANOSCIENCE Volume: 11 Issue: 14 Pages: 1110-1126, WOS
9. [1.1] Peng, Y (Peng, Yao); Cao, JZ (Cao, Jinzhen): Photochemical Process of Wood-Thermoplastic Composites. In: PHOTOCHEMICAL BEHAVIOR OF MULTICOMPONENT POLYMERIC-BASED MATERIALS Book Series Title: Advanced Structured Materials Volume: 26 Pages: 291-346, WOS
10. [1.1] Peng, Y (Peng, Yao); Wang, W (Wang, Wen); Cao, JZ (Cao, Jinzhen): Preparation of Lignin-Clay Complexes and Its Effects on Properties and Weatherability of Wood Flour/Polypropylene Composites. In: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 55 Issue: 36 Pages: 9657-9666, WOS
11. [1.1] Ye, DZ (Ye, Dezhan); Li, S (Li, Shuai); Lu, XM (Lu, Xiaomin); Zhang, X (Zhang, Xi); Rojas, OJ (Rojas, Orlando J.): Antioxidant and Thermal Stabilization of Polypropylene by Addition of Butylated Lignin at Low Loadings. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5248-5257, WOS
12. [1.2] Reddy, A. B., Manjula, B., Sudhakar, K., Sivanjineyulu, V., Jayaramudu, T., & Sadiku, E. R. (2016). In Polyethylene/Other biomaterials-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 7, pp. 279-314), SCOPUS

ADCA212 GREŠÍK, Miroslav - KOLAROVA, Nadežda - FARKAŠ, Vladimír. Light stimulated phosphorylation of proteins in cell-free extracts from Trichoderma viride. In FEBS Letters, 1989, vol. 248, p. 185-187. (3.566 - IF1988). (1989 - Current Contents, WOS, SCOPUS). ISSN 0014-5793.

Citácie:

1. [1.1] Schmoll, M (Schmoll, Monika); Dattenbock, C (Dattenboeck, Christoph); Carreras-Villasenor, N (Carreras-Villasenor, Nohem); et al. : The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three Trichoderma Species. In: MICROBIOLOGY AND MOLECULAR BIOLOGY REVIEWS Volume: 80 Issue: 1 Pages: 205-327, WOS

ADCA213 GREŠÍK, Miroslav - KOLAROVA, Nadežda - FARKAŠ, Vladimír. Hyperpolarization and intracellular acidification in Trichoderma viride as a response to illumination. In Journal of General Microbiology, 1991, vol. 137, . p. 2605-2609.

Citácie:

1. [1.1] Daryaei, A (Daryaei, Amir); Jones, EE (Jones, E. Eirian); Glare, TR (Glare, Travis R.); Falloon, RE (Falloon, Richard E.): pH and water activity in culture media affect biological control activity of Trichoderma atroviride against Rhizoctonia solani. In: BIOLOGICAL CONTROL Volume: 92 Pages: 24-30, WOS

ADCA214 GREŠÍK, Miroslav - KOLAROVA, Nadežda - FARKAŠ, Vladimír. Membrane-potential, ATP, and cyclic-AMP changes induced by light in Trichoderma viride. In Experimental Mycology, 1988, vol.12, p. 295-301.

Citácie:

1. [1.1] Stappler, E (Stappler, Eva); Rodriguez-Iglesias, A (Rodriguez-Iglesias, Aroa); Bazafkan, H (Bazafkan, Hoda); Li, GF (Li, Guofen); Schmoll, M (Schmoll, Monika): Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 309-334, WOS
2. [1.2] Nakkeeran, S., Renukadevi, P., & Aiyanathan, K. E. A. (2016). Exploring the potential of trichoderma for the management of seed and soil-borne diseases of crops. In Integrated pest management of tropical vegetable crops (Springer, chapter 4, pp. 77-130), SCOPUS

ADCA215 GROSSMANN, E. - ŠEFČOVIČ, P. - SZÁSZ, K. Picrinine in Vinca minor. In Phytochemistry, 1973, vol. 12, p. 2058-2058. ISSN 0031-9422.

Citácie:

1. [1.1] Levac, D (Levac, Dylan); Cazares, P (Cazares, Paulo); Yu, F (Yu, Fang); De Luca, V (De Luca, Vincenzo): A Picrinine N-Methyltransferase Belongs to a New Family of gamma-Tocopherol-Like Methyltransferases Found in Medicinal Plants That Make Biologically Active Monoterpenoid Indole Alkaloids. In: PLANT PHYSIOLOGY Volume: 170 Issue: 4 Pages: 1935-1944, WOS

ADCA216 GUERRINI, M. - HRICOVÍNI, Miloš - TORRI, G. Interaction of heparins with fibroblast growth factors. Conformational aspects. In Current Pharmaceutical Design, 2007, vol.13, p. 2045-2056.

(5.270 - IF2006). (2007 - Current Contents). ISSN 1381-6128.

Citácie:

1. [1.1] Pomin, VH (Pomin, Vitor H.): Paradigms in the structural biology of the mitogenic ternary complex FGF:FGFR:heparin. In: BIOCHIMIE Volume: 127 Pages: 214-226, WOS

2. [1.2] Peterson, E. J., Daniel, A. G., Katner, S. J., Bohlmann, L., Chang, C. W., Bezos, A., Parish, C. R., Von Itzstein, M., Berners-Price, S. J., Farrell, N. P. (2016). Antiangiogenic platinum through glycan targeting. Chemical Science, 8(1), 241-252, SCOPUS

ADCA217 GUERRINI, M. - AGULLES, T. - BISIO, A. - HRICOVÍNI, Miloš - LAY, L. - NAGGI, A. - POLETTI, L. - STURIALE, L. - TORRI, G. - CASU, B. Minimal heparin/heparan sulfate sequences for binding to fibroblast growth factor-1. In Biochemical and biophysical research communications, 2002, vol. 292, p. 222-230. ISSN 0006-291X.

Citácie:

1. [1.1] Pomin, VH (Pomin, Vitor H.): Paradigms in the structural biology of the mitogenic ternary complex FGF:FGFR:heparin. In: BIOCHIMIE Volume: 127 Pages: 214-226, WOS

ADCA218 GUGLIERI, S. - HRICOVÍNI, Miloš - RAMAN, R. - POLITO, L. - TORRI, G. - CASU, B. - SASISEKHARAN, R. - GUERRINI, M. Minimum FGF2 binding structural requirements of heparin and heparan sulfate oligosaccharides as determined by NMR spectroscopy. In Biochemistry, 2008, vol.47, p. 13862-13869. (3.368 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0006-2960.

Citácie:

1. [1.1] Huang, RR (Huang, Rongrong); Zong, CL (Zong, Chengli); Venot, A (Venot, Andre); Chiu, YL (Chiu, Yulun); Zhou, DD (Zhou, Dandan); Boons, GJ (Boons, Geert-Jan); Sharp, JS (Sharp, Joshua S.): De Novo Sequencing of Complex Mixtures of Heparan Sulfate Oligosaccharides. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 10 Pages: 5299-5307, WOS

2. [1.1] Pomin, VH (Pomin, Vitor H.): Paradigms in the structural biology of the mitogenic ternary complex FGF:FGFR:heparin. In: BIOCHIMIE Volume: 127 Pages: 214-226, WOS

3. [1.2] Wall, J. S., Williams, A., Wooliver, C., Martin, E. B., Cheng, X., Heidel, R. E., & Kennel, S. J. (2016). Secondary structure propensity and chirality of the amyloidophilic peptide p5 and its analogues impacts ligand binding - in vitro characterization. Biochemistry and Biophysics Reports, 8, 89-99, SCOPUS

ADCA219 GULLÓN, P. - GONZALEZ-MUŇOZ, M.J. - VAN GOOL, M.P. - SCHOLS, H.A. - HIRSCH, Ján - EBRINGEROVÁ, Anna - PARAJÓ, J.C. Production, refining, structural characterization and fermentability of rice husk xylooligosaccharides. In Journal of agricultural and food chemistry, 2010, vol. 58, p. 3632-3641. (2.469 - IF2009). (2010 - Current Contents). ISSN 0021-8561.

Citácie:

1. [1.1] Basinskiene, L (Basinskiene, Loreta); Juodeikiene, G (Juodeikiene, Grazina); Vidmantiene, D (Vidmantiene, Daiva); Tenkanen, M (Tenkanen, Maija); Makaravicius, T (Makaravicius, Tomas); Bartkiene, E (Bartkiene, Elena): Non-Alcoholic Beverages from Fermented Cereals with Increased Oligosaccharide Content, WOS

2. [1.1] Chen, MH (Chen, Ming-Hsu); Bowman, MJ (Bowman, Michael J.); Cotta, MA (Cotta, Michael A.); Dien, BS (Dien, Bruce S.); Iten, LB (Iten, Loren B.); Whitehead, TR (Whitehead, Terence R.); Rausch, KD (Rausch, Kent D.); Tumbleson, ME (Tumbleson, M. E.); Singh, V (Singh, Vijay): Miscanthus x giganteus xylooligosaccharides: Purification and fermentation. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 96-103, WOS

3. [1.1] Chen, MH (Chen, Ming-Hsu); Swanson, KS (Swanson, Kelly S.); Fahey, GC (Fahey, George C., Jr.); Dien, BS (Dien, Bruce S.); Beloshapka, AN (Beloshapka, Alison N.); Bauer, LL (Bauer, Laura L.); Rausch, KD (Rausch, Kent D.); Tumbleson, ME (Tumbleson, M. E.); Singh, V (Singh, Vijay): In Vitro Fermentation of Xylooligosaccharides Produced from Miscanthus x giganteus by Human Fecal Microbiota. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 1 Pages: 262-267, WOS

4. [1.1] Vithanage, LNG (Vithanage, Lakmali Nilmini G.); Barbosa, AM (Barbosa, Aneli M.); Kankanamge, GRN (Kankanamge, Gamini R. Nadu); Rakshit, SK (Rakshit, Sudip K.); Dekker, RFH (Dekker, Robert F. H.):Valorization of Hemicelluloses: Production of Bioxylitol from Poplar Wood Prehydrolyzates by Candida guilliermondii FTI 20037. In: BIOENERGY RESEARCH Volume: 9 Issue: 1 Pages: 181-197, WOS

ADCA220 GULLÓN, Patricia - GONZALEZ-MUNOZ, Maria Jesús - VAN GOOL, Martine Paula - SCHOLS, Henk Arie - HIRSCH, Ján - EBRINGEROVÁ, Anna - PARAJÓ, Juan Carlos. Structural features and properties of soluble products derived from Eucalyptus globulus hemicelluloses. In Food chemistry, 2011, vol. 129, p. 1798-1807. (3.458 - IF2010). (2011 - Current Contents). ISSN 0308-8146.

Citácie:

1. [1.1] Mitra, D (Mitra, Debmalya); Jena, AK (Jena, Aditya Kr.); De, A (De, Arnab); Das, M (Das, Mousumi); Das, B (Das, Bhaskar); Samanta, A (Samanta, Amalesh): Prebiotic potential of

gum odina and its impact on gut ecology: in vitro and in vivo assessments. In: FOOD & FUNCTION Volume: 7 Issue: 7 Pages: 3064-3072, WOS
2. [1.1] Pu, JH (Pu, Jianghua); Zhao, X (Zhao, Xia); Wang, QC (Wang, Qingchi); Wang, YD (Wang, Yingdi); Zhou, H (Zhou, Hui): Development and validation of a HPLC method for determination of degree of polymerization of xylo-oligosaccharides. In: FOOD CHEMISTRY Volume: 213 Pages: 654-659, WOS
3. [1.1] Pu, JH (Pu, Jianghua); Zhao, X (Zhao, Xia); Wang, QC (Wang, Qingchi); Xiao, L (Xiao, Lin); Zhao, HT (Zhao, Haitao): Structural characterization of xylo-oligosaccharides from corncob residues. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 6 Pages: 344-354, WOS
4. [1.2] Carvalheiro, F., Duarte, L. C., Gírio, F., & Moniz, P. (2016). Hydrothermal/Liquid hot water pretreatment (autohydrolysis): A multipurpose process for biomass upgrading. In Biomass fractionation technologies for a lignocellulosic feedstock based biorefinery (Elsevier, chapter 14, pp. 315-347), SCOPUS

ADCA221 GUO, Boyang - SATO, Nobuaki - BIELY, Peter - AMANO, Yoshihiko - NOZAKI, Kouichi. Comparison of catalytic properties of multiple beta-glucosidases of Trichoderma reesei. In Applied Microbiology and Biotechnology, 2016, vol. 100, p. 4959-4968. (3.376 - IF2015). (2016 - Current Contents). ISSN 0175-7598.

Citácie:
1. [1.1] Li, CC (Li, Chengcheng); Lin, FM (Lin, Fengming); Li, YZ (Li, Yizhen); Wei, W (Wei, Wei); Wang, HY (Wang, Hongyin); Qin, L (Qin, Lei); Zhou, ZH (Zhou, Zhihua); Li, BZ (Li, Bingzhi); Wu, FG (Wu, Fugen); Chen, Z (Chen, Zhan): A beta-glucosidase hyper-production Trichoderma reesei mutant reveals a potential role of cel3D in cellulase production. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 151, WOS

ADCA222 GURKOK, S. - SOYLER, B. - BIELY, Peter - OGEL, Z.B. Cloning and heterologous expression of the extracellular alpha-galactosidase from Aspergillus fumigatus in Aspergillus sojae under the control of gpdA promoter. In Journal of Molecular Catalysis B: Enzymatic, 2010, vol. 64, p.146-149.

Citácie:
1. [1.1] Zhou, JP (Zhou, Junpei); Liu, Y (Liu, Yu); Lu, Q (Lu, Qian); Zhang, R (Zhang, Rui); Wu, Q (Wu, Qian); Li, CY (Li, Chunyan); Li, JJ (Li, Junjun); Tang, XH (Tang, Xianghua); Xu, B (Xu, Bo); Ding, JM (Ding, Junmei); Han, NY (Han, Nanyu); Huang, ZX (Huang, Zunxi): Characterization of a Glycoside Hydrolase Family 27 alpha-Galactosidase from Pontibacter Reveals Its Novel Salt-Protease Tolerance and Transglycosylation Activity. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 11 Pages: 2315-2324, WOS

ADCA223 HAGEN, I. - ECKER, M. - LAGORCE, A. - FRANCOIS, J.M. - ŠESTÁK, Sergej - RACHEL, R. - GROSSMANN, G. - HAUSER, N.C. - HOHEISEL, J.D. - TANNER, W. - STRAHL, S. Sed1p and Srl1p are required to compensate for cell wall instability in Saccharomyces cerevisae mutants defective in multiple GPI-anchored mannoproteins. In Molecular Microbiology, 2004, vol. 52, p. 1413-1425. ISSN 0950-382X.

Citácie:
1. [1.1] Borovikova, D (Borovikova, Diana); Teparic, R (Teparic, Renata); Mrsa, V (Mrsa, Vladimir); Rapoport, A (Rapoport, Alexander): Anhydrobiosis in yeast: cell wall mannoproteins are important for yeast Saccharomyces cerevisiae resistance to dehydration. In: YEAST Volume: 33 Issue: 8 Special Issue: SI Pages: 347-353, WOS

ADCA224 HANES, J. - VON DER KAMMER, H. - KLAUDINY, Jaroslav - SCHEIT, K.H. Characterization by CDNA cloning of 2 new human protein kinases - evidence by sequence comparison of a new family of mamalian protein kinases. In Journal of Molecular Biology, 1994, vol.244, p. 665-672. ISSN 0022-2836.

Citácie:
1. [1.1] Park, SY (Park, Soon Young); Piao, YK (Piao, Yuji); Thomas, C (Thomas, Craig); Fuller, GN (Fuller, Gregory N.); de Groot, JF (de Groot, John F.): Cdc2-like kinase 2 is a key regulator of the cell cycle via FOXO3a/p27 in glioblastoma. In: ONCOTARGET Volume: 7 Issue: 18 Pages: 26793-26805, WOS

ADCA225 HANSEN, Steen U. - MILLER, Gavin J. - BARÁTH, Marek - BROBERG, Karl R. - AVIZIENYTE, Egle - HELLIWELL, Madeleine - RAFTERY, James - JAYSON, Gordon C. - GARDINER, John M. Synthesis and scalable conversion of L-iduronamides to heparin-related di- and tetrasaccharides. In Journal of Organic Chemistry, 2012, vol. 77, p. 7823-7843. (4.450 - IF2011). (2012 - Current Contents). ISSN 0022-3263.

Citácie:
1. [1.1] 1.1Mende, M (Mende, Marco); Bednarek, C (Bednarek, Christin); Wawryszyn, M (Wawryszyn, Mirella); Sauter, P (Sauter, Paul); Biskup, MB (Biskup, Moritz B.); Schepers, U (Schepers, Ute); Brase, S (Braese, Stefan): Chemical Synthesis of Glycosaminoglycans. In: CHEMICAL REVIEWS Volume: 116 Issue: 14 Pages: 8193-8255, WOS

2. [1.1] Mulloy, B (Mulloy, Barbara); Hogwood, J (Hogwood, John); Gray, E (Gray, Elaine); Lever, R (Lever, Rebecca); Page, CP (Page, Clive P.): Pharmacology of Heparin and Related Drugs. In: PHARMACOLOGICAL REVIEWS Volume: 68 Issue: 1 Pages: 76-141, WOS
3. [1.1] Wang, AP (Wang, A-Peng); Liu, C (Liu, Chao); Yang, S (Yang, Shuang); Zhao, ZH (Zhao, Zhehui); Lei, PS (Lei, Pingsheng): An efficient method to synthesize novel 5-O-(6 '-modified)-mycaminose 14-membered ketolides. In: TETRAHEDRON Volume: 72 Issue: 2 Pages: 285-297, WOS
4. [1.1] Xu, P (Xu, Peng); Laval, S (Laval, Stephane); Guo, Z (Guo, Zheng); Yu, B (Yu, Biao): Microwave-assisted simultaneous O,N-sulfonation in the synthesis of heparin-like oligosaccharides. In: ORGANIC CHEMISTRY FRONTIERS Volume: 3 Issue: 1 Pages: 103-109, WOS
5. [1.2] Zulueta, M. M. L., Lin, S. Y., Hu, Y. P., & Hung, S. C. (2015). Synthesis of glycosaminoglycans. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 10, pp. 235-261), SCOPUS

ADCA226 HANSEN, Steen Uldall - BARÁTH, Marek - SALAMEH, Bader A.B. - PRITCHARD, Robin G. - STIMPSON, William T. - GARDINER, John M. - JAYSON, Gordon C. Scalable Synthesis of L-Iduronic Acid Derivatives via Stereocontrolled Cyanohydrin Reaction for Synthesis of Heparin-Related Disaccharides. Bader A.B. Salameh, Robin G. Pritchard, William T. Stimpson, John M. Gardiner, Gordon C. Jayson. In Organic Letters, 2009, vol.11, no.20, pp.4528-4531.

Citácie:

1. [1.2] Zulueta, M. M. L., Lin, S. Y., Hu, Y. P., & Hung, S. C. (2015). Synthesis of glycosaminoglycans. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 10, pp. 235-261), SCOPUS

ADCA227 HERMANN, M.C. - VRŠANSKÁ, Mária - JURÍČKOVÁ, M. - HIRSCH, Ján - BIELY, Peter - KUBICEK, C.P. The beta-D-xylosidase of Trichoderma reesei is a multifunctional beta-D-xylan xylohydrolase. In Biochemical Journal, 1997, vol.321, p. 375-381. ISSN 0264-6021.

Citácie:

1. [1.1] Gramany, V (Gramany, Vashni); Khan, FI (Khan, Faez Iqbal); Govender, A (Govender, Algasan); Bisetty, K (Bisetty, Krishna); Singh, S (Singh, Suren); Permaul, K (Permaul, Kugenthiren): Cloning, expression, and molecular dynamics simulations of a xylosidase obtained from Thermomyces lanuginosus. In: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 34 Issue: 8 Pages: 1681-1692, WOS
2. [1.1] Inoue, H (Inoue, Hiroyuki); Kitao, C (Kitao, Chiaki); Yano, S (Yano, Shinichi); Sawayama, S (Sawayama, Shigeki): Production of beta-xylosidase from Trichoderma asperellum KIF125 and its application in efficient hydrolysis of pretreated rice straw with fungal cellulase. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 11 Article Number: 186, WOS
3. [1.1] Mhetras, N (Mhetras, Nutan); Liddell, S (Liddell, Susan); Gokhale, D (Gokhale, Digambar): Purification and characterization of an extracellular beta-xylosidase from Pseudozyma hubeiensis NCIM 3574 (PhXyl), an unexplored yeast. In: AMB EXPRESS Volume: 6 Article Number: 73, WOS
4. [1.1] Nakazawa, H (Nakazawa, Hikaru); Kawai, T (Kawai, Tetsushi); Ida, N (Ida, Noriko); Shida, Y (Shida, Yosuke); Shioya, K (Shioya, Kouki); Kobayashi, Y (Kobayashi, Yoshinori); Okada, H (Okada, Hirofumi); Tani, S (Tani, Shuji); Sumitani, J (Sumitani, Jun-ichi); Kawaguchi, T (Kawaguchi, Takashi); Morikawa, Y (Morikawa, Yasushi); Ogasawara, W (Ogasawara, Wataru): A high performance Trichoderma reesei strain that reveals the importance of xylanase III in cellulosic biomass conversion. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 82 Pages: 89-95, WOS

ADCA228 HIRSCH, Ján - MOSSINE, V.V. - FEATHER, M.S. The detection of some dicarbonyl intermediates arising from the degradation of Amadori compounds (the Maillard reaction). In Carbohydrate Research, 1995, vol. 273, p. 171-177. (1995 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Greifenhagen, U (Greifenhagen, Uta); Frolov, A (Frolov, Andrej); Bluher, M (Blueher, Matthias); Hoffmann, R (Hoffmann, Ralf): Plasma Proteins Modified by Advanced Glycation End Products (AGEs) Reveal Site-specific Susceptibilities to Glycemic Control in Patients with Type 2 Diabetes. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 18 Pages: 9610-+, WOS

ADCA229 HIRSCH, Ján - PETRÁKOVÁ, Eva - FEATHER, M.S. The reaction of some dicarbonyl sugars with aminoguanidine. In Carbohydrate Research, 1992, vol. 232, p. 125-130. (1.299 - IF1991). ISSN 0008-6215.

Citácie:

1. [1.1] Henning, C (Henning, Christian); Glomb, MA (Glomb, Marcus A.): Pathways of the Maillard reaction under physiological conditions. In: GLYCOCONJUGATE JOURNAL Volume:

33 Issue: 4 Pages: 499-512, WOS

ADCA230 HIRSCH, Ján - LANGER, V. - KOÓŠ, Miroslav. Synthesis and molecular structure of methyl 4-o-methyl-alfa-D-glucopyranuronate. In Molecules, 2005, vol. 10, p. 251-258. ISSN 1420-3049.

Citácie:

1. [1.1] Biely, P (Biely, Peter): Microbial Glucuronoyl Esterases: 10 Years after Discovery. In: APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 24 Pages: 7014-7018, WOS

ADCA231 HRABÁROVÁ, Eva - VALACHOVÁ, Katarína - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Free-radical degradation of high-molar-mass hyaluronan induced by ascorbate plus cupric ions: evaluation of antioxidative effect of cysteine-derived compounds. In Chemistry & biodiversity, 2012, vol. 9, no. 2, p. 309-317. (1.804 - IF2011). (2012 - Current Contents). ISSN 1612-1872.(VEGA č. 2/0011/11 : Štúdium pôsobenia reaktívnych foriem kyslíka a dusíka na vysokomolekulový hyalurónan, synoviocyty a chondrocyty. VEGA č. 2/0056/10 : Štúdium využitia patogén-hostiteľ glykoproteínových interakcií v boji so samotným patogénom. VEGA č. 2/0115/09 : Degradácia polyuretánov v muzeálnych artefaktoch – hodnotenie pomocou chemiluminiscencie a termoanalytických metód a predikcia zvyškovej životnosti. VEGA č. 2/0083/09 : Energetický metabolismus mozgu sledovaný pomocou magnetickej rezonancie ako podklad pre štúdium mechanizmov hypoxicko-ischemického poškodenia mozgu novorodenca. ITMS 26240220040 : Hodnotenie prírodných látok a ich výber pre prevenciu a liečbu civilizačných ochorení).

Citácie:

1. [1.1] LALL, R.K. - SYED, D.N. - KHAN, M.I. - ADHAMI, V.M. - GONG, Y. - LUCEY, J.A. - MUKHTAR, H. Dietary flavonoid fisetin increases abundance of high-molecular-mass hyaluronan conferring resistance to prostate oncogenesis. In CARCINOGENESIS. ISSN 0143-3334, 2016, vol. 37, no. 9, p. 918-928., WOS

2. [1.1] MENDE, M. - BEDNAREK, C. - WAWRYSZYN, M. - SAUTER, P. - BISKUP, M.B. - SCHEPERS, U. - BRASE, S. Chemical Synthesis of Glycosaminoglycans. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 14, p. 8193-8255., WOS

ADCA232 HRABÁROVÁ, Eva - GEMEINER, Peter - ŠOLTÉS, Ladislav. Peroxynitrite: in vivo and in vitro synthesis and oxidant degradative action on biological systems regarding biomolecular injury and inflammatory processes. In Chemical papers, 2007, vol. 61, no. 6, p. 417-437. (0.360 - IF2006). (2007 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] BAYACHOU, M. - ALTAWALLBEH, G. - KALIL, H. - WOJCIECHOWSKI, S. - BOSE, T. Methods of peroxynitrite synthesis in the context of the development and validation of peroxynitrite sensors. Chapter 3. In PEROXYNITRITE DETECTION IN BIOLOGICAL MEDIA: CHALLENGES AND ADVANCES, book series: RSC Detection Science Series. ISSN 2052-3068, 2016, no. 7, p. 48-62., WOS

ADCA233 HRADILOVÁ, Ludmila - POLÁKOVÁ, Monika - DVOŘÁKOVÁ, Barbora - HAJDÚCH, Marián - PETRUŠ, Ladislav. Synthesis and cytotoxicity of some D-mannose click conjugates with aminobenzoic acid derivatives. In Carbohydrate Research, 2012, vol. 361, p. 1-6. (2.332 - IF2011). (2012 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Bobovska, A (Bobovska, Adela); Tvaroska, I (Tvaroska, Igor); Kona, J (Kona, Juraj): Using DFT methodology for more reliable predictive models: Design of inhibitors of Golgi alpha-Mannosidase II. In: JOURNAL OF MOLECULAR GRAPHICS & MODELLING Volume: 66 Pages: 47-57, WOS

2. [1.1] Brehova, P (Brehova, Petra); Smidkova, M (Smidkova, Marketa); Skacel, J (Skacel, Jan); Dracinsky, M (Dracinsky, Martin); Mertlikova-Kaiserova, H (Mertlikova-Kaiserova, Helena); Velasquez, MPS (Velasquez, Monica P. Soto); Watts, VJ (Watts, Val J.); Janeba, Z (Janeba, Zlatko): Design and Synthesis of Fluorescent Acyclic Nucleoside Phosphonates as Potent Inhibitors of Bacterial Adenylate Cyclases. In: CHEMMEDCHEM Volume: 11 Issue: 22 Pages: 2534-2546, WOS

3. [1.1] He, XP (He, Xiao-Peng); Zeng, YL (Zeng, Ya-Li); Zang, Y (Zang, Yi); Li, J (Li, Jia); Field, RA (Field, Robert A.); Chen, GR (Chen, Guo-Rong): Carbohydrate CuAAC click chemistry for therapy and diagnosis. In: CARBOHYDRATE RESEARCH Volume: 429 Pages: 1-22, WOS

4. [1.1] Tiwari, VK (Tiwari, Vinod K.); Mishra, BB (Mishra, Bhuwan B.); Mishra, KB (Mishra, Kunj B.); Mishra, N (Mishra, Nidhi); Singh, AS (Singh, Anoop S.); Chen, X (Chen, Xi): Cu-Catalyzed Click Reaction in Carbohydrate Chemistry. In: CHEMICAL REVIEWS Volume: 116 Issue: 5 Pages: 3086-3240, WOS

5. [1.2] Singh, A. S., Mishra, K. B., Mishra, A., & Tiwari, V. K. (2016). Synthesis of diverse carbohydrate-based molecules using click chemistry. In Click reactions in organic synthesis (Wiley-VCH, chapter 6, pp. 161-201), SCOPUS

ADCA234 HRICOVÍNI, Miloš. Solution structure of heparin pentasaccharide: NMR and DFT analysis. In

Journal of Physical Chemistry B, 2015, vol. 119, p. 12397-12409. (3.302 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1520-6106.

Citácie:

1. [1.1] Hsieh, PH (Hsieh, Po-Hung); Thieker, DF (Thieker, David F.); Guerrini, M (Guerrini, Marco); Woods, RJ (Woods, Robert J.); Liu, J (Liu, Jian): Uncovering the Relationship between Sulphation Patterns and Conformation of Iduronic Acid in Heparan Sulphate. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 29602, WOS

2. [1.1] Yates, EA (Yates, Edwin A.); Rudd, TR (Rudd, Timothy R.): Recent innovations in the structural analysis of heparin. In: INTERNATIONAL JOURNAL OF CARDIOLOGY Volume: 212 Pages: S5-S9, WOS

ADCA235 HRICOVÍNI, Miloš - TORRI, G. Dynamics in aqueous solutions of pentasaccharide corresponding to the binding site of heparin for antithrombin III studied by NMR relaxation measurement. In Carbohydrate Research, 1995, vol. 268, p. 159-175. (1995 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Singh, A (Singh, Arunima); Tessier, MB (Tessier, Matthew B.); Pederson, K (Pederson, Kari); Wang, XC (Wang, Xiaocong); Venot, AP (Venot, Andre P.); Boons, GJ (Boons, Geert-Jan); Prestegard, JH (Prestegard, James H.); Woods, RJ (Woods, Robert J.): Extension and validation of the GLYCAM force field parameters for modeling glycosaminoglycans. In: CANADIAN JOURNAL OF CHEMISTRY Volume: 94 Issue: 11 Special Issue: SI Pages: 927-935, WOS

ADCA236 HRICOVÍNI, Miloš - SHAH, R. N. - CARVER, J. P. Detection of internal motions in oligosaccharides by 1H relaxation measurements at different magnetic fields. In Biochemistry, 1992, vol. 31, .p. 10018-10023. ISSN 0006-2960.

Citácie:

1. [1.1] Vidal, P (Vidal, Paloma); Jimenez-Barbero, J (Jimenez-Barbero, Jesus); Espinosa, JF (Espinosa, Juan F.): Conformational flexibility around the Gal-beta-(1 -> 3)-Glc linkage: Experimental evidence for the existence of the anti-psi conformation in aqueous solution. In: CARBOHYDRATE RESEARCH Volume: 433 Pages: 36-40, WOS

ADCA237 HRICOVÍNI, Miloš - GUERRINI, M. - BISIO, A. - TORRI, G. - NAGGI, A. - CASU, B. Active conformations of glycosaminoglycans. NMR determination of the conformation of heparin sequences complexed with antihrombin and fibroblast growth factors in solution. In Seminars in Thrombosis and Hemostasis, 2002, vol. 28, p. 325-334. ISSN 0094-6176.

Citácie:

1. [1.1] Hettiaratchi, MH (Hettiaratchi, M. H.); Guldberg, RE (Guldberg, R. E.); McDevitt, TC (McDevitt, T. C.): Biomaterial strategies for controlling stem cell fate via morphogen sequestration. In: JOURNAL OF MATERIALS CHEMISTRY B Volume: 4 Issue: 20 Pages: 3464-3481, WOS

2. [1.1] Krieger, JR (Krieger, J. R.); Ogle, ME (Ogle, M. E.); McFaline-Figueroa, J (McFaline-Figueroa, J.); Segar, CE (Segar, C. E.); Temenoff, JS (Temenoff, J. S.); Botchwey, EA (Botchwey, E. A.): Spatially localized recruitment of anti-inflammatory monocytes by SDF-1 alpha-releasing hydrogels enhances microvascular network remodeling. In: BIOMATERIALS Volume: 77 Pages: 280-290, WOS

ADCA238 HRICOVÍNI, Miloš - GUERRINI, M. - BISIO, O. - TORRI, G. - PETITOU, M. - CASU, B. Conformation of heparin pentasaccharide bound to antithrombin III. In Biochemical Journal, 2001, vol. 359, p. 265-272. ISSN 0264-6021.

Citácie:

1. [1.1] Kitic, N (Kitic, Nikola); Gschwandtner, M (Gschwandtner, Martha); Derler, R (Derler, Rupert); Gerlza, T (Gerlza, Tanja); Kungl, AJ (Kungl, Andreas J.): Preparation and Characterization of Glycosaminoglycan Chemokine Coreceptors. In: CHEMOKINES Book Series Title: Methods in Enzymology Volume: 570 Pages: 517-538, WOS

2. [1.2] Peterson, E. J., Daniel, A. G., Katner, S. J., Bohlmann, L., Chang, C. W., Bezos, A., Parish, C. R., Von Itzstein, M., Berners-Price, S. J., Farrell, N. P. (2016). Antiangiogenic platinum through glycan targeting. Chemical Science, 8(1), 241-252, SCOPUS

ADCA239 HRICOVÍNI, Miloš - GUERRINI, M. - BISIO, A. Structure of heparin-derived tetrasaccharide complexed to the plasma protein antithrombin derived from NOEs, J-couplings and chemical shifts. In European Journal of Biochemistry, 1999, vol. 261, p. 789-801. (3.249 - IF1998). ISSN 0014-2956.

Citácie:

1. [1.1] Chollet, L (Chollet, Lucas); Saboural, P (Saboural, Pierre); Chauvierre, C (Chauvierre, Cedric); Villemin, JN (Villemin, Jean-Noel); Letourneur, D (Letourneur, Didier); Chaubet, F (Chaubet, Frederic): Fucoidans in Nanomedicine. In: MARINE DRUGS Volume: 14 Issue: 8 Article Number: 145, WOS

ADCA240 HRICOVÍNI, Miloš. Effect of solvent and counterions upon structure and NMR spin - spin coupling constants in heparin disaccharide. In Journal of physical chemistry B.Materials, surfaces, interfaces, and biophysical, 2011, vol. 115, p. 1503-1511. (3.603 - IF2010). (2011 - Current Contents, WOS,

SCOPUS). ISSN 1520-6106.

Citácie:

1. [1.1] Alipour, M (Alipour, Mojtaba); Fallahzadeh, P (Fallahzadeh, Parisa): First principles optimally tuned range-separated density functional theory for prediction of phosphorus-hydrogen spin-spin coupling constants. In: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 27 Pages: 18431-18440, WOS

2. [1.1] Mulloy, B (Mulloy, Barbara); Hogwood, J (Hogwood, John); Gray, E (Gray, Elaine); Lever, R (Lever, Rebecca); Page, CP (Page, Clive P.): Pharmacology of Heparin and Related Drugs. In: PHARMACOLOGICAL REVIEWS Volume: 68 Issue: 1 Pages: 76-141, WOS

3. [1.1] Soares, PAG (Soares, Paulo A. G.); Queiroz, INL (Queiroz, Ismael N. L.); Santos, GRC (Santos, Gustavo R. C.); Mourao, PAS (Mourao, Paulo A. S.); Pomin, VH (Pomin, Vitor H.): NMR-based conformation and dynamics of a tetrasaccharide-repeating sulfated fucan substituted by different counterions. In: BIOPOLYMERS Volume: 105 Issue: 11 Pages: 840-851, WOS

4. [1.1] Yates, EA (Yates, Edwin A.); Rudd, TR (Rudd, Timothy R.): Recent innovations in the structural analysis of heparin. In: INTERNATIONAL JOURNAL OF CARDIOLOGY Volume: 212 Pages: S5-S9, WOS

ADCA241 HRICOVÍNI, Miloš - DRIGUEZ, Pierre-Alexandre - MALKINA, Oľga. NMR and DFT analysis of trisaccharide from heparin repeating sequence. In Journal of Physical Chemistry B, 2014, vol. 118, no. 41, p. 11931-11942. (3.377 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1520-6106.

Citácie:

1. [1.1] RUBINSON, Kenneth A. - CHEN, Yin - CRESS, Brady F. - ZHANG, Fuming - LINHARDT, Robert J. Heparin's solution structure determined by small-angle neutron scattering. In BIOPOLYMERS. ISSN 0006-3525, 2016, vol. 105, no. 12, pp. 905., WOS

2. [1.1] YATES, Edwin A. - RUDD, Timothy R. Recent innovations in the structural analysis of heparin. In INTERNATIONAL JOURNAL OF CARDIOLOGY. ISSN 0167-5273, 2016, vol. 212, no., pp. S5-S9., WOS

ADCA242 HRICOVÍNI, Miloš. Structural aspects of carbohydrates and the relation with their biological properties. In Current Medicinal Chemistry, 2004, vol. 11, p. 2565-2583. ISSN 0929-8673.

Citácie:

1. [1.1] Liu, X. W., Li, L., Gao, H. T., Dang, L. J., & Wang, P. G. (2016). Synthesis and modification of carbohydrates via metabolic pathway engineering in microorganisms. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, vol. 2, pp. 657-682), SCOPUS

ADCA243 HRICOVÍNI, Miloš - MALKINA, Oľga - BÍZIK, F. - TURI NAGY, L. - MALKIN, Vladimír. Calculation of NMR chemical shifts and spin-spin coupling constants in the monosaccharide methyl-beta-D-xylopyranoside using a density functional theory approach. In Journal of physical chemistry. A.Molecules, spectroscopy, kinetics, environment, and general theory, 1997, vol. 101, no. 50, p. 9756-9762. ISSN 1089-5639.

Citácie:

1. [1.1] GERBST, Alexey G. - KRYLOV, Vadim B. - ARGUNOV, Dmitry A. - SOLOVEV, Arsenii S. - DMITRENOK, Andrey S. - SHASHKOV, Alexander S. - NIFANTIEV, Nikolay E. Ring distortion in pyranosides caused by per-O-sulfation. In CARBOHYDRATE RESEARCH. ISSN 0008-6215, 2016, vol. 436, no., pp. 20-24., WOS

2. [1.1] RUSAKOVA, Irina L. - RUSAKOV, Yurii Yu - KRIVDIN, Leonid B. Theoretical grounds of relativistic methods for calculation of spin spin coupling constants in nuclear magnetic resonance spectra. In RUSSIAN CHEMICAL REVIEWS. ISSN 0036-021X, 2016, vol. 85, no. 4, pp. 356., WOS

ADCA244 HRICOVÍNIOVÁ, Zuzana. Rapid, one pot preparation of D-mannose and D-mannitol starch: the effect of microwave irradiation and Mo VI catalyst. In Tetrahedron : Asymmetrie, 2011, vol. 22, p. 1184-1188. (2.484 - IF2010). (2011 - Current Contents). ISSN 0957-4166.

Citácie:

1. [1.1] Delidovich, I (Delidovich, Irina); Palkovits, R (Palkovits, Regina): Catalytic Isomerization of Biomass-Derived Aldoses: A Review. In: CHEMSUSCHEM Volume: 9 Issue: 6 Pages: 547-561, WOS

2. [1.1] Hu, X (Hu, Xing); Shi, YN (Shi, Yaning); Zhang, P (Zhang, Peng); Miao, M (Miao, Ming); Zhang, T (Zhang, Tao); Jiang, B (Jiang, Bo): d-Mannose: Properties, Production, and Applications: An Overview. In: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY Volume: 15 Issue: 4 Pages: 773-785, WOS

3. [1.1] Mohamad, R (Mohamad, Rozyanti); Aki, T (Aki, Tsunehiro); Nakashimada, Y (Nakashimada, Yutaka); Okamura, Y (Okamura, Yoshiko); Tajima, T (Tajima, Takahisa); Matsumura, Y (Matsumura, Yukihiko): Decomposition Kinetics of Mannose, Its Sugar Alcohol, and Its Uronic Acid under Hydrothermal Condition. In: JOURNAL OF CHEMICAL

ENGINEERING OF JAPAN Volume: 49 Issue: 7 Pages: 663-667, WOS
4. [1.1] Mohamad, R (Mohamad, Rozyanti); Aki, T (Aki, Tsunehiro); Nakashimada, Y (Nakashimada, Yutaka); Okamura, Y (Okamura, Yoshiko); Tajima, T (Tajima, Takahisa); Matsumura, Y (Matsumura, Yukihiko): Kinetics of Sorbitol Decomposition under Hydrothermal Condition. In: JOURNAL OF THE JAPAN PETROLEUM INSTITUTE Volume: 59 Issue: 4 Pages: 149-154, WOS

ADCA245 HRICOVÍNIOVÁ, Zuzana. The effect of microwave irradiation on Mo(VI) catalyzed transformations of reducing saccharides. In Carbohydrate Research, 2006, vol. 341, p. 2131-2134. (1.669 - IF2005). (2006 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Spasova, B (Spasova, Berta); Kuesters, C (Kuesters, Christof); Stengel, B (Stengel, Bruno); Brandner, JJ (Brandner, Juergen J.): Investigation of process conditions for catalytic conversion of carbohydrates by epimerization using a microstructured reactor. In: CHEMICAL ENGINEERING AND PROCESSING Volume: 105 Pages: 103-109, WOS

ADCA246 HRICOVÍNIOVÁ, Zuzana - HRICOVÍNI, Miloš. A new type of rearrangement in branched-chain carbohydrates: isomerization of 3-C-branched aldoses. In Carbohydrate Research, 2012, vol. 370, p. 1-8. (2.332 - IF2011). (2012 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Kondor, Z (Kondor, Zoltan); Herczeg, M (Herczeg, Mihaly); Borbas, A (Borbas, Aniko); Patonay, T (Patonay, Tamas); Konya, K (Konya, Krisztina): Application of Carbohydrates with Methylene or Vinyl Groups in Heck-Mizoroki Cross-Coupling Reactions with O-Heterocycles. In: SYNLETT Volume: 27 Issue: 19 Pages: 2709-2715, WOS

ADCA247 HRICOVÍNIOVÁ, Zuzana. Xylans are a valuable alternative resource: Production of D-xylose, D-lyxose and furfural under microwave irradiation. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2013, vol. 98, p. 1416-1421. (3.479 - IF2012). (2013 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Lou, HM (Lou, Hongming); Yuan, L (Yuan, Long); Qiu, XQ (Qiu, Xueqing); Qiu, KX (Qiu, Kexian); Fu, JG (Fu, Jinguo); Pang, YX (Pang, Yuxia); Huang, JH (Huang, Jinhao): Enhancing enzymatic hydrolysis of xylan by adding sodium lignosulfonate and long-chain fatty alcohols. In: BIORESOURCE TECHNOLOGY Volume: 200 Pages: 48-54, WOS
2. [1.1] Xiouras, C (Xiouras, Christos); Radacsi, N (Radacsi, Norbert); Sturm, G (Sturm, Guido); Stefanidis, GD (Stefanidis, Georgios D.): Furfural Synthesis from d-Xylose in the Presence of Sodium Chloride: Microwave versus Conventional Heating. In: CHEMSUSCHEM Volume: 9 Issue: 16 Pages: 2159-2166, WOS

ADCA248 HRMOVÁ, Mária - FARKAŠ, Vladimír - HARVEY, A.J. - LAHNSTEIN, J. - WISCHMANN, B. - KAEWTHAI, N. - EZCURRA, I. - TEERI, T.T. - FINCHER, G.B. Substrate specificity and catalytic mechanism of a xyloglucan xyloglucosyl transferase HvXET6 from barley (Hordeum vulgare L.). In FEBS Journal, 2009, vol. 276, p. 437-456. (3.139 - IF2008). (2009 - Current Contents). ISSN 1742-464X.

Citácie:
1. [1.1] Zhang, QS (Zhang, Qisen); Zhang, XQ (Zhang, Xiaoqi); Pettolino, F (Pettolino, Filomena); Zhou, GF (Zhou, Gaofeng); Li, CD (Li, Chengdao): Changes in cell wall polysaccharide composition, gene transcription and alternative splicing in germinating barley embryos. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 191 Pages: 127-139, WOS
2. [1.2] Cosgrove, D. J. (2016). Catalysts of plant cell wall loosening. F1000Research, 5 (F1000 Faculty Rev):119, SCOPUS

ADCA249 HRMOVÁ, Mária - BIELY, Peter - VRŠANSKÁ, Mária. Specifity of cellulase and beta-xylanase induction in Trichoderma reesei QM 9414. In Archives of Microbiology, 1986, vol. 144, p. 307-311. ISSN 0302-8933.

Citácie:
1. [1.1] Bosetto, A (Bosetto, Adilson); Justo, PI (Justo, Priscila Innocenti); Zanardi, B (Zanardi, Bruna); Venzon, SS (Venzon, Simoni Spohr); Graciano, L (Graciano, Luciana); dos Santos, EL (dos Santos, Elaine Luzia); Simao, RDG (Garcia Simao, Rita de Cassia) : Research Progress Concerning Fungal and Bacterial beta-Xylosidases. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 178 Issue: 4 Pages: 766-795, WOS

ADCA250 HRMOVÁ, Mária - BIELY, Peter - VRŠANSKÁ, Mária. Cellulose degrading and xylan-degrading enzymes of Aspergillus terreus and Aspergillus niger. In Enzyme and Microbial Technology, 1989, vol. 11, p. 610-616. ISSN 0141-0229.

Citácie:
1. [1.1] Silva, JBA (Aguiar Silva, Jassica Barros); Frantz, SC (Frantz, Suelen Caroline); Marques, AK (Marques, Anelise Kappes); Coelho, CM (Coelho, Cristiane Martins); de Morais, PB (de Morais, Paula Benevides): Production of extracellular enzymes by fungi associated to the

decomposition of plant materials in streams. In: JOURNAL OF BIOENERGY AND FOOD SCIENCE Volume: 2 Issue: 4 Pages: 208-212, WOS

ADCA251 HRMOVÁ, Mária - BIELY, Peter - VRŠANSKÁ, Mária - PETRÁKOVÁ, Eva. Induction of cellulose- and xylan.degrading enzyme complex in the yeast Trichosporon cutaneum. In Archives of Microbiology, 1984, vol. 138, p. 371-376. ISSN 0302-8933.

Citácie:

1. [1.1] Garg, S (Garg, Sarika): Xylanase: Applications in Biofuel Production. In: CURRENT METABOLOMICS Volume: 4 Issue: 1 Pages: 23-37, WOS

2. [1.1] Shrivastava, Smriti; Kumar, Vishal; Baweja, Mehak; Shukla, Pratyoosh: Enhanced Xylanase Production from Thermomyces lanuginosus NCIM 1374/DSM 28966 using Statistical Analysis. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 2225-2230, WOS

3. [1.2] Rahnama, N., Shah, U. K. M., Foo, H. L., Rahman, N. A. A., & Ariff, A. B. (2016). Production and characterisation of cellulase from solid state fermentation of rice straw by trichoderma harzianum SNRS3. Pertanika Journal of Tropical Agricultural Science, 39(4), 507-531., SCOPUS

ADCA252 HRMOVÁ, Mária - BURTON, R.A. - BIELY, Peter - LAHNSTEIN, J. - FINCHER, G.B. Hydrolysis of (1,4)-beta-D-mannans in barley (Hordeum vulgare L.) is mediated by the conected action of (1,4)-beta-mannan endohydrolase and beta-D-mannosidase. In Biochemical Journal, 2006, vol. 399, p. 77-90. (2006 - Current Contents). ISSN 0264-6021.

Citácie:

1. [1.1] Zhang, GQ (Zhang, Guo-Qiang); Xu, Q (Xu, Qing); Bian, C (Bian, Chao); Tsai, WC (Tsai, Wen-Chieh); Yeh, CM (Yeh, Chuan-Ming); Liu, KW (Liu, Ke-Wei); Yoshida, K (Yoshida, Kouki); Zhang, LS (Zhang, Liang-Sheng) et al.: The Dendrobium catenatum Lindl. genome sequence provides insights into polysaccharide synthase, floral development and adaptive evolution. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 19029, WOS

ADCA253 HRMOVÁ, Mária - FARKAŠ, Vladimír - LAHNSTEIN, J. - FINCHER, G.B. A barley xyloglucan xyloglucosyl transferase covalently links xyloglucan, cellulosic substrates, and (1,3/1,4)-beta-D-glucans. In Journal of Biological Chemistry, 2007, vol. 282, p. 12951-12962. (5.808 - IF2006). (2007 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Francin-Allami, M (Francin-Allami, Mathilde); Lollier, V (Lollier, Virginie); Pavlovic, M (Pavlovic, Marija); San Clemente, H (San Clemente, Helene); Rogniaux, H (Rogniaux, Helene); Jamet, E (Jamet, Elisabeth); Guillon, F (Guillon, Fabienne); Larre, C (Larre, Colette): Understanding the Remodelling of Cell Walls during Brachypodium distachyon Grain Development through a Sub-Cellular Quantitative Proteomic Approach. In: PROTEOMES Volume: 4 Issue: 3 Article Number: 21, WOS

2. [1.1] Singh, R (Singh, Ruchi); Pandey, N (Pandey, Neha); Kumar, A (Kumar, Anil); Shirke, PA (Shirke, Pramod A.): Physiological performance and differential expression profiling of genes associated with drought tolerance in root tissue of four contrasting varieties of two Gossypium species. In: PROTOPLASMA Volume: 253 Issue: 1 Pages: 163-174, WOS

3. [1.1] Skendi, A (Skendi, Adriana); Biliaderis, CG (Biliaderis, Costas G.):FOOD CHEMISTRY Volume: 203 Pages: 267-275, WOS

4. [1.1] Zhang, QS (Zhang, Qisen); Zhang, XQ (Zhang, Xiaoqi); Pettolino, F (Pettolino, Filomena); Zhou, GF (Zhou, Gaofeng); Li, CD (Li, Chengdao): Changes in cell wall polysaccharide composition, gene transcription and alternative splicing in germinating barley embryos. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 191 Pages: 127-139, WOS

ADCA254 HRMOVÁ, Mária - MACGREGOR, E.A. - BIELY, Peter - STEWART, R.J. - FINCHER, G.B. Substrate binding and catalytic mechanism of a barley beta-D-glucosidase/(1,4)-D-glucan exohydrolase. In Journal of Biological Chemistry, 1998, vol. 273, p. 11134-11143. (6.963 - IF1997). (1998 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Airianah, OB (Airianah, Othman B.); Vreeburg, RAM (Vreeburg, Robert A. M.); Fry, SC (Fry, Stephen C.): Pectic polysaccharides are attacked by hydroxyl radicals in ripening fruit: evidence from a fluorescent fingerprinting method. In: ANNALS OF BOTANY Volume: 117 Issue: 3 Pages: 441-455, WOS

2. [1.1] Gudmundsson, M (Gudmundsson, Mikael); Hansson, H (Hansson, Henrik); Karkehabadi, S (Karkehabadi, Saeid); Larsson, A (Larsson, Anna); Stals, I (Stals, Ingeborg); Kim, S (Kim, Steve); Sunux, S (Sunux, Sergio); Fujdala, M (Fujdala, Meredith); Larenas, E (Larenas, Edmund); Kaper, T (Kaper, Thijs); Sandgren, M (Sandgren, Mats): Structural and functional studies of the glycoside hydrolase family 3 beta-glucosidase Cel3A from the moderately thermophilic fungus Rasamsonia emersonii. In: ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY Volume: 72 Pages: 860-870, WOS

3. [1.1] Pereira, AB (Pereira, Aline Bescrovaine); Krieger, N (Krieger, Nadia); Mitchell, A (Mitchell, Alexander): Fingerprinting of oligosaccharide-hydrolyzing enzymes that catalyze branched reaction schemes. In: BIOCHEMICAL ENGINEERING JOURNAL Volume: 113 Pages: 93-101, WOS

ADCA255 HRMOVÁ, Mária - PETRÁKOVÁ, Eva - BIELY, Peter. Induction of cellulose-degrading and xylan-degrading enzyme systems in Aspergillus terreus by homodisaccharides and heterodisaccharides composed of glucose and xylose. In Journal of General Microbiology, 1991, vol. 137, p. 541-547.

Citácie:

1. [1.1] Vasina, DV (Vasina, Daria V.); Pavlov, AR (Pavlov, Andrey R.); Koroleva, OV (Koroleva, Olga V.): Extracellular proteins of Trametes hirsuta st. 072 induced by copper ions and a lignocellulose substrate. In: BMC MICROBIOLOGY Volume: 16 Article Number: 106, WOS

ADCA256 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - VALACHOVIČ, P. Ultrasound-assisted extraction of water-soluble polysaccharides from the roots of valerian (Valeriana officinalis L.). In Ultrasonics Sonochemistry, 2002, vol. 9, p. 37-44. ISSN 1350-4177.

Citácie:

1. [1.1] Arshadi, M (Arshadi, Mehrdad); Attard, TM (Attard, Thomas M.); Lukasik, RM (Lukasik, Rafal M.); Brncic, M (Brncic, Mladen); Lopes, AMD (Lopes, Andre M. da Costa); Finell, M (Finell, Michael); Geladi, P (Geladi, Paul); Gerschenson, LN (Noemi Gerschenson, Lia) et el.: Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. In: GREEN CHEMISTRY Volume: 18 Issue: 23 Pages: 6160-6204, WOS

2. [1.1] Cui, T. T., Huang, Q. W., Li, X. Y., & Chen, W. (2016). Optimization of total sugar extraction from cynomorii herba by using quadratic orthogonal rotation regression combination design. Chinese Traditional and Herbal Drugs, 47(22), 4003-4008, SCOPUS

3. [1.1] Wang, J (Wang, Juan); Lu, HD (Lu, He Dong); Muhammad, U (Muhammad, Umair); Han, JZ (Han, Jin Zhi); Wei, ZH (Wei, Zhao Hui); Lu, ZX (Lu, Zhao Xin); Bie, XM (Bie, Xiao Mei); Lu, FX (Lu, Feng Xia): Ultrasound-assisted extraction of polysaccharides from Artemisia selengensis Turcz and its antioxidant and anticancer activities. In: JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE Volume: 53 Issue: 2 Pages: 1025-1034, WOS

4. [1.1] Yip, KM (Yip, Ka-Man); Xu, J (Xu, Jun); Tong, WS (Tong, Wing-Sum); Zhou, SS (Zhou, Shan-Shan); Yi, T (Yi, Tao); Zhao, ZZ (Zhao, Zhong-Zhen); Chen, HB (Chen, Hu-Biao): Ultrasound-Assisted Extraction May Not Be a Better Alternative Approach than Conventional Boiling for Extracting Polysaccharides from Herbal Medicines. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1569, WOS

5. [1.1] Zhang, Y (Zhang, Yi); Wang, HX (Wang, Hongxin); Wang, P (Wang, Peng); Ma, CY (Ma, ChaoYang); He, GH (He, GuoHua); Rahman, MRT (Rahman, Md Ramim Tanver): Optimization of PEG-based extraction of polysaccharides from Dendrobium nobile Lindl. and bioactivity study. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 92 Pages: 1057-1066, WOS

6. [1.2] Alzorqi, I., & Manickam, S. (2016). Ultrasonic process intensification for the efficient extraction of nutritionally active ingredients of polysaccharides from bioresources. In Handbook of ultrasonics and sonochemistry (Springer, pp. 1271-1286), SCOPUS

ADCA257 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - MALOVÍKOVÁ, Anna. The structural, molecular and functional properties of lignin-containing beechwood glucuronoxylan. In Macromolecular Symposia, 2006, vol. 232, p. 19-26. (0.913 - IF2005). ISSN 1022-1360.

Citácie:

1. [1.1] Martinez, PM (Martinez, Patricia Murciano); Appeldoorn, MM (Appeldoorn, Maaike M.); Gruppen, H (Gruppen, Harry); Kabel, MA (Kabel, Mirjam A.): The two Rasamsonia emersonii alpha-glucuronidases, ReGH67 and ReGH115, show a different mode-of-action towards glucuronoxylan and glucuronoxylo-oligosaccharides. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 105, WOS

ADCA258 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - SASINKOVÁ, Vlasta - ŠANDULA, Jozef - HŘÍBALOVÁ, V. - OMELKOVÁ, Jiřina. Influence of the drying method on the physical properties and immunomodulatory activity of the particulate (1-3)-beta-D-glucan from Saccharomyces cerevisiae. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2003, vol. 51, p. 9-15. (1.655 - IF2002). (2003 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Borchani, C (Borchani, Chema); Fonteyn, F (Fonteyn, Fabienne); Jamin, G (Jamin, Guilhem); Paquot, M (Paquot, Michel); Thonart, P (Thonart, Philippe); Blecker, C (Blecker, Christophe): Physical, functional and structural characterization of the cell wall fractions from baker's yeast Saccharomyces cerevisiae. In: FOOD CHEMISTRY Volume: 194 Pages: 1149-1155, WOS

2. [1.1] Rosch, C (Rosch, Christiane); Meijerink, M (Meijerink, Marjolein); Delahaije, RJBM (Delahaije, Roy J. B. M.); Taverne, N (Taverne, Nico); Gruppen, H (Gruppen, Harry); Wells, JM (Wells, Jerry M.); Schols, HA (Schols, Henk A.): Immunomodulatory properties of oat and barley beta-glucan populations on bone marrow derived dendritic cells. In: JOURNAL OF FUNCTIONAL FOODS Volume: 26 Pages: 279-289, WOS
3. [1.1] Shao, YJ (Shao, Yujing); Wang, Z (Wang, Zhong); Tian, XY (Tian, Xiangyu); Guo, YM (Guo, Yuming); Zhang, HB (Zhang, Haibo): Yeast beta-D-glucans induced antimicrobial peptide expressions against Salmonella infection in broiler chickens. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 85 Pages: 573-584, WOS
4. [1.1] Varelas, V (Varelas, Vassileios); Liouni, M (Liouni, Maria); Calokerinos, AC (Calokerinos, Antony C.); Nerantzis, ET (Nerantzis, Elias T.): An evaluation study of different methods for the production of -D-glucan from yeast biomass. In: DRUG TESTING AND ANALYSIS Volume: 8 Issue: 1 Pages: 46-56, WOS
5. [1.1] Veverka, M (Veverka, Miroslav); Muranyi, A (Muranyi, Andrej); Bakos, D (Bakos, Dusan); Kochan, J (Kochan, Jan); Jorik, V (Jorik, Vladimir); Omastova, M (Omastova, Maria): Arabinogalactan:beta-glucan as novel biodegradable carriers for recombinant human thrombin. In: JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION Volume: 27 Issue: 3 Pages: 202-217, WOS

ADCA259 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - VALACHOVIČ, P. Comparison of classical and ultrasound-assisted extraction of polysaccharides from Salvia officinalis L. In Ultrasonics Sonochemistry, 1999, vol. 5, p. 163-168. (1.000 - IF1998). (1999 - Current Contents). ISSN 1350-4177.

Citácie:
1. [1.1] Chen, Y (Chen, Yun); Yao, FK (Yao, Fangke); Ming, K (Ming, Ke); Wang, DY (Wang, Deyun); Hu, YL (Hu, Yuanliang); Liu, JG (Liu, Jiaguo): Polysaccharides from Traditional Chinese Medicines: Extraction, Purification, Modification, and Biological Activity. In: MOLECULES Volume: 21 Issue: 12 Article Number: 1705, WOS
2. [1.1] Kulczynski, B (Kulczynski, Bartosz); Kobus-Cisowska, J (Kobus-Cisowska, Joanna); Kmiecik, D (Kmiecik, Dominik); Gramza-Michalowska, A (Gramza-Michalowska, Anna); Golczak, D (Golczak, Dorota); Korczak, J (Korczak, Jozef): ANTIRADICAL CAPACITY AND POLYPHENOL COMPOSITION OF ASPARAGUS SPEARS VARIETIES CULTIVATED UNDER DIFFERENT SUNLIGHT CONDITIONS. In: ACTA SCIENTIARUM POLONORUM-TECHNOLOGIA ALIMENTARIA Volume: 15 Issue: 3 Pages: 267-279, WOS
3. [1.1] Li, SJ (Li, Shijie); Xiong, QP (Xiong, Qingping); Lai, XP (Lai, Xiaoping); Li, X (Li, Xia); Wan, M (Wan, Mianjie); Zhang, JN (Zhang, Jingnian); Yan, YJ (Yan, Yajuan); Cao, M (Cao, Man); Lu, L (Lu, Lun); Guan, JM (Guan, Jiemin); Zhang, DY (Zhang, Danyan); Lin, Y (Lin, Ying): Molecular Modification of Polysaccharides and Resulting Bioactivities. In: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY Volume: 15 Issue: 2 Pages: 237-250, WOS
4. [1.1] Mazlita, Y (Mazlita, Y.); Lee, HV (Lee, H. V.); Hamid, SBA (Hamid, S. B. A.): Preparation of Cellulose Nanocrystals Bio-Polymer From Agro-Industrial Wastes: Separation and Characterization. In: POLYMERS & POLYMER COMPOSITES Volume: 24 Issue: 9 Pages: 719-728, WOS
5. [1.1] Triki, A (Triki, A.); Dittmer, J (Dittmer, J.); Ben Hassen, M (Ben Hassen, Med); Arous, M (Arous, M.); Bulou, A (Bulou, A.); Gargouri, M (Gargouri, Med): Spectroscopy analyses of hybrid unsaturated polyester composite reinforced by Alfa, wool, and thermo-binder fibres. In: POLYMER SCIENCE SERIES A Volume: 58 Issue: 2 Pages: 255-264, WOS
6. [1.1] Wang, J (Wang, Juan); Lu, HD (Lu, He Dong); Muhammad, U (Muhammad, Umair); Han, JZ (Han, Jin Zhi); Wei, ZH (Wei, Zhao Hui); Lu, ZX (Lu, Zhao Xin); Bie, XM (Bie, Xiao Mei); Lu, FX (Lu, Feng Xia): Ultrasound-assisted extraction of polysaccharides from Artemisia selengensis Turcz and its antioxidant and anticancer activities. In: JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE Volume: 53 Issue: 2 Pages: 1025-1034, WOS
7. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS
8. [1.1] Yip, KM (Yip, Ka-Man); Xu, J (Xu, Jun); Tong, WS (Tong, Wing-Sum); Zhou, SS (Zhou, Shan-Shan); Yi, T (Yi, Tao); Zhao, ZZ (Zhao, Zhong-Zhen); Chen, HB (Chen, Hu-Biao): Ultrasound-Assisted Extraction May Not Be a Better Alternative Approach than Conventional Boiling for Extracting Polysaccharides from Herbal Medicines. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1569, WOS
9. [1.2] Alzorqi, I., & Manickam, S. (2016). Ultrasonic process intensification for the efficient extraction of nutritionally active ingredients of polysaccharides from bioresources. In Handbook of ultrasonics and sonochemistry (Springer, pp. 1271-1286), SCOPUS

10. [1.2] Ayoubi, S., Hashemzadeh, M. S., Majdi, A., Kojuri, S. A., Pahlavan, M., Mirtajani, B., Aghajani, J., Latifi, Z., Ramzanian, R., Shahidzadeh, R., Tat, M., Dorostkar, R. (2016). Effect of sage herb (salvia officinalis) on candida albicans and F. hpatitca. Der Pharmacia Lettre, 8(5), 158-163, SCOPUS

11. [1.2] Kao, T. H., & Chen, B. H. (2015). Functional components in zizyphus with emphasis on polysaccharides. In Polysaccharides: Bioactivity and biotechnology (Springer, pp. 795-827), SCOPUS

ADCA260 HROMÁDKOVÁ, Zdenka - PAULSEN, Berit Smestad - POLOVKA, Martin - KOŠŤÁLOVÁ, Zuzana - EBRINGEROVÁ, Anna. Structural features of two heteroxylan polysaccharide fractions from wheat bran with anti-complementary and antioxidant activities. In Carbohydrate Polymers, 2013, vol. 93, p. 22-30. (3.479 - IF2012). (2013 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Bijalwan, V (Bijalwan, Vandana); Ali, U (Ali, Usman); Kesarwani, AK (Kesarwani, Atul Kumar); Yadav, K (Yadav, Kamalendra); Mazumder, K (Mazumder, Koushik): Hydroxycinnamic acid bound arabinoxylans from millet brans-structural features and antioxidant activity. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 88 Pages: 296-305, WOS

2. [1.1] Feng, L (Feng, Lei); Yin, JY (Yin, Junyi); Nie, SP (Nie, Shaoping); Wan, YQ (Wan, Yiqun); Xie, MY (Xie, Mingyong): Fractionation, physicochemical property and immunological activity of polysaccharides from Cassia obtusifolia. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 946-953, WOS

3. [1.1] Li, Q (Li, Qian); Yuan, XJ (Yuan, Xue-Jiao); Jia, HJ (Jia, Hong-Jiao); Zhang, Y (Zhang, Yi); Wang, WH (Wang, Wen-Hang): New Polysaccharides from Rice Bran Fermented with Monascus anka and Auricularia auricular. In: PROCEEDINGS OF THE 2015 INTERNATIONAL CONFERENCE ON MEDICINE AND BIOPHARMACEUTICALS Pages: 1467-1478, WOS

4. [1.1] Mendis, M (Mendis, Mihiri); Leclerc, E (Leclerc, Estelle); Simsek, S (Simsek, Senay): Arabinoxylans, gut microbiota and immunity. In: CARBOHYDRATE POLYMERS Volume: 139 Pages: 159-166, WOS

5. [1.1] Pavlovich-Abril, A (Pavlovich-Abril, Alan); Rouzaud-Sandez, O (Rouzaud-Sandez, Ofelia); Carvajal-Millan, E (Carvajal-Millan, Elizabeth); Navarro, RE (Elena Navarro, Rosa); Robles-Sanchez, RM (Maribel Robles-Sanchez, Rosario); Barron-Hoyos, JM (Manuel Barron-Hoyos, Jesus): Molecular characterization of water extractable arabinoxylans isolated from wheat fine bran and their effect on dough viscosity. In: LWT-FOOD SCIENCE AND TECHNOLOGY Volume: 74 Pages: 484-492, WOS

6. [1.1] Rosicka-Kaczmarek, J (Rosicka-Kaczmarek, Justyna); Komisarczyk, A (Komisarczyk, Aleksandra); Nebesny, E (Nebesny, Ewa); Makowski, B (Makowski, Bartlomiej): The influence of arabinoxylans on the quality of grain industry products. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 3 Pages: 295-303, WOS

7. [1.1] Wang, JQ (Wang, Junqiao); Hu, SZ (Hu, Shuzhen); Nie, SP (Nie, Shaoping); Yu, Q (Yu, Qiang); Xie, MY (Xie, Mingyong): Reviews on Mechanisms of In Vitro Antioxidant Activity of Polysaccharides. In: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 5692852, WOS

8. [1.1] Yang, T (Yang, Tao); Zhang, SP (Zhang, Shaopeng); Wang, RF (Wang, Rufeng); Li, DP (Li, Danping); Hu, YH (Hu, Yuanhua); Nie, J (Nie, Jing); Zhao, XL (Zhao, Xiaolong); Wang, Q (Wang, Qi); Chen, Y (Chen, Yan); Zheng, YL (Zheng, Yonglian); Chen, P (Chen, Ping): Polysaccharides from Rhizoma Panacis Majoris and its anti-oxidant activity. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 756-763, WOS

9. [1.1] do Nascimento, GE (do Nascimento, Georgia Erdmann); Baggio, CH (Baggio, Cristiane H.); Werner, MFD (de Paula Werner, Maria Fernanda); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Arabinoxylan from Mucilage of Tomatoes (Solanum lycopersicum L.): Structure and Antinociceptive Effect in Mouse Models. In: : JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 6 Pages: 1239-1244, WOS

10. [1.2] Hu, S., Yin, J., Nie, S., Wang, J., Phillips, G. O., Xie, M., & Cui, S. W. (2016). In vitro evaluation of the antioxidant activities of carbohydrates. Bioactive Carbohydrates and Dietary Fibre, 7(2), 19-27, SCOPUS

11. [1.2] Ilyas, U., Katare, D. P., Aeri, V., & Naseef, P. P. (2016). A review on hepatoprotective and immunomodulatory herbal plants. Pharmacognosy Reviews, 10(19), 66-70, SCOPUS

12. [1.2] Liu, C. L., Li, Y., Xu, G. Y., & Li, Y. S. (2016). Isolation, purification and structural characterization of a water-soluble polysaccharide HM41 from halenia elliptica D. don. Chinese Chemical Letters, 27(6), 979-983, SCOPUS

ADCA261 HROMÁDKOVÁ, Zdenka - KOŠŤÁLOVÁ, Zuzana - EBRINGEROVÁ, Anna. Comparison of conventional and ultrasound-assisted extraction of phenolics-rich heteroxylans from wheat bran. In

Ultrasonics Sonochemistry, 2008, vol.15, p. 1062-1068. ISSN 1350-4177.

Citácie:

1. [1.1] Amid, M (Amid, Mehrnoush); Murshid, FS (Murshid, Fara Syazana); Manap, MY (Manap, Mohd Yazid); Sarker, Z (Islam Sarker, Zaidul): Optimization of ultrasound-assisted extraction of pectinase enzyme from guava (Psidium guajava) peel: Enzyme recovery, specific activity, temperature, and storage stability. In: PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY Volume: 46 Issue: 1 Pages: 91-99, WOS

2. [1.1] Dordevic, T (Dordevic, Tatjana); Antov, M (Antov, Mirjana): Wheat chaff utilization: Evaluation of antioxidant capacity of waste streams generated by different pretreatments. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 649-657, WOS

3. [1.1] Fan, L (Fan, Ling); Ma, S (Ma, Sen); Wang, XX (Wang, Xiaoxi); Zheng, XL (Zheng, Xueling): Improvement of Chinese noodle quality by supplementation with arabinoxylans from wheat bran. In: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 3 Pages: 602-608, WOS

4. [1.1] Li, L (Li, Li); Ma, S (Ma, Sen); Fan, L (Fan, Ling); Zhang, C (Zhang, Chi); Pu, XQ (Pu, Xiaoqing); Zheng, XL (Zheng, Xueling); Wang, XX (Wang, Xiaoxi): The influence of ultrasonic modification on arabinoxylans properties obtained from wheat bran. In: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 11 Pages: 2338-2344, WOS

5. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS

6. [1.1] Wang, JQ (Wang, Junqiao); Hu, SZ (Hu, Shuzhen); Nie, SP (Nie, Shaoping); Yu, Q (Yu, Qiang); Xie, MY (Xie, Mingyong): Reviews on Mechanisms of In Vitro Antioxidant Activity of Polysaccharides. In: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 5692852, WOS

7. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS

8. [1.2] Fan, L., Ma, S., Wang, X., Wang, R., & Chen, C. (2016). Effect of addition level and particle size of wheat bran on fermented dough properties. Journal of the Chinese Cereals and Oils Association, 31(6), 29-34, SCOPUS

9. [1.2] Fan, L., Ma, S., Wang, X., Wang, R., & Chen, C. (2016). Effect of addition level and particle size of wheat bran on fermented dough properties. Journal of the Chinese Cereals and Oils Association, 31(7), 19-24, SCOPUS

10. [1.2] Onivogui, G., & Song, Y. (2016). Isolation process of antimicrobial compounds from plants. In High value processing technologies (Nova Science Publishers, chapter 8, pp. 143-162), SCOPUS

ADCA262 HROMÁDKOVÁ, Zdenka - KOŠŤÁLOVÁ, Zuzana - VRCHOTOVÁ, Nadežda - EBRINGEROVÁ, Anna. Non- cellulosic polysaccharides from the leaves of small balsam (Impatients parviflora DC.). In Carbohydrate Research, 2014, vol. 389, p. 147-153. (1.966 - IF2013). (2014 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] He, SD (He, Shudong); Wang, X (Wang, Xin); Zhang, Y (Zhang, Yi); Wang, J (Wang, Jing); Sun, HJ (Sun, Hanju); Wang, JH (Wang, Junhui); Cao, XD (Cao, Xiaodong); Ye, YK (Ye, Yongkang): Isolation and prebiotic activity of water-soluble polysaccharides fractions from the bamboo shoots (Phyllostachys praecox). In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 295-304, WOS

2. [1.1] Pawlaczyk-Graja, I (Pawlaczyk-Graja, Izabela); Balicki, S (Balicki, Sebastian); Ziewiecki, R (Ziewiecki, Rafal); Matulova, M (Matulova, Maria); Capek, P (Capek, Peter); Gancarz, R (Gancarz, Roman): Polyphenolic-polysaccharide conjugates of Sanguisorba officinalis L. with anticoagulant activity mediated mainly by heparin cofactor II. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 1019-1029, WOS

ADCA263 HROMÁDKOVÁ, Zdenka - KOVÁČIKOVÁ, J. - EBRINGEROVÁ, Anna. Study of the classical and ultrasound-assisted extraction of the corn cob xylan. In Industrial crops and products : An international journal, 1999, vol. 9, p. 101-109. ISSN 0926-6690.

Citácie:

1. [1.1] Arshadi, M (Arshadi, Mehrdad); Attard, TM (Attard, Thomas M.); Lukasik, RM (Lukasik, Rafal M.); Brncic, M (Brncic, Mladen); Lopes, AMD (Lopes, Andre M. da Costa); Finell, M (Finell, Michael); Geladi, P (Geladi, Paul); Gerschenson, LN (Noemi Gerschenson, Lia) et al.: Pre-treatment and extraction techniques for recovery of added value compounds from wastes

throughout the agri-food chain. In: GREEN CHEMISTRY Volume: 18 Issue: 23 Pages: 6160-6204, WOS
2. [1.1] Doring, C (Doering, Clemens); Jekle, M (Jekle, Mario); Becker, T (Becker, Thomas): Technological and Analytical Methods for Arabinoxylan Quantification from Cereals. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Issue: 6 Pages: 999-1011, WOS
3. [1.1] Farahani, GT (Farahani, G. Taghizadeh); Azari, PY (Azari, P. Yosefi): Improving the oil yield of Iranian Jatropha curcas seeds by optimising ultrasound-assisted ethanolic extraction process: a response surface method. In: QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS Volume: 8 Issue: 1 Pages: 95-104, WOS
4. [1.1] Goula, AM (Goula, Athanasia M.); Thymiatis, K (Thymiatis, Konstantinos); Kaderides, K (Kaderides, Kyriakos): Valorization of grape pomace: Drying behavior and ultrasound extraction of phenolics. In: FOOD AND BIOPRODUCTS PROCESSING Volume: 100 Pages: 132-144, WOS
5. [1.1] Jadhav, AJ (Jadhav, Ananda J.); Holkar, CR (Holkar, Chandrakant R.); Goswami, AD (Goswami, Abhijeet D.); Pandit, AB (Pandit, Aniruddha B.); Pinjari, DV (Pinjari, Dipak V.): Acoustic Cavitation as a Novel Approach for Extraction of Oil from Waste Date Seeds. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 8 Pages: 4256-4263, WOS
6. [1.1] Mohd Abdul Alim, N. A. S., Sulaiman, A. Z., & Ajit, A. (2016). Application of ultrasound on the extraction of vitexin from ficus deltoidea leaves. ARPN Journal of Engineering and Applied Sciences, 11(4), 2199-2204, SCOPUS
7. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip).: Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
8. [1.1] Qian, SQ (Qian, Shi-Quan); Zhou, LF (Zhou, Lan-Feng); Shi, YZ (Shi, Ya-Zhong); Wu, YH (Wu, Ya-Hua); Xu, H (Xu, Hui); Lu, ZX (Lu, Zhao-Xin): SODIUM HYDROXIDE-INDUCED PROCESS FOR EFFICIENT XYLAN EXTRACION FROM CORN STRAWS. In: CURRENT TOPICS IN NUTRACEUTICAL RESEARCH Volume: 14 Issue: 1 Pages: 73-80, WOS
9. [1.1] Safin, RR (Safin, Ruslan R.); Nazipova, FV (Nazipova, Farida V.); Ziatdinov, RR (Ziatdinov, Radis R.); Khasanshin, RR (Khasanshin, Ruslan R.); Beliakova, EA (Beliakova, Elena A.): ULTRASONIC INTENSIFICATION OF ALKALINE TREATMENT OF FILLER IN THE PRODUCTION OF WOOD-PLASTIC COMPOSITE. In: ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL I Book Series Title: International Multidisciplinary Scientific GeoConference-SGEM Pages: 777-783, WOS
10. [3.1] Costa, G.; Plazanet, I. (2016). Plant cell wall, a challenge for its characterisation. Advances in Biological Chemistry, 6(3), 70-105. D

ADCA264 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Ultrasonic extraction of plant materials-investigation of hemicellulose release from buckwheat hulls. In Ultrasonics Sonochemistry, 2003, vol.10, p. 127-133. ISSN 1350-4177.

Citácie:

1. [1.1] Afsharian Torghabe S, Sheikholeslami Z, Ataye Salehi E. (2016). Effect of orange peel essential oils as a natural preservative on rheological, sensory and microbial properties of cup cake. Iranian Journal of Food Science and Technology (2008-8787), 13(50), 133-143
2. [1.1] Borchani, C (Borchani, Chema); Fonteyn, F (Fonteyn, Fabienne); Jamin, G (Jamin, Guilhem); Destain, J (Destain, Jacqueline); Willems, L (Willems, Luc); Paquot, M (Paquot, Michel); Blecker, C (Blecker, Christophe); Thonart, P (Thonart, Philippe): Structural Characterization, Technological Functionality, and Physiological Aspects of Fungal beta-D-glucans: A Review. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Issue: 10 Pages: 1746-1752, WOS
3. [1.1] Jiang, X (Jiang, Xiang); Kuang, F (Kuang, Fei); Kong, FS (Kong, Fansheng); Yan, CY (Yan, Chunyan): Prediction of the antiglycation activity of polysaccharides from Benincasa hispida using a response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 358-363, WOS
4. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS
5. [1.1] Tavakolpour, Y (Tavakolpour, Yousef); Moosavi-Nasab, M (Moosavi-Nasab, Marzieh); Niakousari, M (Niakousari, Mehrdad); Haghighi-Manesh, S (Haghighi-Manesh, Soroush): Influence of extraction methods on antioxidant and antimicrobial properties of essential oil from Thymua danesis subsp. Lancifolius. In: FOOD SCIENCE & NUTRITION Volume: 4 Issue: 2 Pages: 156-162, WOS

6. [1.1] Vaickelionis, G (Vaickelionis, Giedrius); Valanciene, V (Valanciene, Virginija): Lightweight Concrete with an Agricultural Waste - Buckwheat Husk. In: : MATERIALS SCIENCE-MEDZIAGOTYRA Volume: 22 Issue: 1 Pages: 98-104, WOS
7. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS
8. [1.1] Zhao, YY (Zhao Yuying); Wang, EB (Wang Erbing): STUDY ON FUNDAMENTAL PROCESS OF CODONOPSIS PILOSULA DESULFURIZATION AND IN VITRO ANTIBACTERIAL ACTIVITY OF ITS POLYSACCHARIDE EXTRACT ON ESCHERICHIA COLI. In: PHARMACEUTICAL CHEMISTRY JOURNAL Volume: 49 Issue: 11 Pages: 782-787, WOS
9. [1.1] Zheng, Q (Zheng, Quan); Ren, DY (Ren, Daoyuan); Yang, N (Yang, Nana); Yang, XB (Yang, Xingbin): Optimization for ultrasound-assisted extraction of polysaccharides with chemical composition and antioxidant activity from the Artemisia sphaerocephala Krasch seeds. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 856-866, WOS
10. [1.2] Cravotto, G., & Binello, A. (2016). Low-frequency, high-power ultrasound-assisted food component extraction. In Innovative food processing technologies: Extraction, separation, component modification and process intensification (Elsevier, chapter 1, pp. 3-29), SCOPUS
11. [1.2] Subhedar, P. B., & Gogate, P. R. (2016). Use of ultrasound for pretreatment of biomass and subsequent hydrolysis and fermentation. In Biomass fractionation technologies for a lignocellulosic feedstock based biorefinery (Elsevier, chapter 6, pp. 127-149), SCOPUS
12. [1.2] Yuying, Z., & Erbing, W. (2016). Study on fundamental process of codonopsis pilosula desulfurization and in vitro antibacterial activity of its polysaccharide extract on escherichia coli. Pharmaceutical Chemistry Journal, 49(11), 782-787, SCOPUS

ADCA265 HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Zur Isolierung von Hemicellulosen der Roggenkleie. In Nahrung/Food, 1987, vol. 31, p. 149-156. ISSN 0027-769X.

Citácie:

1. [1.1] Rainakari, AI (Rainakari, Aliki-Ilona); Rita, H (Rita, Hannu); Putkonen, T (Putkonen, Tiina); Pastell, H (Pastell, Helena): New dietary fibre content results for cereals in the Nordic countries using AOAC 2011.25 method. In: JOURNAL OF FOOD COMPOSITION AND ANALYSIS Volume: 51 Pages: 1-8, WOS
2. [3.1] Döring C, Jekle M, Becker T. (2016). Technological and analytical methods for arabinoxylan quantification from cereals. Critical Rreviews in Food Science and Nutrition, 56(6), 999-1011

ADCA266 HUCÍK, M. - BUČKO, Marek - GEMEINER, Peter - ŠTEFUCA, V. - VIKARTOVSKÁ, Alica, Welwardová - MIHOVILOVIČ, M.D. - RUDROFF, F. - IQBAL, N. - CHORVÁT, Dušan Jr. - LACÍK, Igor. Encapsulation of recombinant E. coli expressing cyclopentanone monooxygenasein polyelectrolyte complex capsules for Baeyer-Villiger biooxidation of 8-oxabicyclo (3.2.1.)oct-6-en-3-one. In Biotechnology Letters, 2010, vol. 32, p. 675-680. (1.636 - IF2009). (2010 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] KRASNAN, V. - STLOUKAL, R. - ROSENBERG, M. - REBROS, M. Immobilization of cells and enzymes to LentiKats (R). In APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. ISSN 0175-7598, MAR 2016, vol. 100, no. 6, p. 2535-2553., WOS

ADCA267 HUDEC, J. - BURDOVÁ, M. - KOPIDA, Ľ. - KOMORA, L. - MACHO, V. - KOGAN, Grigorij - TURIANICA, Ivan - KOCHANOVÁ, R. - LOŽEK, Otto - HABÁN, M. - CHLEBO, Peter. Antioxidant capacity changes and phenolic profile of Echinacea purpurea, nettle (Urtica dioica L.), and dandelion (Taraxacum officinale) after application of polyamine and phenolic biosynthesis regulators. In Journal of agricultural and food chemistry, 2007, vol. 55, p. 5689-5696. (2007 - Current Contents). ISSN 0021-8561.

Citácie:

1. [1.1] Ahmad, M (Ahmad, Mushtaq); Khan, MPZ (Khan, Muhammad Pukhtoon Zada); Mukhtar, A (Mukhtar, Anam); Zafar, M (Zafar, Muhammad); Sultana, S (Sultana, Shazia); Jahan, S (Jahan, Sarwat): Ethnopharmacological survey on medicinal plants used in herbal drinks among the traditional communities of Pakistan. In: JOURNAL OF ETHNOPHARMACOLOGY Volume: 184 Pages: 154-186, WOS
2. [1.1] Dermesonluoglu, E (Dermesonluoglu, Efimia); Fileri, K (Fileri, Kalliopi); Orfanoudaki, A (Orfanoudaki, Argiro); Tsevdou, M (Tsevdou, Maria); Tsironi, T (Tsironi, Theofania); Taoukis, P (Taoukis, Petros): Modelling the microbial spoilage and quality decay of pre-packed dandelion leaves as a function of temperature. In: JOURNAL OF FOOD ENGINEERING Volume: 184 Pages: 21-30, WOS
3. [1.1] Ersoy, SK (Ersoy, Seyda Karaman); Tutem, E (Tutem, Esma); Baskan, KS (Baskan, Kevser Sozgen); Apak, R (Apak, Resat); Nergiz, C (Nergiz, Cevdet): Preparation, characterization

and usage of molecularly imprinted polymer for the isolation of quercetin from hydrolyzed nettle extract. In: JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES Volume: 1017 Pages: 89-100, WOS
4. [1.1] Gobi, N (Gobi, Narayanan); Ramya, C (Ramya, Chinnu); Vaseeharan, B (Vaseeharan, Baskaralingam); Malaikozhundan, B (Malaikozhundan, Balasubramanian); Vijayakumar, S (Vijayakumar, Sekar); Murugan, K (Murugan, Kadarkarai); Benelli, G (Benelli, Giovanni): Oreochromis mossambicus diet supplementation with Psidium guajava leaf extracts enhance growth, immune, antioxidant response and resistance to Aeromonas hydrophila. In: FISH & SHELLFISH IMMUNOLOGY Volume: 58 Pages: 572-583, WOS
5. [1.1] Hfaiedh, M (Hfaiedh, Mbarka); Brahmi, D (Brahmi, Dalel); Zourgui, L (Zourgui, Lazhar): Hepatoprotective effect of Taraxacum officinale leaf extract on sodium dichromate-induced liver injury in rats. In: ENVIRONMENTAL TOXICOLOGY Volume: 31 Issue: 3 Pages: 339-349, WOS
6. [1.2] Abbas, W. T., & Awada, E. (2016). Effect of leek (allium ampeloprasum L.) extract on biotransformation enzymes and innate immunity of catfish (clarias gariepinus) exposed to benzo[a]pyrene. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(6), 2210-2223, SCOPUS
7. [1.2] Beniwal, P., Jood, S., & Arora, S. (2016). Mango seed kernel: Physico-chemical properties, nutritional composition and antioxidant activity. Annals of Agri Bio Research, 21(2), 179-182, SCOPUS

ADCA268 HUSÁROVÁ, Slavomíra - VAITILINGOM, Mickael - DEGUILLAUME, Laurent - TRAIKIA, Mounir - VINATIER, Virginie - SANCELME, Martine - AMATO, Pierre - MATULOVÁ, Mária - DELORT, Anne-Marie. Biotransformation of methanol and formaldehyde by bacteria isolated from clouds. Comparison with radical chemistry. In Atmospheric Environment, 2011, vol. 45, p. 6093-6102. (3.226 - IF2010). (2011 - Current Contents). ISSN 1352-2310.

Citácie:
1. [1.1] Henderson, TJ (Henderson, Tery J.); Salem, H (Salem, Hary): The Atmosphere: Its Developmental History and Contributions to Microbial Evolution and Habitat. In: AEROBIOLOGY: THE TOXICOLOGY OF AIRBORNE PATHOGENS AND TOXINS Book Series: Issues in Toxicology Volume: 25 Pages: 1-41, WOS

ADCA269 HUSHEGYI, András - TKÁČ, Ján. Are glycan biosensors an alternative to glycan microarrays? In Analytical Methods, 2014, vol. 6, p. 6610-6620. (1.938 - IF2013). (2014 - Current Contents). ISSN 1759-9660.

Citácie:
1. [1.1] Gerlach, JQ (Gerlach, Jared Q.); Kilcoyne, M (Kilcoyne, Michelle); Joshi, L (Joshi, Lokesh): APPLICATIONS OF NANOTECHNOLOGY IN ARRAY-BASED CARBOHYDRATE ANALYSIS AND PROFILING. In: CARBOHYDRATE NANOTECHNOLOGY Pages: 267-283, WOS

ADCA270 HUSHEGYI, András - DAMBORSKÁ, Dominika - BERTÓK, Tomáš - ADAM, Vojtech - KIZEK, René - TKÁČ, Ján. Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. In Biosensors and Bioelectronic, 2016, vol. 79, p. 644-649. (7.476 - IF2015). (2016 - Current Contents). ISSN 0956-5663.

Citácie:
1. [1.1] ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141:, WOS
2. [1.1] Akiba, U (Akiba, Uichi); Anzai, J (Anzai, Jun-ichi): Recent Progress in Electrochemical Biosensors for Glycoproteins. In: SENSORS Volume: 16 Issue: 12 Article Number: 2045, WOS
3. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS
4. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS

ADCA271 HUSHEGYI, András - BERTÓK, Tomáš - DAMBORSKÝ, Pavel - KATRLÍK, Jaroslav - TKÁČ, Ján. An ultrasensitive impedimetric glycan biosensor with controlled glycan density for detection of lectins and influenza hemagglutinins. In Chemical Communication, 2015, vol. 51, p. 7474-7477. (6.834 - IF2014). (2015 - Current Contents). ISSN 1359-7345.

Citácie:
1. [1.1] Akiba, U (Akiba, Uichi); Anzai, J (Anzai, Jun-ichi): Recent Progress in Electrochemical

Biosensors for Glycoproteins. In: SENSORS Volume: 16 Issue: 12 Article Number: 2045, WOS
2. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS
3. [1.1] Chaudhary, PM (Chaudhary, Preeti Madhukar); Gade, M (Gade, Madhuri); Yellin, RA (Yellin, Rina Arad); Sangabathuni, S (Sangabathuni, Sivakoti); Kikkeri, R (Kikkeri, Raghavendra): Targeting label free carbohydrate-protein interactions for biosensor design. In: ANALYTICAL METHODS Volume: 8 Issue: 17 Pages: 3410-3418, WOS
4. [1.1] He, XP (He, Xiao-Peng); Zeng, YL (Zeng, Ya-Li); Tang, XY (Tang, Xin-Ying); Li, N (Li, Na); Zhou, DM (Zhou, Dong-Ming); Chen, GR (Chen, Guo-Rong); Tian, H (Tian, He): Rapid Identification of the Receptor-Binding Specificity of InfluenzaA Viruses by Fluorogenic Glycofoldamers. In: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 55 Issue: 45 Pages: 13995-13999, WOS
5. [1.1] Wahiba, M (Wahiba, Mokhtari); Feng, XQ (Feng, Xue-Qing); Zang, Y (Zang, Yi); James, TD (James, Tony D.); Li, J (Li, Jia); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng): A supramolecular pyrenyl glycoside-coated 2D MoS2 composite electrode for selective cell capture. In: CHEMICAL COMMUNICATIONS Volume: 52 Issue: 78 Pages: 11689-11692, WOS
6. [1.1] Wang, RH (Wang, Ronghui); Li, YB (Li, Yanbin): Biosensors for Rapid Detection of Avian Influenza. In: STEPS FORWARDS IN DIAGNOSING AND CONTROLLING INFLUENZA Pages: 61-84, WOS

ADCA272 CHORVATOVIČOVÁ, Darina - MACHOVÁ, Eva - ŠANDULA, Jozef. Effect of ultrasonicated carboxymethylglucan on cyclophosphamide induced mutagenicity. In Mutation research : genetic toxicology, 1996, vol. 371, no.1-2, p. 115-120. ISSN 0165-1218.

Citácie:

1. [1.1] URT-FILHO, A. - OLIVEIRA, R.J. - HERMETO, L.C. - PESARINI, J.R. - DE DAVID, N. - CANTERO, W.D. - FALCAO, G. - MARKS, G. - ANTONIOLLI-SILVA, A.C.M.B. Mesenchymal stem cell therapy promotes the improvement and recovery of renal function in a preclinical model. In GENETICS AND MOLECULAR BIOLOGY. ISSN 1415-4757, 2016, vol. 39, no. 2, p. 290-299., WOS

ADCA273 CHORVATOVIČOVÁ, Darina - MACHOVÁ, Eva - ŠANDULA, Jozef. Ultrasonication: the way to achieve antimutagenic effect of carboxymethyl-chitin-glucan by oral administration. In Mutation research : genetic toxicology and environmental mutagenesis, 1998, vol. 412, no. 1, p. 83-89. ISSN 1383-5718.

Citácie:

1. [1.1] URT-FILHO, A. - OLIVEIRA, R.J. - HERMETO, L.C. - PESARINI, J.R. - DE DAVID, N. - CANTERO, W.D. - FALCAO, G. - MARKS, G. - ANTONIOLLI-SILVA, A.C.M.B. Mesenchymal stem cell therapy promotes the improvement and recovery of renal function in a preclinical model. In GENETICS AND MOLECULAR BIOLOGY. ISSN 1415-4757, 2016, vol. 39, no. 2, p. 290-299., WOS

ADCA274 CHORVATOVIČOVÁ, Darina - ŠANDULA, Jozef. Effect of carboxymethyl-chitin-glucan on cyclophosphamide induced mutagenicity. In Mutation Research Letters, 1995, vol. 346, iss.1, p.43-48. (1995 - Current Contents). ISSN 0165-7992.

Citácie:

1. [1.1] ABDEL-MOHSEN, A.M. - JANCAR, J. - MASSOUD, D. - FOHLEROVA, Z. - ELHADIDY, H. - SPOTZ, Z. - HEBEISH, A. Novel chitin/chitosan-glucan wound dressing: Isolation, characterization, antibacterial activity and wound healing properties. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, 2016, vol. 510, no. 1, p. 86-99., WOS
2. [1.2] GAMAL-ELDEEN, A.M. - ABO-ZEID, M.A. - EL-DALY, S.M. - ABO-ELFADL, M.T. - FAHMY, C.A. - ALI, M.R. - EL-SAYED, M.A. In vivo genotoxicity of gold nanorods in mouse bone marrow compared with cyclophosphamide. In NANO BIOMEDICINE AND ENGINEERING. ISSN 2150-5578, 2016, vol. 8, no. 4, p. 306-314, SCOPUS

ADCA275 CHYBA, Andrej - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. Synthesis of 4-nitrophenyl caffeate and its use in assays of caffeoyl esterases. In Analytical Biochemistry, 2014, vol. 445, p. 49-53. (2.305 - IF2013). (2014 - Current Contents). ISSN 0003-2697.

Citácie:

1. [1.1] Gopalan, N (Gopalan, Nishant); Nampoothiri, KM (Nampoothiri, Kesavan Madhavan); Szakacs, G (Szakacs, George); Parameswaran, B (Parameswaran, Binod); Pandey, A (Pandey, Ashok): Solid-state fermentation for the production of biomass valorizing feruloyl esterase. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 7 Pages: 7-13, WOS

ADCA276 ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - ŠPITÁLSKY, Zdenko - MIČUŠÍK, Matej - CSOMOROVÁ, Katarína - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - MOSNÁČEK, Jaroslav. A

tertiary amine in two competitive processes: Reduction of graphene oxide vs. catalysis of atom transfer radical polymerization. In RSC Advances, 2015, vol. 5, p. 3370-3376. (3.840 - IF2014). (2015 - Current Contents). ISSN 2046-2069.

Citácie:

1. [1.1] SHANMUGAM, S. - XU, J.T. - BOYER, C. Aqueous RAFT Photopolymerization with Oxygen Tolerance. In MACROMOLECULES. ISSN 0024-9297, DEC 27 2016, vol. 49, no. 24, p. 9345-9357., WOS

ADCA277 ILČÍKOVÁ, Markéta - FILIP, Jaroslav - MRLÍK, Miroslav - PLACHÝ, Tomáš - TKÁČ, Ján - KASÁK, Peter. Polypyrrole nanotubes decorated with gold particles applied for construction of enzymatic bioanodes and biocathodes. In International Journal of Electrochemical Science, 2015, vol. 10, p. 6558-6571. (1.500 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1452-3981.

Citácie:

1. [1.1] Li, Y (Li, Yu); Bober, P (Bober, Patrycja); Apaydin, DH (Apaydin, Dogukan H.); Syrovy, T (Syrovy, Tomas); Sariciftci, NS (Sariciftci, Niyazi Serdar); Hromadkova, J (Hromadkova, Jirina); Sapurina, I (Sapurina, Irina); Trchova, M (Trchova, Miroslava); Stejskal, J (Stejskal, Jaroslav): Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. In: SYNTHETIC METALS Volume: 221 Pages: 67-74, WOS

ADCA278 ILČÍKOVÁ, Markéta - TKÁČ, Ján - KASÁK, Peter. Switchable materials containing polyzwitterion moieties. In Polymers : Open Access Polymer Science Journal, 2015, vol. 7, p. 2344-2370. (3.681 - IF2014). (2015 - Current Contents). ISSN 2073-4360.

Citácie:

1. [1.1] Alvarez-Lorenzo, C (Alvarez-Lorenzo, Carmen); Garcia-Gonzalez, CA (Garcia-Gonzalez, Carlos A.); Bucio, E (Bucio, Emilio); Concheiro, A (Concheiro, Angel): Stimuli-responsive polymers for antimicrobial therapy: drug targeting, contact-killing surfaces and competitive release. In: EXPERT OPINION ON DRUG DELIVERY Volume: 13 Issue: 8 Pages: 1109-1119, WOS

2. [1.1] Martinez, JS (Martinez, Jessica S.); Kelly, KD (Kelly, Kristopher D.); Ghoussoub, YE (Ghoussoub, Yara E.); Delgado, JD (Delgado, Jose D.); Keller, TCS (Keller, Thomas C. S., III); Schlenoff, JB (Schlenoff, Joseph B.): Cell resistant zwitterionic polyelectrolyte coating promotes bacterial attachment: an adhesion contradiction. In: BIOMATERIALS SCIENCE Volume: 4 Issue: 4 Pages: 689-698, WOS

ADCA279 ISRAILIDES, C. - KLETSAS, D. - ARAPOGLOU, D. - PHILIPPOUSSIS, A. - PRATSISNIS, H. - EBRINGEROVÁ, Anna - HŘÍBALOVÁ, V. - HARDING, S.E. In vitro cytostatic and immunomodulatory properties of the medicinal mushroom Lentinula edodes. In Phytomedicine, 2008, vol.15, p. 512-519.

Citácie:

1. [1.1] Sumic, Z (Sumic, Zdravko); Tepic, A (Tepic, Aleksandra); Vidovic, S (Vidovic, Senka); Vladic, J (Vladic, Jelena); Pavlic, B (Pavlic, Branimir): Drying of shiitake mushrooms in a vacuum dryer and optimization of the process by response surface methodology (RSM). In: JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION Volume: 10 Issue: 3 Pages: 425-433, WOS

2. [1.1] Vetchinkina, E (Vetchinkina, Elena); Shirokov, A (Shirokov, Alexandr); Bucharskaya, A (Bucharskaya, Alla); Navolokin, N (Navolokin, Nikita); Prilepskii, A (Prilepskii, Artur); Burov, A (Burov, Andrey); Maslyakova, G (Maslyakova, Galina); Nikitina, V (Nikitina, Valentina): Antitumor Activity of Extracts from Medicinal Basidiomycetes Mushrooms. In: INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS Volume: 18 Issue: 11 Pages: 955-964, WOS

3. [1.2] Resurreccion, N. G. U., Shen, C. C., & Ragasa, C. Y. (2016). Chemical constituents of lentinus edodes. Der Pharmacia Lettre, 8(4), 117-120., SCOPUS

ADCA280 JAHODÁŘ, L. - VOTICKÝ, Zdeno - CAVA, M.P. Geissoschizol in Peschiera laeta. In Phytochemistry, 1974, vol. Vol. 13, p. 2880-2881. ISSN 0031-9422.

Citácie:

1. [1.1] Marinho, FF (Marinho, Flavio F.); Simoes, AO (Simoes, Andre Olmos); Barcellos, T (Barcellos, Thiago); Moura, S (Moura, Sidnei): Brazilian Tabernaemontana genus: Indole alkaloids and phytochemical activities. In: FITOTERAPIA Volume: 114 Pages: 127-137, WOS

ADCA281 JAKUBÍKOVÁ, Lucia - FARKAŠ, Vladimír - KOLAROVA, Nadežda - NEMČOVIČ, Marek. Conidiation of Trichoderma atroviride isolate during submerged cultivation in a laboratory stirred-tank fermenter. In Folia microbiologica, 2006, vol. 51, p. 209-213. (0.977 - IF2005). (2006 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Daryaei, A (Daryaei, A.); Jones, EE (Jones, E. E.); Ghazalibiglar, H (Ghazalibiglar, H.); Glare, TR (Glare, T. R.); Falloon, RE (Falloon, R. E.): Effects of temperature, light and incubation period on production, germination and bioactivity of Trichoderma atroviride. In: JOURNAL OF APPLIED MICROBIOLOGY Volume: 120 Issue: 4 Pages: 999-1009, WOS

2. [1.1] Lin, H (Lin, Hui); Travisano, M (Travisano, Michael); Kazlauskas, RJ (Kazlauskas, Romas J.): The Fungus Trichoderma Regulates Submerged Conidiation Using the Steroid Pregnenolone. In: ACS CHEMICAL BIOLOGY Volume: 11 Issue: 9 Pages: 2568-2575, WOS

ADCA282 JANÁK, Marián - FROITZHEIM, Nikolaus - YOSHIDA, Kenta - SASINKOVÁ, Vlasta - NOSKO, Martin - KOBAYASHI, T. - HIRAJIMA, Takao - VRABEC, Mirijam. Diamond in metasedimentary crustal rocks from Pohorje, Eastern Alps: a window to deep continental subduction. In Journal of Metamorphic Geology, 2015, vol. 33, p. 495-512. (4.147 - IF2014). (2015 - Current Contents). ISSN 0263-4929.

Citácie:

1. [1.1] BERGER, Julien. Discovery of metamorphic microdiamonds from the parautochthonous units of the Variscan French Massif Central: Comment. In Gondwana Research. ISSN 1342937X, 2016-10-01, 38, pp. 370-371., SCOPUS

2. [1.1] KRAMAR, Sabina - TRAJANOVA, Mirka - DOLENEC, Matej - GUTMAN, Maja - BEDJANIC, Mojca - MLADENOVIC, Ana. Heritage Stone 7. Pohorje Granodiorite One of the Most Significant Slovenian Natural Stones. In GEOSCIENCE CANADA. ISSN 0315-0941, 2016, vol. 43, no., pp. 79-88., WOS

3. [1.1] NASDALA, Lutz - STEGER, Simon - REISSNER, Claudia. Raman study of diamond-based abrasives, and possible artefacts in detecting UHP microdiamond. In LITHOS. ISSN 0024-4937, 2016, vol. 265, no., pp. 317-327., WOS

4. [1.1] POMELLA, Hannah - FLOESS, David - SPECKBACHER, Romed - TROPPER, Peter - FUEGENSCHUH, Bernhard. The western end of the Eoalpine High-Pressure Belt (Texel unit, South Tyrol / Italy). In TERRA NOVA. ISSN 0954-4879, 2016, vol. 28, no. 1, pp. 60-69., WOS

5. [1.1] SCHORN, S. - STUEWE, K. The Plankogel detachment of the Eastern Alps: petrological evidence for an orogen-scale extraction fault. In JOURNAL OF METAMORPHIC GEOLOGY. ISSN 0263-4929, 2016, vol. 34, no. 2, pp. 147-166., WOS

ADCA283 JANTOVÁ, Soňa - KOŇARIKOVÁ, Katarína - LETAŠIOVÁ, Silvia - PAULOVIČOVÁ, Ema - MILATA, Viktor - BREZOVÁ, Vlasta. Photochemical and phototoxic properties of ethyl 1,4-dihydro-8-nitro-4-oxoquinoline-3-carboxylate, a new quinoline derivative. In Journal of Photochemistry and Photobiology : B: Biology, 2011, vol. 102, p. 77-91. (2.116 - IF2010). (2011 - Current Contents). ISSN 1011-1344.

Citácie:

1. [1.1] Batalha, PN (Batalha, Pedro Netto); de Souza, MCBV (Bastos Vieira de Souza, Maria Cecilia); Pena-Cabrera, E (Pena-Cabrera, Eduardo); Cruz, DC (Cruz Cruz, David); Boechat, FDS (Santos Boechat, Fernanda da Costa): Quinolones in the Search for New Anticancer Agents. In: CURRENT PHARMACEUTICAL DESIGN Volume: 22 Issue: 39 Pages: 6009-6020, WOS

2. [1.1] Baumler, W (Baeumler, Wolfgang): Singlet Oxygen in the Skin. In: SINGLET OXYGEN: APPLICATIONS IN BIOSCIENCES AND NANOSCIENCES, VOL 2 Book Series Title: Comprehensive Series in Photochemistry and Photobiology Volume: 14 Pages: 205-226, WOS

ADCA284 JAYSON, Gordon C. - MILLER, Gavin J. - HANSEN, Steen U. - BARÁTH, Marek - GARDINER, John M. - AVIZIENYTE, Egle. The development of anti-angiogenic heparan sulfate oligosaccharides. In Biochemical society transactions, 2014, vol. 42, p. 1596-1600. (3.238 - IF2013). (2014 - Current Contents). ISSN 0300-5127.

Citácie:

1. [1.1] Pasqualon, T (Pasqualon, Tobias); Lue, HQ (Lue, Hongqi); Groening, S (Groening, Sabine); Pruessmeyer, J (Pruessmeyer, Jessica); Jahr, H (Jahr, Holger); Denecke, B (Denecke, Bernd); Bernhagen, J (Bernhagen, Juergen); Ludwig, A (Ludwig, Andreas): Cell surface syndecan-1 contributes to binding and function of macrophage migration inhibitory factor (MIF) on epithelial tumor cells. In: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1863 Issue: 4 Pages: 717-726, WOS

ADCA285 JIN, Lan - HRICOVÍNI, Miloš - DEAKIN, Jon A. - LYON, Malcolm - UHRIN, D. Residual dipolar coupling investigation of a heparin tetrasaccharides confirms the limited effect of flexibility of the iduronic acid on the molecular shape of heparin. Jon A. Deakin, Malcolm Lyon, D. Uhrin. In Glycobiology, 2009, vol. 19, no.11, pp.1185-1196. ISSN 0959-6658.

Citácie:

1. [1.1] Samsonov, SA (Samsonov, Sergey A.); Bichmann, L (Bichmann, Leon); Pisabarro, MT (Pisabarro, M. Teresa): Coarse-Grained Model of Glycosaminoglycans. In: JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 55 Issue: 1 Pages: 114-124, WOS

2. [1.1] Singh, A (Singh, Arunima); Tessier, MB (Tessier, Matthew B.); Pederson, K (Pederson, Kari); Wang, XC (Wang, Xiaocong); Venot, AP (Venot, Andre P.); Boons, GJ (Boons, Geert-Jan); Prestegard, JH (Prestegard, James H.); Woods, RJ (Woods, Robert J.): Extension and validation of the GLYCAM force field parameters for modeling glycosaminoglycans. In: CANADIAN JOURNAL OF CHEMISTRY Volume: 94 Issue: 11 Special Issue: SI Pages: 927-935, WOS

3. [1.2] Díaz, D., Canales-Mayordomo, A., Javier Cañada, F., & Jiménez-Barbero, J. (2015).

Solution conformation of carbohydrates: A view by using NMR assisted by modeling. Methods in Molecular Biology, Volume 1273, 261-287, SCOPUS

ADCA286 JOHANSSON, K. - EL-AHMAD, M. - FRIEMANN, R. - JORNVALL, H. - MARKOVIČ, Oskar - EKLUND, Robert C. Crystal structure of plant pectin methylesterase. In FEBS Letters, 2002, vol. 514, p. 243-249. ISSN 0014-5793.

Citácie:

1. [1.1] Buckeridge, MS (Buckeridge, Marcos S.); dos Santos, WD (dos Santos, Wanderley D.); Tine, MAS (Tine, Marco A. S.); de Souza, AP (de Souza, Amanda P.): The Cell Wall Architecture of Sugarcane and its Implications to Cell Wall Recalcitrance. In: COMPENDIUM OF BIOENERGY PLANTS: SUGARCANE Book Series Title: Compendium of Bioenergy Plants Pages: 31-50, WOS

2. [1.1] Kent, LM (Kent, Lisa M.); Loo, TS (Loo, Trevor S.); Melton, LD (Melton, Laurence D.); Mercadante, D (Mercadante, Davide); Williams, MAK (Williams, Martin A. K.); Jameson, GB (Jameson, Geoffrey B.): Structure and Properties of a Non-processive, Salt-requiring, and Acidophilic Pectin Methylesterase from Aspergillus niger Provide Insights into the Key Determinants of Processivity Control. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 3 Pages: 1289-1306, WOS

3. [1.1] Ma, GC (Ma, Guangcai); Zhu, WY (Zhu, Wenyou); Liu, YJ (Liu, Yongjun): QM/MM studies on the calcium-assisted -elimination mechanism of pectate lyase from bacillus subtilis. In: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 84 Issue: 11 Pages: 1606-1615, WOS

4. [1.1] Ruggieri, V (Ruggieri, Valentino); Bostan, H (Bostan, Hamed); Barone, A (Barone, Amalia); Frusciante, L (Frusciante, Luigi); Chiusano, ML (Chiusano, Maria Luisa): Integrated bioinformatics to decipher the ascorbic acid metabolic network in tomato. In: PLANT MOLECULAR BIOLOGY Volume: 91 Issue: 4-5 Pages: 397-412, WOS

5. [1.1] Samaranayake, CP (Samaranayake, Chaminda P.); Sastry, SK (Sastry, Sudhir K.): : Effect of moderate electric fields on inactivation kinetics of pectin methylesterase in tomatoes: The roles of electric field strength and temperature. In: JOURNAL OF FOOD ENGINEERING Volume: 186 Pages: 17-26, WOS

6. [1.1] Samaranayake, CP (Samaranayake, Chaminda P.); Sastry, SK (Sastry, Sudhir K.): Effects of controlled-frequency moderate electric fields on pectin methylesterase and polygalacturonase activities in tomato homogenate. In: FOOD CHEMISTRY Volume: 199 Pages: 265-272, WOS

ADCA287 JOLLY, Pawan - FORMISANO, Nello - TKÁČ, Ján - KASÁK, Peter - FROST, Christopher - ESTRELA, Pedro. Label-free impedimetric aptasensor with antifouling surface chemistry: A prostate specific antigen case study. In Sensors and Actuators B-Chemical, 2015, vol. 209, p. 306-312. (4.097 - IF2014). (2015 - Current Contents). ISSN 0925-4005.

Citácie:

1. [1.1] Erturk, G (Erturk, Gizem); Ozen, H (Ozen, Haluk); Tumer, MA (Tumer, M. Askin); Mattiasson, B (Mattiasson, Bo); Denizli, A (Denizli, Adil): Microcontact imprinting based surface plasmon resonance (SPR) biosensor for real-time and ultrasensitive detection of prostate specific antigen (PSA) from clinical samples. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 224 Pages: 823-832, WOS

2. [1.1] Hanssen, BL (Hanssen, Benjamin L.); Siraj, S (Siraj, Shajahan); Wong, DKY (Wong, Danny K. Y.): Recent strategies to minimise fouling in electrochemical detection systems. In: REVIEWS IN ANALYTICAL CHEMISTRY Volume: 35 Issue: 1 Pages: 1-28, WOS

3. [1.1] Jarczewska, M (Jarczewska, Marta); Gorski, L (Gorski, Lukasz); Malinowska, E (Malinowska, Elzbieta): Electrochemical aptamer-based biosensors as potential tools for clinical diagnostics. In: ANALYTICAL METHODS Volume: 8 Issue: 19 Pages: 3861-3877, WOS

4. [1.1] Liu, BS (Liu, Boshi); Liu, X (Liu, Xia); Shi, S (Shi, Se); Huang, RL (Huang, Renliang); Su, RX (Su, Rongxin); Qi, W (Qi, Wei); He, ZM (He, Zhimin): Design and mechanisms of antifouling materials for surface plasmon resonance sensors. In: ACTA BIOMATERIALIA Volume: 40 Pages: 100-118, WOS

5. [1.1] Malecka, K (Malecka, Kamila); Stachyra, A (Stachyra, Anna); Gora-Sochacka, A (Gora-Sochacka, Anna); Sirko, A (Sirko, Agnieszka); Zagorski-Ostoja, W (Zagorski-Ostoja, Wlodzimierz); Radecka, H (Radecka, Hanna); Radecki, J (Radecki, Jerzy): Electrochemical geno sensor based on disc and screen printed gold electrodes for detection of specific DNA and RNA sequences derived from Avian Influenza Virus H5N1. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 224 Pages: 290-297, WOS

6. [1.1] Mazloum-Ardakaniz, M (Mazloum-Ardakaniz, Mohammad); Hosseinzadeh, L (Hosseinzadeh, Laleh): A Sensitive Electrochemical Aptasensor for TNF-alpha Based on Bimetallic Ag@Pt Core-Shell Nanoparticle Functionalized Graphene Nanostructures as Labels for Signal Amplification. In: JOURNAL OF THE ELECTROCHEMICAL SOCIETY Volume: 163 Issue: 5 Pages: B119-B124, WOS

7. [1.1] Rahi, A (Rahi, A.); Sattarahmady, N (Sattarahmady, N.); Heli, H (Heli, H.): Label-free electrochemical aptasensing of the human prostate-specific antigen using gold nanospears. In: TALANTA Volume: 156 Pages: 218-224, WOS
8. [1.1] Ravalli, A (Ravalli, Andrea); Voccia, D (Voccia, Diego); Palchetti, I (Palchetti, Ilaria); Marrazza, G (Marrazza, Giovanna): Electrochemical, Electrochemiluminescence, and Photoelectrochemical Aptamer-Based Nanostructured Sensors for Biomarker Analysis. In:BIOSENSORS-BASEL Volume: 6 Issue: 3 Article Number: 39, WOS
9. [1.1] Sun, XC (Sun, Xue-cheng); Lei, C (Lei, Chong); Guo, L (Guo, Lei); Zhou, Y (Zhou, Yong): Sandwich immunoassay for the prostate specific antigen using a micro-fluxgate and magnetic bead labels. In: MICROCHIMICA ACTA Volume: 183 Issue: 8 Pages: 2385-2393, WOS
10. [1.1] Sun, XC (Sun, Xuecheng); Zhi, ST (Zhi, Shaotao); Lei, C (Lei, Chong); Zhou, Y (Zhou, Yong): Investigation of contactless detection using a giant magnetoresistance sensor for detecting prostate specific antigen. In: BIOMEDICAL MICRODEVICES Volume: 18 Issue: 4 Article Number: 60, WOS
11. [1.1] Tabarzad, M (Tabarzad, Maryam); Jafari, M (Jafari, Marzieh): Trends in the Design and Development of Specific Aptamers Against Peptides and Proteins. In: PROTEIN JOURNAL Volume: 35 Issue: 2 Pages: 81-99, WOS
12. [1.1] Tahmasebi, F (Tahmasebi, Fatemeh); Noorbakhsh, A (Noorbakhsh, Abdollah): Sensitive Electrochemical Prostate Specific Antigen Aptasensor: Effect of Carboxylic Acid Functionalized Carbon Nanotube and Glutaraldehyde Linker. In: ELECTROANALYSIS Volume: 28 Issue: 5 Pages: 1134-1145, WOS
13. [1.1] Tello, A (Tello, Alejandra); Cao, R (Cao, Roberto); Marchant, MJ (Jose Marchant, Maria); Gomez, H (Gomez, Humberto): Conformational Changes of Enzymes and Aptamers Immobilized on Electrodes. In: BIOCONJUGATE CHEMISTRY Volume: 27 Issue: 11 Pages: 2581-2591, WOS
14. [1.1] Topkaya, SN (Topkaya, Seda Nur); Azimzadeh, M (Azimzadeh, Mostafa); Ozsoz, M (Ozsoz, Mehmet): Electrochemical Biosensors for Cancer Biomarkers Detection: Recent Advances and Challenges. In: ELECTROANALYSIS Volume: 28 Issue: 7 Pages: 1402-1419, WOS
15. [1.1] Zhang, LL (Zhang, Lingling); Li, ZG (Li, Zhiguo); Xu, XY (Xu, Xuyao); Yang, GZ (Yang, Guizhen); Zhou, XP (Zhou, Xiaoping); Wang, HW (Wang, Hongwu): Effect of mixed thiols on the adsorption, capacitive and hybridization performance of DNA self-assembled monolayers on gold. In: JOURNAL OF SOLID STATE ELECTROCHEMISTRY Volume: 20 Issue: 8 Pages: 2153-2160, WOS

ADCA288 JOLLY, Pawan - DAMBORSKÝ, Pavel - MADABOOSI, Narayanan - SOARES, Ruben - CHU, Virginia - CUNDI, Joao P. - KATRLÍK, Jaroslav - ESTRELA, Pedro. DNA aptamer-based sandwich microfluidic assays for dual quantification and multi-glycan profiling of cancer biomarkers. In Biosensors and Bioelectronic, 2016, vol. 79, p. 313-319. (7.476 - IF2015). (2016 - Current Contents). ISSN 0956-5663.

Citácie:

1. [1.1] Hao, LL (Hao, Liling); Gu, HJ (Gu, Huajie); Duan, N (Duan, Nuo); Wu, SJ (Wu, Shijia); Wang, ZP (Wang, Zhouping): A chemiluminescent aptasensor for simultaneous detection of three antibiotics in milk. In: ANALYTICAL METHODS Volume: 8 Issue: 44 Pages: 7929-7936, WOS
2. [1.1] Hung, LY (Hung, Lien-Yu); Wang, CH (Wang, Chih-Hung); Fu, CY (Fu, Chien-Yu); Gopinathan, P (Gopinathan, Priya); Lee, GB (Lee, Gwo-Bin): Microfluidics in the selection of affinity reagents for the detection of cancer: paving a way towards future diagnostics. In: LAB ON A CHIP Volume: 16 Issue: 15 Pages: 2759-2774, WOS

ADCA289 JUHÁSZ, László - VARGA, Gergely - SZTANKOVICS, Andrea - BÉKE, Ferenc - DOCSA, Tibor - KISS-SZIKSZAI, Attila - GERGELY, Pál - KÓŇA, Juraj - TVAROŠKA, Igor. Structure-activity relationships of glycogen phosphorylase inhibitor FR258900 and its analogues: A combined synthetic, enzyme kinetics, and computational study. In ChemPlusChem, 2014, vol. 79, p. 1558-1568. (3.360 - IF2013). (2014 - Current Contents). ISSN 1439-7641.

Citácie:

1. [1.2] Hayes, J. M. (2016). Computer-aided discovery of glycogen phosphorylase inhibitors exploiting natural products. In Discovery and development of antidiabetic agents from natural products: Natural product drug discovery (Elsevier, chapter 2, pp. 29-62), SCOPUS

ADCA290 KAČURÁKOVÁ, Marta - BELTON, P.S. - WILSON, R.H. - HIRSCH, Ján - EBRINGEROVÁ, Anna. Hydration properties of xylan-type structures: an FTIR study of xylooligosaccharides. In Journal of the Science of Food and Agriculture, 1998, vol. 77, no. 1, p. 38-44.

Citácie:

1. [1.1] Amer, H (Amer, Hassan); Nypelo, T (Nypelo, Tiina); Sulaeva, I (Sulaeva, Irina); Bacher, M (Bacher, Markus); Henniges, U (Henniges, Ute); Potthast, A (Potthast, Antje); Rosenau, T (Rosenau, Thomas): Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). In: BIOMACROMOLECULES Volume: 17 Issue: 9 Pages: 2972-

2980, WOS
2. [1.1] Boix, E (Boix, Estefania); Georgi, F (Georgi, Frederic); Navard, P (Navard, Patrick): Influence of alkali and Si-based treatments on the physical and chemical characteristics of miscanthus stem fragments. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 91 Pages: 6-14, WOS
3. [1.1] Chen, ZW (Chen, Zhiwen); Hu, TQ (Hu, Thomas Q.); Jang, HF (Jang, Ho Fan); Grant, E (Grant, Edward): Multivariate Analysis of Hemicelluloses in Bleached Kraft Pulp Using Infrared Spectroscopy. In: APPLIED SPECTROSCOPY Volume: 70 Issue: 12 Pages: 1981-1993, WOS
4. [1.1] Das, AM (Das, Archana M.); Hazarika, MP (Hazarika, Manash P.); Goswami, M (Goswami, Monmi); Yadav, A (Yadav, Archana); Khound, P (Khound, Pradip): Extraction of cellulose from agricultural waste using Montmorillonite K-10/LiOH and its conversion to renewable energy: Biofuel by using Myrothecium gramineum. In: CARBOHYDRATE POLYMERS Volume: 141 Pages: 20-27, WOS
5. [1.1] Das, SP (Das, Saprativ P.); Gupta, A (Gupta, Ashutosh); Das, D (Das, Debasish); Goyal, A (Goyal, Arun): Enhanced bioethanol production from water hyacinth (Eichhornia crassipes) by statistical optimization of fermentation process parameters using Taguchi orthogonal array design. In: INTERNATIONAL BIODETERIORATION & BIODEGRADATION Volume: 109 Pages: 174-184, WOS
6. [1.1] Liu, HM (Liu, Hua-Min); Wang, FY (Wang, Fei-Yun); Liu, YL (Liu, Yu-Lan): Hot-compressed water extraction of polysaccharides from soy hulls. In: FOOD CHEMISTRY Volume: 202 Pages: 104-109, WOS
7. [1.1] Munir, H (Munir, Hira); Shahid, M (Shahid, Muhammad); Anjum, F (Anjum, Fozia); Mudgil, D (Mudgil, Deepak): Structural, thermal and rheological characterization of modified Dalbergia sissoo gum-A medicinal gum. In: Structural, thermal and rheological characterization of modified Dalbergia sissoo gum-A medicinal gum. In: Troshchynska, Y (Troshchynska, Yana); Synytsya, A (Synytsya, Andriy); Kyselka, J (Kyselka, Jan); Stetina, J (Stetina, Jiri): FLAXSEED MEAL MUCILAGE POLYSACCHARIDES: CHEMICAL CHARACTERIZATION AND PURIFICATION. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 273-277, WOS
8. [1.1] Nopparut, A (Nopparut, Ajjima); Amornsakchai, T (Amornsakchai, Taweechai): Influence of pineapple leaf fiber and it's surface treatment on molecular orientation in, and mechanical properties of, injection molded nylon composites. In: POLYMER TESTING Volume: 52 Pages: 141-149, WOS
9. [1.1] Prajapat, AL (Prajapat, Amrutlal L.); Gogate, PR (Gogate, Parag R.): Intensification of depolymerization of polyacrylic acid solution using different approaches based on ultrasound and solar irradiation with intensification studies. In: ULTRASONICS SONOCHEMISTRY Volume: 32 Pages: 290-299, WOS
10. [1.1] Qi, XM (Qi, Xian-Ming); Chen, GG (Chen, Ge-Gu); Gong, XD (Gong, Xiao-Dong); Fu, GQ (Fu, Gen-Que); Niu, YS (Niu, Ya-Shuai); Bian, J (Bian, Jing); Peng, F (Peng, Feng); Sun, RC (Sun, Run-Cang): Enhanced mechanical performance of biocompatible hemicelluloses-based hydrogel via chain extension. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 33603, WOS
11. [1.1] Temenouga, V (Temenouga, V.); Charitidis, T (Charitidis, T.); Avgidou, M (Avgidou, M.); Karayannakidis, PD (Karayannakidis, P. D.); Dimopoulou, M (Dimopoulou, M.); Kalogianni, EP (Kalogianni, E. P.); Panayiotou, C (Panayiotou, C.); Ritzoulis, C (Ritzoulis, C.): Novel emulsifiers as products from internal Maillard reactions in okra hydrocolloid mucilage. In: FOOD HYDROCOLLOIDS Volume: 52 Pages: 972-981, WOS
12. [1.1] Wang, SR (Wang, Shurong); Lin, HZ (Lin, Haizhou); Zhang, L (Zhang, Li); Dai, GX (Dai, Gongxin); Zhao, Y (Zhao, Yuan); Wang, XL (Wang, Xiaoliu); Ru, B (Ru, Bin): Structural Characterization and Pyrolysis Behavior of Cellulose and Hemicellulose Isolated from Softwood Pinus armandii Franch. In: ENERGY & FUELS Volume: 30 Issue: 7 Pages: 5721-5728, WOS
13. [1.2] Gao, Z., Song, S., Sun, W., Hu, Y., & Zhong, H. (2016). Depressant behavior and mechanism of guar and xanthan gums on calcite flotation. Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology), 47(5), 1459-1464., SCOPUS
14. [1.2] Zhu, N., Shi, H., Cao, N., Xiong, X., Niu, M., & Ping, Q. (2016). Isolation of hemicelluloses from acacia wood with hydrothermal prehydrolysis and its characterization of structure and component. Huagong Xuebao/CIESC Journal, 67(6), 2605-2611, SCOPUS
15. [1.2] Zulyadi, N. H., Saleh, S. H., & Sarijo, S. H. (2016). Fractionation of hemicellulose from rice straw by alkaline extraction and ethanol precipitation. [Pemisahan hemiselulosa daripada hampas batang padi melalui pengekstrakan beralkali dan pemendakan etanol] Malaysian Journal of Analytical Sciences, 20(2), 329-334, SCOPUS

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EBRINGEROVÁ, Anna. FT-IR study of plant cell wall model compounds: pectic polysaccharides and hemicelluloses. In Carbohydrate Polymers, 2000, vol. 43, p. 195-203. (0.987 - IF1999). (2000 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Acemi, A (Acemi, Arda); Turker-Kaya, S (Turker-Kaya, Sevgi); Ozen, F (Ozen, Fazil): FT-IR Spectroscopy Based Evaluation of Changes in Primary Metabolites of Amsonia orientalis after In vitro 6-benzylaminopurine Treatment. In: NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA Volume: 44 Issue: 1 Pages: 209-214, WOS

2. [1.1] Amer, H (Amer, Hassan); Nypelo, T (Nypelo, Tiina); Sulaeva, I (Sulaeva, Irina); Bacher, M (Bacher, Markus); Henniges, U (Henniges, Ute); Potthast, A (Potthast, Antje); Rosenau, T (Rosenau, Thomas): Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). In: BIOMACROMOLECULES Volume: 17 Issue: 9 Pages: 2972-2980, WOS

3. [1.1] Angelini, S (Angelini, Stefania); Cerruti, P (Cerruti, Pierfrancesco); Scarinzi, G (Scarinzi, Gennaro); Malinconico, M (Malinconico, Mario): EXTRACTION AND FRACTIONATION OF A LIGNOCELLULOSIC BIOMASS AND ITS USE AS A BIO-FILLER IN POLY(3-HYDROXYBUTYRATE)In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 3-4 Pages: 429-437, WOS

4. [1.1] Barana, D (Barana, Davide); Salanti, A (Salanti, Anika); Orlandi, M (Orlandi, Marco); Ali, DS (Ali, Danish S.); Zoia, L (Zoia, Luca): Biorefinery process for the simultaneous recovery of lignin, hemicelluloses, cellulose nanocrystals and silica from rice husk and Arundo donax. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 86 Pages: 31-39, WOS

5. [1.1] Bilgic, E (Bilgic, E.); Yaman, S (Yaman, S.); Haykiri-Acma, H (Haykiri-Acma, H.); Kucukbayrak, S (Kucukbayrak, S.): Limits of variations on the structure and the fuel characteristics of sunflower seed shell through torrefaction. In: FUEL PROCESSING TECHNOLOGY Volume: 144 Pages: 197-202, WOS

6. [1.1] Borchani, C (Borchani, Chema); Fonteyn, F (Fonteyn, Fabienne); Jamin, G (Jamin, Guilhem); Paquot, M (Paquot, Michel); Thonart, P (Thonart, Philippe); Blecker, C (Blecker, Christophe):, WOS

7. [1.1] Borsa, J (Borsa, Judit); Laszlo, K (Laszlo, Krisztina); Boguslavsky, L (Boguslavsky, Lydia); Takacs, E (Takacs, Erzsebet); Racz, I (Racz, Ilona); Toth, T (Toth, Tunde); Szabo, D (Szabo, David): Effect of mild alkali/ultrasound treatment on flax and hemp fibres: the different responses of the two substrates. In: CELLULOSE Volume: 23 Issue: 3 Pages: 2117-2128, WOS

8. [1.1] Bravo, S (Bravo, Soraya); Parra, MJ (Jose Parra, Maria); Castillo, R (Castillo, Rosario); Sepulveda, F (Sepulveda, Francisco); Turner, A (Turner, Aileen); Bertin, A (Bertin, Ariana); Osorio, G (Osorio, German); Tereszczuk, J (Tereszczuk, Joanna); Bruna, C (Bruna, Carola); Hasbun, R (Hasbun, Rodrigo): Reversible in vivo cellular changes occur during desiccation and recovery: Desiccation tolerance of the resurrection filmy fern Hymenophyllum dentatum Cav. In: GAYANA BOTANICA Volume: 73 Issue: 2 Pages: 402-413, WOS

9. [1.1] Cacicedo, ML (Cacicedo, Maximiliano L.); Leon, IE (Leon, Ignacio E.); Gonzalez, JS (Gonzalez, Jimena S.); Porto, LM (Porto, Luismar M.); Alvarez, VA (Alvarez, Vera A.); Castro, GR (Castro, Guillermo R.): Modified bacterial cellulose scaffolds for localized doxorubicin release in human colorectal HT-29 cells. In: COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 140 Pages: 421-429, WOS

10. [1.1] Carballo-Meilan, A (Carballo-Meilan, Ara); Goodman, AM (Goodman, Adrian M.); Baron, MG (Baron, Mark G.); Gonzalez-Rodriguez, J (Gonzalez-Rodriguez, Jose): Application of chemometric analysis to infrared spectroscopy for the identification of wood origin. In: CELLULOSE Volume: 23 Issue: 1 Pages: 901-913, WOS

11. [1.1] Chai, YY (Chai, Yangyang); Zhao, M (Zhao, Min): Purification, characterization and anti-proliferation activities of polysaccharides extracted from Viscum coloratum (Kom.) Nakai. In: CARBOHYDRATE POLYMERS Volume: 149 Pages: 121-130, WOS

12. [1.1] Chen, ZW (Chen, Zhiwen); Hu, TQ (Hu, Thomas Q.); Jang, HF (Jang, Ho Fan); Grant, E (Grant, Edward): Multivariate Analysis of Hemicelluloses in Bleached Kraft Pulp Using Infrared Spectroscopy. In: APPLIED SPECTROSCOPY Volume: 70 Issue: 12 Pages: 1981-1993, WOS

13. [1.1] Chylinska, M (Chylinska, Monika); Szymanska-Chargot, M (Szymanska-Chargot, Monika); Kruk, B (Kruk, Beata); Zdunek, A (Zdunek, Artur): Study on dietary fibre by Fourier transform-infrared spectroscopy and chemometric methods. In: FOOD CHEMISTRY Volume: 196 Pages: 114-122, WOS

14. [1.1] Chylinska, M (Chylinska, Monika); Szymanska-Chargot, M (Szymanska-Chargot, Monika); Zdunek, A (Zdunek, Artur): FT-IR and FT-Raman characterization of non-cellulosic polysaccharides fractions isolated from plant cell wall. In: CARBOHYDRATE POLYMERS Volume: 154 Pages: 48-54, WOS

15. [1.1] Cizova, A (Cizova, Alzbeta); Nescakova, Z (Nescakova, Zuzana); Malovikova, A (Malovikova, Anna); Bystricky, S (Bystricky, Slavomir): Preparation and characterization of cationic and amphoteric mannans from Candida albicans. In: CARBOHYDRATE POLYMERS Volume: 149 Pages: 1-7, WOS
16. [1.1] Das, A (Das, Arijit); Das, C (Das, Chandan); Golder, AK (Golder, Animes K.): Evaluation of Physico-Chemical Properties of Dried Aloe Gel: Comparison among Hot Air, Microwave-Assisted and Hybrid Drying Processes. In: NATURAL PRODUCTS JOURNAL Volume: 6 Issue: 3 Pages: 219-226, WOS
17. [1.1] Divyashree, A (Divyashree, A.); Manaf, SABA (Manaf, Shoriya Aruni Bt Abdul); Yallappa, S (Yallappa, S.); Chaitra, K (Chaitra, K.); Kathyayini, N (Kathyayini, N.); Hegde, G (Hegde, Gurumurthy): Low cost, high performance supercapacitor electrode using coconut wastes: eco-friendly approach. In: JOURNAL OF ENERGY CHEMISTRY Volume: 25 Issue: 5 Pages: 880-887, WOS
18. [1.1] Djikanovic, D (Djikanovic, D.); Devecerski, A (Devecerski, A.); Steinbach, G (Steinbach, G.); Simonovic, J (Simonovic, J.); Matovic, B (Matovic, B.); Garab, G (Garab, G.); Kalauzi, A (Kalauzi, A.); Radotic, K (Radotic, K.): Comparison of macromolecular interactions in the cell walls of hardwood, softwood and maize by fluorescence and FTIR spectroscopy, differential polarization laser scanning microscopy and X-ray diffraction. In: WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 3 Pages: 547-566, WOS
19. [1.1] Durmaz, S (Durmaz, Sefa); Ozgenc, O (Ozgenc, Ozlem); Boyaci, IH (Boyaci, Ismail H.); Yildiz, UC (Yildiz, Umit C.); Erisir, E (Erisir, Emir): Examination of the chemical changes in spruce wood degraded by brown-rot fungi using FT-IR and FT-Raman spectroscopy. In: VIBRATIONAL SPECTROSCOPY Volume: 85 Pages: 202-207, WOS
20. [1.1] Espinal-Ruiz, M (Espinal-Ruiz, Mauricio); Restrepo-Sanchez, LP (Restrepo-Sanchez, Luz-Patricia); Narvaez-Cuenca, CE (Narvaez-Cuenca, Carlos-Eduardo); McClements, DJ (McClements, David Julian): Impact of pectin properties on lipid digestion under simulated gastrointestinal conditions: Comparison of citrus and banana passion fruit (Passiflora tripartita var. mollissima) pectins. In: FOOD HYDROCOLLOIDS Volume: 52 Pages: 329-342, WOS
21. [1.1] Fasoli, M (Fasoli, Marianna); Dell'Anna, R (Dell'Anna, Rossana); Dal Santo, S (Dal Santo, Silvia); Balestrini, R (Balestrini, Raffaella); Sanson, A (Sanson, Andrea); Pezzotti, M (Pezzotti, Mario); Monti, F (Monti, Francesca); Zenoni, S (Zenoni, Sara): Pectins, Hemicelluloses and Celluloses Show Specific Dynamics in the Internal and External Surfaces of Grape Berry Skin During Ripening. In: PLANT AND CELL PHYSIOLOGY Volume: 57 Issue: 6 Pages: 1332-1349, WOS
22. [1.1] Fathi, M (Fathi, Morteza); Mohebbi, M (Mohebbi, Mohebbat); Koocheki, A (Koocheki, Arash): Introducing Prunus cerasus gum exudates: Chemical structure, molecular weight, and rheological properties. In: FOOD HYDROCOLLOIDS Volume: 61 Pages: 946-955, WOS
23. [1.1] Fathi, M (Fathi, Morteza); Mohebbi, M (Mohebbi, Mohebbat); Koocheki, A (Koocheki, Arash): Some physico-chemical properties of Prunus armeniaca L. gum exudates. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 744-750, WOS
24. [1.1] Fernandez, JG (Fernandez, Jorge G.); Fernandez-Baldo, MA (Fernandez-Baldo, Martin A.); Berni, E (Berni, Elias); Cami, G (Cami, Gerardo); Duran, N (Duran, Nelson); Raba, J (Raba, Julio); Sanz, MI (Sanz, Maria I.): Production of silver nano-particles using yeasts and evaluation of their antifungal activity against phytopathogenic fungi. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 9 Pages: 1306-1313, WOS
25. [1.1] Flores-Alamo, N (Flores-Alamo, N.); Gomez-Espinosa, RM (Gomez-Espinosa, R. M.); Solache-Rios, M (Solache-Rios, M.); Garcia-Rivas, JL (Garcia-Rivas, J. L.); Zavala-Arce, RE (Zavala-Arce, R. E.); Garcia-Gaitan, B (Garcia-Gaitan, B.): Adsorption behaviour of copper onto a novel modified chitosan material: thermodynamic study. In: DESALINATION AND WATER TREATMENT Volume: 57 Issue: 52 Pages: 25080-25088, WOS
26. [1.1] Gorrochategui, E (Gorrochategui, Eva); Lacorte, S (Lacorte, Silvia); Tauler, R (Tauler, Roma); Martin, FL (Martin, Francis L.): Perfluoroalkylated Substance Effects in Xenopus laevis A6 Kidney Epithelial Cells Determined by ATR-FTIR Spectroscopy and Chemometric Analysis. In: CHEMICAL RESEARCH IN TOXICOLOGY Volume: 29 Issue: 5 Pages: 924-932, WOS
27. [1.1] Han, YL (Han, Yu-Lu); Gao, J (Gao, Jie); Yin, YY (Yin, Yan-Yan); Jin, ZY (Jin, Zheng-Yu); Xu, XM (Xu, Xue-Ming); Chen, HQ (Chen, Han-Qing): Extraction optimization by response surface methodology of mucilage polysaccharide from the peel of Opuntia dillenii haw. fruits and their physicochemical properties. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 381-391, WOS
28. [1.1] Hao, C (Hao, Chen); Li, J (Li, Jun); He, Q (He, Qiang); Zhou, ZL (Zhou, Zilong); Guo, XW (Guo, Xiaowei); Wang, XH (Wang, Xiaohong); Gao, SJ (Gao, Sijia); Zhang, YK (Zhang, Yike): Ultrasonic Synthesis and Properties of Sodium Lignosulfonate-grafted Poly(Acrylic Acid-

co-Vinyl Alcohol) Composite Superabsorbent Polymer. In: AUSTRALIAN JOURNAL OF CHEMISTRY Volume: 69 Issue: 10 Pages: 1155-1161, WOS
29. [1.1] Harsha, MR (Harsha, Mysore R.); Prakash, SVC (Prakash, Serkad V. Chandra); Dharmesh, SM (Dharmesh, Shylaja M.): Modified pectic polysaccharide from turmeric (Curcuma longa): A potent dietary component against gastric ulcer. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 143-155, WOS
30. [1.1] Hromadkova, Z (Hromadkova, Zdenka); Kostalova, Z (Kostalova, Zuzana); Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): CHARACTERIZATION OF PECTIC POLYSACCHARIDES EXTRACTED FROM HAZELNUT SKIN BY HOT WATER. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 148-152, WOS
31. [1.1] Hu, RB (Hu, Ruibo); Li, JL (Li, Junling); Wang, XY (Wang, Xiaoyu); Zhao, X (Zhao, Xun); Yang, XW (Yang, Xuanwen); Tang, Q (Tang, Qi); He, G (He, Guo); Zhou, GK (Zhou, Gongke); Kong, YZ (Kong, Yingzhen): Xylan synthesized by Irregular Xylem 14 (IRX14) maintains the structure of seed coat mucilage in Arabidopsis. In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 5 Pages: 1243-1257, WOS
32. [1.1] Huang, HD (Huang, Haidong); Wu, MM (Wu, Mengmeng); Yang, HP (Yang, Hongpeng); Li, XY (Li, Xiaoyan); Ren, MN (Ren, Mengnan); Li, GQ (Li, Guoqiang); Ma, T (Ma, Ting): Structural and physical properties of sanxan polysaccharide from Sphingomonas sanxanigenens. In: CARBOHYDRATE POLYMERS Volume: 144 Pages: 410-418, WOS
33. [1.1] JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 3 Pages: 619-631 Godinho, JF (Godinho, Joanna F.); Berti, FV (Berti, Fernanda V.); Muller, D (Mueller, Daliana); Rambo, CR (Rambo, Carlos R.); Porto, LM (Porto, Luismar M.): Incorporation of Aloe vera extracts into nanocellulose during biosynthesis: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 3 Pages: 619-631, WOS
34. [1.1] Khorasani, AC (Khorasani, Alireza Chackoshian); Shojaosadati, SA (Shojaosadati, Seyed Abbas): Bacterial nanocellulose-pectin bionanocomposites as prebiotics against drying and gastrointestinal condition. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 83 Pages: 9-18, WOS
35. [1.1] Kiran, P (Kiran, Patruni); Rao, PS (Rao, P. Srinivasa): Development and characterization of reconstituted hydrogel from Aloe vera (Aloe barbadensis Miller) powder. In: JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION Volume: 10 Issue: 3 Pages: 411-424, WOS
36. [1.1] Lahlali, R (Lahlali, Rachid); Kumar, S (Kumar, Saroj); Wang, LP (Wang, Lipu); Forseille, L (Forseille, Li); Sylvain, N (Sylvain, Nicole); Korbas, M (Korbas, Malgorzata); Muir, D (Muir, David); Swerhone, G (Swerhone, George); Lawrence, JR (Lawrence, John R.); Fobert, PR (Fobert, Pierre R.); Peng, G (Peng, Gary); Karunakaran, C (Karunakaran, Chithra): Cell Wall Biomolecular Composition Plays a Potential Role in the Host Type II Resistance to Fusarium Head Blight in Wheat. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 910, WOS
37. [1.1] Li, M (Li, M.); Lopez, R (Lopez, R.); Venturas, M (Venturas, M.); Martin, JA (Martin, J. A.); Dominguez, J (Dominguez, J.); Gordaliza, GG (Gordaliza, G. G.); Gil, L (Gil, L.); Rodriguez-Calcerrada, J (Rodriguez-Calcerrada, J.): Physiological and biochemical differences among Ulmus minor genotypes showing a gradient of resistance to Dutch elm disease. In: FOREST PATHOLOGY Volume: 46 Issue: 3 Pages: 215-228, WOS
38. [1.1] Li, NB (Li, Ningbo); Qi, GY (Qi, Guangyan); Sun, XS (Sun, Xiuzhi Susan); Wang, DH (Wang, Donghai): Characterization of gum isolated from Camelina seed. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 83 Pages: 268-274, WOS
39. [1.1] Li, QZ (Li, Qiao-Zhen); Wu, D (Wu, Di); Zhou, S (Zhou, Shuai); Liu, YF (Liu, Yan-Fang); Li, ZP (Li, Zheng-peng); Feng, J (Feng, Jie); Yang, Y (Yang, Yan): Structure elucidation of a bioactive polysaccharide from fruiting bodies of Hericium erinaceus in different maturation stages. In: CARBOHYDRATE POLYMERS Volume: 144 Pages: 196-204, WOS
40. [1.1] Liu, HZ (Liu, Hongzhi); Jiang, N (Jiang, Nan); Liu, L (Liu, Li); Sheng, XJ (Sheng, Xiaojing); Shi, AM (Shi, Aimin); Hu, H (Hu, Hui); Yang: Extraction, Purification and Primary Characterization of Polysaccharides from Defatted Peanut (Arachis hypogaea) Cakes. In: MOLECULES Volume: 21 Issue: 6 Article Number: 716, WOS
41. [1.1] Liu, JH (Liu, Jinghua); Huang, Q (Huang, Qing): Screening of Astaxanthin-Hyperproducing Haematococcus pluvialis Using Fourier Transform Infrared (FT-IR) and Raman Microspectroscopy. In: APPLIED SPECTROSCOPY Volume: 70 Issue: 10 Pages: 1639-1648, WOS
42. [1.1] Liu, M (Liu, Min); Jing, HJ (Jing, Huijuan); Zhang, JJ (Zhang, Jianjun); Che, G (Che, Gen); Zhou, M (Zhou, Meng); Gao, Z (Gao, Zheng); Li, SS (Li, Shangshang); Ren, ZZ (Ren,

Zhenzhen); Hao, L (Hao, Long); Liu, Y (Liu, Yu); Jia, L (Jia, Le): Optimization of Mycelia Selenium Polysaccharide Extraction from Agrocybe cylindracea SL-02 and Assessment of their Antioxidant and Anti-Ageing Activities. In: PLOS ONE Volume: 11 Issue: 8 Article Number: e0160799, WOS

43. [1.1] Liu, Y (Liu, Ying); Zhang, B (Zhang, Bin); Ibrahim, SA (Ibrahim, S. A.); Gao, SS (Gao, Shuang-Shuang); Yang, H (Yang, Hong); Huang, W (Huang, Wen): Purification, characterization and antioxidant activity of polysaccharides from Flammulina velutipes residue. In: CARBOHYDRATE POLYMERS Volume: 145 Pages: 71-77, WOS

44. [1.1] Liu, YM (Liu, Yongmei); Gu, QY (Gu, Qiuya); Ofosu, FK (Ofosu, Fred Kwame); Yu, XB (Yu, Xiaobin): Production, structural characterization and gel forming property of a new exopolysaccharide produced by Agrobacterium HX1126 using glycerol or D-mannitol as substrate. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 917-922, WOS

45. [1.1] Mackie, DM (Mackie, David M.); Jahnke, JP (Jahnke, Justin P.); Benyamin, MS (Benyamin, Marcus S.); Sumner, JJ (Sumner, James J.): Simple, fast, and accurate methodology for quantitative analysis using Fourier transform infrared spectroscopy, with bio-hybrid fuel cell examples. In: METHODSX Volume: 3 Pages: 128-138, WOS

46. [1.1] Mayorga, OL (Mayorga, Olga L.); Kingston-Smith, AH (Kingston-Smith, Alison H.); Kim, EJ (Kim, Eun J.); Allison, GG (Allison, Gordon G.); Wilkinson, TJ (Wilkinson, Toby J.); Hegarty, MJ (Hegarty, Matthew J.); Theodorou, MK (Theodorou, Michael K.); Newbold, CJ (Newbold, Charles J.); Huws, SA (Huws, Sharon A.): Temporal Metagenomic and Metabolomic Characterization of Fresh Perennial Ryegrass Degradation by Rumen Bacteria. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1854, WOS

47. [1.1] Nagel, A (Nagel, Andreas); Conrad, J (Conrad, Juergen); Leitenberger, M (Leitenberger, Martin); Carle, R (Carle, Reinhold); Neidhart, S (Neidhart, Sybille): Structural studies of the arabinogalactans in Mangifera indica L. fruit exudate. In: FOOD HYDROCOLLOIDS Volume: 61 Pages: 555-566, WOS

48. [1.1] Nep, EI (Nep, E. I.); Sims, IM (Sims, I. M.); Morris, GA (Morris, G. A.); Kontogiorgos, V (Kontogiorgos, V.); Smith, AM (Smith, A. M.): Evaluation of some important physicochemical properties of starch free grewia gum. In: FOOD HYDROCOLLOIDS Volume: 53 Pages: 134-140, WOS

49. [1.1] Oinonen, P (Oinonen, Petri); Krawczyk, H (Krawczyk, Holger); Ek, M (Ek, Monica); Henriksson, G (Henriksson, Gunnar); Moriana, R (Moriana, Rosana): Bioinspired composites from cross-linked galactoglucomannan and microfibrillated cellulose: Thermal, mechanical and oxygen barrier properties. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 146-153, WOS

50. [1.1] Onditi, M (Onditi, Mariah); Adelodun, AA (Adelodun, Adedeji A.); Changamu, EO (Changamu, Evans O.); Ngila, JC (Ngila, Jane C.): Removal of Pb2+ and Cd2+ from drinking water using polysaccharide extract isolated from cactus pads (Opuntia ficus indica). In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 38 Article Number: 43913, WOS

51. [1.1] Paniagua, C (Paniagua, Candelas); Blanco-Portales, R (Blanco-Portales, Rosario); Barcelo-Munoz, M (Barcelo-Munoz, Marta); Garcia-Gago, JA (Garcia-Gago, Juan A.); Waldron, KW (Waldron, Keith W.); Quesada, MA (Quesada, Miguel A.); Munoz-Blanco, J (Munoz-Blanco, Juan); Mercado, JA (Mercado, Jose A.): Antisense down-regulation of the strawberry beta-galactosidase gene Fa beta Gal4 increases cell wall galactose levels and reduces fruit softening. In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 3 Pages: 619-631, WOS

52. [1.1] Parshina, LN (Parshina, Lidiya N.); Grishchenko, LA (Grishchenko, Lyudmila A.); Larina, LI (Larina, Lyudmila I.); Novikova, LN (Novikova, Lyubov N.); Trofimov, BA (Trofimov, Boris A.): Cross-coupling of propargylated arabinogalactan with 2-bromothiophene. In: CARBOHYDRATE POLYMERS Volume: 150 Pages: 82-88, WOS

53. [1.1] Pavlou, A (Pavlou, Alexandros); Ritzoulis, C (Ritzoulis, Christos); Filotheou, A (Filotheou, Andreas); Panayiotou, C (Panayiotou, Costas): Emulsifiers Extracted from Winery Waste. In. WASTE AND BIOMASS VALORIZATION Volume: 7 Issue: 3 Pages: 533-542, WOS

54. [1.1] Physical, functional and structural characterization of the cell wall fractions from baker's yeast Saccharomyces cerevisiae. In: FOOD CHEMISTRY Volume: 194 Pages: 1149-1155, WOS

55. [1.1] Pop, CR (Pop, Carmen R.); Salanta, L (Salanta, Liana); Rotar, AM (Rotar, Ancuta M.); Semeniuc, CA (Semeniuc, Cristina A.); Socaciu, C (Socaciu, Carmen); Sindic, M (Sindic, Marianne): Influence of extraction conditions on characteristics of microbial polysaccharide kefiran isolated from kefir grains biomass. In: JOURNAL OF FOOD AND NUTRITION RESEARCH Volume: 55 Issue: 2 Pages: 121-130, WOS

56. [1.1] Pozo, C (Pozo, Claudio); Diaz-Visurraga, J (Diaz-Visurraga, Judith); Contreras, D (Contreras, David); Freer, J (Freer, Juanita); Rodriguez, J (Rodriguez, Jaime):

CHARACTERIZATION OF TEMPORAL BIODEGRADATION OF RADIATA PINE BY GLOEOPHYLLUM TRABEUM THROUGH PRINCIPAL COMPONENT ANALYSIS-BASED TWO-DIMENSIONAL CORRELATION FTIR SPECTROSCOPY. In: JOURNAL OF THE CHILEAN CHEMICAL SOCIETY Volume: 61 Issue: 2 Pages: 2878-2883, WOS

57. [1.1] Pu, XY (Pu, Xiuying); Ma, XL (Ma, Xiaolong); Liu, L (Liu, Lu); Ren, J (Ren, Jing); Li, HB (Li, Haibing); Li, XY (Li, Xiaoyue); Yu, S (Yu, Shuang); Zhang, WJ (Zhang, Weijie); Fan, WB (Fan, Wenbo): Structural characterization and antioxidant activity in vitro of polysaccharides from angelica and astragalus. In: CARBOHYDRATE POLYMERS Volume: 137 Pages: 154-164, WOS

58. [1.1] Qi, GY (Qi, Guangyan); Li, NB (Li, Ningbo); Sun, XS (Sun, Xiuzhi Susan); Shi, YC (Shi, Yong-chen); Wang, DH (Wang, Donghai): Effects of glycerol and nanoclay on physiochemical properties of camelina gum-based films. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 747-754, WOS

59. [1.1] Qiu, JQ (Qiu, Junqiang); Zhang, H (Zhang, Hua); Wang, ZY (Wang, Zhenyu); Liu, SM (Liu, Shumin); Regenstein, JM (Regenstein, Joe M.): Response surface methodology for the synthesis of an Auricularia auriculajudae polysaccharides-CDDP complex. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 333-343, WOS

60. [1.1] Qu, Y (Qu, Yan); Li, CX (Li, Chunxue); Zhang, C (Zhang, Chen); Zeng, R (Zeng, Rui); Fu, CM (Fu, Chaomei): Optimization of infrared-assisted extraction of Bletilla striata polysaccharides based on response surface methodology and their antioxidant activities. In: CARBOHYDRATE POLYMERS Volume: 148 Pages: 345-353, WOS

61. [1.1] Quijada, M (Quijada, Melesio); Riboulleau, A (Riboulleau, Armelle); Faure, P (Faure, Pierre); Michels, R (Michels, Raymond); Tribovillard, N (Tribovillard, Nicolas): Organic matter sulfurization on protracted diagenetic timescales: The possible role of anaerobic oxidation of methane. In: MARINE GEOLOGY Volume: 381 Pages: 54-66, WOS

62. [1.1] Razavi, SMA (Razavi, Seyed Mohammad Ali); Cui, SW (Cui, Steve W.); Ding, HH (Ding, Huihuang): Structural and physicochemical characteristics of a novel water-soluble gum from Lallemantia royleana seed. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 83 Pages: 142-151, WOS

63. [1.1] Razmkhah, S (Razmkhah, Somayeh); Mohammadifar, MA (Mohammadifar, Mohammad Amin); Razavi, SMA (Razavi, Seyed Mohammad Ali); Ale, MT (Ale, Marcel Tutor): Purification of cress seed (Lepidium sativum) gum: Physicochemical characterization and functional properties. In: CARBOHYDRATE POLYMERS Volume: 141 Pages: 166-174, WOS

64. [1.1] Razmkhah, S (Razmkhah, Somayeh); Razavi, SMA (Razavi, Seyed Mohammad Ali); Mohammadifar, MA (Mohammadifar, Mohammad Amin); Ale, MT (Ale, Marcel Tutor); Gavlighi, HA (Gavlighi, Hassan Ahmadi): : Protein-free cress seed (Lepidium sativum) gum: Physicochemical characterization and rheological properties. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 14-24, WOS

65. [1.1] Razmkhah, S (Razmkhah, Somayeh); Razavi, SMA (Razavi, Seyed Mohammad Ali); Mohammadifar, MA (Mohammadifar, Mohammad Amin); Koocheki, A (Koocheki, Arash); Ale, MT (Ale, Marcel Tutor): Stepwise extraction of Lepidium sativum seed gum: Physicochemical characterization and functional properties. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 88 Pages: 553-564, WOS

66. [1.1] Ren, H (Ren, Huan); Zong, MH (Zong, Min-Hua); Wu, H (Wu, Hong); Li, N (Li, Ning): Utilization of Seawater for the Biorefinery of Lignocellulosic Biomass: Ionic Liquid Pretreatment, Enzymatic Hydrolysis, and Microbial Lipid Production. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5659-5666, WOS

67. [1.1] Rodrigues, DC (Rodrigues, Delane C.); Cunha, AP (Cunha, Arcelina P.); Brito, ES (Brito, Edy S.); Azeredo, HMC (Azeredo, Henriette M. C.); Gallao, MI (Gallao, Maria Izabel): Mesquite seed gum and palm fruit oil emulsion edible films: Influence of oil content and sonication. In: FOOD HYDROCOLLOIDS Volume: 56 Pages: 227-235, WOS

68. [1.1] Rojek, B (Rojek, Barbara); Wesolowski, M (Wesolowski, Marek): Fourier transform infrared spectroscopy supported by multivariate statistics in compatibility study of atenolol with excipients. In: VIBRATIONAL SPECTROSCOPY Volume: 86 Pages: 190-197, WOS

69. [1.1] Semjonovs, P (Semjonovs, P.); Shakirova, L (Shakirova, L.); Treimane, R (Treimane, R.); Shvirksts, K (Shvirksts, K.); Auzina, L (Auzina, L.); Cleenwerck, I (Cleenwerck, I.); Zikmanis, P (Zikmanis, P.): Production of extracellular fructans by Gluconobacter nephelii P1464. In: LETTERS IN APPLIED MICROBIOLOGY Volume: 62 Issue: 2 Pages: 145-152, WOS

70. [1.1] Shah, A (Shah, Asima); Gani, A (Gani, Adil); Ahmad, M (Ahmad, Mudasir); Ashwar, BA (Ashwar, Bilal Ahmad); Masoodi, FA (Masoodi, F. A.): beta-Glucan as an encapsulating agent: Effect on probiotic survival in simulated gastrointestinal tract. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 217-222, WOS

71. [1.1] Sharifi, M (Sharifi, M.); Khoshgoftarmanesh, AH (Khoshgoftarmanesh, A. H.);

Hadadzadeh, H (Hadadzadeh, H.): Changes in the chemical properties and swelling coefficient of alfalfa root cell walls in the presence of toluene as a toxic agent. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 7 Pages: 7022-7031, WOS
72. [1.1] Sharma, S (Sharma, Sweta); Uttam, KN (Uttam, K. N.): Investigation of the manganese stress on wheat plant by attenuated total reflectance Fourier transform infrared spectroscopy. In: SPECTROSCOPY LETTERS Volume: 49 Issue: 8 Pages: 520-528, WOS
73. [1.1] Sousa, S (Sousa, Sonia); Pedrosa, J (Pedrosa, Jorge); Ramos, A (Ramos, Ana); Ferreira, PJ (Ferreira, Paulo J.); Gamelas, JAF (Gamelas, Jose A. F.): Surface properties of xylan and xylan derivatives measured by inverse gas chromatography. In: COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 506 Pages: 600-606, WOS
74. [1.1] Sousa, S (Sousa, Sonia); Ramos, A (Ramos, Ana); Evtuguin, DV (Evtuguin, Dmitry V.); Gamelas, JAF (Gamelas, Jose A. F.): Xylan and xylan derivatives-Their performance in bio-based films and effect of glycerol addition. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 682-689, WOS
75. [1.1] Taheri, H (Taheri, Hesam); Samyn, P (Samyn, Pieter): Effect of homogenization (microfluidization) process parameters in mechanical production of micro- and nanofibrillated cellulose on its rheological and morphological properties.In: CELLULOSE Volume: 23 Issue: 2 Pages: 1221-1238, WOS
76. [1.1] Tan, KB (Tan, Kok Bing); Abdullah, AZ (Abdullah, Ahmad Zuhairi); Horri, BA (Horri, Bahman Amini); Salamatinia, B (Salamatinia, Babak): Adsorption Mechanism of Microcrystalline Cellulose as Green Adsorbent for the Removal of Cationic Methylene Blue Dye: JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN Volume: 38 Issue: 4 Pages: 651-664, WOS
77. [1.1] Troshchynska, Y (Troshchynska, Yana); Synytsya, A (Synytsya, Andriy); Kyselka, J (Kyselka, Jan); Stetina, J (Stetina, Jiri): FLAXSEED MEAL MUCILAGE POLYSACCHARIDES: CHEMICAL CHARACTERIZATION AND PURIFICATION. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 273-277, WOS
78. [1.1] Wang, CY (Wang, Chun-Ying); Chen, YC (Chen, Yean-Chang): EXTRACTION AND CHARACTERIZATION OF FUCOIDAN FROM SIX BROWN MACROALGAE. In: JOURNAL OF MARINE SCIENCE AND TECHNOLOGY-TAIWAN Volume: 24 Issue: 2 Pages: 319-328, WOS
79. [1.1] Wang, SR (Wang, Shurong); Lin, HZ (Lin, Haizhou); Zhang, L (Zhang, Li); Dai, GX (Dai, Gongxin); Zhao, Y (Zhao, Yuan); Wang, XL (Wang, Xiaoliu); Ru, B (Ru, Bin): Structural Characterization and Pyrolysis Behavior of Cellulose and Hemicellulose Isolated from Softwood Pinus armandii Franch. In: ENERGY & FUELS Volume: 30 Issue: 7 Pages: 5721-5728, WOS
80. [1.1] Wang, ZB (Wang, Zhen-Bin); Chen, BB (Chen, Bing-Bing); Luo, L (Luo, Lin); Yan, JK (Yan, Jing-Kun): Fractionation, physicochemical characteristics and biological activities of polysaccharides from Pueraria lobata roots. In: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS Volume: 67 Pages: 54-60, WOS
81. [1.1] Wani, IA (Wani, Idrees Ahmed); Gani, A (Gani, Adil); Tariq, A (Tariq, Aanisa); Sharma, P (Sharma, Paras); Masoodi, FA (Masoodi, Farooq Ahmad); Wani, HM (Wani, Haroon Maqbool): Effect of roasting on physicochemical, functional and antioxidant properties of arrowhead (Sagittaria sagittifolia L.) flour. In: FOOD CHEMISTRY Volume: 197 Pages: 345-352, WOS
82. [1.1] Xie, SZ (Xie, Song-Zi); Liu, B (Liu, Bing); Zhang, DD (Zhang, Dan-Dan); Zha, XQ (Zha, Xue-Qiang); Pan, LH (Pan, Li-Hua); Luo, JP (Luo, Jian-Ping): Intestinal immunomodulating activity and structural characterization of a new polysaccharide from stems of Dendrobium officinale. In: FOOD & FUNCTION Volume: 7 Issue: 6 Pages: 2789-2799, WOS
83. [1.1] Yan, JK (Yan, Jing-Kun); Wang, YY (Wang, Yao-Yao); Ma, HL (Ma, Hai-Le); Wang, ZB (Wang, Zhen-Bin): Ultrasonic effects on the degradation kinetics, preliminary characterization and antioxidant activities of polysaccharides from Phellinus linteus mycelia. In: ULTRASONICS SONOCHEMISTRY Volume: 29 Pages: 251-257, WOS
84. [1.1] Yan, JK (Yan, Jing-Kun); Wang, YY (Wang, Yao-Yao); Ma, HL (Ma, Hai-Le); Wang, ZB (Wang, Zhen-Bin); Pei, JJ (Pei, Juan-Juan): Structural characteristics and antioxidant activity in vivo of a polysaccharide isolated from Phellinus linteus mycelia. In: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS Volume: 65 Pages: 110-117, WOS
85. [1.1] Yan, JK (Yan, Jing-Kun); Wang, YY (Wang, Yao-Yao); Wang, ZB (Wang, Zhen-Bin); Ma, HL (Ma, Hai-Le); Pei, JJ (Pei, Juan-Juan); Wu, JY (Wu, Jian-Yong): Structure and antioxidative property of a polysaccharide from an ammonium oxalate extract of Phellinus linteus.In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 92-99, WOS
86. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS

87. [1.1] Yuan, YF (Yuan, Yunfei); Wang, YB (Wang, Yan-Bo); Jiang, YM (Jiang, Yueming); Prasad, KN (Prasad, K. Nagendra); Yang, JL (Yang, Jiali); Qu, HX (Qu, Hongxia); Wang, Y (Wang, Ying); Jia, YX (Jia, Yongxia); Mo, H (Mo, Hui); Yang, B (Yang, Bao): Structure identification of a polysaccharide purified from Lycium barbarium fruit. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 696-701, WOS
88. [1.1] Zhang, C (Zhang, Chen); Li, SS (Li, Shangshang); Zhang, JJ (Zhang, Jianjun); Hu, CL (Hu, Chunlong); Che, G (Che, Gen); Zhou, M (Zhou, Meng); Jia, L (Jia, Le): Antioxidant and hepatoprotective activities of intracellular polysaccharide from Pleurotus eryngii SI-04. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 568-577, WOS
89. [1.1] Zhang, JJ (Zhang, Jianjun); Liu, M (Liu, Min); Yang, YH (Yang, Yongheng); Lin, L (Lin, Lin); Xu, N (Xu, Nuo); Zhao, HJ (Zhao, Huajie); Jia, L (Jia, Le): Purification, characterization and hepatoprotective activities of mycelia zinc polysaccharides by Pleurotus djamor. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 588-597, WOS
90. [1.1] Zhang, JJ (Zhang, Jianjun); Meng, GY (Meng, Guangyuan); Zhai, GY (Zhai, Guoyin); Yang, YH (Yang, Yongheng); Zhao, HJ (Zhao, Huajie); Jia, L (Jia, Le): Extraction, characterization and antioxidant activity of polysaccharides of spent mushroom compost of Ganoderma lucidum. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 432-439, WOS
91. [1.1] Zhang, W (Zhang, Wei); Johnson, AM (Johnson, Amanda M.); Barone, JR (Barone, Justin R.); Renneckar, S (Renneckar, Scott):Reducing the heterogeneity of xylan through processing . In: CARBOHYDRATE POLYMERS Volume: 150 Pages: 250-258, WOS
92. [1.1] Zhang, WX (Zhang, Wuxia); Li, P (Li, Peng); Song, D (Song, Dan); Niu, H (Niu, Hong); Shi, SS (Shi, Songshan); Wang, SC (Wang, Shunchun); Duan, JY (Duan, Jinyou): Structural characterization and biological activities of two alpha-glucans from Radix Paeoniae Alba. In: GLYCOCONJUGATE JOURNAL Volume: 33 Issue: 2 Pages: 147-157, WOS
93. [1.1] Zhang, XQ (Zhang, Xueqin); Zhang, AP (Zhang, Aiping); Liu, CF (Liu, Chuanfu); Ren, JL (Ren, Junli): Per-O-acylation of xylan at room temperature in dimethylsulfoxide/N-methylimidazole. In: CELLULOSE Volume: 23 Issue: 5 Pages: 2863-2876, WOS
94. [1.1] Zhang, Y (Zhang, Yan); Shi, JL (Shi, Junling); Gao, ZH (Gao, Zhenhong); Che, JX (Che, Jinxin); Shao, DY (Shao, Dongyan); Liu, YL (Liu, Yanlin): Comparison of pinoresinol diglucoside production by Phomopsis sp XP-8 in different media and the characterisation and product profiles of the cultivation in mung bean. In: JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE Volume: 96 Issue: 12 Pages: 4015-4025, WOS
95. [1.1] Zhang, YD (Zhang, Yuedong); Yu, G (Yu, Guang); Li, B (Li, Bin); Mu, XD (Mu, Xindong); Peng, H (Peng, Hui); Wang, HS (Wang, Haisong): Hemicellulose isolation, characterization, and the production of xylo-oligosaccharides from the wastewater of a viscose fiber mill. In: CARBOHYDRATE POLYMERS Volume: 141 Pages: 238-243, WOS
96. [1.1] Zhang, ZL (Zhang, Ziling); Kong, FS (Kong, Fansheng); Ni, H (Ni, Hui); Mo, ZX (Mo, Zhixian); Wan, JB (Wan, Jian-Bo); Hua, DH (Hua, Dehong); Yan, CY (Yan, Chunyan): Structural characterization, alpha-glucosidase inhibitory and DPPH center dot scavenging activities of polysaccharides from guava. In: CARBOHYDRATE POLYMERS Volume: 144 Pages: 106-114, WOS
97. [1.1] Zhang, ZS (Zhang, Zhongshan); Wang, XM (Wang, Xiaomei); Liu, CB (Liu, Chongbin); Li, JF (Li, Jingfen): The degradation, antioxidant and antimutagenic activity of the mucilage polysaccharide from Dioscorea opposita. In: CARBOHYDRATE POLYMERS Volume: 150 Pages: 227-231, WOS
98. [1.1] Zhao, Y (Zhao, Yi); Wang, N (Wang, Na); Pang, SF (Pang, Shu-Feng); Zhang, YH (Zhang, Yun-Hong): In-situ micro-FTIR spectroscopic observation on the hydration process of Poria cocos. In: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 164 Pages: 61-66, WOS
99. [1.1] Zheng, YF (Zheng, Yan-Fei); Zhang, Q (Zhang, Qiang); Liu, XM (Liu, Xiong-Min); Ma, L (Ma, Li); Lai, F (Lai, Fang): Extraction of polysaccharides and its antitumor activity on Magnolia kwangsiensis Figlar & Noot.. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 98-104, WOS
100. [1.1] Zhou, D., & Huang, H. H. (2016). Extraction and structural characterization of celluloses and hemicelluloses from pineapple peels. Modern Food Science and Technology, 32(10), 78-83, WOS
101. [1.2] Barros, A., Bowra, S., & Overton, T. (2016). Subcritical water conversion of cellulose into glucose for bioethanol production in an integrated biorefinery process. Paper presented at the European Biomass Conference and Exhibition Proceedings, 2016(24thEUBCE), pp. 1168-1172, SCOPUS
102. [1.2] Fernández, J. G., Fernández-Baldo, M. A., Berni, E., Camí, G., Durán, N., Raba, J., &

Sanz, M. I. (2016). Production of silver nanoparticles using yeasts and evaluation of their antifungal activity against phytopathogenic fungi. Process Biochemistry, 51(9), 1306-1313, SCOPUS
103. [1.2] Ferrer, A., Alciaturi, C., Faneite, A., & Ríos, J. (2016). Analyses of biomass fibers by XRD, FT-IR, and NIR. In Analytical techniques and methods for biomass (Springer, chapter 3, pp. 45-83), SCOPUS

ADCA292 KAČURÁKOVÁ, Marta - WELLNER, N. - EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - WILSON, R.H. - BELTON, P.S. Characterisation of xylan-type polysaccharides and associated cell wall components by FT-IR and FT-Raman spectroscopies. In Food Hydrocolloids, 1999, vol. 13, p. 35-41. ISSN 0268-005X.

Citácie:
1. [1.1] Acemi, A (Acemi, Arda); Turker-Kaya, S (Turker-Kaya, Sevgi); Ozen, F (Ozen, Fazil): FT-IR Spectroscopy Based Evaluation of Changes in Primary Metabolites of Amsonia orientalis after In vitro 6-benzylaminopurine Treatment. In: NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA Volume: 44 Issue: 1 Pages: 209-214, WOS
2. [1.1] Almkvist, G (Almkvist, Gunnar); Norbakhsh, S (Norbakhsh, Shahin); Bjurhager, I (Bjurhager, Ingela); Varmuza, K (Varmuza, Kurt): Prediction of tensile strength in iron-contaminated archaeological wood by FT-IR spectroscopy - a study of degradation in recent oak and Vasa oak. In: HOLZFORSCHUNG Volume: 70 Issue: 9 Pages: 855-865, WOS
3. [1.1] Borghese, R (Borghese, Roberto); Brucale, M (Brucale, Marco); Fortunato, G (Fortunato, Gianuario); Lanzi, M (Lanzi, Massimiliano); Mezzi, A (Mezzi, Alessio); Valle, F (Valle, Francesco); Cavallini, M (Cavallini, Massimiliano); Zannoni, D (Zannoni, Davide): Extracellular production of tellurium nanoparticles by the photosynthetic bacterium Rhodobacter capsulatus. In: JOURNAL OF HAZARDOUS MATERIALS Volume: 309 Pages: 202-209, WOS
4. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In: CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS
5. [1.1] Chen, GG (Chen, Ge-Gu); Qi, XM (Qi, Xian-Ming); Guan, Y (Guan, Ying); Peng, F (Peng, Feng); Yao, CL (Yao, Chun-Li); Sun, RC (Sun, Run-Cang): High Strength Hemicellulose-Based Nanocomposite Film for Food Packaging Applications. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 4 Pages: 1985-1993, WOS
6. [1.1] Chylinska, M (Chylinska, Monika); Szymanska-Chargot, M (Szymanska-Chargot, Monika); Zdunek, A (Zdunek, Artur): FT-IR and FT-Raman characterization of non-cellulosic polysaccharides fractions isolated from plant cell wall. In: CARBOHYDRATE POLYMERS Volume: 154 Pages: 48-54, WOS
7. [1.1] Guan, Y (Guan, Ying); Qi, XM (Qi, Xian-Ming); Chen, GG (Chen, Ge-Gu); Peng, F (Peng, Feng); Sun, RC (Sun, Run-Cang): Facile approach to prepare drug-loading film from hemicelluloses and chitosan. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 542-548, WOS
8. [1.1] Hachem, K (Hachem, Kadda); Faugeron, C (Faugeron, Celine); Kaid-Harche, M (Kaid-Harche, Meriem); Gloaguen, V (Gloaguen, Vincent): Structural Investigation of Cell Wall Xylan Polysaccharides from the Leaves of Algerian Argania spinosa. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1587, WOS
9. [1.1] Jaaskelainen, AS (Jaaskelainen, Anna-Stiina); Rojas, LG (Rojas, Leonardo Galvis); Bertinetto, CG (Bertinetto, Carlo G.): Localization of Cereal Grain Components by Vibrational Microscopy and Chemometric Analysis. In: IMAGING TECHNOLOGIES AND DATA PROCESSING FOR FOOD ENGINEERS Book Series Title: Food Engineering Series Pages: 41-68, WOS
10. [1.1] Jain, A (Jain, Ashay); Thakur, D (Thakur, Deepika); Ghoshal, G (Ghoshal, Gargi); Katare, OP (Katare, O. P.); Shivhare, US (Shivhare, U. S.): Characterization of microcapsulated beta-carotene formed by complex coacervation using casein and gum tragacanth. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 87 Pages: 101-113, WOS
11. [1.1] Li, L (Li, Li); Ma, S (Ma, Sen); Fan, L (Fan, Ling); Zhang, C (Zhang, Chi); Pu, XQ (Pu, Xiaoqing); Zheng, XL (Zheng, Xueling); Wang, XX (Wang, Xiaoxi): The influence of ultrasonic modification on arabinoxylans properties obtained from wheat bran. In: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 11 Pages: 2338-2344 DOI: 10.1111/ijfs.13239 Published: NOV 2016 ISSN: 0950-5423 eISSN: 1365-2621 Accession, WOS
12. [1.1] Muchlisyam (Muchlisyam); Silalahi, J (Silalahi, Jansen); Harahap, U (Harahap, Urip): Hemicellulose: Isolation and Its Application in Pharmacy. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 305-339, WOS
13. [1.1] Pascu, DE (Pascu, Daniela-E.); Miron, AR (Miron, Alexandra R.); Pascu-Neagu, M

(Pascu-Neagu, Mihaela); Nechifor, AC (Nechifor, Aurelia C.); Bita, BI (Bita, Bogdan I.); Popescu, MC (Popescu, Marian C.); Trisca-Rusu, C (Trisca-Rusu, Corneliu); Totu, EE (Totu, Eugenia Eftimie): Fabrication, characterization, and modelling of polysulfone composite membranes with enhanced adsorbent capabilities. In: SEPARATION SCIENCE AND TECHNOLOGY Volume: 51 Issue: 15-16 Special Issue: SI Pages: 2628-2638, WOS
14. [1.1] Pavlovich-Abril, A (Pavlovich-Abril, Alan); Rouzaud-Sandez, O (Rouzaud-Sandez, Ofelia); Carvajal-Millan, E (Carvajal-Millan, Elizabeth); Navarro, RE (Elena Navarro, Rosa); Robles-Sanchez, RM (Maribel Robles-Sanchez, Rosario); Barron-Hoyos, JM (Manuel Barron-Hoyos, Jesus): Molecular characterization of water extractable arabinoxylans isolated from wheat fine bran and their effect on dough viscosity. In: LWT-FOOD SCIENCE AND TECHNOLOGY Volume: 74 Pages: 484-492, WOS
15. [1.1] Samanta, AK (Samanta, Ashis Kumar); Kolte, AP (Kolte, A. P.); Elangovan, AV (Elangovan, A. V.); Dhali, A (Dhali, A.); Senani, S (Senani, S.); Sridhar, M (Sridhar, M.); Suresh, KP (Suresh, K. P.); Jayapal, N (Jayapal, N.); Jayaram, C (Jayaram, C.); Roy, S (Roy, Sohini): Value addition of corn husks through enzymatic production of xylooligosaccharides. In: BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 59 Article Number: e16160078, WOS
16. [1.1] Samanta, Ashis Kumar; Kolte, A.P.; Elangovan, A.V.; Dhali, A.; Senani, S.; Sridhar, M.; Suresh, K.P.; Jayapal, N.; Jayaram, C.; Roy, Sohini: Value addition of corn husks through enzymatic production of xylooligosaccharides. In: Brazilian Archives of Biology and Technology Volume: 59 Issue: 0, WOS
17. [1.1] Troshchynska, Y (Troshchynska, Yana); Synytsya, A (Synytsya, Andriy); Kyselka, J (Kyselka, Jan); Stetina, J (Stetina, Jiri): FLAXSEED MEAL MUCILAGE POLYSACCHARIDES: CHEMICAL CHARACTERIZATION AND PURIFICATION. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 273-277, WOS
18. [1.1] Wang, ZB (Wang, Zhen-Bin); Chen, BB (Chen, Bing-Bing); Luo, L (Luo, Lin); Yan, JK (Yan, Jing-Kun): Fractionation, physicochemical characteristics and biological activities of polysaccharides from Pueraria lobata roots. In: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS Volume: 67 Pages: 54-60, WOS
19. [1.1] Wu, HY (Wu, Hongyang); Xu, HM (Xu, Huimin); Li, HY (Li, Hanyin); Wei, DM (Wei, Dongmei); Lin, JX (Lin, Jinxing); Li, XJ (Li, Xiaojuan): Seasonal development of cambial activity in relation to xylem formation in Chinese fir. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 195 Pages: 23-30, WOS
20. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS
21. [1.1] Zeng, YN (Zeng, Yining); Yarbrough, JM (Yarbrough, John M.); Mittal, A (Mittal, Ashutosh); Tucker, MP (Tucker, Melvin P.); Vinzant, TB (Vinzant, Todd B.); Decker, SR (Decker, Stephen R.); Himmel, ME (Himmel, Michael E.): In situ label-free imaging of hemicellulose in plant cell walls using stimulated Raman scattering microscopy. In: Biotechnology for Biofuels Volume: 9 Article Number: 256, WOS

ADCA293 KAČURÁKOVÁ, Marta - MATHLOUTHI, M. FTIR and laser-Raman spectra of oligosaccharides in water: Characterization oh the glycosidic bond. In Carbohydrate Research, 1996, vol. 284, no. 2, p. 145-157. (1.506 - IF1995). ISSN 0008-6215.

Citácie:

1. [1.1] Andreotti, A (Andreotti, Alessia); Brown, WP (Brown, William P.); Camaiti, M (Camaiti, Mara); Colombini, MP (Colombini, Maria Perla); DeCruz, A (DeCruz, Adele): Diagnosis of materials and effectiveness of Er:YAG laser cleaning as complementary treatment in a panel painting attributed to Lluis Borrassa (fifteenth century). In: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 6 Article Number: 572, WOS
2. [1.1] Berterame, NM (Berterame, Nadia Maria); Porro, D (Porro, Danilo); Ami, D (Ami, Diletta); Branduardi, P (Branduardi, Paola): Protein aggregation and membrane lipid modifications under lactic acid stress in wild type and OPI1 deleted Saccharomyces cerevisiae strains. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 39, WOS
3. [1.1] Brunchi, CE (Brunchi, Cristina-Eliza); Bercea, M (Bercea, Maria); Morariu, S (Morariu, Simona); Avadanei, M (Avadanei, Mihaela): Investigations on the interactions between xanthan gum and poly(vinyl alcohol) in solid state and aqueous solutions. In: EUROPEAN POLYMER JOURNAL Volume: 84 Pages: 161-172, WOS
4. [1.1] Choy, SY (Choy, Sook Yan); Prasad, KN (Prasad, Krishnamurthy Nagendra); Wu, TY (Wu, Ta Yeong); Raghunandan, ME (Raghunandan, Mavinakere Eshwaraiah); Ramanan, RN (Ramanan, Ramakrishnan Nagasundara): Performance of conventional starches as natural coagulants for turbidity removal. In: ECOLOGICAL ENGINEERING Volume: 94 Pages: 352-

364, WOS
5. [1.1] Das, SP (Das, Saprativ P.); Gupta, A (Gupta, Ashutosh); Das, D (Das, Debasish); Goyal, A (Goyal, Arun): Enhanced bioethanol production from water hyacinth (Eichhornia crassipes) by statistical optimization of fermentation process parameters using Taguchi orthogonal array design. In: INTERNATIONAL BIODETERIORATION & BIODEGRADATION Volume: 109 Pages: 174-184, WOS
6. [1.1] Deng, WH (Deng, Weihua); Kennedy, JR (Kennedy, James R.); Tsilomelekis, G (Tsilomelekis, George); Zheng, WQ (Zheng, Weiqing); Nikolakis, V (Nikolakis, Vladimiros): Cellulose Hydrolysis in Acidified LiBr Molten Salt Hydrate Media. In. I NDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 54 Issue: 19 Pages: 5226-5236, WOS
7. [1.1] Hari, N (Hari, Neethu); Nair, AJ (Nair, Ananthakrishnan Jayakumaran): Development and characterization of chitosan-based antimicrobial films incorporated with streptomycin loaded starch nanoparticles. In: NEW HORIZONS IN TRANSLATIONAL MEDICINE Volume: 3 Issue: 1 Pages: 22-29, WOS
8. [1.1] Jiang, Y (Jiang, Ye); Xue, JH (Xue, Junhui); Wen, XD (Wen, Xiaodong); Zhai, YJ (Zhai, Yanjun); Yang, LM (Yang, Limin); Xu, YZ (Xu, Yizhuang); Zhao, GZ (Zhao, Guozhong); Kou, K (Kou, Kuan); Liu, KX (Liu, Kexin); Chen, JE (Chen, Jia'er); Wu, JG (Wu, Jinguang): Sugar-metal ion interactions: The coordination behavior of cesium ion with lactose, D-arabinose and L-arabinose. In: JOURNAL OF MOLECULAR STRUCTURE Volume: 1109 Pages: 179-191, WOS
9. [1.1] Kan, Y (Kan, Yelena); Lensu, L (Lensu, Lasse); Hehl, G (Hehl, Gregor); Volkmer, A (Volkmer, Andreas); Vartiainen, EM (Vartiainen, Erik M.): Wavelet prism decomposition analysis applied to CARS spectroscopy: a tool for accurate and quantitative extraction of resonant vibrational responses. In: OPTICS EXPRESS Volume: 24 Issue: 11 Pages: 1905-1916, WOS
10. [1.1] Kuanyshev, N (Kuanyshev, Nurzhan); Ami, D (Ami, Diletta); Signori, L (Signori, Lorenzo); Porro, D (Porro, Danilo); Morrissey, JP (Morrissey, John P.); Branduardi, P (Branduardi, Paola): Assessing physio-macromolecular effects of lactic acid on Zygosaccharomyces bailii cells during microaerobic fermentation. In: FEMS YEAST RESEARCH Volume: 16 Issue: 5 Article Number: fow058, WOS
11. [1.1] Maia, LF (Maia, Lenize F.); Gonzaga, TA (Gonzaga, Tatiani A.); Carvalho, RG (Carvalho, Rafael G.); Leite, CM (Leite, Camila M.); Lobo-Hajdu, G (Lobo-Hajdu, Gisele); Aguiar, JAK (Aguiar, Jair A. K.); Edwards, HGM (Edwards, Howell G. M.); de Oliveira, LFC (de Oliveira, Luiz F. C.): Monitoring of sulfated polysaccharide content in marine sponges by Raman spectroscopy. In: VIBRATIONAL SPECTROSCOPY Volume: 87 Pages: 149-156, WOS
12. [1.1] Mirzaei, B (Mirzaei, Bahman); Moosavi, SF (Moosavi, Seyed Fazlollah); Babaei, R (Babaei, Ryhane); Siadat, SD (Siadat, Seyed Davar); Vaziri, F (Vaziri, Farzam); Shahrooei, M (Shahrooei, Mohammad): Purification and Evaluation of Polysaccharide Intercellular Adhesion (PIA) Antigen from Staphylococcus epidermidis. In: CURRENT MICROBIOLOGY Volume: 73 Issue: 5 Pages: 611-617, WOS
13. [1.1] Rezvani Amin, Z., Khashyarmanesh, Z., & Fazly Bazzaz, B. S. (2016). Different behavior of staphylococcus epidermidis in intracellular biosynthesis of silver and cadmium sulfide nanoparticles: More stability and lower toxicity of extracted nanoparticles. World Journal of Microbiology and Biotechnology, 32(9), SCOPUS
14. [1.1] Rutering, M (Ruetering, Marius); Schmid, J (Schmid, Jochen); Ruhmann, B (Ruehmann, Broder); Schilling, M (Schilling, Martin); Sieber, V (Sieber, Volker): Controlled production of polysaccharides-exploiting nutrient supply for levan and heteropolysaccharide formation in Paenibacillus sp.. In: CARBOHYDRATE POLYMERS Volume: 148 Pages: 326-334, WOS
15. [1.1] Todica, M (Todica, Mihai); Cioica, N (Cioica, Nicolae); Olar, LE (Olar, Loredana Elena); Papuc, I (Papuc, Ionel); Cota, C (Cota, Constantin); Marin, E (Marin, Eugen); Manea, D (Manea, Dragos); Nagy, EM (Nagy, Elena Mihaela): Preliminary XRD and IR investigation of some starch based biodegradable systems. In: ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 21 Issue: 5 Pages: 11825-11831, WOS
16. [1.1] Wang, HL (Wang, Hualin); Lv, J (Lv, Jian); Jiang, SW (Jiang, Suwei); Niu, BC (Niu, Baicheng); Pang, M (Pang, Min); Jiang, ST (Jiang, Shaotong): Preparation and characterization of porous corn starch and its adsorption toward grape seed proanthocyanidins. In: STARCH-STARKE Volume: 68 Issue: 11-12 Special Issue: SI Pages: 1254-1263, WOS
17. [1.2] Aguirre Calvo, T., & Santagapita, P. (2016). Physicochemical characterization of alginate beads containing sugars and biopolymers. Journal of Quality and Reliability Engineering, 2016, Article number 9184039, SCOPUS

ADCA294 KAČURÁKOVÁ, Marta - WILSON, R.H. Developments in mid-infrared FT-IR spectroscopy of selected carbohydrates. In Carbohydrate Polymers, 2001, vol. 44, p. 291-303. (1.184 - IF2000). (2001 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Borchani, C (Borchani, Chema); Fonteyn, F (Fonteyn, Fabienne); Jamin, G (Jamin,

Guilhem); Paquot, M (Paquot, Michel); Thonart, P (Thonart, Philippe); Blecker, C (Blecker, Christophe): Physical, functional and structural characterization of the cell wall fractions from baker's yeast Saccharomyces cerevisiae. In: FOOD CHEMISTRY Volume: 194 Pages: 1149-1155, WOS

2. [1.1] Cardenas, W (Cardenas, W.); Gomez-Pachon, EY (Gomez-Pachon, E. Y.); Munoz, E (Munoz, E.); Vera-Graziano, R (Vera-Graziano, R.): Preparation of potato starch microfibers obtained by electro wet spinning. In: II International Congress of Mechanical Engineering and Agricultural Science (CIIMCA 2015) Book Series Title: IOP Conference Series-Materials Science and Engineering Volume: 138 Article Number: 012001, WOS

3. [1.1] Chaari, F (Chaari, Fatma); Belghith-Fendri, L (Belghith-Fendri, Lilia); Zaouri-Ellouzi, S (Zaouri-Ellouzi, Soumaya); Driss, D (Driss, Dorra); Blibech, M (Blibech, Monia); Kallel, F (Kallel, Fatma); Bouaziz, F (Bouaziz, Fatma); Mehdi, Y (Mehdi, Yosra); Ellouz-Chaabouni, S (Ellouz-Chaabouni, Semia); Ghorbel, R (Ghorbel, Raoudha): Antibacterial and antioxidant properties of mixed linkage beta-oligosaccharides from extracted beta-glucan hydrolysed by Penicillium occitanis EG(L) lichenase. In: NATURAL PRODUCT RESEARCH Volume: 30 Issue: 12 Pages: 1353-1359, WOS

4. [1.1] Jaaskelainen, AS (Jaaskelainen, Anna-Stiina); Rojas, LG (Rojas, Leonardo Galvis); Bertinetto, CG (Bertinetto, Carlo G.): Localization of Cereal Grain Components by Vibrational Microscopy and Chemometric Analysis. In: IMAGING TECHNOLOGIES AND DATA PROCESSING FOR FOOD ENGINEERS Book Series Title: Food Engineering Series Pages: 41-68, WOS

5. [1.1] Karabulut, S (Karabulut, Sedat); Uysal, D (Uysal, Devran); Leszczynski, J (Leszczynski, Jerzy): A new hybrid (experimental-theoretical) quantitative method for detection of relative anomer concentrations in water. In: STRUCTURAL CHEMISTRY Volume: 27 Issue: 2 Pages: 449-455, WOS

6. [1.1] Korva, H (Korva, Hanne); Karkkainen, J (Karkkainen, Johanna); Lappalainen, K (Lappalainen, Katja); Lajunen, M (Lajunen, Marja): Spectroscopic study of natural and synthetic polysaccharide sulfate structures, In: STARCH-STARKE Volume: 68 Issue: 9-10 Pages: 854-863, WOS

7. [1.1] Kumar, S (Kumar, Saroj); Lahlali, R (Lahlali, Rachid); Liu, X (Liu, Xia); Karunakaran, C (Karunakaran, Chithra): Infrared spectroscopy combined with imaging: A new developing analytical tool in health and plant science. In: APPLIED SPECTROSCOPY REVIEWS Volume: 51 Issue: 6 Pages: 466-483, WOS

8. [1.1] Li, L (Li, Li); Ma, S (Ma, Sen); Fan, L (Fan, Ling); Zhang, C (Zhang, Chi); Pu, XQ (Pu, Xiaoqing); Zheng, XL (Zheng, Xueling); Wang, XX (Wang, Xiaoxi): The influence of ultrasonic modification on arabinoxylans properties obtained from wheat bran. In:INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 11 Pages: 2338-2344, WOS

9. [1.1] Rahoui, N (Rahoui, Nahla); Jiang, B (Jiang, Bo); Pan, HT (Pan, Hai Tao); Huang, YD (Huang, Yu Dong): Spectroscopy strategy for solid propellants quality control. In: APPLIED SPECTROSCOPY REVIEWS Volume: 51 Issue: 5 Pages: 431-450, WOS

10. [1.1] Romano, N (Romano, Nelson); Santos, M (Santos, Mauricio); Mobili, P (Mobili, Pablo); Vega, R (Vega, Roberto); Gomez-Zavaglia, A (Gomez-Zavaglia, Andrea): Effect of sucrose concentration on the composition of enzymatically synthesized short-chain fructo-oligosaccharides as determined by FTIR and multivariate analysis. In: FOOD CHEMISTRY Volume: 202 Pages: 467-475, WOS

11. [1.1] Sardari, B (Sardari, Behzad); Davoli, F (Davoli, Federico); Ozcan, M (Ozcan, Meric): A simple configuration for static Fourier transform infrared spectrometers. In: OPTICAL SENSING AND DETECTION IV Book Series Title: Proceedings of SPIE Volume: 9899 Article Number: UNSP 98990T, WOS

12. [1.1] Sharma, H. S. S., Selby, C., Carmichael, E., McRoberts, C., Rao, J. R., Ambrosino, P., Chiurazzi, M., Pucci, M., Martin, T. (2016). Physicochemical analyses of plant biostimulant formulations and characterisation of commercial products by instrumental techniques. Chemical and Biological Technologies in Agriculture, 3(1), SCOPUS

13. [1.1] Trache, D (Trache, Djalal); Hussin, MH (Hussin, M. Hazwan); Chuin, CTH (Chuin, Caryn Tan Hui); Sabar, S (Sabar, Sumiyyah); Fazita, MRN (Fazita, M. R. Nurul); Taiwo, OFA (Taiwo, Owolabi F. A.); Hassan, TM (Hassan, T. M.); Haafiz, MKM (Haafiz, M. K. Mohamad): Microcrystalline cellulose: Isolation, characterization and bio-composites application-A review. In. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 789-804, WOS

14. [1.1] Tranquilan-Aranilla, C (Tranquilan-Aranilla, Charito); Barba, BD (Barba, Bin Jeremiah D.); Vista, JRM (Vista, Jeanina Richelle M.); Abad, LV (Abad, Lucille V.): Hemostatic efficacy evaluation of radiation crosslinked carboxymethyl kappa-carrageenan and chitosan with varying

degrees of substitution. In: RADIATION PHYSICS AND CHEMISTRY Volume: 124 Pages: 124-129, WOS
15. [1.1] Troshchynska, Y (Troshchynska, Yana); Synytsya, A (Synytsya, Andriy); Kyselka, J (Kyselka, Jan); Stetina, J (Stetina, Jiri): FLAXSEED MEAL MUCILAGE POLYSACCHARIDES: CHEMICAL CHARACTERIZATION AND PURIFICATION. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 273-277, WOS
16. [1.1] Xia, HP (Xia, Huiping); Li, YY (Li, Yunyun); Gao, QY (Gao, Qunyu): Preparation and properties of RS4 citrate sweet potato starch by heat-moisture treatment. In: FOOD HYDROCOLLOIDS Volume: 55 Pages: 172-178, WOS
17. [1.1] Zhang, XZ (Zhang, Xuezhi); Lu, ZY (Lu, Zhiying); Wang, YF (Wang, Yifei); Wensel, P (Wensel, Pierre); Sommerfeld, M (Sommerfeld, Milton); Hu, Q (Hu, Qiang): Recycling Nannochloropsis oceanica culture media and growth inhibitors characterization. In: ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS Volume: 20 Pages: 282-290, WOS
18. [1.2] Flórez-Pardo, L. M., & López-Galán, J. E. (2016). Chemical analysis and characterization of biomass for biorefineries. In Analytical techniques and methods for biomass (Springer, chapter 9, pp. 235-273), SCOPUS
19. [1.2] Lopez-Garcia, F (Lopez-Garcia, Fabiola); Jimenez-Martinez, C (Jimenez-Martinez, Cristian): Biopolymer Films: Applications for Containers and other Products. In: TENDENCIAS DE INNOVACION EN LA INGENIERIA EN ALIMENTOS Book Series Title: OmniaScience Monographs Pages: 9-36, SCOPUS
20. [1.2] Pu, Y., Meng, X., Yoo, C. G., Li, M., & Ragauskas, A. J. (2016). Analytical methods for biomass characterization during pretreatment and bioconversion? In Valorization of lignocellulosic biomass in a biorefinery: From logistics to environmental and performance impact (Nova Science Publishers, chapter 2, pp. 37-78), SCOPUS
21. [1.2] Raj, V., & Prabha, G. (2016). Synthesis, characterization and in vitro drug release of cisplatin loaded cassava starch acetate–PEG/gelatin nanocomposites. Journal of the Association of Arab Universities for Basic and Applied Sciences, 21, 10-16, SCOPUS

ADCA295 KAČURÁKOVÁ, Marta - EBRINGEROVÁ, Anna - HIRSCH, Ján - HROMADKOVÁ, Zdena. Infrared study of arabinoxylans. In Journal of the Science of Food and Agriculture, 1994, vol. 66, no. 3, p. 423-427.

Citácie:
1. [1.1] Chen, GG (Chen, Ge-Gu); Qi, XM (Qi, Xian-Ming); Guan, Y (Guan, Ying); Peng, F (Peng, Feng); Yao, CL (Yao, Chun-Li); Sun, RC (Sun, Run-Cang): High Strength Hemicellulose-Based Nanocomposite Film for Food Packaging Applications. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 4 Pages: 1985-1993, WOS
2. [1.1] Gao, YH (Gao, Yanhong); Li, Q (Li, Qun); Shi, Y (Shi, Yu); Cha, RT (Cha, Ruitao): Preparation and Application of Cationic Modified Cellulose Fibrils as a Papermaking Additive. In: INTERNATIONAL JOURNAL OF POLYMER SCIENCE Article Number: 6978434, WOS
3. [1.1] Guan, Y (Guan, Ying); Qi, XM (Qi, Xian-Ming); Chen, GG (Chen, Ge-Gu); Peng, F (Peng, Feng); Sun, RC (Sun, Run-Cang): Facile approach to prepare drug-loading film from hemicelluloses and chitosan. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 542-548, WOS
4. [1.1] Guo, JQ (Guo, Jiaqi); Filpponen, I (Filpponen, Ilari); Su, PP (Su, Pingping); Laine, J (Laine, Janne); Rojas, OJ (Rojas, Orlando J.).: Attachment of gold nanoparticles on cellulose nanofibrils via click reactions and electrostatic interactions. In. CELLULOSE Volume: 23 Issue: 5 Pages: 3065-3075, WOS
5. [1.1] Kinyua, EM (Kinyua, Esther Mbuci); Mwangi, IW (Mwangi, Isaac W.); Wanjau, RN (Wanjau, Ruth N.); Ngila, JC (Ngila, J. C.): Clarification of colloidal and suspended material in water using triethanolamine modified maize tassels. In: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 6 Pages: 5214-5221, WOS
6. [1.1] Li, L (Li, Li); Ma, S (Ma, Sen); Fan, L (Fan, Ling); Zhang, C (Zhang, Chi); Pu, XQ (Pu, Xiaoqing); Zheng, XL (Zheng, Xueling); Wang, XX (Wang, Xiaoxi): The influence of ultrasonic modification on arabinoxylans properties obtained from wheat bran: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 11 Pages: 2338-2344, WOS
7. [1.1] Liu, ZJ (Liu, Zhijun); Huang, HH (Huang, Huihua): Preparation and characterization of cellulose composite hydrogels from tea residue and carbohydrate additives. In: CARBOHYDRATE POLYMERS Volume: 147 Pages: 226-233, WOS
8. [1.1] Ma, LJ (Ma, Lijuan); Du, LP (Du, Liping); Cui, YZ (Cui, Youzhi); Song, P (Song, Pan); Jiang, FC (Jiang, Fengchao); Ma, Q (Ma, Qing); Xiao, DG (Xiao, Dongguang): Isolation and structural analysis of hemicellulose from corncobs after a delignification pretreatment. In: ANALYTICAL METHODS Volume: 8 Issue: 41 Pages: 7500-7506, WOS

9. [1.1] Medronho, B (Medronho, Bruno); Duarte, H (Duarte, Hugo); Alves, L (Alves, Luis); Antunes, FE (Antunes, Filipe E.); Romano, A (Romano, Anabela); Valente, AJM (Valente, Artur J. M.): The role of cyclodextrin-tetrabutylammonium complexation on the cellulose dissolution. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 136-143, WOS
10. [1.1] Munir, H (Munir, Hira); Shahid, M (Shahid, Muhammad); Anjum, F (Anjum, Fozia); Mudgil, D (Mudgil, Deepak):Structural, thermal and rheological characterization of modified Dalbergia sissoo gum-A medicinal gum. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 84 Pages: 236-245, WOS
11. [1.1] Zhang, B (Zhang, Bing); Guan, Y (Guan, Ying); Bian, J (Bian, Jing); Peng, F (Peng, Feng); Ren, JL (Ren, Jun-Li); Yao, CL (Yao, Chun-Li); Sun, RC (Sun, Run-Cang): STRUCTURE OF HEMICELLULOSES UPON MATURATION OF BAMBOO (Neosinocalamus affinis) CULMS. In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 2 Pages: 189-198, WOS
12. [1.2] Gao, Z., Song, S., Sun, W., Hu, Y., & Zhong, H. (2016). Depressant behavior and mechanism of guar and xanthan gums on calcite flotation. Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology), 47(5), 1459-1464, SCOPUS
13. [1.2] Then, Y. Y., Ibrahim, N. A., Zainuddin, N., Chieng, B. W., Eng, C. C., Ariffin, H., & Wan Yunus, W. M. Z. (2016). Enhancement of tensile properties of surface treated oil palm mesocarp fiber/poly(butylene succinate) biocomposite by (3-aminopropyl)trimethoxysilane, SCOPUS
14. [1.2] Zulyadi, N. H., Saleh, S. H., & Sarijo, S. H. (2016). Fractionation of hemicellulose from rice straw by alkaline extraction and ethanol precipitation. [Pemisahan hemiselulosa daripada hampas batang padi melalui pengekstrakan beralkali dan pemendakan etanol] Malaysian Journal of Analytical Sciences, 20(2), 329-334, SCOPUS
15. [3.1] Bii, T. A., Mwangi, I. W., Wanjau, R. N., Swaleh, S., Ram, M., Ngila, J. C. (2016). Remediation of some selected heavy metals from water using modified and unmodified mushrooms. Journal of Pollution Effects & Control, 4(2), 1-15, art. no. 1000162
16. [3.1] Mwangi Kamathi, C., Mwangi, I. W., Wanjau, R. N., Swaleh, S., Ram, M., Ngila, J. C. (2016). Remediation of fluoride laden water by complexation with triethylamine modified maize tassels. Environment and Natural Resources Research, 6(1), 44-58

ADCA296 KÁKONIOVÁ, Daniela - HLINKOVÁ, Elena - LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin. Oligosaccharides induce changes in protein patterns of regenerating spruce protoplasts. In Central European Journal of Biology, 2010, vol.5, no.3, p. 353-363. (0.915 - IF2009). (2010 - Current Contents). ISSN 1895-104X.

Citácie:

1. [3.1] Kalia, RK (Kalia, Rajwant K.); Singh, R (Singh, Rohtas); Kalia, S (Kalia, Sanjay); Sharma, SK (Sharma, SK), Kumar, S (Kumar, Suresh). (2016). Recent advances in understanding the role of growth regulators in plant growth and development in vitro - II. Non-conventional growth regulators. The Indian Forester, 142(6), 524-535

ADCA297 KÁKOŠOVÁ, Anna - DIGONNET, Catherine - GOUBET, Florencie - RANOCHA, Philipe - JAUNEAU, Alain - PESQUET, Eduuard - BARBIER, Odile - ZHANG, Zhinong - CAPEK, Peter - DUPREE, Paul - LIŠKOVÁ, Desana - GOFFNER, Deborah. Galactoglucomannans increase cell population density and alter the protoxylem/metaxylem tracheary element ratio in xylogenic cultures of zinnia. In Plant Physiology, 2006, vol. 142, p.696-709. (6.114 - IF2005). (2006 - Current Contents). ISSN 0032-0889.

Citácie:

1. [1.1] Abedi, T (Abedi, Tayebeh); Khalil, MFM (Khalil, Mohamed Farouk Mohamed); Asai, T (Asai, Toshihiko); Ishihara, N (Ishihara, Nami); Kitamura, K (Kitamura, Kenji); Ishida, N (Ishida, Nobuhiro); Tanaka, N (Tanaka, Nobukazu): UDP-galactose transporter gene hUGT1 expression in tobacco plants leads to hyper-galactosylated cell wall components. In: JOURNAL OF BIOSCIENCE AND BIOENGINEERING Volume: 121 Issue: 5 Pages: 573-583, WOS
2. [1.1] Iqbal, A (Iqbal, Amjad); Miller, JG (Miller, Janice G.); Murray, L (Murray, Lorna); Sadler, IH (Sadler, Ian H.); Fry, SC (Fry, Stephen C.): The pectic disaccharides lepidimoic acid and beta-d-xylopyranosyl-(1 -> 3)-d-galacturonic acid occur in cress-seed exudate but lack allelochemical activity. In: ANNALS OF BOTANY Volume: 117 Issue: 4 Pages: 607-623, WOS

ADCA298 KALIMUTHU, Palraj - TKÁČ, Ján - KAPPLER, Ulrike - DAVIS, Jason J. - BERNHARDT, Paul V. Highly sensitive and stable electrochemical sulfite biosensor incorporating a bacterial sulfite dehydrogenase. In Analytical Chemistry, 2010, vol.82, p. 7374-7379. (5.214 - IF2009). (2010 - Current Contents). ISSN 0003-2700.

Citácie:

1. [1.1] Agarwalla, H (Agarwalla, Hridesh); Pal, S (Pal, Suman); Paul, A (Paul, Anirban); Jun, YW (Jun, Yong Woong); Bae, J (Bae, Juryang); Ahn, KH (Ahn, Kyo Han); Srivastava, DN (Srivastava, Divesh N.); Das, A (Das, Amitava): A fluorescent probe for bisulfite ions: its application to two-photon tissue imaging. In: Source: JOURNAL OF MATERIALS CHEMISTRY B

Volume: 4 Issue: 48 Pages: 7888-7894, WOS
2. [1.1] Diwan, U (Diwan, Uzra); Kumar, V (Kumar, Virendra); Mishra, RK (Mishra, Rakesh K.); Rana, NK (Rana, Nishant Kumar); Koch, B (Koch, Biplob); Singh, MK (Singh, Manish Kumar); Upadhyay, KK (Upadhyay, K. K.): A pyrene-benzthiazolium conjugate portraying aggregation induced emission, a ratiometric detection and live cell visualization of HSO3-. In: ANALYTICA CHIMICA ACTA Volume: 929 Pages: 39-48, WOS
3. [1.1] Zhai, YW (Zhai, Yiwen); Zhang, H (Zhang, Hui); Zhang, LL (Zhang, Lingling); Dong, SJ (Dong, Shaojun): A high performance fluorescence switching system triggered electrochemically by Prussian blue with upconversion nanoparticles. In: NANOSCALE Volume: 8 Issue: 18 Pages: 9493-9497, WOS

ADCA299 KARÁCSONYI, Š. - KUNIAK, Ľudovít. Polysaccharides of Pleurotus ostreatus: Isolation and structure of pleuran, an alkali-insoluble beta-D-glucan. In Carbohydrate Polymers, 1994, vol. 24, p. 107-111. ISSN 0144-8617.

Citácie:
1. [1.1] Jesenak, M (Jesenak, Milos); Urbancek, S (Urbancek, Slavomir); Majtan, J (Majtan, Juraj); Banovcin, P (Banovcin, Peter); Hercogova, J (Hercogova, Jana): beta-Glucan-based cream (containing pleuran isolated from pleurotus ostreatus) in supportive treatment of mild-to-moderate atopic dermatitis. In: JOURNAL OF DERMATOLOGICAL TREATMENT Volume: 27 Issue: 4 Pages: 351-354, WOS
2. [1.1] Szwengiel, A (Szwengiel, Artur); Stachowiak, B (Stachowiak, Barbara): Deproteinization of water-soluble beta-glucan during acid extraction from fruiting bodies of Pleurotus ostreatus mushrooms. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 310-319, WOS

ADCA300 KARÁCSONYI, Š. - PÄTOPRSTÝ, Vladimír - KUBAČKOVÁ, M. Structural study on arabinogalactan-proteins from Picea abies L. Karst. In Carbohydrate Research, 1998, vol. 307, p. 271-279. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Makarova, EN (Makarova, Elena N.); Shakhmatov, EG (Shakhmatov, Evgeny G.); Belyy, VA (Belyy, Vladimir A.): Structural characteristics of oxalate-soluble polysaccharides of Sosnowsky's hogweed (Heracleum sosnowskyi Manden). In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 66-77, WOS

ADCA301 KARÁCSONYI, Štefan - TOMAN, Rudolf - JANEČEK, František - KUBAČKOVÁ, Marta. Polysaccharides from the bark of the white willow (Salix alba L.): Structure of an arabian. In Carbohydrate Research, 1975, vol. 44, p. 285-293. ISSN 0008-6215.

Citácie:
1. [1.2] Song, W. Y., Han, S. H., & Shin, S. J. (2016). Studies on chemical composition and calrorimetric value of four polpulus enuramericana clones in reclaimed land for short rotation coppice production. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 48(6), 137-143, SCOPUS

ADCA302 KARÁCSONYI, Štefan - KOVÁČIK, Vladimír - ALFOLDI, Juraj - KUBAČKOVÁ, Marta. Chemical and C-13-NMR studies of an arabinogalactan from Larix sibirica L. In Carbohydrate Research, 1984, vol. 134, p. 265-274. ISSN 0008-6215.

Citácie:
1. [1.1] Babkin, VA (Babkin, V. A.); Neverova, NA (Neverova, N. A.); Medvedeva, EN (Medvedeva, E. N.); Fedorova, TE (Fedorova, T. E.); Levchuk, AA (Levchuk, A. A.): Investigation of physicochemical properties of arabinogalactan of different larch species. In: RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY Volume: 42 Issue: 7 Pages: 707-711, WOS
2. [1.1] Hromadkova, Z (Hromadkova, Zdenka); Kostalova, Z (Kostalova, Zuzana); Ondrejovic, M (Ondrejovic, Miroslav); Chmelova, D (Chmelova, Daniela): ISOLATION, COMPOSITION AND SRUCTURE OF POLYSACHARIDES FROM LARIXDECIDUA. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 142-147, WOS

ADCA303 KARDOŠOVÁ, Alžbeta - EBRINGEROVÁ, Anna - ALFOLDI, Juraj - NOSÁĽOVÁ, G. - FRAŇOVÁ, S. - HŘÍBALOVÁ, V. A biologically active fructan from the roots of Arctium lappa L., var. Herkules. In International Journal of Biological Macromolecules, 2003, vol. 33., p. 135-140. ISSN 0141-8130.

Citácie:
1. [1.1] Shi, L (Shi, Lei): Bioactivities, isolation and purification methods of polysaccharides from natural products: A review. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 92 Pages: 37-48, WOS

ADCA304 KARDOŠOVÁ, Alžbeta - MACHOVÁ, Eva. Antioxidant activity of medicinal plant polysaccharides. In Fitoterapia, 2006, vol. 77, p. 367-373. ISSN 0367-326X.

Citácie:

1. [1.1] Aftab, A (Aftab, Arusa); Khan, ZUD (Khan, Zaheer-ud-Din); Yousaf, Z (Yousaf, Zubaida); Khalid, S (Khalid, Sana): Ethnopharmacological Investigation of Rhynchosia pseudo-cajan: A Perennial Shrub for Various Activities. In: INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY Volume: 18 Issue: 6 Pages: 1098-1102, WOS
2. [1.1] Baruah, A (Baruah, Adrisyanti); Bordoloi, M (Bordoloi, Manobjyoti); Baruah, HPD (Baruah, Hari Prasanna Deka):Aloe vera: A multipurpose industrial crop. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 951-963, WOS
3. [1.1] Bouaziz, F (Bouaziz, Fatma); Koubaa, M (Koubaa, Mohamed); Ghorbel, RE (Ghorbel, Raoudha Ellouz); Chaabouni, SE (Chaabouni, Semia Ellouz): Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 535-545, WOS
4. [1.1] Korbekandi, H (Korbekandi, Hassan); Asghari, G (Asghari, Gholamreza); Chitsazi, MR (Chitsazi, Mohammad Reza); Najafi, RB (Najafi, Rahim Bahri); Badii, A (Badii, Akbar); Iravani, S (Iravani, Siavash): Green biosynthesis of silver nanoparticles using Althaea officinalis radix hydroalcoholic extract. In: ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY Volume: 44 Issue: 1 Pages: 209-215, WOS
5. [1.1] Lei, N (Lei, Ni); Chen, H (Chen, He); Feng, JH (Feng, Jinghui): OPTIMIZATION OF EXTRACTION OF POLYSACCHARIDES FROM WHITE HYACINTH BEAN USING PLACKETT-BURMAN AND STEEPEST ASCENT EXPERIMENT. In: CARPATHIAN JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 8 Issue: 4 Pages: 73-82, WOS
6. [1.1] Lei, N (Lei, Ni); Shu, GW (Shu, Guowei); Cao, JL (Cao, Jili); Wan, HC (Wan, Hongchang); Feng, JH (Feng, Jinghui): EXTRACTION AND ANTIOXIDANT ACTIVITIES ASSAY OF POLYSACCHARIDES FROM WHITE HYACINTH BEAN AND PROMOTING GROWTH TO PROBIOTICS. In: ANNALS OF THE UNIVERSITY DUNAREA DE JOS OF GALATI, FASCICLE VI-FOOD TECHNOLOGY Volume: 40 Issue: 2 Pages: 51-62, WOS
7. [1.1] Wang, JQ (Wang, Junqiao); Hu, SZ (Hu, Shuzhen); Nie, SP (Nie, Shaoping); Yu, Q (Yu, Qiang); Xie, MY (Xie, Mingyong): Reviews on Mechanisms of In Vitro Antioxidant Activity of Polysaccharides. In: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 5692852, WOS
8. [1.1] Zhang, WX (Zhang, Wuxia); Li, P (Li, Peng); Song, D (Song, Dan); Niu, H (Niu, Hong); Shi, SS (Shi, Songshan); Wang, SC (Wang, Shunchun); Duan, JY (Duan, Jinyou): Structural characterization and biological activities of two alpha-glucans from Radix Paeoniae Alba. In: GLYCOCONJUGATE JOURNAL Volume: 33 Issue: 2 Pages: 147-157, WOS
9. [1.2] Ameri, A., Heydarirad, G., Rezaeizadeh, H., Choopani, R., Ghobadi, A., & Gachkar, L. (2016). Evaluation of efficacy of an herbal compound on dry mouth in patients with head and neck cancers: A randomized clinical trial. Journal of Evidence-Based Complementary and Alternative Medicine, 21(1), 30-33, SCOPUS

ADCA305 KARDOŠOVÁ, Alžbeta - MALOVÍKOVÁ, Anna - PÄTOPRSTÝ, Vladimír - NOSÁĽOVÁ, G. - MATÁKOVÁ, T. Structural characterization and antitussive activity of a glucuronoxylan from Mahonia aquifolium (Pursh) Nutt. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2002, vol. 47, p. 27-33. (1.203 - IF2001). (2002 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Arshadi, M (Arshadi, Mehrdad); Attard, TM (Attard, Thomas M.); Lukasik, RM (Lukasik, Rafal M.); Brncic, M (Brncic, Mladen); Lopes, AMD (Lopes, Andre M. da Costa); Finell, M (Finell, Michael); Geladi, P (Geladi, Paul) et el: Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. In: GREEN CHEMISTRY Volume: 18 Issue: 23 Pages: 6160-6204, WOS

ADCA306 KARDOŠOVÁ, Alžbeta - MATULOVÁ, Mária - MALOVÍKOVÁ, Anna. (4-O-methyl-α-D-glucurono)-D-xylan from Rudbeckia fulgida, var. sullivantii (Boynton et Beadle. In Carbohydrate Research, 1998, vol.308, p. 99-105. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Rhee, MS (Rhee, Mun Su); Wei, LS (Wei, Lusha); Sawhney, N (Sawhney, Neha); Kim, YS (Kim, Young Sik); Rice, JD (Rice, John D.); Preston, JF (Preston, James F.): Metabolic potential of Bacillus subtilis 168 for the direct conversion of xylans to fermentation products. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 3 Pages: 1501-1510, WOS
2. [1.1] Verma, AK (Verma, Anil Kumar); Goyal, A (Goyal, Arun): A novel member of family 30 glycoside hydrolase subfamily 8 glucuronoxylan endo-beta-1,4-xylanase (CtXynGH30) from Clostridium thermocellum orchestrates catalysis on arabinose decorated xylans. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 129 Pages: 6-14, WOS
3. [1.1] Wei, LS (Wei, Lusha); Rhee, MS (Rhee, Mun Su); Preston, JF (Preston, James F.); Chen, H (Chen, Hui): Production of acidic xylooligosaccharides . In: JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY Volume: 91 Issue: 7 Pages: 2056-2062, WOS

ADCA307 KARELIN, A.A. - TSVETKOV, Y.E. - PAULOVIČOVÁ, Lucia - BYSTRICKÝ, Slavomír - PAULOVIČOVÁ, Ema - NIFANTIEV, N.E. Synthesis of 3,6-branched oligomannoside fragments of the mannan from Candida albicans cell wall corresponding to the antigenic factor 4. In Carbohydrate Research, 2010, vol. 345, p. 1283-1290. (2.025 - IF2009). (2010 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Xolin, A (Xolin, Amandine); Norsikian, S (Norsikian, Stephanie); Boyer, FD (Boyer, Francois-Didier); Beau, JM (Beau, Jean-Marie): Iron(III)-Triflate-Catalyzed Multiple Glycosylations with Peracetylated beta-D-Glucosamine. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 20 Pages: 3408-3418, WOS

ADCA308 KARELIN, Alexander A - TSVETKOV, Yury E - PAULOVIČOVÁ, Lucia - BYSTRICKÝ, Slavomír - PAULOVIČOVÁ, Ema - NIFANTIEV, Nikolay E. Synthesis of a heptasaccharide fragment of the mannan from Candida guilliermondii cell wall and its conjugate with BSA. Lucia Paulovičová, Slavomír Bystrický, Ema Paulovičová, Nikolay E Nifantiev. In Carbohydrate Research, 2009, vol.344, pp.29-35. (1.960 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0008-6215.

Citácie:

1. [1.1] Mallick, A (Mallick, Asadulla); Mallikharjunarao, Y (Mallikharjunarao, Yakkala); Rajasekaran, P (Rajasekaran, Parasuraman); Roy, R (Roy, Rashmi); Vankar, YD (Vankar, Yashwant D.): Au-III-Halide/Phenylacetylene-Catalysed Glycosylations Using 1-O-Acetylfuranoses and Pyranose 1,2-Orthoesters as Glycosyl Donors. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 3 Pages: 579-588, WOS

ADCA309 KARELIN, Alexander A. - TSVETKOV, Yury E. - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - NIFANTIEV, Nikolay E. A blockwise approach to the synthesis of (1→2)-linked oligosaccharides corresponding to fragments of the acid-stable β-mannan from the Candida albicans cell wall. In European Journal of Organic Chemistry, 2016, vol. 2016, p. 1173-1181. (3.068 - IF2015). (2016 - Current Contents). ISSN 1434-193X.

Citácie:

1. [1.1] Orlov, NV (Orlov, N. V.): Rational design of complex molecular structures starting from readily available precursors. In: RUSSIAN CHEMICAL BULLETIN Volume: 65 Issue: 6 Pages: 1418-1440, WOS

ADCA310 KATAPODIS, P. - VRŠANSKÁ, Mária - KEKOS, D. - NERINCKX, W. - BIELY, Peter - CLAEYSSENS, M. - MACRIS, B.J. - CHRISTAKOPOULOS, P. Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of Sporotrichum thermophile. In Carbohydrate Research, 2003, vol. 338, p. 1881-1890. (1.631 - IF2002). (2003 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Sadaf, A (Sadaf, Ayesha); Morya, VK (Morya, Vivek K.); Khare, SK (Khare, S. K.): Applicability of Sporotrichum thermophile xylanase in the in situ saccharification of wheat straw pre-treated with ionic liquids. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 12 Pages: 2090-2096, WOS

2. [1.1] Singh, B (Singh, Bijender): Myceliophthora thermophila syn. Sporotrichum thermophile: a thermophilic mould of biotechnological potential. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 1 Pages: 59-69, WOS

3. [1.1] Singh, B (Singh, Bijender); Pocas-Fonseca, MJ (Pocas-Fonseca, Marcio J.); Johri, BN (Johri, B. N.); Satyanarayana, T (Satyanarayana, Tulasi): Thermophilic molds: Biology and applicationsCRITICAL REVIEWS IN MICROBIOLOGY Volume: 42 Issue: 6 Pages: 985-1006, WOS

4. [1.1] Yu, XH (Yu, Xiaohong); Zhu, XM (Zhu, Xuemei); Lin, XW (Lin, Xinwen); Li, FW (Li, Fengwei); Gu, ZX (Gu, Zhenxin): Effects of Two-stage Controlled pH and Temperature vs. One-step Process for Hemicellulase Biosynthesis and Feruloyl Oligosaccharide Fermentation using Aureobasidium pullulans. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5113-5123, WOS

5. [1.2] Thomas, L., Joseph, A., Singhania, R. R., Patel, A. K., & Pandey, A. (2016). Industrial enzymes: Xylanases. In Current developments in biotechnology and bioengineering: Production, isolation and purification of industrial products (Elsevier, chapter 6, pp. 127-148), SCOPUS

ADCA311 KATRLÍK, Jaroslav - ŠVITEL, Juraj - GEMEINER, Peter - KOŽÁR, Tibor - TKÁČ, Ján. Glycan and lectin microarrays for glycomics and medicinal applications. In Medicinal Research Reviews, 2010, vol. 30, no. 2, p. 394-418. (8.656 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0198-6325.

Citácie:

1. [1.1] Dan, XL (Dan, Xiuli); Liu, WL (Liu, Wenlong); Ng, TB (Ng, Tzi Bun): Development and Applications of Lectins as Biological Tools in Biomedical Research. In: MEDICINAL RESEARCH REVIEWS Volume: 36 Issue: 2 Pages: 221-247, WOS

2. [1.1] Syed, P (Syed, Parvez); Gidwani, K (Gidwani, Kamlesh); Kekki, H (Kekki, Henna); Leivo, J (Leivo, Janne); Pettersson, K (Pettersson, Kim); Lamminmaki, U (Lamminmaki, Urpo): Role of lectin microarrays in cancer diagnosis. In: PROTEOMICS Volume: 16 Issue: 8 Special Issue: SI Pages: 1257-1265, WOS
3. [1.2] Wu, C. Y., & Chang, S. H. (2015). Discoveries and applications of glycan arrays. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 15, pp. 407-424, SCOPUS

ADCA312 KATRLÍK, Jaroslav - MASTIHUBA, Vladimír - VOŠTIAR, I. - ŠEFČOVIČOVÁ, Jana, Blahutová - ŠTEFUCA, V. - GEMEINER, Peter. Amperometric biosensors based on two different enzyme systems and their use for glycerol determination in samples from biotechnological fermentation process. In Analytica Chimica Acta, 2006, vol. 566, p. 11-18. ISSN 0003-2670.

Citácie:
1. [1.1] Vargas, E (Vargas, E.); Ruiz, MA (Ruiz, M. A.); Campuzano, S (Campuzano, S.); de Rivera, GG (Gonzalez de Rivera, G.); Lopez-Colino, F (Lopez-Colino, F.); Reviejo, AJ (Reviejo, A. J.); Pingarron, JM (Pingarron, J. M.): : Implementation of a new integrated D-lactic acid biosensor in a semiautomatic FIA system for the simultaneous determination of lactic acid enantiomers. Application to the analysis of beer samples. In: TALANTA Volume: 152 Pages: 147-154, WOS
2. [1.1] Vargas, E (Vargas, E.); Ruiz, MA (Ruiz, M. A.); Ferrero, FJ (Ferrero, F. J.); Campuzano, S (Campuzano, S.); Montiel, VRV (Ruiz-Valdepenas Montiel, V.); Reviejo, AJ (Reviejo, A. J.); Pingarron, JM (Pingarron, J. M.): Automatic bionalyzer using an integrated amperometric biosensor for the determination of L-malic acid in wines. In: TALANTA Volume: 158 Pages: 6-13, WOS

ADCA313 KATRLÍK, Jaroslav - VOŠTIAR, I. - ŠEFČOVIČOVÁ, Jana, Blahutová - TKÁČ, Ján - MASTIHUBA, Vladimír - VALACH, M. - ŠTEFUCA, V. - GEMEINER, Peter. A novel microbial biosensor based on cells of Gluconobacter oxydans for the selective determination of 1,3-propanediol in the presence of glycerol and ots application to bioprocess monitoring. In Analytical and Bioanalytical Chemistry, 2007, vol. 338, p.287-295. ISSN 1618-2642.

Citácie:
1. [1.1] Hejna, A (Hejna, Aleksander); Kosmela, P (Kosmela, Paulina); Formela, K (Formela, Krzysztof); Piszczyk, L (Piszczyk, Lukasz); Haponiuk, JT (Haponiuk, Jozef T.): Potential applications of crude glycerol in polymer technology Current state and perspectives. In: RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 66 Pages: 449-475, WOS
2. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS

ADCA314 KEIL, B. - ZIKÁN, T. - REXOVÁ, Ľ. - ŠORM, F. On proteins. LXXIV. Hydrogenation of aromatic amino acids in peptides. In Collection of Czechoslovak Chemical Communications, 1962, vol. 278, p. 1678-1686. ISSN 0010-0765.

Citácie:
1. [1.1] Simona, BR (Simona, Benjamin R.); Brunisholz, RA (Brunisholz, Rene A.); Morhard, R (Morhard, Robert); Hunziker, P (Hunziker, Peter); Voros, J (Voeroes, Janos): Coagulation at the Blood-Electrode Interface: The Role of Electrochemical Desorption and Degradation of Fibrinogen. In: LANGMUIR Volume: 30 Issue: 24 Pages: 7227-7234, WOS

ADCA315 KÉRY, V. - KREPINSKY, J.F. - WARREN, Ch.D. - CAPEK, Peter - STAHL, P.D. Ligand Recognition by Purified Human Mannose Receptor. In Archives of Biochemistry and Biophysics, 1992, vol. 298, no. 1, p. 49-55.

Citácie:
1. [1.1] Saikia, T (Saikia, Tinku); Mahto, V (Mahto, Vikas): Experimental investigations of clathrate hydrate inhibition in water based drilling fluid using green inhibitor. In: JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING Volume: 147 Pages: 647-653, WOS

ADCA316 KLAUDINY, Jaroslav - ALBERT, Š. - BACHANOVÁ, K. - KOPERNICKÝ, J. - ŠIMÚTH, Jozef. Two structurally different defensin genes, one of them encoding a novel defensin isoform, are expressed in honeybee Apis mellifera. In Insect Biochemistry and Molecular Biology, 2005, vol. 35, p. 11-22. (2005 - Current Contents). ISSN 0965-1748.

Citácie:
1. [1.1] Alberoni, D (Alberoni, Daniele); Gaggia, F (Gaggia, Francesca); Baffoni, L (Baffoni, Loredana); Di Gioia, D (Di Gioia, Diana): Beneficial microorganisms for honey bees: problems and progresses, WOS
2. [1.1] Evison, SEF (Evison, Sophie E. F.); Fazio, G (Fazio, Geraldine); Chappell, P (Chappell, Paula); Foley, K (Foley, Kirsten); Jensen, AB (Jensen, Annette B.); Hughes, WOH (Hughes,

William O. H.): Innate expression of antimicrobial peptides does not explain genotypic diversity in resistance to fungal brood parasites in the honey bee. In: APIDOLOGIE Volume: 47 Issue: 2 Pages: 206-215, WOS
3. [1.1] Polykretis, P (Polykretis, P.); Delfino, G (Delfino, G.); Petrocelli, I (Petrocelli, I.); Cervo, R (Cervo, R.); Tanteri, G (Tanteri, G.); Montori, G (Montori, G.); Perito, B (Perito, B.); Branca, JJV (Branca, J. J. V.); Morucci, G (Morucci, G.); Gulisano, M (Gulisano, M.): Evidence of immunocompetence reduction induced by cadmium exposure in honey bees (Apis mellifera). In: ENVIRONMENTAL POLLUTION Volume: 218 Pages: 826-834, WOS
4. [1.1] Valachova, I (Valachova, Ivana); Bucekova, M (Bucekova, Marcela); Majtan, J (Majtan, Juraj): Quantification of Bee-Derived Peptide Defensin-1 in Honey by Competitive Enzyme-Linked Immunosorbent Assay, a New Approach in Honey Quality Control. In: CZECH JOURNAL OF FOOD SCIENCES Volume: 34 Issue: 3 Pages: 233-243, WOS
5. [1.2] Ramón-Sierra, J. M., Magaña-Ortiz, D. I., Ruiz-Ruiz, J. C., & Ortiz-Vázquez, E. (2016). Antimicrobial activity of protein extracted from melipona beecheii honey. In Stingless bee's honey from yucatan: Culture, traditional uses and nutraceutical potential (Nova Science Publishers, chapter 8, pp. 135-146), SCOPUS

ADCA317 KLAUDINY, Jaroslav - HANES, J. - KULIFAJOVA, J. - ALBERT, Š. - ŠIMÚTH, Jozef. Molecular cloning of of two cDNAs from the head of the nurse honey bee (Apis Mellifera L.) for coding related prooteins of royal jelly. In Journal of Apicultural Research, 1994, vol. 33, p. 105-111. ISSN 0021-8839.

Citácie:
1. [1.1] Ostrovski-Tomporoski, K (Ostrovski-Tomporoski, Katia); Faquinello, P (Faquinello, Patricia); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Ruvolo-Takasusuki, MC (Ruvolo-Takasusuki, Maria Claudia); Santos, PD (Santos, Pedro da Rosa); de Toledo, VA (de Toledo, Vagner Arnaut): Breeding Program Design Principles for Royal Jelly. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 39-62, WOS
2. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS

ADCA318 KLUG-SANTNER, B.G. - SCHNITZHOFER, W. - VRŠANSKÁ, Mária - WEBER, J. - AGRAWAL, P.B. - NIERSTRASZ, V.A. - GUEBITZ, G.M. Purification and characterization of a new bioscouring pectate lyase from Bacillus pumilus BK2. In Journal of Biotechnology, 2006, vol. 121, p. 390-401. ISSN 0168-1656.

Citácie:
1. [1.1] Garg, G (Garg, G.); Singh, A (Singh, A.); Kaur, A (Kaur, A.); Singh, R (Singh, R.); Kaur, J (Kaur, J.); Mahajan, R (Mahajan, R.): Microbial pectinases: an ecofriendly tool of nature for industries. In: 3 BIOTECH Volume: 6 Article Number: 47, WOS
2. [1.1] Kumar, G. Praveen; Suneetha, V.: Characterization of Pectin lyase and Polygalacturonase from Novel Bacillus cereus GS-2 isolated from Chittoor and Vellore Fruit Industrial Dump Sites by SEM, 16SrRNA Sequencing, Ion-exchange, SDS and HPLC Analysis. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 1 Pages: 741-749, WOS
3. [1.1] Mihaela, D (Mihaela, Dochia); Simona, G (Simona, Gavrilas); Monica, P (Monica, Pustianu); Daniel, T (Daniel, Tomescu); Maria, CD (Maria, Copolovici Dana): COMPARATIVE STUDY REGARDING THE INFLUENCE OF THE COMPLEXING AGENTS EDTA AND SODIUM CITRATE ON THE 50% FLAX-50% COTTON FABRICS DURING THE BIOSCOURING TREATMENT. In: NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL III Book Series Title: International Multidisciplinary Scientific GeoConference-SGEM Pages: 223-230, WOS
4. [1.1] Usman, M (Usman, M.); Adeel, S (Adeel, S.); Haider, W (Haider, W.); Ghaffar, A (Ghaffar, A.); Rehman, F (Rehman, F.); Ali, M (Ali, M.): Dyeing of Biotreated and Gamma Irradiated Cotton Fabric using Direct Yellow 12 and Direct Yellow 27. In: JOURNAL OF NATURAL FIBERS Volume: 13 Issue: 4 Pages: 483-491, WOS
5. [1.1] Wang, C (Wang, Chao); Yu, SQ (Yu, Shiqiang); Song, T (Song, Ting); He, TT (He, Tingting); Shao, HH (Shao, Huanhuan); Wang, HY (Wang, Haiyan): Extracellular Proteome Profiling of Bacillus pumilus SCU11 Producing Alkaline Protease for Dehairing. In: JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY Volume: 26 Issue: 11 Pages: 1993-2005, WOS
6. [1.2] Chakraborty, S., Rani, A., Dhillon, A., & Goyal, A. (2016). Polysaccharide lyases. In Current developments in biotechnology and bioengineering: Production, isolation and purification of industrial products (Elsevier, chapter 23, pp. 527-539), SCOPUS

ADCA319 KĽUKOVÁ, Ľudmila - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Nanoscale-controlled

architecture for the development of ultrasensitive lectin biosensors applicable in glycomics. In Analytical Methods, 2014, vol. 6, p. 4922-4931. (1.938 - IF2013). (2014 - Current Contents). ISSN 1759-9660.

Citácie:

1. [1.1] ANIK, U. - TIMUR, S. Towards the electrochemical diagnosis of cancer: nanomaterial-based immunosensors and cytosensors. In RSC Advances. ISSN 2046-2069, 2016, vol. 6, no. 113, p. 111831-111841., WOS

2. [1.1] GERLACH, J.Q. - KILCOYNE, M. - JOSHI, L. APPLICATIONS OF NANOTECHNOLOGY IN ARRAY-BASED CARBOHYDRATE ANALYSIS AND PROFILING. In CARBOHYDRATE NANOTECHNOLOGY. 2016, p. 267-283., WOS

3. [1.1] SEDIVA, A. - KATRLIK, J. Determination of Glycosylation by Lectin Biochips and Biosensors Based on Surface Plasmon Resonance. In CHEMICKE LISTY. ISSN 0009-2770, DEC 2016, vol. 110, no. 12, p. 842-850., WOS

4. [1.1] SILVA, P.M.S. - LIMA, A.L.R. - SILVA, B.V.M. - COELHO, L.C.B.B. - DUTRA, R.F. - CORREIA, M.T.S. Cratylia mollis lectin nanoelectrode for differential diagnostic of prostate cancer and benign prostatic hyperplasia based on label-free detection. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, NOV 15 2016, vol. 85, p. 171-177., WOS

ADCA320 KLUKOVÁ, Ľudmila, Belická - FILIP, Jaroslav - BELICKÝ, Štefan - VIKARTOVSKÁ, Alica, Welwardová - TKÁČ, Ján. Graphene oxide-based electrochemical label-free detection of glycoproteins down to aM level using a lectin biosensor. In Analyst, 2016, vol. 141, p. 4278-4282. (4.033 - IF2015). (2016 - Current Contents). ISSN 0003-2654.

Citácie:

1. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS

ADCA321 KOCKOVÁ-KRATOCHVÍLOVÁ, A. - ONDRUŠOVÁ, D. Torulopsisarten aus den Oberflachen höherer Pilze. Torulopsis kruisii n. sp. und Torulopsis schatavii n. sp. In Biológia, 1971, p. 477-485, vol. 26. ISSN 0006-3088.

Citácie:

1. [1.1] Kurtzman, CP (Kurtzman, Cletus P.); Robnett, CJ (Robnett, Christie J.); Blackwell, M (Blackwell, Meredith): Description of Teunomyces gen. nov for the Candida kruisii clade, Suhomyces gen. nov for the Candida tanzawaensis clade and Suhomyces kilbournensis sp nov.. In: FEMS YEAST RESEARCH Volume: 16 Issue: 5 Article Number: fow041, WOS

ADCA322 KOGAN, Grigorij - JANN, B. - JANN, K. Structure of the Escherichia coli 0104 polysaccharide and its identity with the capsular K9 polysaccharide. In FEMS Microbiology Letters, 1992, vol. 91, p. 135-140. (1992 - Current Contents). ISSN 0378-1097.

Citácie:

1. [1.1] Hamm, K (Hamm, K.); Barth, SA (Barth, S. A.); Stalb, S (Stalb, S.); Geue, L (Geue, L.); Liebler-Tenorio, E (Liebler-Tenorio, E.); Teifke, JP (Teifke, J. P.); Lange, E (Lange, E.); Tauscher, K (Tauscher, K.); Kotterba, G (Kotterba, G.); Bielaszewska, M (Bielaszewska, M.); Karch, H (Karch, H.); Menge, C (Menge, C.): Experimental Infection of Calves with Escherichia coli O104:H4 outbreak strain. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 32812, WOS

2. [1.1] Shashkov, AS (Shashkov, Alexander S.); Yang, BP (Yang, Baopeng); Senchenkova, SN (Senchenkova, Sofya N.); Perepelov, AV (Perepelov, Andrei V.); Liu, B (Liu, Bin); Knirel, YA (Knirel, Yuriy A.): Structures and genetics of biosynthesis of glycerol 1-phosphate-containing O-polysaccharides of Escherichia coli O28ab, O37, and O100. In: CARBOHYDRATE RESEARCH Volume: 426 Pages: 26-32, WOS

ADCA323 KOGAN, Grigorij - SKORIK, Y. A. - ŽITŇANOVÁ, Ingrid - KRIŽKOVÁ, L. - ĎURAČKOVÁ, Zdenka - GOMEZ, C.A.R. - YATLUK, Y.G. - KRAJČOVIČ, J. Antioxidant and antimutagenic activity of N-(2-carboxyethyl) chitosan. In Toxicology and applied pharmacology, 2004, vol. 201, p. 303-310.

Citácie:

1. [1.1] Liu, HL (Liu, Hongli); Liu, XL (Liu, Xiaoli); Yue, L (Yue, Lin); Jiang, QX (Jiang, Qixing); Xia, WS (Xia, Wenshui): Synthesis, characterization and bioactivities of N,O-carbonylated chitosan. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 220-226, WOS

ADCA324 KOGAN, Grigorij - ŠANDULA, Jozef - KOROLENKO, T.A. - FALAMEEVA, O.V. - POTERYAEVA, O.N. - ZHANAEVA, S.Ya. - LEVINA, O.A. - FILATOVA, T.G. - KALEDIN, V.I. Increased efficiency of Lewis lung carcinoma chemotherapy with a macrophage stimulator - yeast carboxymethyl glucan. In International Immunopharmacology, 2002, vol. 2, p. 775-781. ISSN 1567-

5769.

Citácie:

1. [1.1] Vetvicka, V (Vetvicka, Vaclav); Vetvickova, J (Vetvickova, Jana): Addition of Selenium Improves Immunomodulative Effects of Glucan. In: NORTH AMERICAN JOURNAL OF MEDICAL SCIENCES Volume: 8 Issue: 2 Pages: 88-92, WOS

ADCA325 KOGAN, Grigorij - SADOVSKAYA, I. - CHAIGNON, P. - CHOKR, A. - JABBOURI, S. Biofilms of clinical strains of Staphylococcus that do not contain polysaccharide intercellular adhesin. In FEMS Microbiology Letters, 2006, vol. 255, p. 11-16. (2.040 - IF2005). (2006 - Current Contents). ISSN 0378-1097.

Citácie:

1. [1.1] Batoni, G (Batoni, Giovanna); Maisetta, G (Maisetta, Giuseppantonio); Esin, S (Esin, Semih): Antimicrobial peptides and their interaction with biofilms of medically relevant bacteriam. In: BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1858 Issue: 5 Special Issue: SI Pages: 1044-1060, WOS

2. [1.1] Fagerlund, A (Fagerlund, Annette); Langsrud, S (Langsrud, Solveig); Heir, E (Heir, Even); Mikkelsen, MI (Mikkelsen, Maria I.); Moretro, T (Moretro, Trond): Biofilm Matrix Composition Affects the Susceptibility of Food Associated Staphylococci to Cleaning and Disinfection Agents. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 856, WOS

3. [1.1] Maisetta, G (Maisetta, Giuseppantonio); Grassi, L (Grassi, Lucia); Di Luca, M (Di Luca, Mariagrazia); Bombardelli, S (Bombardelli, Silvia); Medici, C (Medici, Chiara); Brancatisano, FL (Brancatisano, Franca Lisa); Esin, S (Esin, Semih); Batoni, G (Batoni, Giovanna): Anti-biofilm properties of the antimicrobial peptide temporin 1Tb and its ability, in combination with EDTA, to eradicate Staphylococcus epidermidis biofilms on silicone catheters. In: BIOFOULING Volume: 32 Issue: 7 Pages: 787-800, WOS

4. [1.1] Oniciuc, EA (Oniciuc, Elena-Alexandra); Cerca, N (Cerca, Nuno); Nicolau, AI (Nicolau, Anca I.): Compositional Analysis of Biofilms Formed by Staphylococcus aureus Isolated from Food Sources. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 390, WOS

5. [1.1] Schaeffer, CR (Schaeffer, Carolyn R.); Hoang, TMN (Hoang, Tra-My N.); Sudbeck, CM (Sudbeck, Craig M.); Alawi, M (Alawi, Malik); Tolo, IE (Tolo, Isaiah E.); Robinson, DA (Robinson, D. Ashley); Horswill, AR (Horswill, Alexander R.); Rohde, H (Rohde, Holger); Fey, PD (Fey, Paul D.): Versatility of Biofilm Matrix Molecules in Staphylococcus epidermidis Clinical Isolates and Importance of Polysaccharide Intercellular Adhesin Expression during High Shear Stress. In: MSPHERE Volume: 1 Issue: 5 Article Number: e00165-16, WOS

6. [1.2] Vázquez-Sánchez, D. (2016). Effect of environmental conditions present in the fishery industry on the biofilm-forming ability of staphylococcus aureus. In Stress and environmental regulation of gene expression and adaptation in bacteria (John Wiley & Sons, chapter 22.7, pp. 1304-1309), SCOPUS

ADCA326 KOGAN, Grigorij - PAVLIAK, V. - MASLER, Ladislav. Structural studies of mannans from the cell walls of the pathogenic yeasts Candida albicans serotype A and B, and Vandida parapsilosis. In Carbohydrate Research, 1988, vol. 172, p. 243-253. ISSN 0008-6215.

Citácie:

1. [1.1] Cimmino, A (Cimmino, Alessio); Cinelli, T (Cinelli, Tamara); Evidente, M (Evidente, Marco); Masi, M (Masi, Marco); Mugnai, L (Mugnai, Laura); Silva, MA (Silva, Marcondes A.); Michereff, SJ (Michereff, Sami J.); Surico, G (Surico, Giuseppe); Evidente, A (Evidente, Antonio): Phytotoxic Fungal Exopolysaccharides Produced by Fungi Involved in Grapevine Trunk Diseases. In: NATURAL PRODUCT COMMUNICATIONS Volume: 11 Issue: 10 Special Issue: SI Pages: 1481-1484, WOS

ADCA327 KOGAN, Grigorij - KOCHER, A. Role of yeast cell wall polysaccharides in pig nutrition and health protection. In Livestock Science, 2007, vol. 109, p. 161-165. ISSN 1871-1413.

Citácie:

1. [1.1] Borchani, C (Borchani, Chema); Fonteyn, F (Fonteyn, Fabienne); Jamin, G (Jamin, Guilhem); Paquot, M (Paquot, Michel); Thonart, P (Thonart, Philippe); Blecker, C (Blecker, Christophe): Physical, functional and structural characterization of the cell wall fractions from baker's yeast Saccharomyces cerevisiae. In: FOOD CHEMISTRY Volume: 194 Pages: 1149-1155, WOS

2. [1.1] Brufau, MT (Brufau, M. Teresa); Campo-Sabariz, J (Campo-Sabariz, Joan); Bou, R (Bou, Ricard); Carne, S (Carne, Sergi); Brufau, J (Brufau, Joaquim); Vila, B (Vila, Borja); Marques, AM (Marques, Ana M.); Guardiola, F (Guardiola, Francesc); Ferrer, R (Ferrer, Ruth); Martin-Venegas, R (Martin-Venegas, Raquel): Salmosan, a beta-Galactomannan-Rich Product, Protects Epithelial Barrier Function in Caco-2 Cells Infected by Salmonella enterica Serovar Enteritidis. In: JOURNAL OF NUTRITION Volume: 146 Issue: 8 Pages: 1492-1498, WOS

3. [1.1] Chen, WY (Chen, Wenyan); Lin, SM (Lin, Shimei); Li, FJ (Li, Fajian); Mao, SH (Mao,

Shuhong): Effects of dietary mannanase on growth, metabolism and non-specific immunity of Tilapia (Oreochromis niloticus). In: AQUACULTURE RESEARCH Volume: 47 Issue: 9 Pages: 2835-2843, WOS
4. [1.1] Duan, XD (Duan, X. D.); Chen, DW (Chen, D. W.); Zheng, P (Zheng, P.); Tian, G (Tian, G.); Wang, JP (Wang, J. P.); Mao, XB (Mao, X. B.); Yu, J (Yu, J.); He, J (He, J.); Li, B (Li, B.); Huang, ZQ (Huang, Z. Q.); Ao, ZG (Ao, Z. G.); Yu, B (Yu, B.): Effects of dietary mannan oligosaccharide supplementation on performance and immune response of sows and their offspring. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 218 Pages: 17-25, WOS
5. [1.1] Lemos, Marina Jorge de; Calixto, Lígia Fátima Lima; Torres-Cordido, Karoll Andrea Alfonso; Reis, Túlio Leite: Uso de aditivo alimentar equilibrador da flora intestinal em aves de corte e de postura. In: Arquivos do Instituto Biológico Volume: 83 Issue: 0, WOS
6. [1.1] Li, XH (Li, X. H.); Chen, YP (Chen, Y. P.); Cheng, YF (Cheng, Y. F.); Yang, WL (Yang, W. L.); Wen, C (Wen, C.); Zhou, YM (Zhou, Y. M.): Effect of yeast cell wall powder with different particle sizes on the growth performance, serum metabolites, immunity and oxidative status of broilers. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 212 Pages: 81-89, WOS
7. [1.1] Salamati, S (Salamati, S.); Martins, C (Martins, C.); Kulseng, B (Kulseng, B.): Baker's yeast (Saccharomyces cerevisiae) antigen in obese and normal weight subjects. In: CLINICAL OBESITY Volume: 5 Issue: 1 Pages: 42-47, WOS
8. [1.1] Shang, QH (Shang, Q. H.); Yang, ZB (Yang, Z. B.); Yang, WR (Yang, W. R.); Li, Z (Li, Z.); Zhang, GG (Zhang, G. G.); Jiang, SZ (Jiang, S. Z.). In: Toxicity of Mycotoxins from Contaminated Corn with or without Yeast Cell Wall Adsorbent on Broiler Chickens. In: ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES Volume: 29 Issue: 5 Pages: 674-680, WOS
9. [1.1] Simion, AI (Simion, Andrei I.); Manea, L (Manea, Livia); Grigoras, CG (Grigoras, Cristina-Gabriela); Favier-Teodorescu, L (Favier-Teodorescu, Lidia); Gavrila, L (Gavrila, Lucian): IMPROVING THE NUTRITIONAL QUALITY OF FODDER YEASTS BY ADDING MINERALS. In: : ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1009-1017, WOS
10. [1.1] Sweeney, T (Sweeney, T.); O'Doherty, JV (O'Doherty, J. V.): Marine macroalgal extracts to maintain gut homeostasis in the weaning piglet. In: DOMESTIC ANIMAL ENDOCRINOLOGY Volume: 56 Special Issue: SI Pages: S84-S89, WOS
11. [1.1] Valpotic, H (Valpotic, Hrvoje); Samardzija, M (Samardzija, Marko); Terzic, S (Terzic, Svjetlana); Vince, S (Vince, Silvijo); Speranda, M (Speranda, Marcela); Lackovic, G (Lackovic, Gordana); Habrun, B (Habrun, Boris); Mas, N (Mas, Nora); Duricic, D (Duricic, Drazen); Kocila, P (Kocila, Predrag); Markovic, F (Markovic, Franjo); Valpotic, I (Valpotic, Ivica): Effect of mannan oligosaccharide supplementation on blood and intestinal immune cells, bacteria numbers and performance in weaned pigs. In: ACTA VETERINARIA BRNO Volume: 85 Issue: 3 Pages: 267-+, WOS
12. [1.1] Waititu, SM (Waititu, S. M.); Heo, JM (Heo, J. M.); Patterson, R (Patterson, R.); Nyachoti, CM (Nyachoti, C. M.): Dietary yeast-based nucleotides as an alternative to in-feed antibiotics in promoting growth performance and nutrient utilization in weaned pigs. In: CANADIAN JOURNAL OF ANIMAL SCIENCE Volume: 96 Issue: 3 Pages: 289-293, WOS
13. [1.1] Waititu, SM (Waititu, Samuel M.); Yin, F (Yin, Fugui); Patterson, R (Patterson, Rob); Rodriguez-Lecompte, JC (Rodriguez-Lecompte, Juan C.); Nyachoti, CM (Nyachoti, Charles M.): Short-term effect of supplemental yeast extract without or with feed enzymes on growth performance, immune status and gut structure of weaned pigs challenged with Escherichia coli lipopolysaccharide. In: JOURNAL OF ANIMAL SCIENCE AND BIOTECHNOLOGY Volume: 7 Article Number: 64, WOS
14. [1.1] Yang, HS (Yang, Huan-sheng); Wu, F (Wu, Fei); Long, LN (Long, Li-na); Li, TJ (Li, Tie-jun); Xiong, X (Xiong, Xia); Liao, P (Liao, Peng); Liu, HN (Liu, Hong-nan); Yin, YL (Yin, Yu-long): Effects of yeast products on the intestinal morphology, barrier function, cytokine expression, and antioxidant system of weaned piglets. In: JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B Volume: 17 Issue: 10 Pages: 752-762, WOS
15. [1.2] Abdolshahi, A., Yazdi, F. T., Shabani, A. A., Mortazavi, S. A., & Nafchi, A. M. (2016). Antifungal properties of gelatin-based coating containing mannoprotein from saccharomyces cerevisiae on aspergillus flavus growth in pistachio. Journal of Mazandaran University of Medical Sciences, 26(139), 93-102, SCOPUS
16. [1.2] Kanagaraju, P., & Subramanian, A. (2016). Effect of mannan oligosaccharides (MOS) on the growth performance of japanese quails. Indian Veterinary Journal, 93(6), 11-13., SCOPUS
17. [1.2] Sun, Y., Park, I., Guo, J., Weaver, A. C., & Kim, S. W. (2015). Impacts of low level aflatoxin in feed and the use of modified yeast cell wall extract on growth and health of nursery pigs. Animal Nutrition, 1(3), 177-183, SCOPUS
18. [1.2] Thompson, A. J., Ribeiro, F. R. B., Burson, W. C., Jennings, M. A., Hosford, A. D., Hergenreder, J. E., Corley, J. R., Johnson, B. J. (2016). Effect of vitamin D2 enriched yeast cell

wall supplementation on growth performance, carcass characteristics, and postmortem tenderness in feedlot steers finished with zilpaterol hydrochloride. Professional Animal Scientist, 32(4), 411-419, SCOPUS
19. [1.2] Vonthron-Sénécheau, C. (2016). Medicinal properties: Antibiotic, tonic, and antiparasitic properties. In Seaweed in health and disease prevention (Academic Press, chapter 11, pp. 369-388), SCOPUS
20. [1.2] Waititu, S. M., Heo, J. M., Patterson, R., & Nyachoti, C. M. (2015). Dose-response effects of in-feed antibiotics on growth performance and nutrient utilization in weaned pigs fed diets supplemented with yeast-based nucleotides. Animal Nutrition, 1(3), 166-169, SCOPUS

ADCA328 KOGAN, Grigorij - PAJTINKA, Martin - BABINCOVÁ, M. - MIADOKOVÁ, Eva - RAUKO, Peter - SLAMEŇOVÁ, Darina - KOROLENKO, T.A. Yeast cell wall polysaccharides as antioxidants and antimutagens: Can they fight cancer? In Neoplasma, 2008, vol. 55, p. 387-393. (1.208 - IF2007). (2008 - Current Contents). ISSN 0028-2685.

Citácie:

1. [1.1] Freitas, F (Freitas, Filomena); Roca, C (Roca, Christophe); Reis, MAM (Reis, Maria A. M.): Fungi as Sources of Polysaccharides for Pharmaceutical and Biomedical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3, BIODEGRADABLE POLYMERS Pages: 61-103, WOS
2. [1.1] Han, M (Han, Mei); Du, C (Du, Chao); Xu, ZY (Xu, Zhi-Yuan); Qian, H (Qian, He); Zhang, WG (Zhang, Wei-Guo): Rheological properties of phosphorylated exopolysaccharide produced by Sporidiobolus pararoseus JD-2. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 88 Pages: 603-613, WOS
3. [1.1] Han, M (Han, Mei); Xu, ZY (Xu, Zhi-yuan); Du, C (Du, Chao); Qian, H (Qian, He); Zhang, WG (Zhang, Wei-Guo): Effects of nitrogen on the lipid and carotenoid accumulation of oleaginous yeast Sporidiobolus pararoseus. In: BIOPROCESS AND BIOSYSTEMS ENGINEERING Volume: 39 Issue: 9 Pages: 1425-1433, WOS
4. [1.1] Qi, GX (Qi, Gao-Xiang); Huang, C (Huang, Chao); Chen, XF (Chen, Xue-Fang); Xiong, L (Xiong, Lian); Wang, C (Wang, Can); Lin, XQ (Lin, Xiao-Qing); Shi, SL (Shi, Si-Lan); Yang, D (Yang, Dan); Chen, XD (Chen, Xin-De): Semi-pilot Scale Microbial Oil Production by Trichosporon cutaneum Using Medium Containing Corncob Acid Hydrolysate. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 179 Issue: 4 Pages: 625-632, WOS
5. [1.1] Rapoport, A (Rapoport, Alexander); Turchetti, B (Turchetti, Benedetta); Buzzini, P (Buzzini, Pietro): Application of anhydrobiosis and dehydration of yeasts for non-conventional biotechnological goals. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 6 Article Number: 104, WOS
6. [1.2] Abdolshahi, A., Yazdi, F. T., Shabani, A. A., Mortazavi, S. A., & Nafchi, A. M. (2016). Antifungal properties of gelatin-based coating containing mannoprotein from saccharomyces cerevisiae on aspergillus flavus growth in pistachio. Journal of Mazandaran University of Medical Sciences, 26(139), 93-102., SCOPUS
7. [1.2] Shituleni, S. A., Gan, F., Nido, S. A., Mengistu, B. M., Khan, A. Z., Liu, Y., & Huang, K. (2016). Effects of yeast polysaccharide on biochemical indices, antioxidant status, histopathological lesions and genetic expressions related with lipid metabolism in mice fed with high fat diet. Bioactive Carbohydrates and Dietary Fibre, 8(2), 51-57, SCOPUS

ADCA329 KOGAN, Grigorij - PAVLIAK, Viliam - ŠANDULA, Jozef - MASLER, Ladislav. Novel structure of the cellular mannan of the pathogenic yeast Candida krusei. In Carbohydrate Research, 1988, vol. 184, p.171-182. ISSN 0008-6215.

Citácie:

1. [1.1] Cimmino, A (Cimmino, Alessio); Cinelli, T (Cinelli, Tamara); Evidente, M (Evidente, Marco); Masi, M (Masi, Marco); Mugnai, L (Mugnai, Laura); Silva, MA (Silva, Marcondes A.); Michereff, SJ (Michereff, Sami J.); Surico, G (Surico, Giuseppe); Evidente, A (Evidente, Antonio): Phytotoxic Fungal Exopolysaccharides Produced by Fungi Involved in Grapevine Trunk Diseases. In: NATURAL PRODUCT COMMUNICATIONS Volume: 11 Issue: 10 Special Issue: SI Pages: 1481-1484, WOS

ADCA330 KOGAN, Grigorij - ALFOLDI, Juraj - MASLER, Ladislav. C-13-NMR spectroscopic investigation of 2 yeas-cell wall beta-D-glucans. In Biopolymers, 1988, vol. 27, p. 1055-1063. ISSN 0006-3525.

Citácie:

1. [1.1] Paulovicova, E (Paulovicova, Ema); Paulovicova, L (Paulovicova, Lucia); Pilisiova, R (Pilisiova, Ruzena); Jancinova, V (Jancinova, Viera); Yashunsky, DV (Yashunsky, Dmitry V.); Karelin, AA (Karelin, Alexander A.); Tsvetkov, YE (Tsvetkov, Yury E.); Nifantiev, NE (Nifantiev, Nikolay E.): The evaluation of beta-(1 -> 3)-nonaglucoside as an anti-Candida albicans immune response inducer. In: CELLULAR MICROBIOLOGY Volume: 18 Issue: 9 Special Issue: SI Pages: 1294-1307, WOS

ADCA331 KOGAN, Grigorij - UHRÍN, D. - BRISSON, J.R. - JENNIGS, H.J. Structural basis of the Neisseria

meningitidis immunotypes including the L4 and L7 immunotypes. In Carbohydrate Research, 1997, vol. 298, p. 191-199. (1997 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Phillips, NJ (Phillips, Nancy J.); John, CM (John, Constance M.); Jarvis, GA (Jarvis, Gary A.): Analysis of Bacterial Lipooligosaccharides by MALDI-TOF MS with Traveling Wave Ion Mobility, In: JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY Volume: 27 Issue: 7 Pages: 1263-1276, WOS

ADCA332 KOGAN, Grigorij - STAŠKO, Andrej - BAUEROVÁ, Katarína - POLOVKA, Martin - ŠOLTÉS, Ladislav - BREZOVÁ, Vlasta - NAVAROVÁ, Jana - MIHALOVÁ, Danica. Antioxidant properties of yeast (1-3) - ß - D -glucan studied by electron paramagnetic resonance spectroscopy and its activity in the adjuvant arthritis. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides. - Oxford : Elsevier, 2005, vol. 61, no. 1, p. 18-28. (1.710 - IF2004). (2005 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] BRACHT, A. - SILVEIRA, S.S. - CASTRO-GHIZONI, C.V. - SA-NAKANISHI, A.B. - OLIVEIRA, M.R.N. - BERSANI-AMADO, C.A. - PERALTA, R.M. - COMAR, J.F. Oxidative changes in the blood and serum albumin differentiate rats with monoarthritis and polyarthritis. In SPRINGERPLUS. ISSN 2193-1801, 2016, vol. 5, no. 1, p. 1-14, article number 36., WOS

2. [1.1] LIU, H.Z. - LI, Y.N. - GAO, J. - SHI, A.M. - LIU, L. - HU, H. - PUTRI, N. - YU, H.W. - FAN, W. - WANG, Q. Effects of microfluidization with ionic liquids on the solubilization and structure of beta-D-glucan. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2016, vol. 84, p. 394-401., WOS

3. [1.1] PHAM-HOANG, B.N. - VOILLEY, A. - WACHE, Y. Molecule structural factors influencing the loading of flavoring compounds in a natural-preformed capsule: Yeast cells. In COLLOIDS AND SURFACES B-BIOINTERFACES. ISSN 0927-7765, 2016, vol. 148, p. 220-228., WOS

4. [1.1] YANG, H.S. - WU, F. - LONG, L.N. - LI, T.J. - XIONG, X. - LIAO, P. - LIU, H.N. - YIN, Y.L. Effects of yeast products on the intestinal morphology, barrier function, cytokine expression, and antioxidant system of weaned piglets. In JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B. ISSN 1673-1581, 2016, vol. 17, no. 10, p. 752-762., WOS

5. [1.1] ZHU, F.M. - DU, B. - XU, B.J. A critical review on production and industrial applications of beta-glucans. In FOOD HYDROCOLLOIDS. ISSN 0268-005X, 2016, vol. 52, p. 275-288., WOS

ADCA333 KOGAN, Grigorij - ŠOLTÉS, Ladislav - STERN, Robert - GEMEINER, Peter. Hyaluronic acid: a natural biopolymer with a broad range of biomedical and industrial applications. In Biotechnology Letters, 2007, vol. 29, no. 1, p. 17-25. (1.134 - IF2006). (2007 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] AMADO, I.R. - VAZQUEZ, J.A. - PASTRANA, L. - TEIXEIRA, J.A. Cheese whey: A cost-effective alternative for hyaluronic acid production by Streptococcus zooepidemicus. In FOOD CHEMISTRY. ISSN 0308-8146, 2016, vol. 198, p. 54-61., WOS

2. [1.1] AMINABHAVI, T.M. - DESHMUKH, A.S. Polysaccharide-Based Hydrogels as Biomaterials. In POLYMERIC HYDROGELS AS SMART BIOMATERIALS. ISSN 2364-1878, 2016, p. 45-71., WOS

3. [1.1] BAE, M.S. - KO, N.R. - LEE, S.J. - LEE, J.B. - HEO, D.N. - BYUN, W. - CHOI, B.-J. - JEON, H.B. - JANG, H.-J. - AHN, J.-Y. - HWANG, D.-S. - JUNG, B.-Y. - KWON, I.K. Development of novel photopolymerizable hyaluronic acid/heparin-based hydrogel scaffolds with a controlled release of growth factors for enhanced bone regeneration. In MACROMOLECULAR RESEARCH. ISSN 1598-5032, 2016, vol. 24, no. 9, p. 829-837., WOS

4. [1.1] BARBASZ, A. - KRECZMER, B. - DYBA, B. - FILEK, M. - RUDOLPHI-SKORSKA, E. The direct action of hyaluronic acid on human U-937 and HL-60 cells - modification of native and model membranes. In BIOLOGIA. ISSN 0006-3088, 2016, vol. 71, no. 11, p. 1304-1314., WOS

5. [1.1] BASAL, G. - TETIK, G.D. - KURKCU, G. - BAYRAKTAR, O. - GURHAN, I.D. - ATABEY, A. Olive leaf extract loaded silk fibroin/hyaluronic acid nanofiber webs for wound dressing applications. In DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES. ISSN 1842-3582, 2016, vol. 11, no. 4, p. 1113-1123., WOS

6. [1.1] BORZACCHIELLO, A. - RUSSO, L. - ZACCARIA, S. - AMBROSIO, L. Physical and Chemical Hyaluronic Acid Hydrogels and Their Biomedical Applications. In POLYSACCHARIDE HYDROGELS: CHARACTERIZATION AND BIOMEDICAL APPLICATIONS. ISBN 978-981-4613-62-0, 2016, p. 417-447., WOS

7. [1.1] CABRAL, D.G.A. - LIMA, E.C.S. - MOURA, P. - DUTRA, R.F. A label-free electrochemical immunosensor for hepatitis B based on hyaluronic acid-carbon nanotube hybrid film. In TALANTA. ISSN 0039-9140, 2016, vol. 148, p. 209-215., WOS

8. [1.1] CARDOSO, M.J. - COSTA, R.R. - MANO, J.F. Marine origin polysaccharides in drug delivery systems. In MARINE DRUGS, 2016, vol. 14, no. 2, article number 34., WOS

9. [1.1] CHAUDHARI, A.A. - VIG, K. - BAGANIZI, D.R. - SAHU, R. - DIXIT, S. - DENNIS, V. - SINGH, S.R. - PILLAI, S.R. Future prospects for scaffolding methods and biomaterials in skin tissue engineering. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. ISSN 1422-0067, 2016, vol. 17, no. 12, article number 1974., WOS
10. [1.1] CHEN, F.M. - LIU, X. Advancing biomaterials of human origin for tissue engineering. In PROGRESS IN POLYMER SCIENCE. ISSN 0079-6700, 2016, vol. 53, p. 86-168., WOS
11. [1.1] CHEN, K.L. - YEH, Y.Y. - LUNG, J. - YANG, Y.C. - YUAN, K. Mineralization Effect of Hyaluronan on Dental Pulp Cells via CD44. In JOURNAL OF ENDODONTICS. ISSN 0099-2399, 2016, vol. 42, no. 5, p. 711-716., WOS
12. [1.1] D'AMICO, M. - FIORICA, C. - PALUMBO, F.S. - MILITELLO, V. - LEONE, M. - DUBERTRET, B. - PITARRESI, G. - GIAMMONA, G. Uptake of silica covered Quantum Dots into living cells: Long term vitality and morphology study on hyaluronic acid biomaterials. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. ISSN 0928-4931, 2016, vol. 67, p. 231-236., WOS
13. [1.1] DEL HOYO-GALLEGO, S. - PEREZ-ALVAREZ, L. - GOMEZ-GALVAN, F. - LIZUNDIA, E. - KURITKA, I. - SEDLARIK, V. - LAZA, J.M. - VILA-VILELA, J.L. Construction of antibacterial poly(ethylene terephthalate) films via layer by layer assembly of chitosan and hyaluronic acid. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 143, p. 35-43., WOS
14. [1.1] DO NASCIMENTO, M.H.M. - LOMBELLO, C.B. Hyaluronic acid and chitosan based hydrogels for cartilage tissue engeneering. In POLIMEROS-CIENCIA E TECNOLOGIA. ISSN 0104-1428, 2016, vol. 26, no. 4, p. 360-370., WOS
15. [1.1] DYMARSKA, M. - JUROS, W. - JANECZKO, T. - KOSTRZEWA-SUSLOW, E. Hyaluronic acid. Structure, properties and uses. In PRZEMYSL CHEMICZNY. ISSN 0033-2496, 2016, vol. 95, no. 4, p. 814-816., WOS
16. [1.1] DYMARSKA, M. - JUROS, W. - JANECZKO, T. - KOSTRZEWA-SUSLOW, E. Use of biotechnological processes for the production of hyaluronic acid. In PRZEMYSL CHEMICZNY. ISSN 0033-2496, 2016, vol. 95, no. 4, p. 817-819., WOS
17. [1.1] ELSAID, N. - JACKSON, T.L. - ELSAID, Z. - ALQATHANIA, A. - SOMAVARAPU, S. PLGA Microparticles Entrapping Chitosan-Based Nanoparticles for the Ocular Delivery of Ranibizumab. In MOLECULAR PHARMACEUTICS. ISSN 1543-8384, 2016, vol. 13, no. 9, p. 2923-2940., WOS
18. [1.1] ESLAHI, N. - ABDORAHIM, M. - SIMCHI, A. Smart polymeric hydrogels for cartilage tissue engineering: A review on the chemistry and biological functions. In BIOMACROMOLECULES. ISSN 1525-7797, 2016, vol. 17, no. 11, p. 3441-3463., WOS
19. [1.1] FEDERICO, S. - NOCHEL, U. - LOWENBERG, C. - LENDLEIN, A. - NEFFE, A.T. Supramolecular hydrogel networks formed by molecular recognition of collagen and a peptide grafted to hyaluronic acid. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2016, vol. 38, p. 1-10., WOS
20. [1.1] GAGLIARDI, M. Novel biodegradable nanocarriers for enhanced drug delivery. In THERAPEUTIC DELIVERY. ISSN 2041-5990, 2016, vol. 7, no. 12, p. 809-826., WOS
21. [1.1] GARCIA, B. - MERAYO-LLOVES, J. - MARTIN, C. - ALCALDE, I. - QUIROS, L.M. - VAZQUEZ, F. Surface Proteoglycans as Mediators in Bacterial Pathogens Infections. In FRONTIERS IN MICROBIOLOGY. ISSN 1664-302X, 2016, vol. 7, article number 220., WOS
22. [1.1] GRABOWSKA, K. - PODOLAK, I. - GALANTY, A. - ZALUSKI, D. - MAKOWSKA-WAS, J. - SOBOLEWSKA, D. - JANECZKO, Z. - ZMUDZKI, P. In vitro anti-denaturation and anti-hyaluronidase activities of extracts and galactolipids from leaves of Impatiens parviflora DC. In NATURAL PRODUCT RESEARCH. ISSN 1478-6419, 2016, vol. 30, no. 10, p. 1219-1223., WOS
23. [1.1] GROSSUTTI, M. - DUTCHER, J.R. Correlation Between Chain Architecture and Hydration Water Structure in Polysaccharides. In BIOMACROMOLECULES. ISSN 1525-7797, 2016, vol. 17, no. 3, p. 1198-1204., WOS
24. [1.1] HADIDI, M. - BUCKLEY, J.J. - ZYDNEY, A.L. Effect of electrostatic interactions on the ultrafiltration behavior of charged bacterial capsular polysaccharides. In BIOTECHNOLOGY PROGRESS. ISSN 8756-7938, 2016, vol. 32, no. 6, p. 1531-1538., WOS
25. [1.1] HU, D.R. - MEZGHRANI, O. - ZHANG, L. - CHEN, Y. - KE, X. - CI, T.Y. GE11 peptide modified and reduction-responsive hyaluronic acid-based nanoparticles induced higher efficacy of doxorubicin for breast carcinoma therapy. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2016, vol. 11, p. 5125-5147., WOS
26. [1.1] INAGAKI, Y. - FUJIOKA, M. - KANZAKI, S. - WATANABE, K. - OISHI, N. - ITAKURA, G. - YASUDA, A. - SHIBATA, S. - NAKAMURA, M. - OKANO, H.J. - OKANO, H. - OGAWA, K. Sustained Effect of Hyaluronic Acid in Subcutaneous Administration to the Cochlear Spiral Ganglion. In PLOS ONE. ISSN 1932-6203, 2016, vol. 11, no. 4, article number e0153957., WOS
27. [1.1] JIN, P. - KANG, Z. - YUAN, P. - DU, G. - CHEN, J. Production of specific-molecular-

weight hyaluronan by metabolically engineered Bacillus subtilis 168. In METABOLIC ENGINEERING. ISSN 1096-7176, 2016, vol. 35, p. 21-30., WOS
28. [1.1] KAMALY, N. - YAMEEN, B. - WU, J. - FAROKHZAD, O.C. Degradable Controlled-Release Polymers and Polymeric Nanoparticles: Mechanisms of Controlling Drug Release. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 4, SI, p. 2602-2663., WOS
29. [1.1] KELKAR, S.S. - HILL, T.K. - MARINI, F.C. - MOHS, A.M. Near infrared fluorescent nanoparticles based on hyaluronic acid: Self-assembly, optical properties, and cell interaction. In ACTA BIOMATERIALIA. ISSN 1742-7061, MAY 2016, vol. 36, p. 112-121., WOS
30. [1.1] KNOPF-MARQUES, H. - PRAVDA, M. - WOLFOVA, L. - VELEBNY, V. - SCHAAF, P. - VRANA, N.E. - LAVALLE, P. Hyaluronic acid and its derivatives in coating and delivery systems: Applications in tissue engineering, regenerative medicine and immunomodulation. In Advanced Healthcare Materials. ISSN 2192-2640, 2016, vol. 5, no. 22, p. 2841-2855., WOS
31. [1.1] KOH, J.B.Y. - SHEN, X.H. - MARCOS. Theoretical modeling in microscale locomotion. In MICROFLUIDICS AND NANOFLUIDICS. ISSN 1613-4982, 2016, vol. 20, no. 7, article number 98., WOS
32. [1.1] LEE, C. - YANG, H. - KIM, S. - KIM, M. - KANG, H. - KIM, N. - AN, S. - KOH, J. - JUNG, H. Evaluation of the anti-wrinkle effect of an ascorbic acid-loaded dissolving microneedle patch via a double-blind, placebo-controlled clinical study. In INTERNATIONAL JOURNAL OF COSMETIC SCIENCE. ISSN 0142-5463, 2016, vol. 38, no. 4, p. 375-381., WOS
33. [1.1] LEE, J.S. - KIM, S.K. - CHA, J.K. - JUNG, B.J. - CHOI, S.B. - CHOI, E.Y. - KIM, C.S. Novel Technique for Isolating Human Bone Marrow Stem Cells Using Hyaluronic Acid Hydrogel. In TISSUE ENGINEERING PART C-METHODS. ISSN 1937-3384, 2016, vol. 22, no. 10, p. 941-951., WOS
34. [1.1] LEE, M. - KIM, Y. - RYU, J.H. - KIM, K. - HAN, Y.M. - LEE, H. Long-term, feeder-free maintenance of human embryonic stem cells by mussel-inspired adhesive heparin and collagen type I. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2016, vol. 32, p. 138-148., WOS
35. [1.1] LI, Z. - ZHENG, Z. - SU, S. - YU, L. - WANG, X.L. Preparation of a High-Strength Hydrogel with Slidable and Tunable Potential Functionalization Sites. In MACROMOLECULES. ISSN 0024-9297, 2016, vol. 49, no. 1, p. 373-386., WOS
36. [1.1] LV, M.X. - WANG, M. - CAI, W.W. - HAO, W.X. - YUAN, P.H. - KANG, Z. Characterisation of separated end hyaluronan oligosaccharides from leech hyaluronidase and evaluation of angiogenesis. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 142, p. 309-316., WOS
37. [1.1] MCMAHON, S. - KENNEDY, R. - DUFFY, P. - VASQUEZ, J.M. - WALL, J.G. - TAI, H.Y. - WANG, W.X. Poly(ethylene glycol)-based hyperbranched polymer from RAFT and its application as a silver-sulfadiazine-loaded antibacterial hydrogel in wound care. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2016, vol. 8, no. 40, p. 26648-26656., WOS
38. [1.1] MELE, E. Electrospinning of natural polymers for advanced wound care: towards responsive and adaptive dressings. In JOURNAL OF MATERIALS CHEMISTRY B. ISSN 2050-750X, 2016, vol. 4, no. 28, p. 4801-4812., WOS
39. [1.1] MOLLIARD, S.G. - ALBERT, S. - MONDON, K. Key importance of compression properties in the biophysical characteristics of hyaluronic acid soft-tissue fillers. In JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS. ISSN 1751-6161, 2016, vol. 61, p. 290-298., WOS
40. [1.1] NISI, G. - CUOMO, R. - BRANDI, C. - GRIMALDI, L. - SISTI, A. - D'ANIELLO, C. Carbon dioxide therapy and hyaluronic acid for cosmetic correction of the nasolabial folds. In JOURNAL OF COSMETIC DERMATOLOGY. ISSN 1473-2130, 2016, vol. 15, no. 2, p. 169-175., WOS
41. [1.1] PARK, K.L. - MA, W. - HIGAKI, Y. - TAKAHARA, A. Design and characterization of hybrid hydrogels composed of imogolite fibrous nanotubular clay and hyaluronic acid. In POLYMER. ISSN 0032-3861, 2016, vol. 100, p. 238-243., WOS
42. [1.1] PARTLOW, B.P. - APPLEGATE, M.B. - OMENETTO, F.G. - KAPLAN, D.L. Dityrosine cross-linking in designing biomaterials. In ACS BIOMATERIALS SCIENCE & ENGINEERING. ISSN 2373-9878, 2016, vol. 2, no. 12, p. 2108-2121., WOS
43. [1.1] PEREIRA, G.G. - DETONI, C.B. - BALDUCCI, A.G. - RONDELLI, V. - COLOMBO, P. - GUTERRES, S.S. - SONVICO, F. Hyaluronate nanoparticles included in polymer films for the prolonged release of vitamin E for the management of skin wounds. In EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES. ISSN 0928-0987, 2016, vol. 83, p. 203-211., WOS
44. [1.1] PONEDEL'KINA, I.Y. - GASKAROVA, A.R. - KHAYBRAKHMANOVA, E.A. - LUKINA, E.S. - ODINOKOV, V.N. Hyaluronic acid based hydroxamate and conjugates with biologically active amines: In vitro effect on matrix metalloproteinase-2. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 144, p. 17-24., WOS

45. [1.1] PRE, E.D. - CONTI, G. - SBARBATI, A. Hyaluronic acid (HA) scaffolds and multipotent stromal cells (MSCs) in regenerative medicine. In STEM CELL REVIEWS AND REPORTS. ISSN 1550-8943, 2016, vol. 12, no. 6, p. 664-681., WOS
46. [1.1] RAJENDRAN, V. - PUVENDRAN, K. - GURU, B.R. - JAYARAMAN, G. Design of aqueous two-phase systems for purification of hyaluronic acid produced by metabolically engineered Lactococcus lactis. In JOURNAL OF SEPARATION SCIENCE. ISSN 1615-9306, 2016, vol. 39, no. 4, SI, p. 655-662., WOS
47. [1.1] RUSSO, L. - CIPOLLA, L. Glycomics: New Challenges and Opportunities in Regenerative Medicine. In CHEMISTRY-A EUROPEAN JOURNAL. ISSN 0947-6539, 2016, vol. 22, no. 38, p. 13380-13388., WOS
48. [1.1] SALWOWSKA, N.M. - BEBENEK, K.A. - ZADLO, D.A. - WCISLO-DZIADECKA, D.L. Physiochemical properties and application of hyaluronic acid: a systematic review. In JOURNAL OF COSMETIC DERMATOLOGY. ISSN 1473-2130, 2016, vol. 15, no. 4, p. 520-526., WOS
49. [1.1] SCHEUER, C.A. - RAH, M.J. - REINDEL, W.T. Increased concentration of hyaluronan in tears after soaking contact lenses in Biotrue multipurpose solution. In CLINICAL OPHTHALMOLOGY. ISSN 1177-5483, 2016, vol. 10, p. 1945-1952., WOS
50. [1.1] SIMULESCU, V. - KALINA, M. - MONDEK, J. - PEKAR, M. Long-term degradation study of hyaluronic acid in aqueous solutions without protection against microorganisms. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 137, p. 664-668., WOS
51. [1.1] SULERIA, H.A.R. - MASCI, P. - GOBE, G. - OSBORNE, S. Current and potential uses of bioactive molecules from marine processing waste. In JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE. ISSN 0022-5142, 2016, vol. 96, no. 4, p. 1064-1067., WOS
52. [1.1] SZE, J.H. - BROWNLIE, J.C. - LOVE, C.A. Biotechnological production of hyaluronic acid: a mini review. In 3 BIOTECH. ISSN 2190-5738, 2016, vol. 6, article number 67., WOS
53. [1.1] TAVSANLI, B. - OKAY, O. Preparation and fracture process of high strength hyaluronic acid hydrogels cross-linked by ethylene glycol diglycidyl ether. In REACTIVE & FUNCTIONAL POLYMERS. ISSN 1381-5148, 2016, vol. 109, p. 42-51., WOS
54. [1.1] WENDE, F.J. - GOHIL, S. - MOJARRADI, H. - GERFAUD, T. - NORD, L.I. - KARLSSON, A. - BOITEAU, J.G. - KENNE, A.H. - SANDSTROM, C. Determination of substitution positions in hyaluronic acid hydrogels using NMR and MS based methods. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 136, p. 1348-1357., WOS
55. [1.1] YAHYAEI, B. - PEYVANDI, N. - AKBARI, H. - ARABZADEH, S. - AFSHARNEZHAD, S. - AJOUDANIFAR, H. - POURALI, P. Production, assessment, and impregnation of hyaluronic acid with silver nanoparticles that were produced by Streptococcus pyogenes for tissue engineering applications. In APPLIED BIOLOGICAL CHEMISTRY. ISSN 1738-2203, 2016, vol. 59, no. 2, p. 227-237., WOS
56. [1.1] ZHANG, J.Y. - YANG, Y.L. - CHEN, Y.F. - LIU, X.L. - GUO, S.C. - ZHU, L.Y. - WANG, Y. An in situ phototriggered-imine-crosslink composite hydrogel for bone defect repair. In JOURNAL OF MATERIALS CHEMISTRY B. ISSN 2050-750X, 2016, vol. 4, no. 5, p. 973-981., WOS
57. [1.1] ZHANG, X. - YAO, M.N. - CHEN, M.H. - LI, L.Q. - DONG, C.Y. - HOU, Y. - ZHAO, H.Y. - JIA, B. - WANG, F. Hyaluronic acid-coated silver nanoparticles as a nanoplatform for in vivo imaging applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2016, vol. 8, no. 39, p. 25650-25653., WOS
58. [1.1] ZHANG, X.Z. - WANG, M. - LI, T.J. - FU, L.X. - CAO, W. - LIU, H. Construction of efficient Streptococcus zooepidemicus strains for hyaluoronic acid production based on identification of key genes involved in sucrose metabolism. In AMB EXPRESS. ISSN 2191-0855, 2016, vol. 6, article numer 121., WOS
59. [1.2] AL-DALAEN, S. - AL-QTAITAT, A. - AL-RAWASHDEH, M. - ALZYOUD, J. - AL-MAATHADI, A. Rheumatoid arthritis: Hyaluronic acid and cartilage oligomeric matrix protein as predictors of the disease progression. In BIOMEDICAL AND PHARMACOLOGY JOURNAL. ISSN 0974-6242, 2016, vol. 9, no. 1, p. 15-23., SCOPUS
60. [1.2] BASSAS-GALIA, M. - FOLLONIER, S. - PUSNIK, M. - ZINN, M. Natural polymers: A source of inspiration. (Book Chapter). In BIORESORBABLE POLYMERS FOR BIOMEDICAL APPLICATIONS: FROM FUNDAMENTALS TO TRANSLATIONAL MEDICINE. Elsevier. 2016, p.31-64. ISBN 978-008100266-7; 978-008100262-9., SCOPUS
61. [1.2] BHATIA, S. Plant derived polymers, properties, modification & applications.(Book Chapter). In NATURAL POLYMER DRUG DELIVERY SYSTEMS. NANOPARTICLES, PLANTS, AND ALGAE. Springer International Publishing, 2016, p. 119-184. ISBN 978-331941129-3; 978-331941128-6., SCOPUS
62. [1.2] CHEN, X. - HE, W. Current research of hyaluronic acid and thyroid-associated ophthalmopathy. In ZHONGHUA SHIYAN YANKE ZAZHI/CHINESE JOURNAL OF EXPERIMENTAL OPHTHALMOLOGY. ISSN 2095-0160, 2016, vol. 34, no. 11, p.1047-1050.,

SCOPUS
63. [1.2] DE OLIVEIRA, J.D. - CARVALHO, L.S. - GOMES, A.M.V. - QUEIROZ, L.R. - MAGALHAES,B.S. - PARACHIN, N.S. Genetic basis for hyper production of hyaluronic acid in natural and engineered microorganisms. In MICROBIAL CELL FACTORIES. ISSN 1475-2859, 2016, vol. 15, no. 1, article number 119., SCOPUS
64. [1.2] MARCELLIN, E. - CHEN, W.Y. - NIELSEN, L.K. Metabolic pathway engineering for hyaluronic acid production. (Book Chapter). In HANDBOOK OF CARBOHYDRATE-MODIFYING BIOCATALYSTS. Pan Stanford Publishing. 2016, vol. 2, p. 683-696. ISBN 978-981466979-5; 978-981466978-8., SCOPUS
65. [1.2] MISTRY, N. - MOSKOW, J. - SHELKE, N.B. - YADAV, S. - BERG-FOELS, W.S.V. - KUMBAR, S.G. Bio-instructive Scaffolds for cartilage regeneration. (Book Chapter 5). In Justin L. Brown, Sangamesh G. Kumbar and Brittany L. Banik edit. BIO-INSTRUCTIVE SCAFFOLDS FOR MUSCULOSKELETAL TISSUE ENGINEERING AND REGENERATIVE MEDICINE. Academic Press, Elsevier, 2016, p. 115-135. ISBN: 978-012803399-9;978-012803394-4., SCOPUS
66. [1.2] WALICOVÁ, V. - GAJDZIOK, J. - GAJDOSOVÁ, M. - VETCHY, D. The influence of hyaluronan addition on thickness, weight, uniformity of mass and water content of mucoadhesive films. In CESKA A SLOVENSKA FARMACIE. ISSN 1210-7816, 2016, vol. 65, p. 94-98., SCOPUS
67. [1.2] YANG, J. - CHOE, G. - YANG, S. - JO, H. - LEE, J.Y. Polypyrrole-incorporated conductive hyaluronic acid hydrogels. In BIOMATERIALS RESEARCH. ISSN 2055-7124, 2016, vol. 20, no. 1, article number 31., SCOPUS
68. [1.2] ZAKERI, A. - RASAEE, M.J. Identification of wild type Streptococcus Zooepidemicus and optimization of culture medium and fermentation conditions for production of hyaluronic acid. In BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA. ISSN 0973-1245, 2016, vol. 13, no. 1, p. 189-198., SCOPUS
69. [1.2] ZAKRI, C. - POULIN, PH. Nematic phase formation in suspensions of carbon nanotubes. (Book Chapter 23). In LIQUID CRYSTALS WITH NANO AND MICROPARTICLES. Series in Soft Condensed Matter (Book 7). World Scientific Publishing, 2016, vol. 2, p. 775-796. ISBN 978-981461926-4;978-981461925-7., SCOPUS
70. [1.2] ZHANG, R. - FENG, J. Compound mutation breeding of streptococcus equi JC-63 for producing high molecular weight hyaluronic acid and optimization of culture conditions. International Conference on Advanced Materials and Engineering Materials, ICAMEM 2016; Hong Kong; China; 15-16 April 2016; Code 180049. In KEY ENGINEERING MATERIALS. ISSN 1013-9826, ISBN 978-303835701-8, 2016, vol. 703, p. 337-342., SCOPUS
71. [3.1] Ali, Z(Ali, Zubair); Sharma, PK(Sharma Pramod Kumar);Warsi, MH(Warsi Mussrrat Hussain). (2016). An insight of natural polymers in ocular drug delivery systems. Journal of Chronotherapy and Drug Delivery, 7(1), 7-19
72. [3.1] Burci, LM (Burci, Lígia Moura); Barbosa, PBD (Barbosa, Paula Bianca Dias); da Silva, CB (da Silva, Cristiane Bezerra); Zanini, SMW (Zanini, Sandra Maria Warumby); Miguel,OG (Miguel,Obdulio Gomes); Dias, JFG (Dias, Josiane de Fátima Gaspari); Miguel, MD (Miguel, Marilis Dallarmi). (2016). Patentability potential of natural products for xerostomia treatment. Brazilian Dental Science, 19(1), 4-12
73. [3.1] Godse, R (Godse, Rutika), Singh, K (Singh, Kavita), Shrivastava, A (Shrivastava, Agnivesh), Shinde, U (Shinde, Ujwala). (2016). Polymeric nanoparticulate systems: A potential approach for ocular drug delivery. In Yashwant Pathak, Vijaykumar Sutariya, Anjali A. Hirani (eds.). Nano-Biomaterials For Ophthalmic Drug Delivery (Springer, chapter 16, p. 351-387)
74. [3.1] Kim JK (Kim Joong Kyun), Jung HY (Jung Hyun Yi), Lee HJ (Lee Hee Jin), Cho JY (Cho Ja Young). (2016). Challenge to enhance the value of eco-friendly products biodegraded from fishery waste. In Advances in Environmental Research (Nova Science Publishers, Vol. 2, chapter 2, p. 21-38)
75. [3.1] Mondon K, Dadras M, Tillier J,Gavard Molliard S. (2016). Influence of the macro- and/or microstructure of cross-linked hyaluronic acid hydrogels on the release of two model drugs. Journal of Glycobiology, 5(1), article no. 119
76. [3.1] Stefanović Kojić, Jovana R.; Vrvić, Miroslav M.; Gojgić-Cvijović, Gordana Đ.; Beškoski, Vladimir P.; Jakovljević, Dragica M. (2016). Microbial polysaccharides: between oil wells, food and drugs. In Nedović, V., Raspor, P., Lević, J., Tumbas Šaponjac, V., Barbosa-Cánovas, G.V. (eds.). Emerging and Traditional Technologies for Safe, Healthy and Quality Food (Food Engineering Series) (Springer International Publishing, chapter 17, p. 313-327)

ADCA334 KOHN, R.. Binding of toxic cations to pectin, its oligomeric fragments and plant tissues. In Carbohydrate Polymers, 1982, vol. 2, p. 273-275. ISSN 0144-8617.

Citácie:
1. [1.2] Cropotova, J., Tylewicz, U., Cocci, E., Romani, S., & Dalla Rosa, M. (2016). A novel fluorescence microscopy approach to estimate quality loss of stored fruit fillings as a result of

browning. Food Chemistry, 194, 175-183, SCOPUS
2. [1.2] Joshi, N., Rawat, K., & Bohidar, H. B. (2016). Characterization of microstructure, viscoelasticity, heterogeneity and ergodicity in pectin-laponite-CTAB-calcium nanocomposite hydrogels. Carbohydrate Polymers, 136, 242-249, SCOPUS

ADCA335 KOHN, Rudolf - LARSEN, B. Preparation of water-soluble polyuronic acids and their calcium salts and the determination of calcium activity in relation to the degree of polymerization. In Acta Chemica Scandinavica, 1972, vol. 26, p. 2455-2468.

Citácie:
1. [1.1] Nakauma, M (Nakauma, Makoto); Funami, T (Funami, Takahiro); Fang, YP (Fang, Yapeng); Nishinari, K (Nishinari, Katsuyoshi); Draget, KI (Draget, Kurt I.); Phillips, GO (Phillips, Glyn O.):Calcium binding and calcium-induced gelation of sodium alginate modified by low molecular-weight polyuronate. In: FOOD HYDROCOLLOIDS Volume: 55 Pages: 65-76, WOS
2. [1.1] Skjak-Braek, G (Skjak-Braek, Gudmund); Donati, I (Donati, Ivan); Paoletti, S (Paoletti, Sergio): Alginate Hydrogels: Properties and Applications. In: POLYSACCHARIDE HYDROGELS: CHARACTERIZATION AND BIOMEDICAL APPLICATIONS Pages: 449-498, WOS

ADCA336 KOHN, Rudolf - HIRSCH, Ján. J. Binding of calcium(II), lead(II), and copper(II) cations to galactaric and 2,5-furandicarboxylic acids and to D-galacturonic acid and its derivatives. In Collection of Czechoslovak Chemical Communications, 1986, vol. 51, p. 1150-1159. ISSN 0010-0765.

Citácie:
1. [1.1] Manini, P (Manini, Paola); Panzella, L (Panzella, Lucia); Eidenberger, T (Eidenberger, Thomas); Giarra, A (Giarra, Antonella); Cerruti, P (Cerruti, Pierfrancesco); Trifuoggi, M (Trifuoggi, Marco); Napolitano, A (Napolitano, Alessandra): Efficient Binding of Heavy Metals by Black Sesame Pigment: Toward Innovative Dietary Strategies To Prevent Bioaccumulation. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 4 Pages: 890-897, WOS

ADCA337 KOHN, Rudolf. Ion binding on polyuronates - alginate and pectin. In Pure and Applied Chemistry, 1975, vol. 42, p. 371-397. ISSN 0033-4545.

Citácie:
1. [1.1] Xin, Y., Bligh, M. W., Kinsela, A. S., Wang, Y., & David Waite, T. (2015). Calcium-mediated polysaccharide gel formation and breakage: Impact on membrane foulant hydraulic properties. Journal of Membrane Science, 475, 395-405, SCOPUS
2. [1.2] Chaduc, I., Reynaud, E., Dumas, L., Albertin, L., D'Agosto, F., & Lansalot, M. (2016). From well-defined poly(N-acryloylmorpholine)-stabilized nanospheres to uniform mannuronan- and guluronan-decorated nanoparticles by RAFT polymerization-induced self-assembly. Polymer (United Kingdom), 106, 218-228, SCOPUS
3. [1.2] Huynh, U. T. D., Lerbret, A., Neiers, F., Chambin, O., & Assifaoui, A. (2016). Binding of divalent cations to polygalacturonate: A mechanism driven by the hydration water. Journal of Physical Chemistry B, 120(5), 1021-1032, SCOPUS
4. [1.2] Latorre-Sánchez, M., Esteve-Adell, I., Primo, A., & García, H. (2015). Innovative preparation of MoS2-graphene heterostructures based on alginate containing (NH4)2MoS4and their photocatalytic activity for H2 generation. Carbon, 81(1), 587-596, SCOPUS
5. [1.2] Martínez-Gómez, F., Mansilla, A., Matsuhiro, B., Matulewicz, M. C., & Troncoso-Valenzuela, M. A. (2016). Chiroptical characterization of homopolymeric block fractions in alginates. Carbohydrate Polymers, 146, 90-101, SCOPUS
6. [1.2] Nakauma, M., Funami, T., Fang, Y., Nishinari, K., Draget, K. I., & Phillips, G. O. (2016). Calcium binding and calcium-induced gelation of sodium alginate modified by low molecular-weight polyuronate. Food Hydrocolloids, 55, 65-76, SCOPUS

ADCA338 KOLAROVA, Nadežda - HAPLOVÁ, Jana - GREŠÍK, Miroslav. Light-activated adenyl-cyclase from Trichoderma viride. In FEMS Microbiology Letters, 1992, vol. 93, p. 275-278. (1992 - Current Contents). ISSN 0378-1097.

Citácie:
1. [1.1] Stappler, E (Stappler, Eva); Rodriguez-Iglesias, A (Rodriguez-Iglesias, Aroa); Bazafkan, H (Bazafkan, Hoda); Li, GF (Li, Guofen); Schmoll, M (Schmoll, Monika): Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 309-334, WOS

ADCA339 KOLAROV, J. - KOLAROVA, Nadežda - NELSON, N. A 3rd ADP/ATP translocator gene in yeast. In Journal of Biological Chemistry, 1990, vol. 265, p. 12711-12716. ISSN 0021-9258.

Citácie:
1. [1.1] Kathiresan, M (Kathiresan, M.); English, AM (English, A. M.): Targeted proteomics identify metabolism-dependent interactors of yeast cytochrome c peroxidase: implications in stress

response and heme trafficking. In: METALLOMICS Volume: 8 Issue: 4 Pages: 434-443, WOS
2. [1.1] Kunji, ERS (Kunji, Edmund R. S.); Aleksandrova, A (Aleksandrova, Antoniya); King, MS (King, Martin S.); Majd, H (Majd, Homa); Ashton, VL (Ashton, Valerie L.); Cerson, E (Cerson, Elizabeth); Springett, R (Springett, Roger); Kibalchenko, M (Kibalchenko, Mikhail); Tavoulari, S (Tavoulari, Sotiria); Crichton, PG (Crichton, Paul G.); Ruprecht, JJ (Ruprecht, Jonathan J.): The transport mechanism of the mitochondrial ADP/ATP carrier. In: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1863 Issue: 10 Special Issue: SI Pages: 2379-2393, WOS
3. [1.1] Maldonado, EN (Maldonado, Eduardo N.); DeHart, DN (DeHart, David N.); Patnaik, J (Patnaik, Jyoti); Klatt, SC (Klatt, Sandra C.); Gooz, MB (Gooz, Monika Beck); Lemasters, JJ (Lemasters, John J.): ATP/ADP Turnover and Import of Glycolytic ATP into Mitochondria in Cancer Cells Is Independent of the Adenine Nucleotide Translocator. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 37 Pages: 19642-19650, WOS
4. [1.1] Palmieri, F (Palmieri, Ferdinando); Monne, M (Monne, Magnus): Discoveries, metabolic roles and diseases of mitochondrial carriers: A review. In: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1863 Issue: 10 Special Issue: SI Pages: 2362-2378, WOS
5. [1.1] Trindade, D (Trindade, Dario); Pereira, C (Pereira, Clara); Chaves, SR (Chaves, Susana R.); Manon, S (Manon, Stephen); Corte-Real, M (Corte-Real, Manuela); Sousa, MJ (Sousa, Maria Joao): VDAC regulates AAC-mediated apoptosis and cytochrome c release in yeast. In: MICROBIAL CELL Volume: 3 Issue: 10 Pages: 369-379, WOS

ADCA340 KOLAŘÍK, M. - SLÁVIKOVÁ, Elena - PAŽOUTOVÁ, S. The taxonomic and ecological characterisation of the clinically important heterobasiodiomycete Fugomyces cyanescens and its association with bark beetles. In Czech Mycology, 2006, vol. 58, p. 81-98. ISSN 0009-0476.

Citácie:

1. [1.1] Kuan, CS (Kuan, Chee Sian); Yew, SM (Yew, Su Mei); Toh, YF (Toh, Yue Fen); Chan, CL (Chan, Chai Ling); Lim, SK (Lim, Soo Kun); Lee, KW (Lee, Kok Wei); Na, SL (Na, Shiang Ling); Hoh, CC (Hoh, Chee-Choong); Yee, WY (Yee, Wai-Yan); Ng, KP (Ng, Kee Peng): Identification and Characterization of a Rare Fungus, Quambalana cyanescens, Isolated from the Peritoneal Fluid of a Patient after Nocturnal Intermittent Peritoneal Dialysis. In: PLOS ONE Volume: 10 Issue: 12 Article Number: e0145932, WOS
2. [1.1] Piatek, M (Piatek, Marcin); Riess, K (Riess, Kai); Karasinski, D (Karasinski, Dariusz); Yorou, NS (Yorou, Nourou S.); Lutz, M (Lutz, Matthias): Integrative analysis of the West African Ceraceosorus africanus sp nov provides insights into the diversity, biogeography, and evolution of the enigmatic Ceraceosorales (Fungi: Ustilaginomycotina). In: ORGANISMS DIVERSITY & EVOLUTION Volume: 16 Issue: 4 Pages: 743-760, WOS

ADCA341 KOLLÁROVÁ, Karin - HENSELOVÁ, M. - LIŠKOVÁ, Desana. Effect of auxins and plant oligosaccharides on root formation and elongation growth of mung bean hypocotyls. In Plant Growth Regulation, 2005, vol. 46, p. 1-9. ISSN 0167-6903.

Citácie:

1. [1.1] Alexandre, Rodrigo Sobreira Costa, Poliana Rangel Chagas, Kristhiano Mayrinck, Livia Giro Giles, João Antônio Dutra Schmildt, Edilson Romais: Different propagules and auxin concentration on rooting of passionflower sandbank. In: Revista Ceres Volume: 63 Issue: 5 Pages: 691-697, WOS
2. [1.1] Hernandez-Herrera, RM (Mireya Hernandez-Herrera, Rosalba); Santacruz-Ruvalcaba, F (Santacruz-Ruvalcaba, Fernando); Zanudo-Hernandez, J (Zanudo-Hernandez, Julia); Hernandez-Carmona, G (Hernandez-Carmona, Gustavo): Activity of seaweed extracts and polysaccharide-enriched extracts from Ulva lactuca and Padina gymnospora as growth promoters of tomato and mung bean plants. In: JOURNAL OF APPLIED PHYCOLOGY Volume: 28 Issue: 4 Pages: 2549-2560, WOS
3. [1.1] Iqbal, A (Iqbal, Amjad); Miller, JG (Miller, Janice G.); Murray, L (Murray, Lorna); Sadler, IH (Sadler, Ian H.); Fry, SC (Fry, Stephen C.): The pectic disaccharides lepidimoic acid and beta-d-xylopyranosyl-(1 -> 3)-d-galacturonic acid occur in cress-seed exudate but lack allelochemical activity. In: ANNALS OF BOTANY Volume: 117 Issue: 4 Pages: 607-623, WOS
4. [1.2] Moenne, A. (2016). Marine algae oligo-carrageenans (OCs) stimulate growth and defense responses in terrestrial plants. In Research progress in oligosaccharins (Springer, chapter 4, pp. 41-49), SCOPUS

ADCA342 KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - SLOVÁKOVÁ, Ľudmila - LIŠKOVÁ, Desana. Interaction of galactoglucomannan oligosaccharides with auxin in mung bean primary root. In Plant Physiology and Biochemistry : an official journal of the Federation of European Societies of Plant Biology (FESPB) and the French Society of Plant Biology (Société Française de Biologie Végétale (SFBV)), 2010, vol.48, p. 401-406. (2.485 - IF2009). (2010 - Current Contents). ISSN 0981-9428.

Citácie:

1. [1.1] Schafleitner, R (Schafleitner, Roland); Huang, SM (Huang, Shu-mei); Chu, SH (Chu, Shui-hui); Yen, JY (Yen, Jo-yi); Lin, CY (Lin, Chen-yu); Yan, MR (Yan, Miao-rong); Krishnan, B (Krishnan, Bharath); Liu, MS (Liu, Mao-sen); Lo, HF (Lo, Hsiao-feng); Chen, CY (Chen, Chien-yu); Chen, LFO (Chen, Long-fang O.); Wu, DC (Wu, Dung-chi); Bui, TGT (Bui, Thu-giang Thi); Ramasamy, S (Ramasamy, Srinivasan); Tung, CW (Tung, Chih-wei); Nair, R (Nair, Ramakrishnan): Identification of single nucleotide polymorphism markers associated with resistance to bruchids (Callosobruchus spp.) in wild mungbean (Vigna radiata var. sublobata) and cultivated V. radiata through genotyping by sequencing and quantitative trait locus analysis. In: BMC PLANT BIOLOGY Volume: 16 Article Number: 159, WOS
2. [1.1] Yamabhai, M (Yamabhai, Montarop); Sak-Ubol, S (Sak-Ubol, Suttipong); Srila, W (Srila, Witsanu); Haltrich, D (Haltrich, Dietmar): Mannan biotechnology: from biofuels to health. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 1 Pages: 32-42, WOS

ADCA343 KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana - CAPEK, Peter. Further biological characteristics of galactoglucomannan oligosaccharides. In Biologia Plantarum : international journal, 2006, vol. 50, p. 232-238. (0.792 - IF2005). ISSN 0006-3134.

Citácie:

1. [1.1] Pranovich, A (Pranovich, Andrey); Holmbom, B (Holmbom, Bjarne); Willfor, S (Willfor, Stefan): TWO-STAGE HOT-WATER EXTRACTION OF GALACTOGLUCOMANNANS FROM SPRUCE WOOD. In: JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY Volume: 36 Issue: 2 Pages: 140-156, WOS

ADCA344 KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana - KÁKONIOVÁ, Daniela - LUX, Alexander. Effect of auxins on Karwinskia humboldtiana root cultures. In Plant Cell, Tissue and Organ Culture : international journal on in vitro culture of higher plants, 2004, vol. 79, p. 213-221. ISSN 0167-6857.

Citácie:

1. [1.1] Kikowska, M (Kikowska, Malgorzata); Thiem, B (Thiem, Barbara); Sliwinska, E (Sliwinska, Elwira); Rewers, M (Rewers, Monika); Kowalczyk, M (Kowalczyk, Mariusz); Stochmal, A (Stochmal, Anna); Dlugaszewska, J (Dlugaszewska, Jolanta): MICROPROPAGATION OF ERYNGIUM CAMPESTRE L. VIA SHOOT CULTURE PROVIDES VALUABLE UNIFORM PLANT MATERIAL WITH ENHANCED CONTENT OF PHENOLIC ACIDS AND ANTIMICROBIAL ACTIVITY. In: ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA Volume: 58 Issue: 1 Pages: 43-56, WOS

ADCA345 KOLL, P. - SAAK, W. - POHL, S. - STEINER, Bohumil - KOÓŠ, Miroslav. Preparation and crystal and molecular structure of 6-O-((2S)-2,3-epoxypropyl)-1,2:3,4-di-O-isopropylidene-alfa-D-galactopyranose. Pyranoid ring conformation in 1,2:3,4-di-O-isopropylidene-galactopyranose and related systems. In Carbohydrate Research, 1994, vol. 265, p. 237-248. ISSN 0008-6215.

Citácie:

1. [1.1] Fernandes, FD (Fernandes, Fabio de Souza); Fernandes, TS (Fernandes, Tayrine Silva); da Silveira, LS (da Silveira, Ligia Souza); Caneschi, W (Caneschi, Wiliam); Lourenco, MCS (Lourenco, Maria Cristina S.) et al.: Synthesis and evaluation of antibacterial and antitumor activities of new galactopyranosylated amino alcohols. In: EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 108 Pages: 203-210, WOS

ADCA346 KÓŇA, Juraj. Theoretical study on the mechanism of a ring-opening reaction of oxirane by the active-site asparatic dyad of KIV-1 protease. In Organic and Biomolecular Chemistry, 2008, vol., p. 359-365. ISSN 1477-0520.

Citácie:

1. [1.1] Olajuyigbe, FM (Olajuyigbe, Folasade M.); Demitri, N (Demitri, Nicola); De Zorzi, R (De Zorzi, Rita); Geremia, S (Geremia, Silvano): Developing HIV-1 Protease Inhibitors through Stereospecific Reactions in Protein Crystals. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1458, WOS

ADCA347 KÓŇA, Juraj - FABIAN, Walter. Hybrid QM/MM calculations on the first redox step of the catalytic cycle of bovine glutathione peroxidase GPX1. In Journal of Chemical Theory and Computation, 2011, vol. 7, p. 2610-2616. (5.138 - IF2010). (2011 - Current Contents). ISSN 1549-9618.

Citácie:

1. [1.1] Kheirabadi, R (Kheirabadi, Ramesh); Izadyar, M (Izadyar, Mohammad): Computational Modeling of the Catalytic Cycle of Glutathione Peroxidase Nanomimic. In: JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 51 Pages: 10108-10115, WOS

ADCA348 KÓŇA, Juraj - BRINCK, T. A combined molecular dynamics simulation and quantum chemical study on the mechanism for activation of the OxyR transcription factor by hydrogen peroxide. In Organic and Biomolecular Chemistry, 2006, vol. 4, p. 3468-3478. ISSN 1477-0520.

Citácie:

1. [1.1] Dubbs, J. M., & Mongkolsuk, S. (2016). Peroxide-sensing transcriptional regulators in bacteria. In Stress and environmental regulation of gene expression and adaptation in bacteria (John Wiley & Sons, chapter 56, pp. 587-602), SCOPUS

2. [1.1] Huang, BK (Huang, Beijing K.); Langford, TF (Langford, Troy F.); Sikes, HD (Sikes, Hadley D.): Using Sensors and Generators of H2O2 to Elucidate the Toxicity Mechanism of Piperlongumine and Phenethyl Isothiocyanate. In: ANTIOXIDANTS & REDOX SIGNALING Volume: 24 Issue: 16 Pages: 924-938, WOS

ADCA349 KONIGSTEIN, Jozef. Isomerization of trioses in acid solutions catalyzed by molybdate ions. In Collection of Czechoslovak Chemical Communications, 1978, vol. 43, p. 1152-1158. ISSN 0010-0765.

Citácie:

1. [1.1] Grainger, MNC (Grainger, Megan N. C.); Manley-Harris, M (Manley-Harris, Merilyn); Lane, JR (Lane, Joseph R.); Field, RJ (Field, Richard J.): Kinetics of conversion of dihydroxyacetone to methylglyoxal in New Zealand manuka honey: Part I - Honey systems. In: FOOD CHEMISTRY Volume: 202 Pages: 484-491, WOS

2. [1.1] Grainger, MNC (Grainger, Megan N. C.); Manley-Harris, M (Manley-Harris, Merilyn); Lane, JR (Lane, Joseph R.); Field, RJ (Field, Richard J.): Kinetics of the conversion of dihydroxyacetone to methylglyoxal in New Zealand manuka honey: Part II - Model systems. In: FOOD CHEMISTRY Volume: 202 Pages: 492-499, WOS

ADCA350 KOÓŠ, Miroslav - MIČOVÁ, Júlia - STEINER, Bohumil - ALFOLDI, Juraj. An efficient and versatile synthesis of apiose and some C-1-aldehyde- and/or 2,3-o-protected derivatives. In Tetrahedron Letters, 2002, vol. 43, p. 5405-5406. ISSN 0040-4039.

Citácie:

1. [1.1] Kim, M (Kim, Mijin); Kang, S (Kang, Soyeong); Rhee, YH (Rhee, Young Ho): De Novo Synthesis of Furanose Sugars: Catalytic Asymmetric Synthesis of Apiose and Apiose-Containing Oligosaccharides. In: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 55 Issue: 33 Pages: 9733-9737, WOS

2. [1.1] Kis, P (Kis, Peter); Potocka, E (Potocka, Elena); Mastihuba, V (Mastihuba, Vladimir); Mastihubova, M (Mastihubova, Maria): Efficient chemoenzymatic synthesis of 4-nitrophenyl P-Dapiofuranoside and its use in screening of P-D-apiofuranosidases: CARBOHYDRATE RESEARCH Volume: 430 Pages: 48-53, WOS

ADCA351 KOÓŠ, Miroslav - MOSHER, H.S. A convenient synthesis of apiose. In Carbohydrate Research, 1986, vol. 146, p. 335-341. ISSN 0008-6215.

Citácie:

1. [1.1] Kis, P (Kis, Peter); Potocka, E (Potocka, Elena); Mastihuba, V (Mastihuba, Vladimir); Mastihubova, M (Mastihubova, Maria): Efficient chemoenzymatic synthesis of 4-nitrophenyl P-Dapiofuranoside and its use in screening of P-D-apiofuranosidases. In: CARBOHYDRATE RESEARCH Volume: 430 Pages: 48-53, WOS

ADCA352 KORCOVÁ, Jana, Vráblová - MACHOVÁ, Eva - FILIP, Jaroslav - BYSTRICKÝ, Slavomír. Biophysical properties of carboxymethyl derivatives of mannan and dextran. In Carbohydrate Polymers, 2015, vol. 134, p. 6-11. (4.074 - IF2014). (2015 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Goncharova, NV (Goncharova, N. V.); Khrapova, MV (Khrapova, M. V.); Pupyshev, AB (Pupyshev, A. B.); Korolenko, ET (Korolenko, E. Ts.); Nescakova, Z (Nescakova, Z.); Korolenko, TA (Korolenko, T. A.): Hypolipidemic Effect of Mannan in Mice with Acute Lipemia Induced by Poloxamer 407. In: BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE Volume: 162 Issue: 1 Pages: 18-22, WOS

ADCA353 KOROLENKO, Tatyana A. - PISAREVA, Ekaterina E. - FILYUSHINA, Elena E. - JOHNSTON, Thomas P. - MACHOVÁ, Eva. Serum cystatin C and chitotriosidase in acute P-407 induced dyslipidemia: Can they serve as potential early biomarkers for atherosclerosis? In Experimental and toxicologic pathology, 2015, vol. 67, p. 459-466. (1.860 - IF2014). (2015 - Current Contents). ISSN 0940-2993.

Citácie:

1. [1.2] Serum cystatin C and chitotriosidase in acute P-407 induced dyslipidemia, SCOPUS

ADCA354 KOSÍK, Ondřej - FARKAŠ, Vladimír. One-pot fluorescent labeling of xyloglucan oligosaccharides with sulforhodamine. In Analytical Biochemistry, 2008, vol.375, p. b232-236. (3.002 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0003-2697.

Citácie:

1. [1.1] Olsen, S (Olsen, Stian); Striberny, B (Striberny, Bernd); Hollmann, J (Hollmann, Julien); Schwacke, R (Schwacke, Rainer); Popper, ZA (Popper, Zoe A.); Krause, K (Krause, Kirsten): Getting ready for host invasion: elevated expression and action of xyloglucan endotransglucosylases/hydrolases in developing haustoria of the holoparasitic angiosperm Cuscuta. In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 3 Pages: 695-708, WOS

ADCA355 KOSIKOVA, Bozena - HRICOVÍNI, Miloš - COSENTINO, C. Interaction of lignin and polysaccharides in beech wood (Fagus sylvatica) during drying processes. In Wood Science and

Technology, 1999, vol. 33, p. 373-380.

Citácie:

1. [1.1] Straze, A (Straze, Ales); Fajdiga, G (Fajdiga, Gorazd); Pervan, S (Pervan, Stjepan); Gorisek, Z (Gorisek, Zeljko): Hygro-mechanical behavior of thermally treated beech subjected to compression loads. In: CONSTRUCTION AND BUILDING MATERIALS Volume: 113 Pages: 28-33, WOS

2. [1.1] Timar, MC (Timar, Maria Cristina); Varodi, A (Varodi, Anca); Hacibektasoglu, M (Hacibektasoglu, Murat); Campean, M (Campean, Mihaela): Color and FTIR Analysis of Chemical Changes in Beech Wood (Fagus sylvatica L.) after Light Steaming and Heat Treatment in Two Different Environments. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8325-8343, WOS

3. [1.1] WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 5 Pages: 895-916, WOS

4. [1.1] Zhong, Y (Zhong, Yong); Ren, HQ (Ren, Hai-Qing); Jiang, ZH (Jiang, Ze-Hui): Effects of Temperature on the Compressive Strength Parallel to the Grain of Bamboo Scrimbe. In: MATERIALS Volume: 9 Issue: 6 Article Number: 436, WOS

5. [1.2] Boonstra, M. (2016). Dimensional stabilization of wood and wood composites. In Lignocellulosic fibers and wood handbook: Renewable materials for today's environment (John Wiley & Sons, chapter 26, pp. 629-655), SCOPUS

ADCA356 KOSNIK, W. - BOCIAN, W. - CHMIELEWSKI, M. - TVAROŠKA, Igor. DFT calculations of the anomeric and exo-anomeric effect of the hydroperoxy gropups. In Carbohydrate Research, 2008, vol.343, p. 1463-1472. (1.723 - IF2007). (2008 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Langenhan, J. M., McLaughlin, R. P., Loskot, S. A., Rozal, L. M., Clay, M. S., & Alaimo, P. J. (2016). Using density functional theory to calculate the anomeric effect in hydroxylamine and hydrazide derivatives of tetrahydropyran. Journal of Carbohydrate Chemistry, 35(2), 106-117, SCOPUS

ADCA357 KOSSACZKÁ, Zuzana - BYSTRICKÝ, Slavomír - BRYLA, D.A. - SHILOACH, J. - ROBBINS, J.B. - SZU, S.C. Synthesis and immunological properties of Vi and Di-O-acetyl pectin protein conjugates with adipic acid dihydrazide as the linker. In Infection and Immunity, 1997, vol. 65, p. 2088-2093. (1997 - Current Contents). ISSN 0019-9567.

Citácie:

1. [1.1] Rosales-Mendoza, S (Rosales-Mendoza, Sergio); Salazar-Gonzalez, JA (Salazar-Gonzalez, Jorge A.); Decker, EL (Decker, Eva L.); Reski, R (Reski, Ralf): Implications of plant glycans in the development of innovative vaccines. In: EXPERT REVIEW OF VACCINES Volume: 15 Issue: 7 Pages: 915-925, WOS

ADCA358 KOŠÍKOVÁ, Božena - JONIAK, Dusan - KOSÁKOVÁ, Ľ.. On the properties of benzyl ether bonds in the lignin-saccharidic complex isolated from spruce. In Holzforschung, 1979, vol. 33, p. 11-14. ISSN 0018-3830. Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 1979, vol. 33, p. 11-14. ISSN 0018-3830.

Citácie:

1. [1.1] Martinez, PM (Martinez, Patricia Murciano); Punt, AM (Punt, Arjen M.); Kabel, MA (Kabel, Mirjam A.); Gruppen, H (Gruppen, Harry): Deconstruction of lignin linked p-coumarates, ferulates and xylan by NaOH enhances the enzymatic conversion of glucan. In: BIORESOURCE TECHNOLOGY Volume: 216 Pages: 44-51, WOS

ADCA359 KOŠÍKOVÁ, Božena - ĎURIŠ, M. - DEMIANOVÁ, V. Conversion of lignin biopolymer into surface-active derivatives. In European Polymer Journal, 2000, vol. 36, p. 1209-1212. (0.720 - IF1999). (2000 - Current Contents). ISSN 0014-3057.

Citácie:

1. [1.1] Chen, SY (Chen, Shuyan); Shen, SC (Shen, Shicheng); Yan, X (Yan, Xiang); Mi, J (Mi, Jie); Wang, GH (Wang, Gehua); Zhang, JN (Zhang, Jianan); Zhou, YJ (Zhou, Yujie): Synthesis of Surfactants from Alkali Lignin for Enhanced Oil Recovery. In: JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY Volume: 37 Issue: 11 Pages: 1574-1580, WOS

2. [1.1] Konduri, MKR (Konduri, Mohan K. R.); Fatehi, P (Fatehi, Pedram): Synthesis and characterization of carboxymethylated xylan and its application as a dispersant. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 26-35, WOS

3. [1.1] Li, S (Li, Shuai); Xiang, WC (Xiang, Wenchao); Jarvinen, M (Jarvinen, Marjo); Lappalainen, T (Lappalainen, Timo); Salminen, K (Salminen, Kristian); Rojas, OJ (Rojas, Orlando J.): Interfacial Stabilization of Fiber-Laden Foams with Carboxymethylated Lignin toward Strong Nonwoven Networks. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 30 Pages: 19827-19835, WOS

4. [1.1] Liu, ZG (Liu, Zuguang); Lu, X (Lu, Xiang); An, LZ (An, Lanzhi); Xu, CQ (Xu, Chunqin): A Novel Cationic Lignin-amine Emulsifier with High Performance Reinforced via Phenolation and Mannich Reactions. In: BIORESOURCES Volume: 11 Issue: 3 Pages: 6438-6451, WOS

5. [1.1] Tanjung, FA (Tanjung, Faisal Amri); Husseinsyah, S (Husseinsyah, Salmah); Hussin, K (Hussin, Kamarudin); Hassan, A (Hassan, Azman): Mechanical and thermal properties of organosolv lignin/sodium dodecyl sulphate binary agent-treated polypropylene/chitosan composites. In: POLYMER BULLETIN Volume: 73 Issue: 5 Pages: 1427-1445, WOS

ADCA360 KOŠÍKOVÁ, Božena - SLÁVIKOVÁ, Elena. Use of lignin products derived from wood pulping as environmentally desirable additives of polypropylene films. In Wood Research, 2010, vol. 55, p. 87-92. (0.369 - IF2009). ISSN 1336-4561.

Citácie:

1. [1.1] Antczak, A (Antczak, Andrzej); Radomski, A (Radomski, Andrzej); Drozdzek, M (Drozdzek, Michal); Zawadzki, J (Zawadzki, Janusz); Zielenkiewicz, T (Zielenkiewicz, Tomasz): THERMAL AGEING OF CELLULOSE WITH NATURAL AND SYNTHETIC ANTIOXIDANTS UNDER VARIOUS CONDITIONS. In: DREWNO Volume: 59 Issue: 196 Pages: 139-152, WOS

ADCA361 KOŠÍKOVÁ, Božena - RÉVAJOVÁ, A. - DEMIANOVÁ, V. The effect of adding lignin on modification of surface properties of polypropylene. In European Polymer Journal, 1995, vol. 31, p. 953-956. (0.719 - IF1994). (1995 - Current Contents). ISSN 0014-3057.

Citácie:

1. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS

2. [1.1] Faruk, O (Faruk, Omar); Obaid, N (Obaid, Numaira); Tjong, J (Tjong, Jimi); Sain, M (Sain, Mohini): Lignin Reinforcement in Thermoplastic Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 95-118, WOS

ADCA362 KOŠÍKOVÁ, Božena - SLAMEŇOVÁ, Darina - MIKULÁŠOVÁ, M. - HORVÁTHOVÁ, Eva - LÁBAJ, Juraj. Reduction of carcinogenesis by bio-based lignin derivatives. In Biomass and Bioenergy, 2002, vol. 23, no. 2, p. 153-159. ISSN 0961-9534.

Citácie:

1. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

2. [1.1] LUIS ESPINOZA-ACOSTA, Jose - ISABEL TORRES-CHAVEZ, Patricia - RAMIREZ-WONG, Benjamin - MARIA LOPEZ-SAIZ, Carmen - MONTANO-LEYVA, Beatriz. Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In BIORESOURCES. ISSN 1930-2126, 2016, vol. 11, no. 2, pp. 5452., WOS

3. [1.2] Gong, W., Xiang, Z., Ye, F., & Zhao, G. (2016). Composition and structure of an antioxidant acetic acid lignin isolated from shoot shell of bamboo (dendrocalamus latiforus). Industrial Crops and Products, 91, 340-349, SCOPUS

ADCA363 KOŠÍKOVÁ, Božena - SLÁVIKOVÁ, Elena - KAČÍK, F. Biodegradability of extractives in sound and biologically decayed beech by various yeast species. In Wood Research, 2008, vol.53, p. 9-16. ISSN 1336-4561.

Citácie:

1. [1.1] Vek, V (Vek, Viljem); Oven, P (Oven, Primoz); Poljansek, I (Poljansek, Ida): Review on Lipophilic and Hydrophilic Extractives in Tissues of Common Beech. In: DRVNA INDUSTRIJA Volume: 67 Issue: 1 Pages: 85-96, WOS

ADCA364 KOŠÍKOVÁ, Božena - LÁBAJ, J. - GREGOROVÁ, Adriana - SLAMEŇOVÁ, D. Lignin antioxidants for preventing oxidation damage of DNA and for stabilizing polymeric components. In Holzforschung : International Journal of the Biology, Chemistry, Physics, and Technology of Wood, 2006, vol. 60, pp. 166-170. ISSN 0018-3830.

Citácie:

1. [1.1] Li, H (Li, Hao); Deng, YH (Deng, Yonghong); Wu, HS (Wu, Haisong); Ren, Y (Ren, Yuan); Qiu, XQ (Qiu, Xueqing); Zheng, DF (Zheng, Dafeng); Li, CL (Li, ChunLi): Self-assembly of kraft lignin into nanospheres in dioxane-water mixtures. In: HOLZFORSCHUNG Volume: 70 Issue: 8 Pages: 725-731, WOS

2. [1.1] Wang, YJ (Wang, Yen-Jen); Larsson, M (Larsson, Mikael); Huang, WT (Huang, Wei-Ting); Chiou, SH (Chiou, Shih-Hwa); Nicholls, SJ (Nicholls, Stephen J.); Chao, JI (Chao, Jui-I); Liu, DM (Liu, Dean-Mo): The use of polymer-based nanoparticles and nanostructured materials in treatment and diagnosis of cardiovascular diseases: Recent advances and emerging designs. In: PROGRESS IN POLYMER SCIENCE Volume: 57 Pages: 153-178, WOS

ADCA365 KOŠÍKOVÁ, Božena - LÁBAJ, Juraj. Lignin-stimulated protection of polypropylene films and DNA in cells of mice against oxidation damage. In BioResources, 2009, vol. 4, no. 2, p. 805-815. (2009 - Current Contents). ISSN 1930-2126.

Citácie:
1. [1.1] Antczak, A (Antczak, Andrzej); Radomski, A (Radomski, Andrzej); Drozdzek, M (Drozdzek, Michal); Zawadzki, J (Zawadzki, Janusz); Zielenkiewicz, T (Zielenkiewicz, Tomasz): THERMAL AGEING OF CELLULOSE WITH NATURAL AND SYNTHETIC ANTIOXIDANTS UNDER VARIOUS CONDITIONS. In: DREWNO Volume: 59 Issue: 196 Pages: 139-152, WOS
2. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS
3. [1.1] Jairam, S (Jairam, Suguna); Bucklin, R (Bucklin, Ray); Correll, M (Correll, Melanie); Sakthivel, TS (Sakthivel, Tamil Selvan); Seal, S (Seal, Sudipta); Truett, J (Truett, John); Tong, ZH (Tong, Zhaohui): UV resistance of polystyrene co-butyl acrylate (PSBA) encapsulated lignin-saponite nanohybrid composite film. In: MATERIALS & DESIGN Volume: 90 Pages: 151-156, WOS

ADCA366 KOŠÍKOVÁ, Božena - GREGOROVÁ, Adriana. Sulfur-free lignin as reinforcing component of styrene–butadiene rubber. In Journal of Applied Polymer Science, 2005, vol.97, p. 924-929. (1.021 - IF2004). (2005 - Current Contents). ISSN 0021-8995.

Citácie:
1. [1.1] Ahvazi, B (Ahvazi, Behzad); Cloutier, E (Cloutier, Eric); Wojciechowicz, O (Wojciechowicz, Olivia); Ngo, TD (Tri-Dung Ngo): Lignin Profiling: A Guide for Selecting Appropriate Lignins as Precursors in Biomaterials Development. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5090-5105, WOS
2. [1.1] Barana, D (Barana, Davide); Ali, SD (Ali, Syed Danish); Salanti, A (Salanti, Anika); Orlandi, M (Orlandi, Marco); Castellani, L (Castellani, Luca); Hanel, T (Hanel, Thomas); Zoia, L (Zoia, Luca): Influence of Lignin Features on Thermal Stability and Mechanical Properties of Natural Rubber Compounds. In: ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 4 Issue: 10 Pages: 5258-5267, WOS
3. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS
4. [1.1] Bozsodi, B (Bozsodi, Bruno); Romhanyi, V (Romhanyi, Vivien); Pataki, P (Pataki, Piroska); Kun, D (Kun, David); Renner, K (Renner, Karoly); Pukanszky, B (Pukanszky, Bela): Modification of interactions in polypropylene/lignosulfonate blends. In: MATERIALS & DESIGN Volume: 103 Pages: 32-39, WOS
5. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS
6. [1.1] Gupta, S (Gupta, Surojit); Riyad, MF (Riyad, M. F.); Ji, Y (Ji, Yun): Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. In: LUBRICANTS Volume: 4 Issue: 3 Article Number: 31, WOS
7. [1.1] Kakroodi, AR (Kakroodi, Adel R.); Sain, M (Sain, Mohini): Lignin-Reinforced Rubber Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 195-206, WOS
8. [1.1] Kakroodi, AR (Kakroodi, Adel R.); Sain, M (Sain, Mohini): Lignin-Reinforced Rubber Composites. In: LIGNIN IN POLYMER COMPOSITES Pages: 195-206, WOS
9. [1.1] Tran, CD (Tran, Chau D.); Chen, JH (Chen, Jihua); Keum, JK (Keum, Jong K.); Naskar, AK (Naskar, Amit K.): A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Lignin-Elastomers. In: ADVANCED FUNCTIONAL MATERIALS Volume: 26 Issue: 16 Pages: 2677-2685, WOS
10. [1.1] Xia, C. L., Xu, Y. Z., Liu, X. H., & Wang, C. P. (2016). Preparation and characterization of demethylated lignin assisted by microwave irradiation. Chemistry and Industry of Forest Products, 36(2), 57-63, WOS
11. [1.2] Ház, A., Jablonský, M., Sládková, A., Feranc, J., & Šurina, I. (2016). Stability of the lignins and their potential in production of bioplastics. Key Engineering Materials, 688, 25-30, SCOPUS
12. [1.2] Sallem-Idrissi, N., Sclavons, M., Debecker, D. P., & Devaux, J. (2016). Miscible raw lignin/nylon 6 blends: Thermal and mechanical performances. Journal of Applied Polymer Science, 133(6), SCOPUS

ADCA367 KOŠŤÁLOVÁ, D. - KARDOŠOVÁ, Alžbeta - HAJNICKÁ, Valéria. Effect of Mahonia aquifolium stem bark crude extract and one of its polysaccharide components on production of IL-8. In

Fitoterapia, 2001, vol. 72, p. 802-806. ISSN 0367-326X.

Citácie:

1. [1.1] Damjanovic, A (Damjanovic, Ana); Zdunic, G (Zdunic, Gordana); Savikin, K (Savikin, Katarina); Mandic, B (Mandic, Boris); Jadranin, M (Jadranin, Milka); Matic, IZ (Matic, Ivana Z.); Stanojkovic, TP (Stanojkovic, Tatjana P.): Evaluation of the anti-cancer potential of Mahonia aquifolium extracts via apoptosis and anti-angiogenesis. In: BANGLADESH JOURNAL OF PHARMACOLOGY Volume: 11 Issue: 3 Pages: 741-749, WOS

ADCA368 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Isolation and characterization of pectic polysaccharides from the seeded fruit of oil pumpkin (Cucurbita pepo L. var. Styriaca). In Industrial crops and products : An international journal, 2010, vol.31, p. 370-377. (2.103 - IF2009). (2010 - Current Contents). ISSN 0926-6690.

Citácie:

1. [1.1] Moulay, S (Moulay, Sadiki); Hassan, B (Hassan, Barkai); Alae, E (Alae, Elabed); Meryem, A (Meryem, Asri); Mohamed, M (Mohamed, Moustakim); Saad, IK (Saad, Ibnsouda Koraichi); Soumya, E (Soumya, Elabed): The Anti-Adherent Activity of Plant Extracts on Penicillium Commune Spores Causing Cedar Wood Decay: An ESEM Analysis. In: JOURNAL OF ADHESION Volume: 92 Issue: 4 Pages: 295-305, WOS

ADCA369 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna. Structural diversity of pectins isolated from the Styrian oil-pumpkin (Cucurbita pepo var. styriaca) fruit. In Carbohydrate Polymers, 2013, vol. 93, p. 163-171. (3.479 - IF2012). (2013 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Jonmurodov, AS (Jonmurodov, A. S.); Muhidinov, ZK (Muhidinov, Z. K.); Strahan, GD (Strahan, G. D.); Kholov, SE (Kholov, S. E.); Teshaev, KI (Teshaev, Kh. I.); Fishman, ML (Fishman, M. L.); Liu, LS (Liu, L. S.): PECTIC POLYSACCHARIDES FROM PUMPKIN FRUIT. In: GUMS AND STABILISERS FOR THE FOOD INDUSTRY 18: HYDROCOLLOID FUNCTIONALITY FOR AFFORDABLE AND SUSTAINABLE GLOBAL FOOD SOLUTIONS Pages: 23-36, WOS

2. [1.1] Li, PJ (Li, Pei-jun); Xia, JL (Xia, Jin-lan); Nie, ZY (Nie, Zhen-yuan); Shan, Y (Shan, Yang): Pectic oligosaccharides hydrolyzed from orange peel by fungal multi enzyme complexes and their prebiotic and antibacterial potentials. In: LWT-FOOD SCIENCE AND TECHNOLOGY Volume: 69 Pages: 203-210, WOS

3. [1.1] Liu, J (Liu, Jun); Meng, CG (Meng, Chen-guang); Yan, YH (Yan, Ye-hua); Shan, YN (Shan, Ya-na); Kan, J (Kan, Juan); Jin, CH (Jin, Chang-hai): Structure, physical property and antioxidant activity of catechin grafted Tremella fuciformis polysaccharide. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 719-724, WOS

4. [1.1] Muller-Maatsch, J (Mueller-Maatsch, Judith); Bencivenni, M (Bencivenni, Mariangela); Caligiani, A (Caligiani, Augusta); Tedeschi, T (Tedeschi, Tullia); Bruggeman, G (Bruggeman, Geert); Bosch, M (Bosch, Montse); Petrusan, J (Petrusan, Janos); Van Droogenbroeck, B (Van Droogenbroeck, Bart); Elst, K (Elst, Kathy); Sforza, S (Sforza, Stefano): Pectin content and composition from different food waste streams. In: FOOD CHEMISTRY Volume: 201 Pages: 37-45, WOS

ADCA370 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - POLOVKA, Martin - MICHAELSEN, Terje Einar - PAULSEN, Berit Smestad. Polysaccharides from Styrian oil-pumpkin with antioxidant and complement-fixing activity. In Industrial Crops and Products, 2013, vol. 41, p. 127-133. (2.468 - IF2012). (2013 - Current Contents). ISSN 0926-6690.

Citácie:

1. [1.1] Matharu, AS (Matharu, Avtar S.); Houghton, JA (Houghton, Joseph A.); Lucas-Torres, C (Lucas-Torres, Covadonga); Moreno, A (Moreno, Andres): Acid-free microwave-assisted hydrothermal extraction of pectin and porous cellulose from mango peel waste - towards a zero waste mango biorefinery. In: GREEN CHEMISTRY Volume: 18 Issue: 19 Pages: 5280-5287, WOS

2. [1.1] Tan, HF (Tan, Hwee-Feng); Gan, CY (Gan, Chee-Yuen): Polysaccharide with antioxidant, alpha-amylase inhibitory and ACE inhibitory activities from Momordica charantia. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 85 Pages: 487-496, WOS

3. [1.1] Xie, JH (Xie, Jian-Hua); Jin, ML (Jin, Ming-Liang); Morris, GA (Morris, Gordon A.); Zha, XQ (Zha, Xue-Qiang); Chen, HQ (Chen, Han-Qing); Yi, Y (Yi, Yang); Li, JE (Li, Jing-En); Wang, ZJ (Wang, Zhi-Jun); Gao, J (Gao, Jie); Nie, SP (Nie, Shao-Ping); Shang, P (Shang, Peng); Xie, MY (Xie, Ming-Yong): Advances on Bioactive Polysaccharides from Medicinal Plants. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Pages: S60-S84, WOS

4. [1.2] Wang, L., Cheng, L., Xu, Y., Wang, T., Li, L., & Wang, H. (2016). Extraction technology optimization and antioxidant activity of polysaccharides from pumpkin seeds. Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 32(9), 284-290,

SCOPUS

ADCA371 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka - PAULSEN, Berit Smestad - EBRINGEROVÁ, Anna. Bioactive hemicelluloses alkali-extracted from Fallopia sachalinensis leaves. In Carbohydrate Research, 2014, vol. 398, p. 19-24. (1.966 - IF2013). (2014 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Chen, Z (Chen, Zhi); Zhang, W (Zhang, Wei); Tang, XY (Tang, Xunyou); Fan, HJ (Fan, Huajun); Xie, XJ (Xie, Xiujuan); Wan, Q (Wan, Qiang); Wu, XH (Wu, Xuehao); Tang, JZ (Tang, James Z.): Extraction and characterization of polysaccharides from Semen Cassiae by microwave-assisted aqueous two-phase extraction coupled with spectroscopy and HPLC. In: CARBOHYDRATE POLYMERS Volume: 144 Pages: 263-270, WOS

2. [1.1] Ding, HH (Ding, Huihuang H.); Cui, SW (Cui, Steve W.); Goff, HD (Goff, H. Douglas); Chen, J (Chen, Jie); Guo, QB (Guo, Qingbin); Wang, Q (Wang, Qi): Xyloglucans from flaxseed kernel cell wall: Structural and conformational characterisation. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 538-545, WOS

3. [1.1] Vatehová, Z., Malovíková, A., Kollárová, K., Kučerová, D., & Lišková, D. (2016). Impact of cadmium stress on two maize hybrids. Plant Physiology and Biochemistry, 108, 90-98, WOS

4. [1.2] Liu, Q., Li, Y., Jin, X., Peng, Q., Liu, X., & Wu, Y. (2016). Microwave-assisted synthesis of chitosan biguanidine hydrochloride and its antioxidant activity in vitro. Journal of Applied Polymer Science, 133(25), art. no. 43570, SCOPUS

ADCA372 KOVÁČIK, Vladimír - HIRSCH, Ján - KOVÁČ, Pavol - HEERMA, W. - THOMASOATES, J. - HAVERKAMP, J. Oligosaccharide characterization using collision-induced dissociation fast-atom-bombardment mass spectrometry - evidence for internal monosaccharide residue loss. In Journal of Mass Spectrometry, 1995, vol. 30, p. 949-958. ISSN 1076-5174.

Citácie:

1. [1.1] Wong, YLE (Wong, Y-L. Elaine); Chen, XF (Chen, Xiangfeng); Li, W (Li, Wan); Wang, Z (Wang, Ze); Hung, YLW (Hung, Y. -L. Winnie); Wu, R (Wu, Ri); Chan, TWD (Chan, T. -W. Dominic): Differentiation of Isomeric Ginsenosides by Using Electron-Induced Dissociation Mass Spectrometry. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 11 Pages: 5590-5594, WOS

2. [1.2] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

ADCA373 KOVÁČOVÁ, Kristína, Vadinová - DEGANI, Genny - STRATILOVÁ, Eva - FARKAŠ, Vladimír - POPOLO, Laura. Catalytic properties of Phr family members of cell wall glucan remodeling enzymes: implications for the adaption of Candida albicans to ambient pH. In FEMS Yeast Research, 2015, vol.15, p. fou11 (13 pages. ISSN 1567-1356.

Citácie:

1. [1.1] Matsushika, A (Matsushika, Akinori); Negi, K (Negi, Kanako); Suzuki, T (Suzuki, Toshihiro); Goshima, T (Goshima, Tetsuya); Hoshino, T (Hoshino, Tamotsu): Identification and Characterization of a Novel Issatchenkia orientalis GPI-Anchored Protein, IoGas1, Required for Resistance to Low pH and Salt Stress. In: PLOS ONE Volume: 11 Issue: 9 Article Number: e0161888, WOS

ADCA374 KOZMON, Stanislav - MATUŠKA, Radek - SPIWOK, Vojtech - KOČA, Jaroslav. Dispersion interactions of carbohydrates with condensate aromatic moieties: Theoretical study on the CH-pí interaction additive properties. In Physical Chemistry Chemical Physics, 2011, vol. 13, p. 14215-14222. (3.453 - IF2010). (2011 - Current Contents). ISSN 1463-9076.

Citácie:

1. [1.1] Chu, TS (Chu, Tian-shu); Liu, BT (Liu, Bai-tong): Establishing new mechanisms with triplet and singlet excited-state hydrogen bonding roles in photoinduced liquid dynamics. In: INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY Volume: 35 Issue: 2 Pages: 187-208, WOS

2. [1.1] Hayashi, S (Hayashi, Satoko); Sugibayashi, Y (Sugibayashi, Yuji); Nakanishi, W (Nakanishi, Waro): Quantum chemical calculations with the AIM approach applied to the pi-interactions between hydrogen chalcogenides and naphthalene. In: RSC ADVANCES Volume: 6 Issue: 55 Pages: 49651-49660, WOS

3. [1.1] Li, MM (Li Min-Min); Xiong, YT (Xiong Yu-Ting); Qing, GY (Qing Guang-Yan); Sun, TL (Sun Tao-Lei): Advances in CH-pi Interactions Between Carbohydrate and Protein. In: PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS Volume: 43 Issue: 2 Pages: 115-127, WOS

ADCA375 KRAMÁROVÁ, Z. - ALEXY, P. - CHODÁK, Ivan - ŠPIRK, E. - HUDEC, I. - KOŠÍKOVÁ, Božena - GREGOROVÁ, Anna - ŠÚRI, P. - FERANC, J. - BUGAJ, P. - ĎURAČKA, M. Biopolymers as fillers for rubber blends. In Polymers for Advanced Technologies, 2007, vol. 18, p. 132-140. (1.406 - IF2006). (2007 - Current Contents). ISSN 1042-7147.

Citácie:

1. [1.1] FORMELA, K. - HEJNA, A. - PISZCZYK, A. - SAEB, M.R. - COLOM, X. Processing and

structure-property relationships of natural rubber/wheat bran biocomposites. In CELLULOSE. ISSN 0969-0239, OCT 2016, vol. 23, no. 5, p. 3157-3175., WOS

ADCA376 KRÁTKY, Z. - BIELY, Peter - BAUER, Štefan. Mechanism of 2-deoxy-D-glucose inhibition of cell wall polysaccharide and glycoprotein biosyntheses in Saccharomyces cerevisiae. In European Journal of Biochemistry, 1975, vol. 54, p. 459-467. ISSN 0014-2956.

Citácie:

1. [1.1] Vishwanatha, A (Vishwanatha, Akshay); Rallis, C (Rallis, Charalampos) et al: Identification of nuclear genes affecting 2-Deoxyglucose resistance in Schizosaccharomyces pombe. In: FEMS YEAST RESEARCH Volume: 16 Issue: 6 Article Number: fow061, WOS

ADCA377 KREMNICKÝ, Ľubomir - BIELY, Peter. Disaccharide permeases - constituents of xylanolytic and mannanolytic systems of Aureobasidium pullulans. In Biochimica et Biophysica Acta, 1998, vol. 1425, p. 560-566.

Citácie:

1. [1.1] Ravichandra, K (Ravichandra, K.); Yaswanth, VVN (Yaswanth, V. V. N.); Nikhila, B (Nikhila, B.); Ahmad, J (Ahmad, Jamal); Rao, PS (Rao, P. Srinivasa); Uma, A (Uma, A.); Ravindrababu, V (Ravindrababu, V.); Prakasham, RS (Prakasham, R. S.): Xylanase Production by Isolated Fungal Strain, Aspergillus fumigatus RSP-8 (MTCC 12039): Impact of Agro-industrial Material as Substrate. In: SUGAR TECH Volume: 18 Issue: 1 Pages: 29-38, WOS

ADCA378 KREMNICKÝ, Ľubomir - MASTIHUBA, Vladimír - CÔTÉ, G.L. Trichoderma reesei acetyl esterase catalyzes transesterification in water. In Journal of Molecular Catalysis B: Enzymatic, 2004, vol. 30, p. 229-239. ISSN 1381-1177.

Citácie:

1. [1.1]): Nikolaivits, E (Nikolaivits, Efstratios); Norra, GF (Norra, Giannis-Florjan); Voutsas, E (Voutsas, Epaminondas); Topakas, E (Topakas, Evangelos): Cutinase from Fusarium oxysporum catalyzes the acylation of tyrosol in an aqueous medium: Optimization and thermodynamic study of the reaction. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 129 Pages: 29-36, WOS

2. [1.1] Adesioye, FA (Adesioye, Fiyinfoluwa A.); Makhalanyane, TP (Makhalanyane, Thulani P.); Biely, P (Biely, Peter); Cowan, DA (Cowan, Don A.): Phylogeny, classification and metagenomic bioprospecting of microbial acetyl xylan esterases. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 93-94 Pages: 79-91, WOS

3. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

ADCA379 KREMNICKÝ, Ľubomir - BIELY, Peter. Unique mode of acetylation of oligosaccharides in aqueous two-phase system by Trichoderma reesei acetyl esterase. In Journal of Molecular Catalysis B - Enzymatic, 2005, vol. 37, p. 72-78. ISSN 1381-1177.

Citácie:

1. [1.1] Nikolaivits, E (Nikolaivits, Efstratios); Norra, GF (Norra, Giannis-Florjan); Voutsas, E (Voutsas, Epaminondas); Topakas, E (Topakas, Evangelos): Cutinase from Fusarium oxysporum catalyzes the acylation of tyrosol in an aqueous medium: Optimization and thermodynamic study of the reaction. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 129 Pages: 29-36, WOS

ADCA380 KRIST, P. - VANNUCCI, L. - KUZMA, M. - MAN, P. - SADALAPURE, K. - PATEL, A. - BEZOUŠKA, K. - POSPÍŠIL, M. - PETRUŠ, Ladislav - LINDHORST, T.K. - KŘEN, V. Fluorescent labelled thiourea-bridged glycodendrons. In Chembiochem : a European journal of chemical biology, 2004, vol. 5, p. 445-452. ISSN 1439-4227.

Citácie:

1. [1.1] Hao, NJ (Hao, Nanjing); Neranon, K (Neranon, Kitjanit); Ramstrom, O (Ramstrom, Olof); Yan, MD (Yan, Mingdi): Glyconanomaterials for biosensing applications. In: BIOSENSORS & BIOELECTRONICS Volume: 76 Special Issue: SI Pages: 113-130, WOS

ADCA381 KRIŽKOVÁ, L. - ŽITŇANOVÁ, I. - MISLOVIČOVÁ, Danica - MASÁROVÁ, Jana - SASINKOVÁ, Vlasta - ĎURAČKOVÁ, Z. - KRAJČOVIČ, J. Antioxidant and antimutagenic activity of manna neoglycoconjugates: Manna-human serum albumine and mannann-penicilin G acylase. In Mutation research-genetic toxicology and environmental mutagenesis, 2006, vol. 606, p. 72-79. ISSN 1383-5718.

Citácie:

1. [1.2] Abdolshahi, A., Yazdi, F. T., Shabani, A. A., Mortazavi, S. A., & Nafchi, A. M. (2016). Antifungal properties of gelatin-based coating containing mannoprotein from saccharomyces cerevisiae on aspergillus flavus growth in pistachio. Journal of Mazandaran University of Medical Sciences, 26(139), 93-102, SCOPUS

ADCA382 KRIŽKOVÁ, L. - ĎURAČKOVÁ, Z. - ŠANDULA, Jozef - SASINKOVÁ, Vlasta - KRAJČOVIČ, J. Antioxidative and antimutagenic activity of yeast vell wall mannans in vitro. In Mutation Research,

2001, vol. 497, p. 213-222. ISSN 1568-7864.

Citácie:

1. [1.1] El-Far, AH (El-Far, Ali H.); Ahmed, HA (Ahmed, Hamada A.); Shaheen, HM (Shaheen, Hazem M.): Dietary Supplementation of Phoenix dactylifera Seeds Enhances Performance, Immune Response, and Antioxidant Status in Broilers. In: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 5454963, WOS

2. [1.1] Fdhila, K (Fdhila, Kais); Haddaji, N (Haddaji, Najla); Chakroun, I (Chakroun, Ibtissem); Macherki, MEE (Macherki, Mohammed Ezz Eddine); Nefzi, F (Nefzi, Faten); Bakhrouf, A (Bakhrouf, Amina): Glucomannan's protective effect on the virulence of Vibrio splendidus in pacific oyster. In: : FISH & SHELLFISH IMMUNOLOGY Volume: 56 Pages: 410-416, WOS

3. [1.1] Freitas, F (Freitas, Filomena); Roca, C (Roca, Christophe); Reis, MAM (Reis, Maria A. M.): Fungi as Sources of Polysaccharides for Pharmaceutical and Biomedical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3, BIODEGRADABLE POLYMERS Pages: 61-103, WOS

4. [1.1] Li, XH (Li, X. H.); Chen, YP (Chen, Y. P.); Cheng, YF (Cheng, Y. F.); Yang, WL (Yang, W. L.); Wen, C (Wen, C.); Zhou, YM (Zhou, Y. M.): Effect of yeast cell wall powder with different particle sizes on the growth performance, serum metabolites, immunity and oxidative status of broilers. In: ANIMAL FEED SCIENCE AND TECHNOLOGY Volume: 212 Pages: 81-89, WOS

5. [1.1] Nyman, AAT (Nyman, Anna Armika T.); Aachmann, FL (Aachmann, Finn L.); Rise, F (Rise, Frode); Ballance, S (Ballance, Simon); Samuelsen, ABC (Samuelsen, Anne Berit C.): Structural characterization of a branched (1 -> 6)-alpha-mannan and beta-glucans isolated from the fruiting bodies of Cantharellus cibarius. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 197-207, WOS

6. [1.1] Varelas, V (Varelas, Vassileios); Liouni, M (Liouni, Maria); Calokerinos, AC (Calokerinos, Antony C.); Nerantzis, ET (Nerantzis, Elias T.): An evaluation study of different methods for the production of -D-glucan from yeast biomass. In: DRUG TESTING AND ANALYSIS Volume: 8 Issue: 1 Pages: 46-56, WOS

ADCA383 KRIŽKOVÁ, L. - ĎURAČKOVÁ, Z. - ŠANDULA, Jozef - SLAMEŇOVÁ, D. - SASINKOVÁ, Vlasta - SIVOŇOVÁ, M. - KRAJČOVIČ, J. Fungal beta-(1-3)-D-glucan derivatives exhibit high antioxidative and antimutagenic activity in vitro. In Anticancer Research, 2003, vol. 23, p. 2751-2756. ISSN 0250-7005.

Citácie:

1. [1.1] Cuong, DV (Dang Van Cuong); Kim, HK (Kim, Hyoung Kyu); Marquez, J (Marquez, Jubert); Kim, N (Kim, Nari); Ko, KS (Ko, Kyung Soo); Rhee, BD (Rhee, Byoung Doo); Han, J (Han, Jin): Mitochondrial calcium uniporter inhibition attenuates mouse bone marrow-derived mast cell degranulation induced by beta-1,3-glucan. In: KOREAN JOURNAL OF PHYSIOLOGY & PHARMACOLOGY Volume: 20 Issue: 2 Pages: 213-220, WOS

2. [1.1] Selli, J (Selli, Jale); Unal, D (Unal, Deniz); Mercantepe, F (Mercantepe, Filiz); Akaras, N (Akaras, Nurhan); Kabayel, R (Kabayel, Rabia); Unal, B (Unal, Bunyami); Atilay, H (Atilay, Hilal): Protective effects of beta glucan in brain tissues of post-menopausal rats: a histochemical and ultra-structural study. In: GYNECOLOGICAL ENDOCRINOLOGY Volume: 32 Issue: 3 Pages: 234-239, WOS

ADCA384 KRIŽKOVÁ, Lívia - ĎURAČKOVÁ, Zdena - ŠANDULA, Jozef - SLAMEŇOVÁ, Darina - SASINKOVÁ, Vlasta - SIVOŇOVÁ, Monika - KRAJČOVIČ, Juraj. Fungal beta-(1-3)-D-glucan derivatives exhibit high antioxidative and antimutagenic activity in vitro. In Anticancer Research : International Journal of Cancer Research and Treatment. - Athens : J. G. Delinassios, 2003, vol. 23, no. 3B, p. 2751-2756. ISSN 0250-7005.

Citácie:

1. [1.1] DANG VAN CUONG - KIM, Hyoung Kyu - MARQUEZ, Jubert - KIM, Nari - KO, Kyung Soo - RHEE, Byoung Doo - HAN, Jin. Mitochondrial calcium uniporter inhibition attenuates mouse bone marrow-derived mast cell degranulation induced by beta-1,3-glucan. In KOREAN JOURNAL OF PHYSIOLOGY & PHARMACOLOGY. ISSN 1226-4512, 2016, vol. 20, no. 2, pp. 213., WOS

2. [1.1] SELLI, Jale - UNAL, Deniz - MERCANTEPE, Filiz - AKARAS, Nurhan - KABAYEL, Rabia - UNAL, Bunyami - ATILAY, Hilal. Protective effects of beta glucan in brain tissues of post-menopausal rats: a histochemical and ultra-structural study. In GYNECOLOGICAL ENDOCRINOLOGY. ISSN 0951-3590, 2016, vol. 32, no. 3, pp. 234., WOS

ADCA385 KRONEK, Juraj - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - MENDREK, Barbara. In vitro bio-immunological and cytoxicity studies of poly(2-oxazolines). In Journal of Materials Science: Materials in Medicine, 2011, vol. 22, p. 1725 - 1734. (2.325 - IF2010). (2011 - Current Contents). ISSN 0957-4530.

Citácie:

1. [1.1] HADLER, C. - ALIUOS, P. - BRANDES, G. - WARNECKE, A. - BOHLMANN, J. -

DEMPWOLF, W. - MENZEL, H. - LENARZ, T. - REUTER, G. - WISSEL, K. Polymer Coatings of Cochlear Implant Electrode Surface - An Option for Improving Electrode-Nerve-Interface by Blocking Fibroblast Overgrowth. In PLOS ONE. ISSN 1932-6203, JUL 8 2016, vol. 11, no. 7., WOS
2. [1.1] LEISKE, M.N. - HARTLIEB, M. - SOBOTTA, F.H. - PAULUS, R.M. - GORLS, H. - BELLSTEDT, P. - SCHUBERT, U.S. Cationic ring-opening polymerization of protected oxazolidine imines resulting in gradient copolymers of poly(2-oxazoline) and poly(urea). In POLYMER CHEMISTRY. ISSN 1759-9954, 2016, vol. 7, no. 30, p. 4924-4936., WOS
3. [1.1] LUO, Z.C. - JIN, L. - XU, L. - ZHANG, Z.L. - YU, J. - SHI, S. - LI, X.Y. - CHEN, H. Thermosensitive PEG-PCL-PEG (PECE) hydrogel as an in situ gelling system for ocular drug delivery of diclofenac sodium. In DRUG DELIVERY. ISSN 1071-7544, JAN 2 2016, vol. 23, no. 1, p. 63-68., WOS
4. [1.1] WYFFELS, L. - VERBRUGGHEN, T. - MONNERY, B.D. - GLASSNER, M. - STROOBANTS, S. - HOOGENBOOM, R. - STAELENS, S. mu PET imaging of the pharmacokinetic behavior of medium and high molar mass Zr-89-labeled poly(2-ethyl-2-oxazoline) in comparison to poly(ethylene glycol). In JOURNAL OF CONTROLLED RELEASE. ISSN 0168-3659, AUG 10 2016, vol. 235, p. 63-71., WOS
5. [1.1] YILDIRIM, I. - BUS, T. - SAHN, M. - YILDIRIM, T. - KALDEN, D. - HOEPPENER, S. - TRAEGER, A. - WESTERHAUSEN, M. - WEBER, C. - SCHUBERT, U.S. Fluorescent amphiphilic heterografted comb polymers comprising biocompatible PLA and PEtOx side chains. In POLYMER CHEMISTRY. ISSN 1759-9954, 2016, vol. 7, no. 39, p. 6064-6074., WOS

ADCA386 KRONEK, Juraj - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - KRONEKOVÁ, Zuzana - LUSTOŇ, Jozef. Immunomodulatory efficiency of poly(2-oxazolines). In Journal of Materials Science: Materials in Medicine, 2012, vol. 23, no. 6, p. 1457-1464. (2.316 - IF2011). (2012 - Current Contents). ISSN 0957-4530.

Citácie:

1. [1.1] LEISKE, M.N. - HARTLIEB, M. - SOBOTTA, F.H. - PAULUS, R.M. - GORLS, H. - BELLSTEDT, P. - SCHUBERT, U.S. Cationic ring-opening polymerization of protected oxazolidine imines resulting in gradient copolymers of poly(2-oxazoline) and poly(urea). In POLYMER CHEMISTRY. ISSN 1759-9954, 2016, vol. 7, no. 30, p. 4924-4936., WOS

ADCA387 KRUPIČKA, Martin - TVAROŠKA, Igor. Hybrid quantum mechanical/molecular mechanical investigation of the β-1,4-galactosyltransferase-I mechanism. In Journal of Physical Chemistry B, 2009, vol. 113, p. 11314-11319. (4.189 - IF2008). (2009 - Current Contents). ISSN 1520-6106.

Citácie:

1. [1.1] Knott, BC (Knott, Brandon C.); Crowley, MF (Crowley, Michael F.); Himmel, ME (Himmel, Michael E.); Zimmer, J (Zimmer, Jochen); Beckham, GT (Beckham, Gregg T.): Simulations of cellulose translocation in the bacterial cellulose synthase suggest a regulatory mechanism for the dimeric structure of cellulose. In: CHEMICAL SCIENCE Volume: 7 Issue: 5 Pages: 3108-3116, WOS
2. [1.1] Mayes, HB (Mayes, Heather B.); Knott, BC (Knott, Brandon C.); Crowley, MF (Crowley, Michael F.); Broadbelt, LJ (Broadbelt, Linda J.); Stahlberg, J (Stahlberg, Jerry); Beckham, GT (Beckham, Gregg T.): Who's on base? Revealing the catalytic mechanism of inverting family 6 glycoside hydrolases. In: CHEMICAL SCIENCE Volume: 7 Issue: 9 Pages: 5955-5968, WOS
3. [1.1] Sobhanifar, S (Sobhanifar, Solmaz); Worrall, LJ (Worrall, Liam J.); King, DT (King, Dustin T.); Wasney, GA (Wasney, Gregory A.); Baumann, L (Baumann, Lars); Gale, RT (Gale, Robert T.); Nosella, M (Nosella, Michael); Brown, ED (Brown, Eric D.); Withers, SG (Withers, Stephen G.); Strynadka, NCJ (Strynadka, Natalie C. J.): Structure and Mechanism of Staphylococcus aureus TarS, the Wall Teichoic Acid beta-glycosyltransferase Involved in Methicillin Resistance. In: PLOS PATHOGENS Volume: 12 Issue: 12 Article Number: e1006067, WOS

ADCA388 KRUTOŠÍKOVÁ, Alžbeta - DANDÁROVÁ, M. - ALFOLDI, Juraj. 5-Aryl-2-furancarbaldehyde hydrazones and related compounds. In Journal of Physical Chemistry B, 2009, vol. 113, p. 11314-11319. (4.189 - IF2008). (2009 - Current Contents). ISSN 1520-6106.

Citácie:

1. [1.1] Hassan, AS (Hassan, A. S.); Osman, SA (Osman, Souad A.); Hafez, TS (Hafez, Taghrid S.): 5-Phenyl-2-furaldehyde: Synthesis, Reactions and Biological Activities. In: EGYPTIAN JOURNAL OF CHEMISTRY Volume: 58 Issue: 2 Pages: 113-139, WOS

ADCA389 KŠONŽEKOVÁ, Petra - BYSTRICKÝ, Peter - VLČKOVÁ, Silvia - PÄTOPRSTÝ, Vladimír - PULZOVÁ, Lucia - MUDROŇOVÁ, Dagmar - KUBAŠKOVÁ, Terézia - CSANK, Tomáš - TKÁČIKOVÁ, Ľudmila. Exopolysaccharides of Lactobacillus reuteri: their influence on adherence of E. coli to epithelial cells and inflammatory. In Carbohydrate Polymers, 2016, vol. 141, p. 10-19. (4.219 - IF2015). (2016 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Zhang, ZH (Zhang, Zhihong); Liu, ZQ (Liu, Zhengqi); Tao, XY (Tao, Xueying); Wei, H (Wei, Hua): Characterization and sulfated modification of an exopolysaccharide from Lactobacillus plantarum ZDY2013 and its biological activities. In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 25-33, WOS

ADCA390 KUBALA, Jozef - RUŽIČKOVÁ, J. - NIČKOVÁ, K. - ŠANDULA, Jozef - ČÍŽ, M. - LOJEK, A. The effect of (1-3)-beta-D-glucans, carboxymethylglucan and schiziphyllan on human leukocytes in vitro. In Carbohydrate Research, 2003, vol. 338, p. 2835-2840. (1.631 - IF2002). (2003 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Hirabayashi, K (Hirabayashi, Katsuki); Kondo, N (Kondo, Nobuhiro); Hayashi, S (Hayashi, Sachio): Characterization and enzymatic hydrolysis of hydrothermally treated beta-1,3-1,6-glucan from Aureobasidium pullulans. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 12 Article Number: 206, WOS

2. [1.1] Meng, X (Meng, Xin); Liang, HB (Liang, Hebin); Luo, LX (Luo, Lixin): Antitumor polysaccharides from mushrooms: a review on the structural characteristics, antitumor mechanisms and immunomodulating activities. In: CARBOHYDRATE RESEARCH Volume: 424 Pages: 30-41, WOS

3. [1.1] Wong, J (Wong, Jonathan); Zhang, YL (Zhang, Yonglong); Patidar, A (Patidar, Ashish); Vilar, E (Vilar, Enric); Finkelman, M (Finkelman, Malcolm); Farrington, K (Farrington, Ken): Is Endotoxemia in Stable Hemodialysis Patients an Artefact? Limitations of the Limulus Amebocyte Lysate Assay and Role of (1 -> 3)-beta-D Glucan. In: PLOS ONE Volume: 11 Issue: 10 Article Number: e0164978, WOS

ADCA391 KUČÁR, Š.. Transformation of 3-deoxysaccharides in alkaline medium. In Collection of Czechoslovak Chemical Communications, 1976, vol. 41, p. 2592-2595. ISSN 0010-0765.

Citácie:

1. [1.1] Lu, TN (Lu, Tai-Ni); Chang, CC (Chang, Che-Chien): Synthesis of 3-Deoxy-L-ketohexoses through Group Transfer. In:, WOS

ADCA392 KUMARI, Manju - KOZMON, Stanislav - KULHÁNEK, Petr - ŠTĚPÁN, Jakub - TVAROŠKA, Igor - KOČA, Jaroslav. Exploring reaction pathways for O-GlcNAc transferase catalysis. A string method study. In Journal of Physical Chemistry B, 2015, vol. 119, p. 4371-4381. (3.302 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1520-6106.

Citácie:

1. [1.1] Levine, ZG (Levine, Zebulon G.); Walker, S (Walker, Suzanne): The Biochemistry of O-GlcNAc Transferase: Which Functions Make It Essential in Mammalian Cells?. In: ANNUAL REVIEW OF BIOCHEMISTRY, VOL 85 Book Series Title: Annual Review of Biochemistry Volume: 85 Pages: 631-657, WOS

2. [1.1] Maximova, T (Maximova, Tatiana); Moffatt, R (Moffatt, Ryan); Ma, BY (Ma, Buyong); Nussinov, R (Nussinov, Ruth); Shehu, A (Shehu, Amarda): Principles and Overview of Sampling Methods for Modeling Macromolecular Structure and Dynamics. In: PLOS COMPUTATIONAL BIOLOGY Volume: 12 Issue: 4 Article Number: e1004619, WOS

3. [1.1] Mayes, HB (Mayes, Heather B.); Knott, BC (Knott, Brandon C.); Crowley, MF (Crowley, Michael F.); Broadbelt, LJ (Broadbelt, Linda J.); Stahlberg, J (Stahlberg, Jerry); Beckham, GT (Beckham, Gregg T.): Who's on base? Revealing the catalytic mechanism of inverting family 6 glycoside hydrolases. In: CHEMICAL SCIENCE Volume: 7 Issue: 9 Pages: 5955-5968, WOS

4. [1.1] Merino, P (Merino, Pedro); Delso, I (Delso, Ignacio); Tejero, T (Tejero, Tomas); Ghirardello, M (Ghirardello, Mattia); Juste-Navarro, V (Juste-Navarro, Veronica): Nucleoside Diphosphate Sugar Analogues that Target Glycosyltransferases. In: ASIAN JOURNAL OF ORGANIC CHEMISTRY Volume: 5 Issue: 12 Pages: 1413-1427, WOS

5. [1.1] Wu, D (Wu, D.); Fajer, MI (Fajer, M. I.); Cao, L (Cao, L.); Cheng, X (Cheng, X.); Yang, W (Yang, W.): Generalized Ensemble Sampling of Enzyme Reaction Free Energy Pathways. In: COMPUTATIONAL APPROACHES FOR STUDYING ENZYME MECHANISM, PT A Book Series Title: Methods in Enzymology Volume: 577 Pages: 57-74, WOS

ADCA393 KUNTOTHOM, T. - RAAB, Michal - TVAROŠKA, Igor - FORT, S. - PENTHAISONG, S. - CANADA, S. - CALLE, L. - JIMENEZ-BARBERO, J. - CAIRNS, J.R.K. - HRMOVÁ, Mária. Binding of β-D-glucosides and β-D-mannosides by rice and barley β-D-glycosidases with distinct substrate specificities. In Biochemistry, 2010, vol. 49, p. 8779-8793. (3.226 - IF2009). (2010 - Current Contents). ISSN 0006-2960.

Citácie:

1. [1.2] Finnie, C., & Svensson, B. (2016). Barley grain proteins. In Barley: Chemistry and technology: Second edition (Elsevier, chapter 6, pp. 123-168), SCOPUS

ADCA394 KUPSÁKOVÁ, Ivana - RYBAR, Alfonz - DOČOLOMANSKÝ, Peter - DROBNÁ, Zuzana - ULRIKE, Stein - WOLFGANG, Walther - BARANČÍK, Miroslav - BREIER, Albert. Reversal of P-glycoprotein mediated vincristine resistance of L1210/VCR cells by analogues of pentoxifylline - A

QSAR study. In European Journal of Pharmaceutical Sciences, 2004, vol.21, ., p. ISSN 0928-0987.
Citácie:
1. [1.1] TRIEU-DU NGO - THANH-DAO TRAN - MINH-TRI LE - KHAC-MINH THAI. Computational predictive models for P-glycoprotein inhibition of in-house chalcone derivatives and drug-bank compounds. In MOLECULAR DIVERSITY. ISSN 1381-1991, 2016, vol. 20, no. 4, pp. 945-961., WOS

ADCA395 KURILLOVÁ, Ľubica - GEMEINER, Peter - ILAVSKÝ, M. - ŠTEFUCA, V. - POLAKOVIČ, M. - VIKARTOVSKÁ, Alica, Welwardová - TÓTH, D. Calcium pectate gel beads for cell entrapment. 4. Properties of stabilized and hardened calcium pectate gel beads with and without cells. In Biotechnology and Applied Biochemistry, 1992, vol. 16, p. 236-251. ISSN 0885-4513.
Citácie:
1. [1.1] Wahba, MI (Wahba, Marwa I.): Treated calcium pectinate beads for the covalent immobilization of beta-D-galactosidase. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 877-886, WOS

ADCA396 KURILLOVÁ, Ľubica - GEMEINER, Peter - VIKARTOVSKÁ, Alica, Welwardová - MIKOVÁ, H. - ROSENBERG, M. - ILAVSKÝ, M. Calcium pectate gel beads for cell entrapment. 6. Morphology of stabilized and hardened calcium pectate gel beads with cells for immobilized biotechnology. In Journal of Microencapsulation, 2000, vol. 17, p. 279-296. (0.990 - IF1999). (2000 - Current Contents). ISSN 0265-2048.
Citácie:
1. [1.1] Wahba, MI (Wahba, Marwa I.): Treated calcium pectinate beads for the covalent immobilization of beta-D-galactosidase. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 91 Pages: 877-886, WOS

ADCA397 KVAM, B.J. - FRAGONAS, E. - DEGRASSI, A. - KVAM, C. - MATULOVÁ, Mária - POLLESELLO, P. - ZANETTI, F. - VITTUR, F. Oxygen-derived free-radical (ODFR) action on hyaluronan (HA), on 2 HA ester derivarives,and on the metabolism of aricularChonderoicytes. In Experimental Cell Research, 1995, vol. 218, p. 79-86. ISSN 0014-4827.
Citácie:
1. [1.1] Beniamino, P (Beniamino, P.); Vadala, M (Vadala, M.); Laurino, C (Laurino, C.): Cross-linked hyaluronic acid in pressure ulcer prevention. In: JOURNAL OF WOUND CARE Volume: 25 Issue: 7 Pages: 400-405, WOS
2. [1.1] Lee, M (Lee, Moses); Han, SH (Han, Seung Hwan); Choi, WJ (Choi, Woo Jin); Chung, KH (Chung, Kwang Ho); Lee, JW (Lee, Jin Woo): WOUND REPAIR AND REGENERATION Volume: 24 Issue: 3 Pages: 581-588, WOS
3. [1.1] Tuygun, F., & Atasoy, N. (2016). Comparison on the effects of some glicosaminogylican derives (chitosan and hyaluronan) in diabetic wound healing. [Diyabetik yaralarin iyileşmesinde bazi glikozaminoglikan maddelerin (Kitosan ve Hyaluronan) etkilerinin karşilaştirilmasi]. Ataturk Universitesi Veteriner Bilimleri Dergisi, 11(2), 212-223, SCOPUS

ADCA398 KYLLI, P. - NOUSIAINEN, P. - BIELY, Peter - SIPILA, J. - TENKANEN, M. - HEINONEN, M. Antioxidant potential of hydroxycinnamic acid glycoside esters. In Journal of agricultural and food chemistry, 2008, vol. 56, p. 4797-4805. (2.532 - IF2007). ISSN 0021-8561.
Citácie:
1. [1.1] Chen, CY (Chen, Chunye): Sinapic Acid and Its Derivatives as Medicine in Oxidative Stress-Induced Diseases and Aging.OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 3571614, WOS
2. [1.1] Duan Zhi-fang; Shao Ling; Li Sai-nan: Synthesis and antioxidative activity of flavone derivatives containing 1,2,4-triazole structure. In: Yaoxue Xuebao Volume: 50 Issue: 7 Pages: 861-867, WOS
3. [1.1] Le Roy, J (Le Roy, Julien); Huss, B (Huss, Brigitte); Creach, A (Creach, Anne); Hawkins, S (Hawkins, Simon); Neutelings, G (Neutelings, Godfrey).: Glycosylation Is a Major Regulator of Phenylpropanoid Availability and Biological Activity in Plants. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 735, WOS
4. [1.1] Li, Y (Li, Y.); Yang, C (Yang, C.): Synthesis and properties of feruloyl corn bran arabinoxylan esters. In: INTERNATIONAL JOURNAL OF COSMETIC SCIENCE Volume: 38 Issue: 3 Pages: 238-245, WOS
5. [1.1] Ma, Y (Ma, Yi); Hou, CJ (Hou, Chang-Jun); Fa, HB (Fa, Huan-Bao); Huo, DQ (Huo, Dan-Qun); Yang, M (Yang, Mei): Synthesis and antioxidant property of hydroxycinnamoyl maltodextrin derivatives. In: INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY Volume: 51 Issue: 11 Pages: 2450-2459, WOS

ADCA399 LÁBAJ, Juraj - SLAMEŇOVÁ, Darina - KOŠÍKOVÁ, Božena. Reduction of Genotoxic Effects of the Carcinogen N-Methyl-N´-Nitro-N-Nitrosoguanidine by Dietary Lignin in Mammalian Cells Cultured In Vitro. In Nutrition and Cancer. - Philadelphia : Lawrence Erlbaum Associates - Taylor & Francis, 2004, vol. 47, no. 1, p. 95-103. ISSN 0163-5581.

Citácie:
1. [1.2] ESPINOZA-ACOSTA, José Luis - TORRES-CHÁVEZ, Patricia Isabel - RAMÍREZ-WONG, Benjamín - LÓPEZ-SAIZ, Carmen María - MONTAÑO-LEYVA, Beatriz. Antioxidant, antimicrobial, and antimutagenic properties of technical lignins and their applications. In BioResources, 2016-05-01, 11, 2, pp. 5452-5481., SCOPUS

ADCA400 LÁCOVÁ, M. - EL-SHAER, H.M. - LOOS, D. - MATULOVÁ, Mária - CHOVANCOVÁ, J. - FURDÍK, M. Evaluation of effect of microwave irradiation on syntheses and reactions of some new 3-acyl-methyl-chromones. In Molecules, 1998, vol. 3, p. 120-131. ISSN 1420-3049.

Citácie:
1. [1.1] Ghosh, CK (Ghosh, Chandra Kanta); Chakraborty, A (Chakraborty, Amarnath): Chemistry of 3-carbonyl-2-methyl-4-oxo-4H-1-benzopyrans. In: ARKIVOC Special Issue: SI Pages: 111-149, WOS

ADCA401 LÁCOVÁ, M. - LOOS, D. - FURDÍK, M. - MATULOVÁ, Mária - EL-SHAER, H.M. Synthesis and reactions of new 4-oxo-4H-benzopyran-3-carboxaldehydes containing hydroxy groups or 2-oxopyran cycles. In Molecules, 1998, vol. 3, p. 149-158. ISSN 1420-3049.

Citácie:
1. [1.1] Adhikari, S (Adhikari, Susanta); Mandal, S (Mandal, Sandip); Ghosh, A (Ghosh, Avijit); Guria, S (Guria, Subhajit); Das, D (Das, Debasis): Tuning of donor-acceptor linker in rhodamine-coumarin conjugates leads remarkable solvent dependent FRET efficiency for Al3+ imaging in HeLa cells. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 234 Pages: 222-230, WOS
2. [1.1] Datar, PA (Datar, Prasanna A.); Auti, PB (Auti, Pratibha B.): Design and synthesis of novel 4-substituted 1,4-dihydropyridine derivatives as hypotensive agents. In: JOURNAL OF SAUDI CHEMICAL SOCIETY Volume: 20 Issue: 5 Pages: 510-516, WOS

ADCA402 LANGER, Vratislav - SCHOLTZOVÁ, Eva - KOÓŠ, Miroslav. 3-(4-Bromophenyl)-5-(4-dimethylaminophenyl)-1-phenyl-2-pyrazoline: X ray and density functional theory (DFT) studies. In Acta Crystallographica C.Crystal Structure Communications, 2007, vol. 63, no. 6, p. o340-o342. (0.896 - IF2006). (2007 - Current Contents). ISSN 0108-2701.

Citácie:
1. [1.1] ASIRI, A. M. - KARABACAK, M. - SAKTHIVEL, S. - AL-YOUBI, A. O. - MUTHU, S. - HAMED, S. A. - RENUGA, S. - ALAGESAN, T. Synthesis, molecular structure, spectral investigation on (E)-1-(4-bromophenyl)-3-(4-(dimethylamino)phenyl)prop-2-en-1-one. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2016, vol. 1103, no., pp. 145-155., WOS

ADCA403 LATTOVÁ, Erika - PERREAULT, Hélene. The usefulness of hydrazine derivatives for mass spectrometric analysis of carbohydrates. In Mass Spectrometry Reviews, 2013, vol. 32, p. 366-385. (7.735 - IF2012). (2013 - Current Contents). ISSN 0277-7037.

Citácie:
1. [1.1] Lu, HJ (Lu, Haojie); Zhang, Y (Zhang, Ying); Yang, PY (Yang, Pengyuan): Advancements in mass spectrometry-based glycoproteomics and glycomics. In: NATIONAL SCIENCE REVIEW Volume: 3 Issue: 3 Pages: 345-364, WOS
2. [1.1] Rotaru, KI (Rotaru, K. I.); Zenkevich, IG (Zenkevich, I. G.); Kostikov, RR (Kostikov, R. R.): GC/MS characterization of monosubstituted hydrazones of glyoxylic acid ethyl ester. In: JOURNAL OF ANALYTICAL CHEMISTRY Volume: 71 Issue: 14 Pages: 1377-1380, WOS
3. [1.1] Stefanowicz, P (Stefanowicz, Piotr); Kluczyk, A (Kluczyk, Alicja); Szewczuk, Z (Szewczuk, Zbigniew): Derivatization of peptides for improved detection by mass spectrometry. In: AMINO ACIDS, PEPTIDES AND PROTEINS, VOL 40 Book Series Title: Amino Acids Peptides and Proteins-Specialist Periodical Report Volume: 40 Pages: 36-74, WOS
4. [1.1] Topolyan, AP (Topolyan, A. P.); Strizhevskaya, DA (Strizhevskaya, D. A.); Slyundina, MS (Slyundina, M. S.); Belyaeva, MA (Belyaeva, M. A.); Ivanova, OM (Ivanova, O. M.); Korshun, VA (Korshun, V. A.); Ustinov, AV (Ustinov, A. V.); Mikhura, IV (Mikhura, I. V.); Formanovsky, AA (Formanovsky, A. A.); Borisov, RS (Borisov, R. S.): Tris(2,6-dimethoxyphenyl)methyl carbenium ion as a charge derivatization agent for the analysis of primary amines by MALDI mass spectrometry. In: JOURNAL OF ANALYTICAL CHEMISTRY Volume: 71 Issue: 14 Pages: 1326-1331, WOS
5. [1.1] Yamamoto, S (Yamamoto, Sachio); Kinoshita, M (Kinoshita, Mitsuhiro); Suzuki, S (Suzuki, Shigeo): Current landscape of protein glycosylation analysis and recent progress toward a novel paradigm of glycoscience research. In: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 130 Special Issue: SI Pages: 273-300, WOS
6. [1.2] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

ADCA404 LATTOVÁ, Erika - PERREAULT, H. Profiling of N-linked oligosaccharides using phenylhydrazine derivatization and mass spectrometry. In Journal of Chromatography A : international Journal on

Chromatography, Electrophoresis and Related Methods, 2003, vol. 1016, p. 71-87. (3.098 - IF2002). (2003 - Current Contents). ISSN 0021-9673.

Citácie:

1. [1.1] Yamamoto, S (Yamamoto, Sachio); Kinoshita, M (Kinoshita, Mitsuhiro); Suzuki, S (Suzuki, Shigeo): Current landscape of protein glycosylation analysis and recent progress toward a novel paradigm of glycoscience research. In: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 130 Special Issue: SI Pages: 273-300, WOS

2. [1.1] Yang, HM (Yang, Hongmei); Shi, L (Shi, Lei); Zhuang, XY (Zhuang, Xiaoyu); Su, R (Su, Rui); Wan, DB (Wan, Debin); Song, FR (Song, Fengrui); Li, JY (Li, Jinying); Liu, SY (Liu, Shuying): Identification of structurally closely related monosaccharide and disaccharide isomers by PMP labeling in conjunction with IM-MS/MS. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 28079, WOS

3. [1.1] Zhou, SY (Zhou, Shiyue); Hu, YL (Hu, Yunli); Mechref, Y (Mechref, Yehia): High-temperature LC-MS/MS of permethylated glycans derived from glycoproteins. In: ELECTROPHORESIS Volume: 37 Issue: 11 Special Issue: SI Pages: 1506-1513, WOS

4. [1.2] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

ADCA405 LATTOVÁ, Erika - TOMANEK, B. - BARTUSIK, D. - PERREAULT, H. N-Glycomic changes in human breast carcinoma MCF-7 and T-lymphoblastoid cells after treatment with Herceptin and Herceptin/Lipoplex. In Journal of Proteome Research, 2010, vol. 9, p. 1533-1540. (5.132 - IF2009). (2010 - Current Contents). ISSN 1535-3893.

Citácie:

1. [1.1] Chei, YX (Chei, Yuxuan); Ren, X (Ren, Xing); Xu, LY (Xu, Liye); Ding, XL (Ding, Xiaolei); Zhang, X (Zhang, Xuan); Sun, XH (Sun, Xiuhua): Critical involvement of the alpha(1,2)-fucosyltransferase in multidrug resistance of human chronic myeloid leukemia. In: ONCOLOGY REPORTS Volume: 35 Issue: 5 Pages: 3025-3033, WOS

2. [1.1] Feng, YQ (Feng, Yaqiang); Sun, F (Sun, Feng); Chen, LZ (Chen, Lizhen); Lei, JP (Lei, Jianping); Ju, HX (Ju, Huangxian): Ratiometric electrochemiluminescence detection of circulating tumor cells and cell-surface glycans. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 781 Special Issue: SI Pages: 48-55, WOS

3. [1.1] Wu, J (Wu, Jian); Qin, HQ (Qin, Hongqiang); Li, T (Li, Ting); Cheng, K (Cheng, Kai); Dong, JQ (Dong, Jiaqiang); Tian, MM (Tian, Miaomiao); Chai, N (Chai, Na); Guo, H (Guo, Hao); Li, JJ (Li, Jinjing); You, X (You, Xin); Dong, MM (Dong, Mingming); Ye, ML (Ye, Mingliang); Nie, YZ (Nie, Yongzhan); Zou, HF (Zou, Hanfa); Fan, DM (Fan, Daiming): Characterization of site-specific glycosylation of secreted proteins associated with multi-drug resistance of gastric cancer. In: ONCOTARGET Volume: 7 Issue: 18 Pages: 25315-25327, WOS

4. [1.1] Zhao, LF (Zhao, Lifen); Feng, XB (Feng, Xiaobin); Song, XB (Song, Xiaobo); Zhou, HM (Zhou, Huimin); Zhao, YF (Zhao, Yongfu); Cheng, L (Cheng, Lei); Jia, L (Jia, Li): miR-493-5p attenuates the invasiveness and tumorigenicity in human breast cancer by targeting FUT4.In: ONCOLOGY REPORTS Volume: 36 Issue: 2 Pages: 1007-1015, WOS

ADCA406 LATTOVÁ, Erika - KAPKOVÁ, P. - KROKHIN, O. - PERREAULT, H. Method for investigation of oligosaccharides from glycopeptides: Direct determination of glycosylation sites in proteins. In Analytical Chemistry, 2006, vol. 78, p. 2977-2984. (5.635 - IF2005). (2006 - Current Contents). ISSN 0003-2700.

Citácie:

1. [1.1] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159), SCOPUS

2. [1.1] Sun, SS (Sun, Shisheng); Shah, P (Shah, Punit); Eshghi, ST (Eshghi, Shadi Toghi); Yang, WM (Yang, Weiming); Trikannad, N (Trikannad, Namita); Yang, S (Yang, Shuang); Chen, LJ (Chen, Lijun); Aiyetan, P (Aiyetan, Paul); Hoti, N (Hoti, Naseruddin); Zhang, Z (Zhang, Zhen); Chan, DW (Chan, Daniel W.); Zhang, H (Zhang, Hui): Comprehensive analysis of protein glycosylation by solid-phase extraction of N-linked glycans and glycosite-containing peptides. In: NATURE BIOTECHNOLOGY Volume: 34 Issue: 1 Pages: 84-88, WOS

3. [1.1] Yamamoto, S (Yamamoto, Sachio); Kinoshita, M (Kinoshita, Mitsuhiro); Suzuki, S (Suzuki, Shigeo): Current landscape of protein glycosylation analysis and recent progress toward a novel paradigm of glycoscience research. In: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 130 Special Issue: SI Pages: 273-300, WOS

ADCA407 LATTOVÁ, Erika - VARMA, S. - BEZABEH, T. - PETRUŠ, Ladislav - PERREAULT, H. Mass spectrometric profiling of N-linked oligosaccharides and uncommon glycoform in mouse serum with head and neck tumor. In Journal of the American Society for Mass Spectrometry, 2008, vol. 19, p. 671-685.

Citácie:
1. [1.1] Reiding, KR (Reiding, Karli R.); Ederveen, ALH (Ederveen, Agnes L. Hipgrave); Rombouts, Y (Rombouts, Yoann); Wuhrer, M (Wuhrer, Manfred): Murine Plasma N-Glycosylation Traits Associated with Sex and Strain. In: JOURNAL OF PROTEOME RESEARCH Volume: 15 Issue: 10 Pages: 3489-3499, WOS
2. [1.1] Wang, YN (Wang, Yini); Park, D (Park, Dayoung); Galermo, AG (Galermo, Ace G.); Gao, D (Gao, Dan); Liu, HX (Liu, Hongxia); Lebrilla, CB (Lebrilla, Carlito B.): Changes in cellular glycosylation of leukemia cells upon treatment with acridone derivatives yield insight into drug action. In: PROTEOMICS Volume: 16 Issue: 23 Pages: 2977-2988, WOS

ADCA408 LATTOVÁ, Erika - PETRUŠ, Ladislav. Synthesis of N-acetyl-lactosamine via ozonolysis of a nitro derivative. In Carbohydrate Research, 1992, vol. 235, p. 289-293. (1.299 - IF1991). ISSN 0008-6215.
Citácie:
1. [1.1] Mende, M (Mende, Marco); Bednarek, C (Bednarek, Christin); Wawryszyn, M (Wawryszyn, Mirella); Sauter, P (Sauter, Paul); Biskup, MB (Biskup, Moritz B.); Schepers, U (Schepers, Ute); Brase, S (Braese, Stefan): Chemical Synthesis of Glycosaminoglycans. In: CHEMICAL REVIEWS Volume: 116 Issue: 14 Pages: 8193-8255, WOS

ADCA409 LATTOVÁ, Erika - BARTUSIK, Dorota - SPICER, Vic - JELLUSOVA, Julia - PERREAULT, Hélene - TOMANEK, Boguslav. Alterations in glycopeptides associated with herceptin treatment of human breasst carcinoma MCF-7 and T-lymphoblastoid cells. In Molecular and cellular proteomics, 2011, vol. 10, p. 1-11. (8.354 - IF2010). (2011 - Current Contents). ISSN 1535-9476.
Citácie:
1. [1.1] Wu, J (Wu, Jian); Qin, HQ (Qin, Hongqiang); Li, T (Li, Ting); Cheng, K (Cheng, Kai); Dong, JQ (Dong, Jiaqiang); Tian, MM (Tian, Miaomiao); Chai, N (Chai, Na); Guo, H (Guo, Hao); Li, JJ (Li, Jinjing); You, X (You, Xin); Dong, MM (Dong, Mingming); Ye, ML (Ye, Mingliang); Nie, YZ (Nie, Yongzhan); Zou, HF (Zou, Hanfa); Fan, DM (Fan, Daiming): Characterization of site-specific glycosylation of secreted proteins associated with multi-drug resistance of gastric cancer. In: ONCOTARGET Volume: 7 Issue: 18 Pages: 25315-25327, WOS

ADCA410 LATTOVÁ, Erika - PERREAULT, H. Labelling saccharides with phenylhydrazine for electrospray and matrix-assisted laser desorption-ionization mass spectrometry. In Journal of chromatography. B.Analytical technologies in the biomedical and life sciences, 2003, vol. 793, p. 167-179. (1.913 - IF2002). (2003 - Current Contents, MEDLINE). ISSN 1570-0232.
Citácie:
1. [1.1] Harvey, D. J. (2016). Analysis of protein glycosylation by mass spectrometry. Analysis of post-translational modifications using mass spectrometry (John Wiley & Sons, chapter 3, pp. 89-159, SCOPUS
2. [1.1] Yamamoto, S (Yamamoto, Sachio); Kinoshita, M (Kinoshita, Mitsuhiro); Suzuki, S (Suzuki, Shigeo): Current landscape of protein glycosylation analysis and recent progress toward a novel paradigm of glycoscience research. In: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 130 Special Issue: SI Pages: 273-300, WOS

ADCA411 LAURENČÍK, M. - SULO, P. - SLÁVIKOVÁ, Elena - PIECKOVÁ, E. - SEMAN, M. - EBRINGER, L. The diversity of eukaryotic microbiota in the traditional Slovak sheep cheese – Bryndza. In International journal of food microbiology, 2008, vol. 127, p. 176-179. ISSN 0168-1605.
Citácie:
1. [1.1] Carminati, D (Carminati, Domenico); Giraffa, G (Giraffa, Giorgio); Zago, M (Zago, Miriam); Marco, MB (Briggiler Marco, Mariangeles); Guglielmotti, D (Guglielmotti, Daniela); Binetti, A (Binetti, Ana); Reinheimer, J (Reinheimer, Jorge): Lactic Acid Bacteria for Dairy Fermentations: Specialized Starter Cultures to Improve Dairy Products. In: BIOTECHNOLOGY OF LACTIC ACID BACTERIA: NOVEL APPLICATIONS, 2ND EDITION Pages: 191-208, WOS
2. [1.1] Konuchova, M (Konuchova, Martina); Liptakova, D (Liptakova, Denisa); Sipkova, A (Sipkova, Anna); Valik, L (Valik, L'ubomir): Role of Geotrichum candidum in Dairy Industry. In: CHEMICKE LISTY Volume: 110 Issue: 7 Pages: 491-497, WOS
3. [1.1] Planý, M., Kuchta, T., Šoltýs, K., Szemes, T., Pangallo, D., & Siekel, P. (2016). Metagenomic analysis of slovak bryndza cheese using next-generation 16S rDNA amplicon sequencing. Nova Biotechnologica Et Chimica, 15(1), 23-34, SCOPUS

ADCA412 LEE, H. - BIELY, Peter - LATTA, R.K. - BARBOSA, M.F.S. - SCHNEIDER, H. Utilization of xylan by yeasts and its conversion to ethanol by Pichia stipitis strains. In Applied and Environmental Microbiology, 1986, vol. 52, p. 320-324. ISSN 0099-2240.
Citácie:
1. [1.1] Galanopoulou, AP (Galanopoulou, Anastasia P.); Hatzinikolaou, DG (Hatzinikolaou, Dimitris G.): Fungi in Consolidated Bioprocessing of Lignocellulosic Materials. In: FUNGAL APPLICATIONS IN SUSTAINABLE ENVIRONMENTAL BIOTECHNOLOGY Book Series Title: Fungal Biology-US Pages: 275-305, WOS
2. [1.2] Bajwa, P. K., Harrington, S., Dashtban, M., & Lee, H. (2016). Expression and

characterization of glycosyl hydrolase family 115 α-glucuronidase from scheffersomyces stipitis. Industrial Biotechnology, 12(2), 98-104, SCOPUS

ADCA413 LEE, H. - TO, R.J.B. - LATTA, R.K. - BIELY, Peter - SCHNEIDER, H. Some properties of extracellular acetylxylan esterase produced by the yeast Rhodotula mucilaginosa. In Applied and Environmental Microbiology, 1987, vol. 53, p. 2831-2834. ISSN 0099-2240.

Citácie:

1. [1.1] Ilyas, S (Ilyas, Sidra); Rehman, A (Rehman, Abdul); Coelho, AV (Coelho, Ana Varela); Sheehan, D (Sheehan, David): Proteomic analysis of an environmental isolate of Rhodotorula mucilaginosa after arsenic and cadmium challenge: Identification of a protein expression signature for heavy metal exposure. In: JOURNAL OF PROTEOMICS Volume: 141 Pages: 47-56, WOS

ADCA414 LEVISSON, Mark - HAN, Gye Won - DELLER, Marc C. - XU, Qingping - BIELY, Peter - HENDRIKS, Sjon - EYCK, Lynn F. Ten - FLENSBURG, Claus - ROVERSI, Pietro - MILLER, Mitchell D. - MCMULLAN, Daniel - KREUSCH, Andreas - DEACON, Ashley M. - VAN DER OOST, John - LESLEY, Scott A. - ELSLIGER, Marc-Anfdré - KENGEN, Servé W.M. - WILSON, Ian A. Functional and structural characterization of a thermostable acetyl esterase from Thermotoga maritima. In Proteins : Structure Function and Bioinformatics, 2012, p. 1545-1559. (3.392 - IF2011). (2012 - Current Contents). ISSN 0887-3585.

Citácie:

1. [1.1] Ding, JM (Ding, Jun-Mei); Yu, TT (Yu, Ting-Ting); Han, NY (Han, Nan-Yu); Yu, JL (Yu, Jia-Lin); Li, JJ (Li, Jun-Jun); Yang, YJ (Yang, Yun-Juan); Tang, XH (Tang, Xiang-Hua); Xu, B (Xu, Bo); Zhou, JP (Zhou, Jun-Pei); Tang, HZ (Tang, Hong-Zhi); Huang, ZX (Huang, Zun-Xi): Identification and Characterization of a New 7-Aminocephalosporanic Acid Deacetylase from Thermophilic Bacterium Alicyclobacillus tengchongensis. In: JOURNAL OF BACTERIOLOGY Volume: 198 Issue: 2 Pages: 311-320, WOS

2. [1.1] Huang, XQ (Huang, Xiaoqiang); Xue, J (Xue, Jing); Lin, M (Lin, Min); Zhu, YS (Zhu, Yushan): Use of an Improved Matching Algorithm to Select Scaffolds for Enzyme Design Based on a Complex Active Site Model. In: PLOS ONE Volume: 11 Issue: 5 Article Number: e0156559, WOS

3. [1.1] McKary, MG (McKary, Magy G.); Abendroth, J (Abendroth, Jan); Edwards, TE (Edwards, Thomas E.); Johnson, RJ (Johnson, R. Jeremy): Structural Basis for the Strict Substrate Selectivity of the Mycobacterial Hydrolase LipW. In: BIOCHEMISTRY Volume: 55 Issue: 51 Pages: 7099-7111, WOS

4. [1.1] Singh, MK (Singh, Mrityunjay K.); Manoj, N (Manoj, Narayanan): An extended loop in CE7 carbohydrate esterase family is dispensable for oligomerization but required for activity and thermostability. In: JOURNAL OF STRUCTURAL BIOLOGY Volume: 194 Issue: 3 Pages: 434-445, WOS

5. [1.1] Singh, MK (Singh, Mrityunjay K.); Manoj, N (Manoj, Narayanan): Crystal structure of Thermotoga maritima acetyl esterase complex with a substrate analog: Insights into the distinctive substrate specificity in the CE7 carbohydrate esterase family. In: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 476 Issue: 2 Pages: 63-68, WOS

6. [1.2] Singh, M. K., Shivakumaraswamy, S., Gummadi, S. N., & Manoj, N. (2016). Role of an N-terminal extension in stability and catalytic activity of a hyperthermostable α/β hydrolase fold esterase. Protein Engineering, Design and Selection, 30(8), 559-570, SCOPUS

ADCA415 LIBJAKOVÁ, L. - BYSTRICKÝ, Slavomír - LIŽIČÁROVÁ, Izebela - PAULOVIČOVÁ, Ema. Evaluation of different mannan polysaccharide usage in enzyme-linked immunosorbent assay for specific antibodies determination. In Journal of Pharmaceutical and Biomedical Analysis, 2007, vol. 45, p. 521-525. (2.032 - IF2006). ISSN 0731-7085.

Citácie:

1. [1.1] Goncharova, NV (Goncharova, N. V.); Khrapova, MV (Khrapova, M. V.); Pupyshev, AB (Pupyshev, A. B.); Korolenko, ET (Korolenko, E. Ts.); Neseakova, Z (Neseakova, Z.); Korolenko, TA (Korolenko, T. A.): Hypolipidemic Effect of Mannan in Mice with Acute Lipemia Induced by Poloxamer 407. In: BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE Volume: 162 Issue: 1 Pages: 18-22, WOS

ADCA416 LÍŠKA, Denis - MARTINKA, Michal - KOHANOVÁ, Jana - LUX, Alexander. Asymmetrical development of root endodermis and exodermis in reaction to abiotic stresses. In Annals of Botany, 2016, vol. 118, no. 4, p. 667-674. (3.982 - IF2015). (2016 - Current Contents). ISSN 0305-7364.

Citácie:

1. [1.1] DE ZIO, E. - TRUPIANO, D. - MONTAGNOLI, A. - TERZAGHI, M. - CHIATANTE, D. - GROSSO, A. - MARRA, M. - SCALONI, A. - SCIPPA, G.S. Poplar woody taproot under bending stress: the asymmetric response of the convex and concave sides. In ANNALS OF BOTANY. ISSN 0305-7364, OCT 2016, vol. 118, no. 4, SI, p. 865-883., WOS

2. [1.1] RYAN, P.R. - DELHAIZE, E. - WATT, M. - RICHARDSON, A.E. Plant roots:

understanding structure and function in an ocean of complexity. In ANNALS OF BOTANY. ISSN 0305-7364, OCT 2016, vol. 118, no. 4, SI, p. 555-559., WOS

ADCA417 LIU, Min - MACHOVÁ, Eva - NEŠČÁKOVÁ, Zuzana - MEDOVARSKÁ, Izabela - CLEMONS, Karol V. - MARTINEZ, Marife - CHEN, Vicky - BYSTRICKÝ, Slavomír - STEVENS, David. Vaccination with mannan protects mice against systemic aspergillosis. In Medical Mycology, 2012, vol.50, p. 818-828. (2.457 - IF2011). ISSN 1369-3786.

Citácie:

1. [1.1] Li, PL (Li, Pingli); Wang, FS (Wang, Fengshan): Polysaccharides: Candidates of promising vaccine adjuvants. In: DRUG DISCOVERIES AND THERAPEUTICS Volume: 9 Issue: 2 Pages: 88-93, WOS

ADCA418 LI, X.L. - SKORY, C.D. - COTTA, M.A. - PUCHART, Vladimir - BIELY, Peter. Novel family of carbohydrate esterases, based on identification of the Hypocrea jecorina acetyl esterase gene. In Applied and Environmental Microbiology, 2008, vol.74, p. 7482-7489. (4.004 - IF2007). (2008 - Current Contents). ISSN 0099-2240.

Citácie:

1. [1.1] Lakshman, DK (Lakshman, Dilip K.); Roberts, DP (Roberts, Daniel P.); Garrett, WM (Garrett, Wesley M.); Natarajan, SS (Natarajan, Savithiry S.); Darwish, O (Darwish, Omar); Alkharouf, N (Alkharouf, Nadim); Pain, A (Pain, Arnab); Khan, F (Khan, Farooq); Jambhulkar, PP (Jambhulkar, Prashant P.); Mitra, A (Mitra, Amitava): Proteomic Investigation of Rhizoctonia solani AG 4 Identifies Secretome and Mycelial Proteins with Roles in Plant Cell Wall Degradation and Virulence. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 15 Pages: 3101-3110, WOS

2. [1.2] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, chapter 20, pp. 809-895), SCOPUS

ADCA419 LI, X.-L. - ŠPÁNIKOVÁ, Silvia - DE VRIES, R.P. - BIELY, Peter. Identification of genes encoding microbial glucuronoyl esterases. In FEBS Letters, 2007, vol. 581, p. 4029-4035. ISSN 0014-5793.

Citácie:

1. [1.1] : Lehmann, L (Lehmann, Linda); Ronnest, NP (Ronnest, Nanna P.); Jorgensen, CI (Jorgensen, Christian I.); Olsson, L (Olsson, Lisbeth); Stocks, SM (Stocks, Stuart M.); Jorgensen, HS (Jorgensen, Henrik S.); Hobley, T (Hobley, Timothy): Linking hydrolysis performance to Trichoderma reesei cellulolytic enzyme profile. In: BIOTECHNOLOGY AND BIOENGINEERING Volume: 113 Issue: 5 Pages: 1001-1010, WOS

2. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

3. [1.1] Bengtsson, O (Bengtsson, Oskar); Arntzen, MO (Arntzen, Magnus O.); Mathiesen, G (Mathiesen, Geir); Skaugen, M (Skaugen, Morten); Eijsink, VGH (Eijsink, Vincent G. H.): JOURNAL OF PROTEOMICS Volume: 131 Pages: 104-112, WOS

4. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

5. [1.1] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS

6. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

7. [1.1] Ma, L (Ma, Liang); Chen, L (Chen, Ling); Zhang, L (Zhang, Lei); Zou, G (Zou, Gen); Liu, R (Liu, Rui); Jiang, YP (Jiang, Yanping); Zhou, ZH (Zhou, Zhihua): RNA Sequencing Reveals Xyr1 as a Transcription Factor Regulating Gene Expression beyond Carbohydrate Metabolism. In: BIOMED RESEARCH INTERNATIONAL Article Number: 4841756, WOS

8. [1.1] Nylander, F (Nylander, Filip); Sunner, H (Sunner, Hampus); Olsson, L (Olsson, Lisbeth); Christakopoulos, P (Christakopoulos, Paul); Westman, G (Westman, Gunnar): Synthesis and enzymatic hydrolysis of a diaryl benzyl ester model of a lignin-carbohydrate complex (LCC). In: HOLZFORSCHUNG Volume: 70 Issue: 5 Pages: 385-391, WOS

9. [1.1] d'Errico, C (d'Errico, Clotilde); Borjesson, J (Borjesson, Johan); Ding, HS (Ding, Hanshu); Krogh, KBRM (Krogh, Kristian B. R. M.); Spodsberg, N (Spodsberg, Nikolaj); Madsen, R (Madsen, Robert); Monrad, RN (Monrad, Rune Nygaard): Improved biomass degradation using

fungal glucuronoyl-esterases-hydrolysis of natural corn fiber substrate. In: JOURNAL OF BIOTECHNOLOGY Volume: 219 Pages: 117-123 DOI: 10.1016/j.jbiotec.2015.12.024 Published: FEB 10 2016 ISSN: 0168-1656, WOS

ADCA420 LIŽIČÁROVÁ, Izebela - MATULOVÁ, Mária - CAPEK, Peter - MACHOVÁ, Eva. Human pathogen Candida dubliniensis: A cell wall mannan with a high content of beta-1,2-linked mannose residues. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 70, p. 89-100. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Tang, L., Zhou, L., Sun, L., & Song, S. (2016). Effect of Ca2+ on the extracellular polysaccharide of shewanella oneidensis MR-1. Zhongshan Daxue Xuebao/Acta Scientiarum Natralium Universitatis Sunyatseni, 55(6), 125-131, SCOPUS

ADCA421 LIŽIČÁROVÁ, Izebela - MATULOVÁ, Mária - MACHOVÁ, Eva - CAPEK, Peter. Cell wall mannan of human pathogen Candida dubliniensis. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 68, p. 191 - 195. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Li, HY (Li, Hongyan); Gao, T (Gao, Tong); Wang, JC (Wang, Jingchen); Tian, SS (Tian, Shasha); Yuan, X (Yuan, Xin); Zhu, HJ (Zhu, Huajie): Structural identification and antitumor activity of the extracellular polysaccharide from Aspergillus terreus. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 10 Pages: 1714-1720, WOS

ADCA422 LORITO, M. - FARKAŠ, Vladimír - REBUFFAT, S. - BODO, B. - KUBICEK, C.P. Cell wall synthesis is a major target of mycoparasitic antagonism by Trichoderma harzianum. In Journal of Bacteriology, 1996, vol. 178, p. 6382-6385. ISSN 0021-9193.

Citácie:

1. [1.1] Al-Naemi, FA (Al-Naemi, Fatima A.); Ahmed, TA (Ahmed, Talaat A.); Nishad, R (Nishad, Resna); Radwan, O (Radwan, Osman): Antagonistic Effects of Trichoderma harzianum Isolates against Ceratocystis radicicola: pioneering a Biocontrol Strategy against Black Scorch Disease in Date Palm Trees. In: JOURNAL OF PHYTOPATHOLOGY Volume: 164 Issue: 7-8 Pages: 464-475, WOS

2. [1.1] Bhagat, S (Bhagat, Someshwar); Sharma, OP (Sharma, O. P.); Birah, A (Birah, Ajanta); Amaresan, N (Amaresan, Natarajan); Ahmad, I (Ahmad, Israr); Ahmad, N (Ahmad, Nasim); Chattopadhyay, C (Chattopadhyay, C.): Role of antimicrobial compounds from Trichoderma spp. in plant disease management. In: ANTIMICROBIALS: SYNTHETIC AND NATURAL COMPOUNDS Pages: 359-369, WOS

3. [1.1] Degenkolb, T (Degenkolb, Thomas); Gotze, L (Goetze, Lutz); von Dohren, H (von Doehren, Hans); Vilcinskas, A (Vilcinskas, Andreas); Bruckner, H (Brueckner, Hans): Sequences of stilboflavin C: towards the peptaibiome of the filamentous fungus Stilbella (= Trichoderma) flavipes. In: JOURNAL OF PEPTIDE SCIENCE Volume: 22 Issue: 8 Pages: 517-524, WOS

4. [1.1] Kumar, P (Kumar, Pankaj); Dubey, RC (Dubey, Ramesh Chandra); Maheshwari, DK (Maheshwari, Dinesh Kumar); Park, YH (Park, Yong-Ha); Bajpai, VK (Bajpai, Vivek K.): ISOLATION OF PLANT GROWTH-PROMOTING PSEUDOMONAS SP PPR8 FROM THE RHIZOSPHERE OF PHASEOLUS VULGARIS L.. In: ARCHIVES OF BIOLOGICAL SCIENCES Volume: 68 Issue: 2 Pages: 363-374, WOS

5. [1.1] Li, YQ (Li, Yaqian); Sun, RY (Sun, Ruiyan); Yu, J (Yu, Jia); Saravanakumar, K (Saravanakumar, Kandasamy); Chen, J (Chen, Jie): Antagonistic and Biocontrol Potential of Trichoderma asperellum ZJSX5003 Against the Maize Stalk Rot Pathogen Fusarium graminearum. In: INDIAN JOURNAL OF MICROBIOLOGY Volume: 56 Issue: 3 Pages: 318-327, WOS

6. [1.1] Zeilinger, S (Zeilinger, Susanne); Gruber, S (Gruber, Sabine); Bansal, R (Bansal, Rauindra); Mukherjee, PK (Mukherjee, Prasun K.): Secondary metabolism in Trichoderma - Chemistry meets genomics. In: FUNGAL BIOLOGY REVIEWS Volume: 30 Issue: 2 Pages: 74-90, WOS

7. [1.2] Patil, A. S., Patil, S. R., & Paikrao, H. M. (2016). Trichoderma secondary metabolites: Their biochemistry and possible role in disease management. In Microbial-mediated induced systemic resistance in plants (Springer, chapter 6, pp. 69-102), SCOPUS

ADCA423 LUBY, P. - KUNIAK, Ľudovít - FANTER, C. Crosslinking statistics. III. Relation between relative reactivity and accessibility of cellulose hydroxyl groups. In Makromolekulare Chemie, 1979, vol. 180, p. 2379-2386.

Citácie:

1. [1.1] Akil, Y (Akil, Youssef); Lehnen, R (Lehnen, Ralph); Saake, B (Saake, Bodo): Novel synthesis of hydroxyvinylethyl xylan using 4-vinyl-1, 3-dioxolan-2-one. In: TETRAHEDRON LETTERS Volume: 57 Issue: 37 Pages: 4200-4202, WOS

2. [1.1] Akil, Y (Akil, Youssef); Lorenz, D (Lorenz, Dominic); Lehnen, R (Lehnen, Ralph); Saake,

B (Saake, Bodo): : Safe and non-toxic hydroxyalkylation of xylan using propylene carbonate. In: EUROPEAN POLYMER JOURNAL Volume: 77 Pages: 88-97, WOS
3. [1.1] Ciolacu, D (Ciolacu, Diana); Rudaz, C (Rudaz, Cyrielle); Vasilescu, M (Vasilescu, Mihai); Budtova, T (Budtova, Tatiana): Physically and chemically cross-linked cellulose cryogels: Structure, properties and application for controlled release. In: CARBOHYDRATE POLYMERS Volume: 151 Pages: 392-400, WOS

ADCA424 LUX, Alexander - VACULÍK, M. - MARTINKA, M. - LIŠKOVÁ, Desana - KULKARNI, M.G. - STIRK, W.A. - VAN STADEN, J. Cadmium induces hypodermal periderm formation in the roots of the monocotyledonous plant Merwilla plumbea (Lindl.) Speta. In Annals of Botany. - London : Oxford University Press, 2011, vol. 107, p. 285-292. (3.388 - IF2010). (2011 - Current Contents). ISSN 0305-7364.

Citácie:
1. [1.1] Alle, V.; Kondratovics, U.; Osvalde, A.; Vikmane, M.: Differences in cadmium accumulation and induced changes in root anatomical structures in plants used for food. In: Agronomy Research Volume: 14 Issue: Sp. Iss. 2 Pages: 1249-1260, WOS
2. [1.1] Bazihizina, N (Bazihizina, Nadia); Taiti, C (Taiti, Cosimo); Serre, N (Serre, Nelson); Nocci, C (Nocci, Chiara); Spinelli, F (Spinelli, Francesco); Nissim, WG (Nissim, Werther Guidi); Azzarello, E (Azzarello, Elisa); Marti, L (Marti, Lucia); Redwan, M (Redwan, Mirvat); Gonnelli, C (Gonnelli, Cristina); Mancuso, S (Mancuso, Stefano): Awaiting better times: A quiescence response and adventitious root primordia formation prolong survival under cadmium stress in Tetradenia riparia (Hochst.) Codd. In: : ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 130 Pages: 1-10, WOS
3. [1.1] Elloumi, N (Elloumi, Nada); Belhaj, D (Belhaj, Dalel); Jerbi, B (Jerbi, Boutheina); Zouari, M (Zouari, Mohamed); Kallel, M (Kallel, Monem): Effects of sewage sludge on bio-accumulation of heavy metals in tomato seedlings. In: SPANISH JOURNAL OF AGRICULTURAL RESEARCH Volume: 14 Issue: 4 Article Number: e0807, WOS
4. [1.1] Rad, JS (Rad, Javad Sharifi); Rad, MS (Rad, Majid Sharifi); Da Silva, JAT (Da Silva, Jaime A. Teixeira): Effects of Exogenous Silicon on Cadmium Accumulation and Biological Responses of Nigella sativa L. (Black Cumin). In: COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS Volume: 45 Issue: 14 Pages: 1918-1933, WOS
5. [1.1] Rodriguez-Celma, J (Rodriguez-Celma, Jorge); Lattanzio, G (Lattanzio, Giuseppe); Villarroya, D (Villarroya, Dido); Gutierrez-Carbonell, E (Gutierrez-Carbonell, Elain); Ceballos-Laita, L (Ceballos-Laita, Laura); Rencoret, J (Rencoret, Jorge); Gutierrez, A (Gutierrez, Ana); del Rio, JC (del Rio, Jose C.); Grusak, MA (Grusak, Michael A.); Abadia, A (Abadia, Anunciacion); Abadia, J (Abadia, Javier); Lopez-Millan, AF (Lopez-Millan, Ana-Flor): Effects of Fe deficiency on the protein profiles and lignin composition of stem tissues from Medicago truncatula in absence or presence of calcium carbonate. In: JOURNAL OF PROTEOMICS Volume: 140 Pages: 1-12, WOS

ADCA425 MACHOVÁ, Eva - BYSTRICKÝ, Peter - MALOVÍKOVÁ, Anna - BYSTRICKÝ, Slavomír. Preparation and characterization of carboxymethyl derivatives of yeast mannans in aqueous solutions. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2014, vol. 110, p. 219-223. (3.916 - IF2013). (2014 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Chai, YY (Chai, Yangyang); Zhao, M (Zhao, Min): Purification, characterization and anti-proliferation activities of polysaccharides extracted from Viscum coloratum (Kom.) Nakai. In: CARBOHYDRATE POLYMERS Volume: 149 Pages: 121-130, WOS
2. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS
3. [1.1] Wang, ZJ (Wang, Zhi-Jun); Xie, JH (Xie, Jian-Hua); Shen, MY (Shen, Ming-Yue); Tang, W (Tang, Wei); Wang, H (Wang, Hui); Nie, SP (Nie, Shao-Ping); Xie, MY (Xie, Ming-Yong): Carboxymethylation of polysaccharide from Cyclocarya paliurus and their characterization and antioxidant properties evaluation. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 988-994, WOS

ADCA426 MACHOVÁ, Eva - BYSTRICKÝ, Slavomír. Antioxidant capacities of mannans and glucans are related to their susceptibility of free radical degradation. In International Journal of Biological Macromolecules, 2013, vol. 61, p. 308-311. (2.596 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0141-8130.

Citácie:
1. [1.1] Freitas, F (Freitas, Filomena); Roca, C (Roca, Christophe); Reis, MAM (Reis, Maria A. M.): Fungi as Sources of Polysaccharides for Pharmaceutical and Biomedical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3,

BIODEGRADABLE POLYMERS Pages: 61-103, WOS
2. [1.1] Wang, JQ (Wang, Junqiao); Hu, SZ (Hu, Shuzhen); Nie, SP (Nie, Shaoping); Yu, Q (Yu, Qiang); Xie, MY (Xie, Mingyong): Reviews on Mechanisms of In Vitro Antioxidant Activity of Polysaccharides. In: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY Article Number: 5692852, WOS

ADCA427 MACHOVÁ, Eva - ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Peter. Effect of carboxymethylation on antioxidant properties and radical degradation of mannans and glucans. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2014, vol. 112, p. 603-607. (3.916 - IF2013). (2014 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In. MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS
2. [1.1] Wang, ZJ (Wang, Zhi-Jun); Xie, JH (Xie, Jian-Hua); Shen, MY (Shen, Ming-Yue); Tang, W (Tang, Wei); Wang, H (Wang, Hui); Nie, SP (Nie, Shao-Ping); Xie, MY (Xie, Ming-Yong): Carboxymethylation of polysaccharide from Cyclocarya paliurus and their characterization and antioxidant properties evaluation. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 988-994, WOS

ADCA428 MACHOVÁ, Eva - KOGAN, Grigorij - ŠANDULA, Jozef - CHORVATOVIČOVÁ, Darina. Ultrasonic depolymerization of the chitin-glucan complex from Aspergillus niger and antimutagenic activity of its product. In Ultrasonics Sonochemistry, 1999, vol. 6, p. 111-114. (1.000 - IF1998). (1999 - Current Contents). ISSN 1350-4177.

Citácie:
1. [1.1] BARANGE, N. - KIM, Y.D. - NAM, M. - PARK, B. - KIM, B. - HAN, I.K. - KO, D.H. Sonication Effect on All-Polymer Solar Cell Performance. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, OCT 2016, vol. 16, no. 10, p. 10308-10312., WOS
2. [1.1] DU, B. - ZENG, H.S. - YANG, Y.D. - BIAN, Z.X. - XU, B.J. Anti-inflammatory activity of polysaccharide from Schizophyllum commune as affected by ultrasonication. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, OCT 2016, vol. 91, p. 100-105., WOS
3. [1.1] LEE, S.H. - JANG, G.Y. - KIM, M.Y. - HWANG, I.G. - KIM, H.Y. - WOO, K.S. - LEE, M.J. - KIM, T.J. - LEE, J. - JEONG, H.S. Physicochemical and in vitro binding properties of barley beta-glucan treated with hydrogen peroxide. In FOOD CHEMISTRY. ISSN 0308-8146, 2016, vol. 192, p. 729-735., WOS

ADCA429 MACHOVÁ, Eva - KOGAN, Grigorij - ALFOLDI, Juraj - ŠOLTÉS, Ladislav - ŠANDULA, Jozef. Enzymatic and ultrasonic depolymerization of carboxymethylated á-1,3-D-glucans derived from Saccharomyces cerevisiae ns. In Journal of Applied Polymer Science, 1995, vol. 55, no. 5, p. 699-704. (1995 - Current Contents). ISSN 0021-8995.

Citácie:
1. [1.1] VARELAS, V. - LIOUNI, M. - CALOKERINOS, A.C. - NERANTZIS, E.T. An evaluation study of different methods for the production of -D-glucan from yeast biomass. In DRUG TESTING AND ANALYSIS. ISSN 1942-7603, 2016, vol. 8, no. 1, p. 46-56., WOS

ADCA430 MAJKA, Jaroslaw - ROSÉN, Ake - JANÁK, Marian - FROITZHEIM, Nikolaus - KLONOWSKA, Iwona - MANECKI, Maciej - SASINKOVÁ, Vlasta - YOSHIDA, Kenta. Microdiamond discovered in the Seve Nappe (Scandinavian Caledonides) and its exhumation by the "vacuum-cleaner" mechanism. In Geology, 2014, vol. 42, p. 1107-1110. (4.638 - IF2013). (2014 - Current Contents). ISSN 0091-7613.

Citácie:
1. [1.1] GORDON, Stacia M. - WHITNEY, Donna L. - TEYSSIER, Christian - FOSSEN, Haakon - KYLANDER-CLARK, Andrew. Geochronology and geochemistry of zircon from the northern Western Gneiss Region: Insights into the Caledonian tectonic history of western Norway. In LITHOS. ISSN 0024-4937, 2016, vol. 246, no., pp. 134-148., WOS
2. [1.1] HEDIN, Peter - ALMQVIST, Bjarne - BERTHET, Theo - JUHLIN, Christopher - BUSKE, Stefan - SIMON, Helge - GIESE, Ruediger - KRAUSS, Felix - ROSBERG, Jan-Erik - ALM, Per-Gunnar. 3D reflection seismic imaging at the 2.51 km deep COSC-1 scientific borehole, central Scandinavian Caledonides. In TECTONOPHYSICS. ISSN 0040-1951, 2016, vol. 689, no., pp. 40-55., WOS
3. [1.1] NASDALA, Lutz - STEGER, Simon - REISSNER, Claudia. Raman study of diamond-based abrasives, and possible artefacts in detecting UHP microdiamond. In LITHOS. ISSN 0024-4937, 2016, vol. 265, no., pp. 317-327., WOS
4. [1.1] SMIT, Karen V. - SHIREY, Steven B. - WANG, Wuyi. Type Ib diamond formation and preservation in the West African lithospheric mantle: Re-Os age constraints from sulphide inclusions in Zimmi diamonds. In PRECAMBRIAN RESEARCH. ISSN 0301-9268, 2016, vol. 286,

no., pp. 152-166., WOS
5. [1.1] THIERY, V. - ROLIN, P. - DUBOIS, M. - CAUMON, M.C. - GONCALVES, P. Reply to J. Berger's comment on the article "Discovery of metamorphic microdiamonds from the parautochthonous units of the Variscan French Massif" by Thiery, V. et al.,. (2015), Gondwana Research 28, 954-960. In GONDWANA RESEARCH. ISSN 1342-937X, 2016, vol. 38, no., pp. 372-374., WOS

ADCA431 MAJTÁN, Juraj - BÍLIKOVÁ, Katarína - MARKOVIC, O. - GROF, J. - KOGAN, Grigorij - ŠIMÚTH, Jozef. Isolation and characterization of chitin from bumblebee (Bombus terrestris). In International Journal of Biological Macromolecules, 2007, vol. 40, no. 3, pp. 237-241. (1.684 - IF2006). (2007 - Current Contents). ISSN 0141-8130.

Citácie:
1. [1.1] DHANANASEKARAN, S. - PALANIVEL, R. - PAPPU, S. Adsorption of Methylene Blue, Bromophenol Blue, and Coomassie Brilliant Blue by alpha-chitin nanoparticles. In JOURNAL OF ADVANCED RESEARCH. JAN 2016, vol. 7, no. 1, p. 113-124., WOS
2. [1.1] ERDOGAN, S. - KAYA, M. High similarity in physicochemical properties of chitin and chitosan from nymphs and adults of a grasshopper. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. AUG 2016, vol. 89, p. 118-126., WOS
3. [1.1] GREVEN, H. - KAYA, M. - BARAN, T. The presence of alpha-chitin in Tardigrada with comments on chitin in the Ecdysozoa. In ZOOLOGISCHER ANZEIGER. 2016, vol. 264, p. 11-16., WOS
4. [1.1] KAYA, M. - AKYUZ, B. - BULUT, E. - SARGIN, I. - EROGLU, F. - TAN, G. Chitosan nanofiber production from Drosophila by electrospinning. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. NOV 2016, vol. 92, p. 49-55., WOS
5. [1.1] KAYA, M. - BAUBLYS, V. - SARGIN, I. - SATKAUSKIENE, I. - PAULAUSKAS, A. - AKYUZ, B. - BULUT, E. - TUBELYTE, V. - BARAN, T. - SEYYAR, O. - KABALAK, M. - YURTMEN, H. How Taxonomic Relations Affect the Physicochemical Properties of Chitin. In FOOD BIOPHYSICS. MAR 2016, vol. 11, no. 1, p. 10-19., WOS
6. [1.1] KAYA, M. - MULERCIKAS, P. - SARGIN, I. - KAZLAUSKAITE, S. - BAUBLYS, V. - AKYUZ, B. - BULUT, E. - TUBELYTE, V. Three-dimensional chitin rings from body segments of a pet diplopod species: Characterization and protein interaction studies. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. NOV 1 2016, vol. 68, p. 716-722., WOS
7. [1.1] KAYA, M. - SARGIN, I. - AL-JAF, I. - ERDOGAN, S. - ARSLAN, G. Characteristics of corneal lens chitin in dragonfly compound eyes. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. AUG 2016, vol. 89, p. 54-61., WOS
8. [1.1] KAYA, M. - SOFI, K. - SARGIN, I. - MUJTABA, M. Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of Vespa crabro (wasp). In CARBOHYDRATE POLYMERS. JUL 10 2016, vol. 145, p. 64-70., WOS
9. [1.1] KHEDRI, N. - RAMEZANI, Z. - RAHBAR, N. Fast, green and effective chromium bio-speciation using Sepia pharaonis endoskeleton nano-powder. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY. OCT 2016, vol. 13, no. 10, p. 2475-2484., WOS
10. [1.1] MAREI, N.H. - ABD EL-SAMIE, E. - SALAH, T. - SAAD, G.R. - ELWAHY, A.H.M. Isolation and characterization of chitosan from different local insects in Egypt. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. JAN 2016, vol. 82, p. 871-877., WOS
11. [1.1] MONTER-MIRANDA, J.G. - TIRADO-GALLEGOS, J.M. - ZAMUDIO-FLORES, P.B. - RIOS-VELASCO, C. - ORNELAS-PAZ, J.D. - SALGADO-DELGADO, R. - ESPINOSA-SOLIS, V. - HERNANDEZ-CENTENO, E. EXTRACTION AND CHARACTERIZATION OF PHISICOCHEMICAL, MORPHOLOGICAL, AND STRUCTURAL PROPERTIES OF CHITIN AND CHITOSAN FROM Brachystola magna (Girard). In REVISTA MEXICANA DE INGENIERIA QUIMICA. DEC 2016, vol. 15, no. 3, p. 749-761., WOS
12. [1.1] OH, D.X. - CHA, Y.J. - NGUYEN, H.L. - JE, H.H. - JHO, Y.S. - HWANG, D.S. - YOON, D.K. Chiral nematic self-assembly of minimally surface damaged chitin nanofibrils and its load bearing functions. In SCIENTIFIC REPORTS. MAR 18 2016, vol. 6., WOS
13. [1.1] TYLISZCZAK, B. - BIALIK-WAS, K. - DRABCZYK, A. - KUDLACIK, S. - SOBCZAK-KUPIEC, A. Animal-derived chitosans. Characteristics, comparison, application. In PRZEMYSL CHEMICZNY. OCT 2016, vol. 95, no. 10, p. 2059-2062., WOS
14. [1.1] WASKO, A. - BULAK, P. - POLAK-BERECKA, M. - NOWAK, K. - POLAKOWSKI, C. - BIEGANOWSKI, A. The first report of the physicochemical structure of chitin isolated from Hermetia illucens. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. NOV 2016, vol. 92, p. 316-320., WOS
15. [1.2] Rissouli, L., Benicha, M., Chabbi, M. Journal of Materials and Environmental Science 7

(2016), pp. 531-540, SCOPUS

ADCA432 MAJTÁN, Juraj - KUMAR, P. - MAJTÁN, Tomáš - WALLS, A. F. - KLAUDINY, Jaroslav. Effect of honey and its major royal jelly protein 1 on cytokine and MMP-9 mRNA transcripts in human keratinocytes. In Experimental Dermatology, 2010, vol. 19, no. 8, p. e73-e79. (3.239 - IF2009). (2010 - Current Contents). ISSN 0906-6705.

Citácie:

1. [1.1] CHEN, Y.F. - WANG, K. - ZHANG, Y.Z. - ZHENG, Y.F. - HU, F.L. In MEDIATORS OF INFLAMMATION. 2016., WOS

2. [1.1] COOPER, R. In JOURNAL OF WOUND CARE. SEP 2016, vol. 25, no. 9, p. 544-552., WOS

3. [1.1] HAMMOND, E.N.A. - DUSTER, M. - MUSUUZA, J.S. - SAFDAR, N. In PAN AFRICAN MEDICAL JOURNAL. DEC 6 2016, vol. 25., WOS

4. [1.1] MCLOONE, P. - WARNOCK, M. - FYFE, L. In FOOD AND AGRICULTURAL IMMUNOLOGY. MAY 3 2016, vol. 27, no. 3, p. 338-349., WOS

5. [1.1] ORYAN, A. - ALEMZADEH, E. - MOSHIRI, A. In JOURNAL OF TISSUE VIABILITY. MAY 2016, vol. 25, no. 2, p. 98-118., WOS

6. [1.1] PEREIRA, R.F. - BARTOLO, P.J. In ADVANCES IN WOUND CARE. MAY 2016, vol. 5, no. 5, p. 208-229., WOS

7. [1.1] SCHENCKE, C. - VASQUEZ, B. - SANDOVAL, C. - DEL SOL, M. In INTERNATIONAL JOURNAL OF MORPHOLOGY. 2016, vol. 34, no. 1, p. 385-395., WOS

8. [1.2] Rashidi, M.K., Mirazi, N., Hosseini, A. 2016 Wound Medicine 12, pp. 6-9, SCOPUS

ADCA433 MAJTÁN, Juraj - BOHOVÁ, Jana - PROCHÁZKA, Emanuel - KLAUDINY, Jaroslav. Methylglyoxal May Affect Hydrogen Peroxide Accumulation in Manuka Honey Through the Inhibition of Glucose Oxidase. In Journal of Medicinal Food : Official Journal of the Korean Society of Food Science and Nutrition, 2014, vol. 17, no. 2, p. 290-293. (2014 - Current Contents). ISSN 1096-620X. Dostupné na internete: <http://online.liebertpub.com/doi/abs/10.1089/jmf.2012.0201?journalCode=jmf>.

Citácie:

1. [1.2] CARTER, Dee A. - BLAIR, Shona E. - COKCETIN, Nural N. - BOUZO, Daniel - BROOKS, Peter - SCHOTHAUER, Ralf - HARRY, Elizabeth J. Therapeutic manuka honey: No longer so alternative. In Frontiers in Microbiology, 2016-04-20, 7, aPR, pp., SCOPUS

2. [1.2] ORYAN, Ahmad - ALEMZADEH, Esmat - MOSHIRI, Ali. Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. In Journal of Tissue Viability. ISSN 0965206X, 2016-05-01, 25, 2, pp. 98-118., SCOPUS

ADCA434 MAJTÁN, Juraj - BOHOVÁ, Jana - GARCIA-VILLALBA, Rocio - TOMAS-BARBERAN, F.A. - MADAKOVA, Zuzana - MAJTÁN, Tomáš - MAJTÁN, Viktor - KLAUDINY, Jaroslav. Fir honeydew honey flavonoids inhibit TNF-α-induced MMP-9 expression in human keratinocytes: a new action of honey in wound healing. In Archives of Dermatological Research, 2013, vol. 305, no. 7, p. 619-627. (2.708 - IF2012). (2013 - Current Contents). ISSN 0340-3696. Dostupné na internete: <file:///C:/Users/admin/Downloads/majtan-et-al-2013-adr.pdf>.

Citácie:

1. [1.1] Cooper, R (Cooper, R.): Honey for wound care in the 21st century. In: JOURNAL OF WOUND CARE Volume: 25 Issue: 9 Pages: 544-552, WOS

2. [1.1] Devasvaran, K (Devasvaran, Kogilavanee); Yong, YK (Yong, Yoke-Keong): Anti-inflammatory and wound healing properties of Malaysia Tualang honey. In. CURRENT SCIENCE Volume: 110 Issue: 1 Pages: 47-51, WOS

3. [1.1] Hatahet, T (Hatahet, T.); Morille, M (Morille, M.); Hommoss, A (Hommoss, A.); Devoisselle, JM (Devoisselle, J. M.); Muller, RH (Mueller, R. H.); Begu, S (Begu, S.): Quercetin topical application, from conventional dosage forms to nanodosage forms. In: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS Volume: 108 Pages: 41-53, WOS

4. [1.1] McLoone, P (McLoone, Pauline); Oluwadun, A (Oluwadun, Afolabi); Warnock, M (Warnock, Mary); Fyfe, L (Fyfe, Lorna): Honey: A Therapeutic Agent for Disorders of the Skin. In: CENTRAL ASIAN JOURNAL OF GLOBAL HEALTH Volume: 5 Issue: 1, WOS

5. [1.1] McLoone, P (McLoone, Pauline); Warnock, M (Warnock, Mary); Fyfe, L (Fyfe, Lorna): Honey: an immunomodulatory agent for disorders of the skin. In. FOOD AND AGRICULTURAL IMMUNOLOGY Volume: 27 Issue: 3 Pages: 338-349, WOS

6. [1.1] Saavedra, N (Saavedra, Nicolas); Cuevas, A (Cuevas, Alejandro); Cavalcante, MF (Cavalcante, Marcela F.); Dorr, FA (Doerr, Felipe A.); Saavedra, K (Saavedra, Kathleen); Zambrano, T (Zambrano, Tomas); Abdalla, DSP (Abdalla, Dulcineia S. P.); Salazar, LA (Salazar, Luis A.): Polyphenols from Chilean Propolis and Pinocembrin Reduce MMP-9 Gene Expression and Activity in Activated Macrophages. In: BIOMED RESEARCH INTERNATIONAL Article Number: 6505383, WOS

7. [1.2] Djerrou, Z., Mokhbi, I., Hadef, K. S., Boutobza, N., Bouzeguine, S., Brighet, I., & Khelfa, B. (2016). Burn wound healing effect and hair growth promoting activity of lawsonia inermis L. and honey in oryctolagus cuniculus rabbits. OnLine Journal of Biological Sciences, 16(2), 82-89, SCOPUS

8. [1.2] SAAVEDRA, Nicolás - CUEVAS, Alejandro - CAVALCANTE, Marcela F. - DÖRR, Felipe A. - SAAVEDRA, Kathleen - ZAMBRANO, Tomás - ABDALLA, Dulcineia S P - SALAZAR, Luis A. Polyphenols from Chilean Propolis and Pinocembrin Reduce MMP-9 Gene Expression and Activity in Activated Macrophages. In BioMed Research International. ISSN 23146133, 2016-01-01, 2016, pp., SCOPUS

9. [1.2] Theoret, C., Lepage, O., Dart, A., Bischofberger, A., Stanley, B., & Koenig, J. (2016). Innovative adjunctive approaches to wound management. In Equine wound management: Third edition (John Wiley & Sons, chapter 22, pp. 508-529), SCOPUS

ADCA435 MAJTÁN, Juraj - BOHOVÁ, Jana - HORNIAČKOVÁ, Miroslava - KLAUDINY, Jaroslav - MAJTÁN, Viktor. Anti-biofilm Effects of Honey Against Wound Pathogens Proteus mirabilis and Enterobacter cloacae. In Phytotherapy Research, 2014, vol. 28, no. 1, p. 69-75. (2.397 - IF2013). (2014 - Current Contents). ISSN 0951-418X. Dostupné na internete: <http://onlinelibrary.wiley.com/doi/10.1002/ptr.4957/epdf>.

Citácie:

1. [1.1] Carter, DA (Carter, Dee A.); Blair, SE (Blair, Shona E.); Cokcetin, NN (Cokcetin, Nural N.); Bouzo, D (Bouzo, Daniel); Brooks, P (Brooks, Peter); Schothauer, R (Schothauer, Ralf); Harry, EJ (Harry, Elizabeth J.): Therapeutic Manuka Honey: No Longer So Alternative. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 569, WOS

2. [1.1] Cooper, R (Cooper, R.): Honey for wound care in the 21st century: JOURNAL OF WOUND CARE Volume: 25 Issue: 9 Pages: 544-552, WOS

3. [1.1] Halstead, FD (Halstead, F. D.); Webber, MA (Webber, M. A.); Rauf, M (Rauf, M.); Burt, R (Burt, R.); Dryden, M (Dryden, M.); Oppenheim, A (Oppenheim, A.): In vitro activity of an engineered honey, medical-grade honeys, and antimicrobial wound dressings against biofilm-producing clinical bacterial isolates. In: JOURNAL OF WOUND CARE Volume: 25 Issue: 2 Pages: 93-102, WOS

4. [1.1] McLoone, P (McLoone, Pauline); Warnock, M (Warnock, Mary); Fyfe, L (Fyfe, Lorna): Honey: A realistic antimicrobial for disorders of the skin. In: JOURNAL OF MICROBIOLOGY IMMUNOLOGY AND INFECTION Volume: 49 Issue: 2 Pages: 161-167, WOS

5. [1.1] Oryan, A (Oryan, Ahmad); Alemzadeh, E (Alemzadeh, Esmat); Moshiri, A (Moshiri, Ali): Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. In. JOURNAL OF TISSUE VIABILITY Volume: 25 Issue: 2 Pages: 98-118, WOS

6. [1.1] Roberts, AEL (Roberts, Aled Edward Lloyd); Brown, HL (Brown, Helen Louise); Jenkins, RE (Jenkins, Rowena Eleri): On the antibacterial effects of manuka honey: mechanistic insights. In: RESEARCH AND REPORTS IN BIOLOGY Volume: 6 Pages: 215-224, WOS

7. [1.1] Scagnelli, AM (Scagnelli, Alyssa M.): THERAPEUTIC REVIEW: MANUKA HONEY. In: JOURNAL OF EXOTIC PET MEDICINE Volume: 25 Issue: 2 Pages: 168-171, WOS

8. [1.1] Sultana, ST (Sultana, Sujala T.); Call, DR (Call, Douglas R.); Beyenal, H (Beyenal, Haluk): Maltodextrin enhances biofilm elimination by electrochemical scaffold. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 36003, WOS

9. [1.1] White, R (White, R.): Manuka honey in wound management: greater than the sum of its parts? In: JOURNAL OF WOUND CARE Volume: 25 Issue: 9 Pages: 539-543, WOS

10. [1.2] Barbosa, D. B., Agostinho Hunt, A. M., Berretta, A., Rodrigues de Camargo, E., Gorup, L. F., Monteiro, D. R., Fernandes, G. L., Fernandes, R. A., Kirker, K. R. (2016). The importance of preventing and controlling biofilm in wounds: Biofilm models and nanotechnology in antibiofilm approaches. In Wound healing biomaterials (Elsevier, Vol. 2, chapter 4, pp. 79-105), SCOPUS

ADCA436 MALECOVÁ, B. - RAMSER, J. - O´BRIEN, J.K. - JANITZ, M. - JÚDOVÁ, J. - LEHRACH, H. - ŠIMÚTH, Jozef. Honeybee (Apis mellifera L.) mrjp gene family: computational analysis of putative promoters and genomic structure of mrjp, the gene coding for the most abundant protein of larval food. In Gene, 2003, vol. 303, p. 165-175. ISSN 0378-1119.

Citácie:

1. [1.1] Chen, D (Chen, Di); Xin, XX (Xin, Xiao-xuan); Qian, HC (Qian, Hao-cheng); Yu, ZY (Yu, Zhang-yin); Shen, LR (Shen, Li-rong):: Evaluation of the major royal jelly proteins as an alternative to fetal bovine serum in culturing human cell lines.In: JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B Volume: 17 Issue: 6 Pages: 476-483, WOS

2. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS

ADCA437 MALKINA, Oľga - HRICOVÍNI, Miloš - BÍZIK, F. - MALKIN, Vladimír. Chemical shifts and spin-spin coupling constants in Me alpha-D-xylopyranoside: A DFT approach. In Journal of Physical

Chemistry A.Molecules, spectroscopy, kinetics, environment, and general theory, 2001, vol. 105, no. 40, p. 9188-9195. ISSN 1089-5639.

Citácie:

1. [1.1] GERBST, Alexey G. - KRYLOV, Vadim B. - ARGUNOV, Dmitry A. - SOLOVEV, Arsenii S. - DMITRENOK, Andrey S. - SHASHKOV, Alexander S. - NIFANTIEV, Nikolay E. Ring distortion in pyranosides caused by per-O-sulfation. In CARBOHYDRATE RESEARCH. ISSN 0008-6215, 2016, vol. 436, no., pp. 20-24., WOS

ADCA438 MALOVÍKOVÁ, Anna - RINAUDO, M. - MILAS, M. Comparative interactions of magnesium and calcium counterions with polygalacturonic acid. In Biopolymers, 1994, vol. 34, p. 1059-1064. ISSN 0006-3525.

Citácie:

1. [1.1] Huynh, UTD (Huynh, Uyen T. D.); Lerbret, A (Lerbret, Adrien); Neiers, F (Neiers, Fabrice); Chambin, O (Chambin, Odile); Assifaoui, A (Assifaoui, Ali): Binding of Divalent Cations to Polygalacturonate: A Mechanism Driven by the Hydration Water. In: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 120 Issue: 5 Pages: 1021-1032, WOS

2. [1.1] Zhao, Y (Zhao, Yun); Li, MJ (Li, Mingjie); Qiu, J (Qiu, Jun); Kong, QS (Kong, Qingshan); Zhang, Y (Zhang, Yue); Li, CX (Li, Chaoxu): Alginate-assisted synthesis of hollow microfibers assembled by SnO2 nanoparticles. In: MATERIALS & DESIGN Volume: 101 Pages: 317-322, WOS

ADCA439 MALOVÍKOVÁ, Anna - HAYAKAWA, K. - KWAK, J.C.T. Surfactant-polyelectrolyte interactions. IV. Surfactant chain lenght dependence of the binding of alkylpyridinium cation to dextran sulfate. In Journal of physical chemistry, 1984, vol. 88, p. 1930-1933. ISSN 0022-3654.

Citácie:

1. [1.1] Ali, A (Ali, Anwar); Uzair, S (Uzair, Sahar); Farooq, U (Farooq, Ummer); Ali, M (Ali, Maroof): Effect of tartrazine dye on micellisation of cationic surfactants: conductometric, spectrophotometric, and tensiometric studies. In: COLORATION TECHNOLOGY Volume: 132 Issue: 5 Pages: 376-386, WOS

2. [1.1] Tennouga, L (Tennouga, L.); Medjahed, K (Medjahed, K.); Mansri, A (Mansri, A.): In: MOROCCAN JOURNAL OF CHEMISTRY Volume: 4 Issue: 3 Pages: 661-668, WOS

ADCA440 MARCUS, S.E. - VERHERTBRUGGEN, Y. - HERVÉ, C. - ORDAZ-ORTIZ, J.J. - FARKAŠ, Vladimír - PEDERSEN, H.L. - WILLATS, W.G.T. - KNOX, J.P. Pectic homogalacturonan masks abundant sets of xyloglucan epitopes in plant cell walls. In Plant biology, 2008, vol. 8, art. No. 60, 12 p. ISSN 1435-8603.

Citácie:

1. [1.1] Amanda, D (Amanda, Dhika); Doblin, MS (Doblin, Monika S.); Galletti, R (Galletti, Roberta); Bacic, A (Bacic, Antony); Ingram, GC (Ingram, Gwyneth C.); Johnson, KL (Johnson, Kim L.): DEFECTIVE KERNEL1 (DEK1) Regulates Cell Walls in the Leaf Epidermis. In: PLANT PHYSIOLOGY Volume: 172 Issue: 4 Pages: 2204-221, WOS

2. [1.1] Anderson, CT (Anderson, Charles T.): We be jammin': an update on pectin biosynthesis, trafficking and dynamics. In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 67 Issue: 2 Special Issue: SI Pages: 495-502, WOS

3. [1.1] Berry, EA (Berry, Elizabeth A.); Tran, ML (Tran, Mai L.); Dimos, CS (Dimos, Christos S.); Budziszek, MJ (Budziszek, Michael J., Jr.); Scavuzzo-Duggan, TR (Scavuzzo-Duggan, Tess R.); Roberts, AW (Roberts, Alison W.): Immuno and Affinity Cytochemical Analysis of Cell Wall Composition in the Moss Physcomitrella patens. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 248, WOS

4. [1.1] Corral-Martinez, P (Corral-Martinez, Patricia); Garcia-Fortea, E (Garcia-Fortea, Edgar); Bernard, S (Bernard, Sophie); Driouich, A (Driouich, Azeddine); Segui-Simarro, JM (Segui-Simarro, Jose M.): Ultrastructural Immunolocalization of Arabinogalactan Protein, Pectin and Hemicellulose Epitopes Through Anther Development in Brassica napus. In.: PLANT AND CELL PHYSIOLOGY Volume: 57 Issue: 10 Pages: 2161-2174, WOS

5. [1.1] Dheilly, E (Dheilly, Emmanuelle); Le Gall, S (Le Gall, Sophie); Guillou, MC (Guillou, Marie-Charlotte); Renou, JP (Renou, Jean-Pierre); Bonnin, E (Bonnin, Estelle); Orsel, M (Orsel, Mathilde); Lahaye, M (Lahaye, Marc): Cell wall dynamics during apple development and storage involves hemicellulose modifications and related expressed genes. In: BMC PLANT BIOLOGY Volume: 16 Article Number: 201, WOS

6. [1.1] Fernandes, JC (Fernandes, J. C.); Goulao, LF (Goulao, L. F.); Amancio, S (Amancio, S.): Immunolocalization of cell wall polymers in grapevine (Vitis vinifera) internodes under nitrogen, phosphorus or sulfur deficiency. In: JOURNAL OF PLANT RESEARCH Volume: 129 Issue: 6 Pages: 1151-1163, WOS

7. [1.1] Fernandes, JC (Fernandes, Joao C.); Goulao, LF (Goulao, Luis F.); Amancio, S (Amancio, Sara): Regulation of cell wall remodeling in grapevine (Vitis vinifera L.) callus under individual mineral stress deficiency. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 190

Pages: 95-105, WOS
8. [1.1] Flores-Borges, DNA (Flores-Borges, Denisele N. A.); Mastroberti, AA (Mastroberti, Alexandra A.); Bona, C (Bona, Cleusa): Ontogeny and distribution of cell-wall glycans during aerenchyma formation in roots of Pistia stratiotes (Araceae). In: BOTANICAL JOURNAL OF THE LINNEAN SOCIETY Volume: 180 Issue: 3 Pages: 401-412, WOS
9. [1.1] Frost, JKT (Frost, Jovyn K. T.); Flanagan, BM (Flanagan, Bernadine M.); Brummell, DA (Brummell, David A.); O'Donoghue, EM (O'Donoghue, Erin M.); Mishra, S (Mishra, Suman); Gidley, MJ (Gidley, Michael J.); Monro, JA (Monro, John A.): Composition and structure of tuber cell walls affect in vitro digestibility of potato (Solanum tuberosum L.). In: FOOD & FUNCTION Volume: 7 Issue: 10 Pages: 4202-4212, WOS
10. [1.1] Kim, JS (Kim, Jong Sik); Daniel, G (Daniel, Geoffrey): DISTRIBUTION OF PHENOLIC COMPOUNDS, PECTINS AND HEMICELLULOSES IN MATURE PIT MEMBRANES AND ITS VARIATION BETWEEN PIT TYPES IN ENGLISH OAK XYLEM (QUERCUS ROBUR). In: IAWA JOURNAL Volume: 37 Issue: 3 Pages: 402-419, WOS
11. [1.1] Kim, JS (Kim, Jong Sik); Daniel, G (Daniel, Geoffrey): VARIATIONS IN CELL WALL ULTRASTRUCTURE AND CHEMISTRY IN CELL TYPES OF EARLYWOOD AND LATEWOOD IN ENGLISH OAK (QUERCUS ROBUR). In: IAWA JOURNAL Volume: 37 Issue: 3 Pages: 383-401, WOS
12. [1.1] Koroney, AS (Koroney, Abdoul Salam); Plasson, C (Plasson, Carole); Pawlak, B (Pawlak, Barbara); Sidikou, R (Sidikou, Ramatou); Driouich, A (Driouich, Azeddine); Menu-Bouaouiche, L (Menu-Bouaouiche, Laurence); Vicre-Gibouin, M (Vicre-Gibouin, Maite): Root exudate of Solanum tuberosum is enriched in galactose-containing molecules and impacts the growth of Pectobacterium atrosepticum. In: ANNALS OF BOTANY Volume: 118 Issue: 4 Special Issue: SI Pages: 797-808, WOS
13. [1.1] Pandey, SK (Pandey, Shashank K.); Nookaraju, A (Nookaraju, Akula); Fujino, T (Fujino, Takeshi); Pattathil, S (Pattathil, Sivakumar); Joshi, CP (Joshi, Chandrashekhar P.): Virus-induced gene silencing (VIGS)-mediated functional characterization of two genes involved in lignocellulosic secondary cell wall formation. In: PLANT CELL REPORTS Volume: 35 Issue: 11 Pages: 2353-2367, WOS
14. [1.1] Pauly, M (Pauly, Markus); Keegstra, K (Keegstra, Kenneth): Biosynthesis of the Plant Cell Wall Matrix Polysaccharide Xyloglucan. In: ANNUAL REVIEW OF PLANT BIOLOGY, VOL 67 Book Series Title: Annual Review of Plant Biology Volume: 67 Pages: 235-259, WOS
15. [1.1] Sechet, J (Sechet, Julien); Frey, A (Frey, Anne); Effroy-Cuzzi, D (Effroy-Cuzzi, Delphine); Berger, A (Berger, Adeline); Perreau, F (Perreau, Francois); Cueff, G (Cueff, Gwendal); Charif, D (Charif, Delphine); Rajjou, L (Rajjou, Loic); Mouille, G (Mouille, Gregory); North, HM (North, Helen M.); Marion-Poll, A (Marion-Poll, Annie): Xyloglucan Metabolism Differentially Impacts the Cell Wall Characteristics of the Endosperm and Embryo during Arabidopsis Seed Germination. In: PLANT PHYSIOLOGY Volume: 170 Issue: 3 Pages: 1367-1380, WOS
16. [1.1] Segado, P (Segado, Patricia); Dominguez, E (Dominguez, Eva); Heredia, A (Heredia, Antonio): Ultrastructure of the Epidermal Cell Wall and Cuticle of Tomato Fruit (Solanum lycopersicum L.) during Development. In: PLANT PHYSIOLOGY Volume: 170 Issue: 2 Pages: 935-946, WOS
17. [1.1] Thangadurai, D (Thangadurai, Devarajan); Sangeetha, J (Sangeetha, Jeyabalan); David, M (David, Muniswamy): FUNGAL BIOMOLECULES FOR DEGRADATION OF XENOBIOTICS AND ECOSYSTEM MANAGEMENT. In: FUNDAMENTALS OF MOLECULAR MYCOLOGY Book Series Title: innovations in Biotechnology Volume: 1 Pages: 127-152, WOS
18. [1.1] Wang, YT (Wang, Yanting); Fan, CF (Fan, Chunfen); Hu, HZ (Hu, Huizhen); Li, Y (Li, Ying); Sun, D (Sun, Dan); Wang, YM (Wang, Youmei); Peng, LC (Peng, Liangcai): Genetic modification of plant cell walls to enhance biomass yield and biofuel production in bioenergy crops. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 5 Pages: 997-1017, WOS
19. [1.2] Balestrini, R., & Kottke, I. (2016). Structure and development of ectomycorrhizal roots. In Molecular mycorrhizal symbiosis (John Wiley & Sons, chapter 4, pp. 47-61), SCOPUS
20. [1.2] Stranne, M., & Sakuragi, Y. (2016). Arabinan: Biosynthesis and a role in host-pathogen interactions. In Plant pathogen resistance biotechnology (John Wiley & Sons, chapter 5, pp. 91-107), SCOPUS

ADCA441 MARKOVIČ, Oskar - JANEČEK, Štefan. Pectin methylesterases: sequence-structural features and phylogenetic relationships. In Carbohydrate Research, 2004, vol. 339, p. 2281-2295. (1.533 - IF2003). (2004 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] FERNANDES, J.C. - GOULAO, L.F. - AMANCIO, S. In JOURNAL OF PLANT PHYSIOLOGY. JAN 15 2016, vol. 190, p. 95-105., WOS
2. [1.1] KENT, L.M. - LOO, T.S. - MELTON, L.D. - MERCADANTE, D. - WILLIAMS, M.A.K. -

JAMESON, G.B. In JOURNAL OF BIOLOGICAL CHEMISTRY. JAN 15 2016, vol. 291, no. 3, p. 1289-1306., WOS
3. [1.1] KIRSCH, R. - HECKEL, D.G. - PAUCHET, Y. In INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY. APR 2016, vol. 71, p. 72-82., WOS
4. [1.1] LI, W.J. - SHANG, H.H. - GE, Q. - ZOU, C.S. - CAI, J. - WANG, D.J. - FAN, S.M. - ZHANG, Z. - DENG, X.Y. - TAN, Y.N. - SONG, W.W. - LI, P.T. - KOFFI, P.K. - JAMSHED, M. - LU, Q.W. - GONG, W.K. - LI, J.W. - SHI, Y.Z. - CHEN, T.T. - GONG, J.W. - LIU, A.Y. - YUAN, Y.L. In BMC GENOMICS. DEC 7 2016, vol. 17., WOS
5. [1.1] ZEGA, A. - D'OVIDIO, R. In PLANT PHYSIOLOGY AND BIOCHEMISTRY. NOV 2016, vol. 108, p. 1-11., WOS

ADCA442 MARKOVIČ, Oskar - CEDERLUND, E. - GRIFFITHS, W.J. - LIPKA, Tibor - JORNWALL, H. Characterization of carrot pectin methylesterase. In Cellular and Molecular Life Sciences, 2002, vol. 59, p. 513-518.

Citácie:
1. [1.1] Christiaens, S (Christiaens, Stefanie); Van Buggenhout, S (Van Buggenhout, Sandy); Houben, K (Houben, Ken); Kermani, ZJ (Kermani, Zahra Jamsazzadeh); Moelants, KRN (Moelants, Katlijn R. N.); Ngouemazong, ED (Ngouemazong, Eugenie D.); Van Loey, A (Van Loey, Ann); Hendrickx, MEG (Hendrickx, Marc E. G.): Process-Structure-Function Relations of Pectin in Food. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Issue: 6 Pages: 1021-1042, WOS
2. [1.1] Kent, LM (Kent, Lisa M.); Loo, TS (Loo, Trevor S.); Melton, LD (Melton, Laurence D.); Mercadante, D (Mercadante, Davide); Williams, MAK (Williams, Martin A. K.); Jameson, GB (Jameson, Geoffrey B.): Structure and Properties of a Non-processive, Salt-requiring, and Acidophilic Pectin Methylesterase from Aspergillus niger Provide Insights into the Key Determinants of Processivity Control. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 3 Pages: 1289-1306, WOS

ADCA443 MARKOVIČ, Oskar - KOHN, Rudolf. Mode of pectin deesterification by Trichoderma reesei pectinesterase. In Experientia : interdisciplinary journal of life sciences, 1984, vol. 40, p. 842-843. ISSN 0014-4754.

Citácie:
1. [1.1] Fernandes, JC (Fernandes, Joao C.); Goulao, LF (Goulao, Luis F.); Amancio, S (Amancio, Sara): Regulation of cell wall remodeling in grapevine (Vitis vinifera L.) callus under individual mineral stress deficiency. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 190 Pages: 95-105, WOS
2. [1.1] Gwanpua, SG (Gwanpua, Sunny George); Mellidou, I (Mellidou, Ifigeneia); Boeckx, J (Boeckx, Jelena); Kyomugasho, C (Kyomugasho, Clare); Bessemans, N (Bessemans, Niels); Verlinden, BE (Verlinden, Bert E.); Hertog, MLATM (Hertog, Maarten L. A. T. M.); Hendrickx, M (Hendrickx, Marc); Nicolai, BM (Nicolai, Bart M.); Geeraerd, AH (Geeraerd, Annemie H.): Expression analysis of candidate cell wall-related genes associated with changes in pectin biochemistry during postharvest apple softening. In: POSTHARVEST BIOLOGY AND TECHNOLOGY Volume: 112 Pages: 176-185, WOS
3. [1.1] Gwanpua, SG (Gwanpua, Sunny George); Verlinden, BE (Verlinden, Bert E.); Hertog, MLATM (Hertog, Maarten L. A. T. M.); Nicolai, BM (Nicolai, Bart M.); Hendrickx, M (Hendrickx, Marc); Geeraerd, A (Geeraerd, Annemie): Slow softening of Kanzi apples (Malus x domestica L.) is associated with preservation of pectin integrity in middle lamella. In: FOOD CHEMISTRY Volume: 211 Pages: 883-891, WOS
4. [1.1] Kent, LM (Kent, Lisa M.); Loo, TS (Loo, Trevor S.); Melton, LD (Melton, Laurence D.); Mercadante, D (Mercadante, Davide); Williams, MAK (Williams, Martin A. K.); Jameson, GB (Jameson, Geoffrey B.): Structure and Properties of a Non-processive, Salt-requiring, and Acidophilic Pectin Methylesterase from Aspergillus niger Provide Insights into the Key Determinants of Processivity Control. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 3 Pages: 1289-1306, WOS
5. [1.1] Krizek, BA (Krizek, Beth A.); Bequette, CJ (Bequette, Carlton J.); Xu, KM (Xu, Kaimei); Blakley, IC (Blakley, Ivory C.); Fu, ZQ (Fu, Zheng Qing); Stratmann, JW (Stratmann, Johannes W.); Loraine, AE (Loraine, Ann E.): RNA-Seq Links the Transcription Factors AINTEGUMENTA and AINTEGUMENTA-LIKE6 to Cell Wall Remodeling and Plant Defense Pathways. In: PLANT PHYSIOLOGY Volume: 171 Issue: 3 Pages: 2069-2084, WOS

ADCA444 MARKOVIČ, Oskar - JANEČEK, Štefan. Pectin degrading glycoside hydrolases of family 28: sequence-structural features, specificities and evolution. In Protein Engineering Design & Selection, 2001, vol. 14, p. 615-631. ISSN 1741-0126.

Citácie:
1. [1.1] GACURA, M.D. - SPROCKETT, D.D. - HEIDENREICH, B. - BLACKWOOD, C.B. In JOURNAL OF MICROBIOLOGICAL METHODS. APR 2016, vol. 123, p. 108-113., WOS

2. [1.1] KIRSCH, R. - HECKEL, D.G. - PAUCHET, Y. In INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY. APR 2016, vol. 71, p. 72-82., WOS
3. [1.1] LIANG, Y. - YU, Y.J. - CUI, J.L. - LYU, M.L. - XU, L.A. - CAO, J.S. In FUNCTIONAL & INTEGRATIVE GENOMICS. NOV 2016, vol. 16, no. 6, p. 641-656., WOS
4. [1.1] LIU, C. - LIU, Z.Y. - LI, C.Y. - ZHANG, Y. - FENG, H. In IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT. APR 2016, vol. 52, no. 2, p. 130-139., WOS
5. [1.1] MCDONNELL, B. - MAHONY, J. - NEVE, H. - HANEMAAIJER, L. - NOBEN, J.P. - KOUWEN, T. - VAN SINDEREN, D. In APPLIED AND ENVIRONMENTAL MICROBIOLOGY. SEP 2016, vol. 82, no. 17, p. 5153-5165., WOS
6. [1.1] MERTENS, J.A. - BOWMAN, M.J. In BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY. JAN 2016, vol. 5, p. 11-16., WOS
7. [1.1] RUIZ, G.B. - DI PIETRO, A. - RONCERO, M.I.G. In MOLECULAR PLANT PATHOLOGY. APR 2016, vol. 17, no. 3, p. 339-353., WOS
8. [1.1] SHOWMAKER, K.C. - BEDNAROVA, A. - GRESHAM, C. - HSU, C.Y. - PETERSON, D.G. - KRISHNAN, N. In PLOS ONE. JAN 20 2016, vol. 11, no. 1., WOS
9. [1.1] TU, T. - LI, Y.Q. - SU, X.Y. - MENG, K. - MA, R. - WANG, Y. - YAO, B. - LIN, Z.M. - LUO, H.Y. In SCIENTIFIC REPORTS. DEC 8 2016, vol. 6., WOS
10. [1.1] VERMELHO, A.B. - CARDOSO, V. - NASCIMENTO, R.P. - PINHEIRO, A.S. - RODRIGUES, I.A. In ADVANCES IN FOOD BIOTECHNOLOGY. 2016, p. 105-131., WOS
11. [1.1] WANG, F.F. - SUN, X. - SHI, X.Y. - ZHAI, H. - TIAN, C.G. - KONG, F.J. - LIU, B.H. - YUAN, X.H. In PLOS ONE. SEP 22 2016, vol. 11, no. 9., WOS
12. [1.2] Chen, H.-F., Shao, H.-X., Fan, S., Ma, J.-J., Zhang, D., Han, M.-Y. Acta Horticulturae Sinica 43 (2016), pp. 1863-1877, SCOPUS

ADCA445 MÁROVÁ, I. - BREIEROVÁ, Emília - KOČÍ, R. - FRIEDL, Z. - SLOVÁK, B. - POKORNÁ, J. Influence of exogenous stress factors on production of carotenoids by some strains of carotenogenic yeasts. In Annals of Microbiology, 2004, vol. 54, p. 73-75. ISSN 1590-4261.

Citácie:
1. [1.1] Villarreal, P (Villarreal, Pablo); Carrasco, M (Carrasco, Mario); Barahona, S (Barahona, Salvador); Alcaino, J (Alcaino, Jennifer); Cifuentes, V (Cifuentes, Victor); Baeza, M (Baeza, Marcelo): Tolerance to Ultraviolet Radiation of Psychrotolerant Yeasts and Analysis of Their Carotenoid, Mycosporine, and Ergosterol Content. In: CURRENT MICROBIOLOGY Volume: 72 Issue: 1 Pages: 94-101, WOS
2. [1.2] Kaczor, A., & Pacia, M. Z. (2016). Impact of stress factors on carotenoid composition, structures, and bioavailability in microbial sources. In Carotenoids in nutrition: Therapy, spectroscopy and technology (John Wiley & Sons, chapter 13, pp. 241-260), SCOPUS

ADCA446 MAROVÁ, Ivana - ČARNECKÁ, Martina - HALIENOVÁ, Andrea - BREIEROVÁ, Emília - KOČÍ, Radka. Production of carotenoid-/ ergosterol-supplemented biomass by red yeast Rhodotorula glutinis grown under external stress. In Food Technology and Biotechnology : Journal of the Faculty of Food Technology and Biotechnology, 2010, vol.48, p. 56-61. (0.976 - IF2009). (2010 - Current Contents). ISSN 1330-9862.

Citácie:
1. [1.1] Kot, AM (Kot, Anna M.); Blazejak, S (Blazejak, Stanislaw); Kurcz, A (Kurcz, Agnieszka); Gientka, I (Gientka, Iwona); Kieliszek, M (Kieliszek, Marek): Rhodotorula glutinis-potential source of lipids, carotenoids, and enzymes for use in industries, In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 14 Pages: 6103-6117, WOS
2. [1.1] Singh, G (Singh, Gunjan); Jawed, A (Jawed, Arshad); Paul, D (Paul, Debarati); Bandyopadhyay, KK (Bandyopadhyay, Kalyan K.); Kumari, A (Kumari, Abha); Haque, S (Haque, Shafiul): Concomitant Production of Lipids and Carotenoids in Rhodosporidium toruloides under Osmotic Stress Using Response Surface Methodology. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1686, WOS
3. [1.2] Kaczor, A., & Pacia, M. Z. (2016). Impact of stress factors on carotenoid composition, structures, and bioavailability in microbial sources. In Carotenoids in nutrition: Therapy, spectroscopy and technology (John Wiley & Sons, chapter 13, pp. 241-260), SCOPUS

ADCA447 MARTINKA, Michal - DOLAN, Liam - PERNAS, Monica - ABE, Jun - LUX, Alexander. Endodermal cell-cell contact is required for the spatial control of Casparian band development in Arabidopsis thaliana. In Annals of Botany, 2012, vol. 110, no. 2, p. 361-371. (4.030 - IF2011). (2012 - Current Contents). ISSN 0305-7364.

Citácie:
1. [1.1] DELUDE, C. - FOUILLEN, L. - BHAR, P. - CARDINAL, M.J. - PASCAL, S. - SANTOS, P. - KOSMA, D.K. - JOUBES, J. - ROWLAND, O. - DOMERGUE, F. Primary Fatty Alcohols Are Major Components of Suberized Root Tissues of Arabidopsis in the Form of Alkyl Hydroxycinnamates. In PLANT PHYSIOLOGY. ISSN 0032-0889, JUL 2016, vol. 171, no. 3, p. 1934-1950., WOS

ADCA448 MASÁROVÁ, Jana - MISLOVIČOVÁ, Danica - GEMEINER, Peter - MICHALKOVÁ, E. Stability enhancement of Escherichia coli penicillin G acylase by glycosylation with yeast mannan. In Biotechnology and Applied Biochemistry, 2001, vol. 34, p. 127-133. (1.216 - IF2000). ISSN 0885-4513.

Citácie:

1. [3.1] Mousavi, M (Mousavi Mohaddesseh); Dehbashi, M (Dehbashi Moein); Movahedi, A (Movahedi Ali.). (2016). Impact of glycosylation on therapeutic glycoproteins. BRITISH JOURNAL OF APPLIED SCIENCE & TECHNOLOGY, vol. 18(1), p. 1-16

ADCA449 MASOUD, H. - PERRY, M.B. - BRISSON, J.R. - UHRÍN, Dušan - RICHARDS, J.C. Structural elucidation of the backbone oligosaccharide from the lipopolysaccharide of Moraxella catarrhalis serotype A. In Canadian journal of chemistry, 1994, vol. 72, p. 1466-1477. ISSN 0008-4042.

Citácie:

1. [1.1] Pokorny, B (Pokorny, Barbara); Kosma, P (Kosma, Paul): Synthesis of 5-O-oligoglucosyl extended alpha-(2 -> 4)-Kdo disaccharides corresponding to inner core fragments of Moraxellaceae lipopolysaccharides. In. CARBOHYDRATE RESEARCH Volume: 422 Pages: 5-12, WOS

2. [1.1] Yang, MJ (Yang, Mingjun); d'Ortoli, TA (d'Ortoli, Thibault Angles); Sawen, E (Sawen, Elin); Jana, M (Jana, Madhurima); Widmalm, G (Widmalm, Goran); MacKerell, AD (MacKerell, Alexander D., Jr.): Delineating the conformational flexibility of trisaccharides from NMR spectroscopy experiments and computer simulations. In: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 28 Pages: 18776-18794, WOS

ADCA450 MASTIHUBA, Vladimír - KREMNICKÝ, Ľubomir - MASTIHUBOVÁ, Mária - WILLET, J.J. - CÔTÉ, G.L. A Spectrophotometric assay for feruloyl esterases. In Analytical Biochemistry, 2002, vol. 309, p. 96-101. ISSN 0003-2697.

Citácie:

1. [1.1] Dilokpimol, A (Dilokpimol, Adiphol); Makela, MR (Makela, Miia R.); Aguilar-Pontes, MV (Aguilar-Pontes, Maria Victoria); Benoit-Gelber, I (Benoit-Gelber, Isabelle); Hilden, KS (Hilden, Kristiina S.); de Vries, RP (de Vries, Ronald P.): Diversity of fungal feruloyl esterases: updated phylogenetic classification, properties, and industrial applications. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 231, WOS

2. [1.1] Gherbovet, O (Gherbovet, Olga); Faure, R (Faure, Regis); Ferreira, F (Ferreira, Fernando); Durand, J (Durand, Julien); Ragon, M (Ragon, Melanie); Hostyn, G (Hostyn, Guillaume); Record, E (Record, Eric); Bozonnet, S (Bozonnet, Sophie); O'Donohue, MJ (O'Donohue, Michael J.): Design of chromogenic probes for efficient screening and evaluation of feruloyl esterase-like activities. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 126 Pages: 24-31, WOS

3. [1.1] Gopalan, N (Gopalan, Nishant); Nampoothiri, KM (Nampoothiri, Kesavan Madhavan); Szakacs, G (Szakacs, George); Parameswaran, B (Parameswaran, Binod); Pandey, A (Pandey, Ashok): Solid-state fermentation for the production of biomass valorizing feruloyl esterase. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 7 Pages: 7-13, WOS

4. [1.1] Grossmann, I (Grossmann, Isabel); Doring, C (Doering, Clemens); Jekle, M (Jekle, Mario); Becker, T (Becker, Thomas); Koehler, P (Koehler, Peter): Compositional Changes and Baking Performance of Rye Dough As Affected by Microbial Transglutaminase and Xylanase. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 28 Pages: 5751-5758, WOS

5. [1.1] Palaniswamy, SK (Palaniswamy, Sakthi Kumaran); Govindaswamy, V (Govindaswamy, Vijayalakshmi): In-vitro probiotic characteristics assessment of feruloyl esterase and glutamate decarboxylase producing Lactobacillus spp. isolated from traditional fermented millet porridge (kambu koozh). In: LWT-FOOD SCIENCE AND TECHNOLOGY Volume: 68 Pages: 208-216, WOS

6. [1.1] Peng, YY (Peng, Yangyang); Fu, SY (Fu, Shiyu); Liu, H (Liu, Hao); Lucia, LA (Lucia, Lucian A.): Accurately Determining Esterase Activity via the Isosbestic Point of p-Nitrophenol. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 10099-10111, WOS

7. [1.1] Perez-Rodriguez, N (Perez-Rodriguez, N.); Moreira, CD (Moreira, C. D.); Agrasar, AT (Agrasar, A. Torrado); Dominguez, JM (Dominguez, J. M.): Feruloyl esterase production by Aspergillus terreus CECT 2808 and subsequent application to enzymatic hydrolysis. In: ENZYME AND MICROBIAL TECHNOLOGY Volume: 91 Pages: 52-58, WOS

8. [1.1] Ramirez-Velasco, L (Ramirez-Velasco, Lorena); Armendariz-Ruiz, M (Armendariz-Ruiz, Mariana); Rodriguez-Gonzalez, JA (Alberto Rodriguez-Gonzalez, Jorge); Muller-Santos, M (Mueller-Santos, Marcelo); Asaff-Torres, A (Asaff-Torres, Ali); Mateos-Diaz, JC (Carlos Mateos-Diaz, Juan): From Classical to High Throughput Screening Methods for Feruloyl Esterases: A Review. In: COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING Volume: 19 Issue: 8 Pages: 616-626, WOS

9. [1.1] Ramos-de-la-Pena, AM (Mayela Ramos-de-la-Pena, Ana); Contreras-Esquivel, JC (Carlos Contreras-Esquivel, Juan): Methods and substrates for feruloyl esterase activity detection; a review. In. JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 130 Pages: 74-87, WOS

10. [1.1] Sharma, M (Sharma, Manju); Mahajan, C (Mahajan, Chhavi); Bhatti, MS (Bhatti, Manpreet S.); Chadha, BS (Chadha, Bhupinder Singh): Profiling and production of hemicellulases by thermophilic fungus Malbranchea flava and the role of xylanases in improved bioconversion of pretreated lignocellulosics to ethanol. In: Sharma, M (Sharma, Manju); Mahajan, C (Mahajan, Chhavi); Bhatti, MS (Bhatti, Manpreet S.); Chadha, BS (Chadha, Bhupinder Singh). In: 3 BIOTECH Volume: 6 Article Number: 30, WOS

ADCA451 MASTIHUBOVÁ, Mária - BIELY, Peter. A common access to 2- and 3-substituted methyl beta-D-xylopyranosides. In Tetrahedron Letters, 2001, vol. 42, p. 9065-9067. ISSN 0040-4039.

Citácie:

1. [1.1] Guo, HB (Guo, Haibing); La Clair, JJ (La Clair, James J.); Masler, EP (Masler, Edward P.); O'Doherty, GA (O'Doherty, George A.); Xing, YL (Xing, Yalan): De novo asymmetric synthesis and biological analysis of the daumone pheromones in Caenorhabditis elegans and in the soybean cyst nematode Heterodera glycines. In: TETRAHEDRON Volume: 72 Issue: 18 Pages: 2280-2286, WOS

ADCA452 MASTIHUBOVÁ, Mária - BIELY, Peter. Deoxy and deoxyfluoro analogues of acetylated methyl β-D-xylopyranoside - substrates for acetylxylan esterases. In Carbohydrate Research, 2004, vol. 339, p. 2101-2110. (1.533 - IF2003). (2004 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Liu, TC (Liu, Tongchao); Hou, J (Hou, Jian); Xie, WC (Xie, Wuchen); Li, Y (Li, You); Ren, HM (Ren, Huanming); Liang, JP (Liang, Jianpeng); Xiong, B (Xiong, Bing); Chen, GH (Chen, Guohua); Cheng, MS (Cheng, Maosheng); Zhao, DM (Zhao, Dongmei); Shen, JK (Shen, Jingkang); Chen, YL (Chen, Yue-Lei): Stereoselective and Regioselective Preparation of C-Pentopyranosides and Formal Synthesis of Omarigliptin. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 34 Pages: 5624-5628, WOS

ADCA453 MASTIHUBOVÁ, Mária - BIELY, Peter. Lipase-catalysed preparation of acetates of 4-nitrophenyl beta-D-xylopyranoside and their use in kinetic studies of acetyl migration. In Carbohydrate Research, 2004, vol. 339, p. 1353-1360. (1.533 - IF2003). (2004 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

ADCA454 MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Donor specificity and regioselectivity in Lipolase mediated acylations of methyl α-d-glucopyranoside by vinyl esters of phenolic acids and their analogues. In Bioorganic & Medicinal Chemistry Letters, 2013, vol. 23, p. 5389-5392. (2.338 - IF2012). (2013 - Current Contents). ISSN 0960-894X.

Citácie:

1. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

2. [1.1] Kadidae, L. O., Usami, A., Matsui, T., Honda, M., & Kunimoto, K. K. (2016). Selective synthesis of caffeoylquinic acids (CQAs) using transesterification of vinyl caffeate. International Journal of Applied Chemistry, 12(3), 193-207, SCOPUS

3. [1.1] Lawandi, J (Lawandi, Janice); Rocheleau, S (Rocheleau, Sylvain); Moitessier, N (Moitessier, Nicolas): Regioselective acylation, alkylation, silylation and glycosylation of monosaccharides. In: TETRAHEDRON Volume: 72 Issue: 41 Pages: 6283-6319, WOS

ADCA455 MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BILANIČOVÁ, D. - BOREKOVÁ, M. Commercial enzyme preparations catalyse feruloylation of glycoside. In Journal of Molecular Catalysis B - Enzymatic, 2006, vol. 38, p. 54-57. ISSN 1381-1177.

Citácie:

1. [1.1] Gopalan, N (Gopalan, Nishant); Nampoothiri, KM (Nampoothiri, Kesavan Madhavan); Szakacs, G (Szakacs, George); Parameswaran, B (Parameswaran, Binod); Pandey, A (Pandey, Ashok): Solid-state fermentation for the production of biomass valorizing feruloyl esterase. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 7 Pages: 7-13, WOS

2. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

3. [1.1] Kelle, S (Kelle, Sebastian); Nieter, A (Nieter, Annabel); Krings, U (Krings, Ulrich); Zelena, K (Zelena, Katerina); Linke, D (Linke, Diana); Berger, RG (Berger, Ralf G.): Heterologous production of a feruloyl esterase from Pleurotus sapidus synthesizing feruloyl-

saccharide esters. In: BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY Volume: 63 Issue: 6 Pages: 852-862, WOS

ADCA456 MASTIHUBOVÁ, Mária - POLÁKOVÁ, Monika. A selective and mild glycosylation method of natural phenolic alcohols. In Beilstein Journal of Organic Chemistry, 2016, vol. 12, p. 524-530. (2.697 - IF2015). (2016 - Current Contents). ISSN 1860-5397.

Citácie:

1. [1.1] Chen, JZ (Chen, Jiazhi); Lu, F (Lu, Fang); Si, XQ (Si, Xiaoqin); Nie, X (Nie, Xin); Chen, JS (Chen, Junsheng); Lu, R (Lu, Rui); Xu, J (Xu, Jie): High Yield Production of Natural Phenolic Alcohols from Woody Biomass Using a Nickel-Based Catalyst. In: CHEMSUSCHEM Volume: 9 Issue: 23 Pages: 3353-3360, WOS

ADCA457 MASTIHUBOVÁ, Mária - SZEMESOVÁ, J. - BIELY, Peter. The acetates of p-nitrophenyl alfa-L-arabinofuranoside - Regioselective preparation by action of lipases. In Bioorganic & Medicinal Chemistry, 2006, vol. 14, p. 1805-1810. (2.286 - IF2005). (2006 - Current Contents). ISSN 0968-0896.

Citácie:

1. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

ADCA458 MAŠTEROVÁ, I. - UHRÍN, Dušan. Phytochemical study of Salvia officinalis L. In Chemical Papers - Chemické zvesti, 1989, vol. 43, p. 797-803. ISSN 0366-6352.

Citácie:

1. [1.1] Jash, SK (Jash, Shyamal K.); Gorai, D (Gorai, Dilip); Roy, R (Roy, Rajiv): SALVIA GENUS AND TRITERPENOIDS. In: INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH Volume: 7 Issue: 12 Pages: 4710-4732, WOS

2. [1.1] Lee, SJ (Lee, Seung-Jae); Jang, HJ (Jang, Hyun-Jae); Kim, Y (Kim, Yesol); Oh, HM (Oh, Hyun-Mee); Lee, S (Lee, Soyoung); Jung, K (Jung, Kyungsook); Kim, YH (Kim, Young-Ho); Lee, WS (Lee, Woo-Song); Lee, SW (Lee, Seung-Woong); Rho, MC (Rho, Mun Chual): Inhibitory effects of IL-6-induced STAT3 activation of bio-active compounds derived from Salvia plebeia R.Br. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 12 Pages: 2222-2229, WOS

ADCA459 MAŠTEROVÁ, I. - GRANČAIOVÁ, Z. - UHRÍNOVÁ, S. - SUCHÝ, V. - UBÍK, K. - NAGY, M. Flavonoids in flowers of Calendula officinalis L. In Chemical Papers - Chemické zvesti, 1991, vol. 45, p. 105-108. ISSN 0366-6352.

Citácie:

1. [1.1] Hafez-Ghoran, S (Hafez-Ghoran, Salar); Ebrahimi, P (Ebrahimi, Pouneh); Mighani, H (Mighani, Hossein); Saeidnia, S (Saeidnia, Soudabeh): Isolation and characterization of homoisoflavonoids from Scilla persica HAUSSKN. In: BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES Volume: 51 Issue: 4 Pages: 949-955, WOS

2. [1.1] Honorio, ICG (Gomes Honorio, Isabela Cristina); Bonfim, FPG (Giardini Bonfim, Filipe Pereira); Montoya, SG (Montoya, Sebastian Giraldo); Casali, VWD (Dias Casali, Vicente Wagner); Leite, JPV (Viana Leite, Joao Paulo); Cecon, PR (Cecon, Paulo Roberto): Growth, development and content of flavonoids in calendula (Calendula officinalis L.). In. ACTA SCIENTIARUM-AGRONOMY Volume: 38 Issue: 1 Pages: 69-75, WOS

3. [1.1] Miguel, M (Miguel, Maria); Barros, L (Barros, Lillian); Pereira, C (Pereira, Carla); Calhelha, RC (Calhelha, Ricardo C.); Garcia, PA (Garcia, Pablo A.); Castro, MA (Angeles Castro, Ma); Santos-Buelga, C (Santos-Buelga, Celestino); Ferreira, ICFR (Ferreira, Isabel C. F. R.): Chemical characterization and bioactive properties of two aromatic plants: Calendula officinalis L. (flowers) and Mentha cervina L. (leaves). In: FOOD & FUNCTION Volume: 7 Issue: 5 Pages: 2223-2232, WOS

4. [1.1] Raal, A (Raal, Ain); Orav, A (Orav, Anne); Nesterovitsch, J (Nesterovitsch, Julia); Maidla, K (Maidla, Kerttu): Analysis of Carotenoids, Flavonoids and Essential Oil of Calendula officinalis Cultivars Growing in Estonia. In: NATURAL PRODUCT COMMUNICATIONS Volume: 11 Issue: 8 Pages: 1157-1160, WOS

ADCA460 MAŠTEROVÁ, I. - SUCHÝ, V. - UHRÍN, Dušan - UBÍK, K. - GRANČAIOVÁ, Z. - BOBOVNICKÝ, B. Homoisoflavanones and other constituents from Muscari racemosum. In Phytochemistry, 1991, vol. 30, p. 713-714. ISSN 0031-9422.

Citácie:

1. [1.1] Ghoran, SH (Ghoran, Salar Hafez); Saeidnia, S (Saeidnia, Soodabeh); Babaei, E (Babaei, Esmaeil); Kiuchi, F (Kiuchi, Fumiyuki); Hussain, H (Hussain, Hidayat): Scillapersicene: a new homoisoflavonoid with cytotoxic activity from the bulbs of Scilla persica HAUSSKN. In: NATURAL PRODUCT RESEARCH Volume: 30 Issue: 11 Pages: 1309-1314, WOS

ADCA461 MATULOVÁ, Mária - NOUAILLE, R. - CAPEK, Peter - PÉAN, M. - FORANO, E. - DELORT, A.-M. Degradation of wheat straw by Fibrobacter succinogenes S85: a liquid- and solid-state nuclear magnetic resonance study. In Applied and Environmental Microbiology, 2005, vol. 71, p. 1247-1253.

(3.810 - IF2004). (2005 - Current Contents). ISSN 0099-2240.

Citácie:

1. [1.2] Zhu, N., Shi, H., Cao, N., Xiong, X., Niu, M., & Ping, Q. (2016). Isolation of hemicelluloses from acacia wood with hydrothermal prehydrolysis and its characterization of structure and component. Huagong Xuebao/CIESC Journal, 67(6), 2605-2611, SCOPUS

ADCA462 MATULOVÁ, Mária - CAPEK, Peter - KANEKO, Satoshi - NAVARINI, Luciano - LIVERANI, Furio Suggi. Structure of arabinogalactan oligosaccharides derived from arabinogalactan-protein of Coffea arabica instant coffee powder. In Carbohydrate Research, 2011, vol. 346, p. 1029-1036. (1.898 - IF2010). (2011 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Makarova, EN (Makarova, Elena N.); Shakhmatov, EG (Shakhmatov, Evgeny G.); Belyy, VA (Belyy, Vladimir A.): Structural characteristics of oxalate-soluble polysaccharides of Sosnowsky's hogweed (Heracleum sosnowskyi Manden). In: CARBOHYDRATE POLYMERS Volume: 153 Pages: 66-77, WOS

2. [1.1] Shakhmatov, EG (Shakhmatov, Evgeny G.); Atukmaev, KV (Atukmaev, Konstantin V.); Makarova, EN (Makarova, Elena N.): Structural characteristics of pectic polysaccharides and arabinogalactan proteins from Heracleum sosnowskyi Manden. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 1358-1369, WOS

3. [1.1] Teixeira, O. R., Passos, F. R., & Mendes, F. Q. (2016). Physico-chemical and microscopic quality of 14 trademark roasted and ground coffee. [Qualidade físico-química e microscópica de 14 marcas comerciais de café torrado e moído] Coffee Science, 11(3), 396-403, SCOPUS

ADCA463 MATULOVÁ, Mária - HUSÁROVÁ, Slavomíra - CAPEK, Peter - SANCELME, Martine - DELORT, Anne-Marie. NMR structural study of fructans produced by Bacillus sp. 3B6, bacterium isolated in cloud water. In Carbohydrate Research, 2011, vol. 346, p. 501-507. (1.898 - IF2010). (2011 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Lopes, SMS (Sanches Lopes, Sheila Mara); Francisco, MG (Francisco, Mariane Grigio); Higashi, B (Higashi, Bruna); de Almeida, RTR (Ribeiro de Almeida, Rafaela Takako); Krausova, G (Krausova, Gabriela); Pilau, EJ (Pilau, Eduardo Jorge); Goncalves, JE (Goncalves, Jose Eduardo); Goncalves, RAC (Correia Goncalves, Regina Aparecida); de Oliveira, AJB (Braz de Oliveira, Arildo Jose): Chemical characterization and prebiotic activity of fructo-oligosaccharides from Stevia rebaudiana (Bertoni) roots and in vitro adventitious root cultures. In. CARBOHYDRATE POLYMERS Volume: 152 Pages: 718-725, WOS

2. [1.2] Xu, J., Chen, D., Liu, C., Wu, X. Z., Dong, C. X., & Zhou, J. (2016). Structural characterization and anti-tumor effects of an inulin-type fructan from atractylodes chinensis. International Journal of Biological Macromolecules, 82, 765-771, SCOPUS

ADCA464 MAZÁŇ, Marián - BLANCO, Noelia - KOVÁČOVÁ, Kristína - FIRÁKOVÁ, Zuzana - ŘEHULKA, Pavel - FARKAŠ, Vladimír - ARROYO, Javier. A novel fluorescence assay and catalytic properties of Crh1 and Crh2 yeast cell wall transglycosylases. In Biochemical Journal, 2013, vol. 455, p. 307-318. (4.654 - IF2012). (2013 - Current Contents). ISSN 0264-6021.

Citácie:

1. [1.1] de Groot, PWJ (de Groot, Piet W. J.); de Boer, AD (de Boer, Albert D.); Brandt, BW (Brandt, Bernd W.); Valentin, E (Valentin, Eulogio): Ascomycetous Cell Wall: From a Proteomic Perspective. In: GROWTH, DIFFERENTIATION AND SEXUALITY, 3RD EDITION Book Series Title: Mycota-A Comprehensive Treatise on Fungi as Experimental Systems for Basic and Applied Research Volume: 1 Pages: 81-101, WOS

ADCA465 MAZÁŇ, Marián - RAGNI, Enrico - POPOLO, Laura - FARKAŠ, Vladimír. Catalytic properties of the gas family beta-(1,3)-glucanosyltransferases active in fungal cell-wall biogenesis as determined by a novel fluorescent assay. In Biochemical Journal, 2011, vol. 438, p. 275-282. (5.016 - IF2010). (2011 - Current Contents). ISSN 0264-6021.

Citácie:

1. [1.1] Matsushika, A (Matsushika, Akinori); Negi, K (Negi, Kanako); Suzuki, T (Suzuki, Toshihiro); Goshima, T (Goshima, Tetsuya); Hoshino, T (Hoshino, Tamotsu): Identification and Characterization of a Novel Issatchenkia orientalis GPI-Anchored Protein, IoGas1, Required for Resistance to Low pH and Salt Stress. In: PLOS ONE Volume: 11 Issue: 9 Article Number: e0161888, WOS

2. [1.1] Raich, L (Raich, Lluis); Borodkin, V (Borodkin, Vladimir); Fang, WX (Fang, Wenxia); Castro-Lopez, J (Castro-Lopez, Jorge); van Aalten, DMF (van Aalten, Daan M. F.); Hurtado-Guerrero, R (Hurtado-Guerrero, Ramon); Rovira, C (Rovira, Carme): A Trapped Covalent Intermediate of a Glycoside Hydrolase on the Pathway to Transglycosylation. Insights from Experiments and Quantum Mechanics/Molecular Mechanics Simulations. In: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 138 Issue: 10 Pages: 3325-3332, WOS

ADCA466 MIADOKOVÁ, Eva - RAUKO, Peter - KOGAN, Grigorij - VLČKOVÁ, Eva - SVIDOVÁ, Soňa -

DÚHOVÁ, Viola - NAĎOVÁ, S. Diverse biomodulatory effects of glucomannan from Candida utilis. In Toxicology in vitro, 2006, vol. 20, p. 649-657. (0.772 - IF2005). ISSN 0887-2333.

Citácie:

1. [1.1] FDHILA, Kais - HADDAJI, Najla - CHAKROUN, Ibtissem - MACHERKI, Mohammed Ezz Eddine - NEFZI, Faten - BAKHROUF, Amina. Glucomannan's protective effect on the virulence of Vibrio splendidus in pacific oyster. In FISH & SHELLFISH IMMUNOLOGY. ISSN 1050-4648, 2016, vol. 56, no., pp. 410-416., WOS

2. [1.1] Freitas, F (Freitas, Filomena); Roca, C (Roca, Christophe); Reis, MAM (Reis, Maria A. M.): Fungi as Sources of Polysaccharides for Pharmaceutical and Biomedical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3, BIODEGRADABLE POLYMERS Pages: 61-103, WOS

3. [1.1] ZIA, Fatima - ZIA, Khalid Mahmood - ZUBER, Mohammad - AHMAD, Hafiz Badaruddin - MUNEER, Majld. Glucomannan based polyurethanes: A critical short review of recent advances and future perspectives. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2016, vol. 87, no., pp. 229-236., WOS

ADCA467 MIKULÁŠOVÁ, M. - KOŠÍKOVÁ, Božena. Modulation of mutagenicity of various mutagens by lignin derivatives. In Mutation Research, 2003, vol. 535, p. 171-180. ISSN 1568-7864.

Citácie:

1. [1.1] Bartzoka, ED (Bartzoka, Elisavet D.); Crestini, C (Crestini, Claudia); Lange, H (Lange, Heiko): Biomass Derived and Biomass Inspired Polymers in Pharmaceutical Applications. In: HANDBOOK OF POLYMERS FOR PHARMACEUTICAL TECHNOLOGIES: VOL 3, BIODEGRADABLE POLYMERS Pages: 127-203, WOS

2. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

ADCA468 MIKULÁŠOVÁ, M. - KOŠÍKOVÁ, Božena - ALEXY, P. - KAČÍK, F. - URGELOVÁ, E. Effect of blending lignin biopolymer on the biodegradability of polyolefin plastics. In World Journal of Microbiology & Biotechnology, 2001, vol. 17, p. 601-607. (0.530 - IF2000). (2001 - Current Contents). ISSN 0959-3993.

Citácie:

1. [1.1] Jung, JY (Jung, Jae Yeong); Lee, Y (Lee, Yumi); Lee, EY (Lee, Eun Yeol): Value-added Utilization of Lignin Residue from Pretreatment Process of Lignocellulosic Biomass. In: APPLIED CHEMISTRY FOR ENGINEERING Volume: 27 Issue: 2 Pages: 135-144, WOS

2. [1.1] Kim, S (Kim, Sunghoon); Oh, S (Oh, Seungtaek); Lee, J (Lee, Jungmin); Roh, HG (Roh, Hyun-gyoo); Park, J (Park, Jongshin): Changes of Lignin Molecular Structures in a Modification of Kraft Lignin Using Acid Catalyst. In: Materials Volume: 9 Issue: 8 Article Number: 657, WOS

ADCA469 MIRANDE, C. - KADLEČÍKOVÁ, E. - MATULOVÁ, Mária - CAPEK, Peter - BERNALIER-DONADILLE, A. - FORANO, E. - BÉRA-MAILLET, C. Dietary fibre degradation and fermentation by two xylanolytic bacteria Bacteroides xylanisolvens XB1A T and Roseburia intestinalis XB6B4 from human intestine. In Journal of Applied Microbiology, 2010, vol. 109, p. 451-460. (2.098 - IF2009). (2010 - Current Contents). ISSN 1364-5072.

Citácie:

1. [1.1] Despres, J (Despres, Jordane); Forano, E (Forano, Evelyne); Lepercq, P (Lepercq, Pascale); Comtet-Marre, S (Comtet-Marre, Sophie); Jubelin, G (Jubelin, Gregory); Chambon, C (Chambon, Christophe); Yeoman, CJ (Yeoman, Carl J.); Miller, MEB (Miller, Margaret E. Berg); Fields, CJ (Fields, Christopher J.); Martens, E (Martens, Eric); Terrapon, N (Terrapon, Nicolas); Henrissat, B (Henrissat, Bernard); White, BA (White, Bryan A.); Mosoni, P (Mosoni, Pascale): Xylan degradation by the human gut Bacteroides xylanisolvens XB1A(T) involves two distinct gene clusters that are linked at the transcriptional level. In: BMC GENOMICS Volume: 17 Article Number: 326, WOS

2. [1.1] Van de Wiele, T (Van de Wiele, Tom); Van Praet, JT (Van Praet, Jens T.); Marzorati, M (Marzorati, Massimo); Drennan, MB (Drennan, Michael B.); Elewaut, D (Elewaut, Dirk): How the microbiota shapes rheumatic diseases. In: NATURE REVIEWS RHEUMATOLOGY Volume: 12 Issue: 7 Pages: 398-411, WOS

3. [1.1] Zhu, N (Zhu, Ning); Yang, JS (Yang, Jinshui); Ji, L (Ji, Lei); Liu, JW (Liu, Jiawen); Yang, Y (Yang, Yi); Yuan, HL (Yuan, Hongli): Metagenomic and metaproteomic analyses of a corn stover-adapted microbial consortium EMSD5 reveal its taxonomic and enzymatic basis for degrading lignocellulose. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 243, WOS

ADCA470 MISLOVIČOVÁ, Danica - MASÁROVÁ, Jana - VIKARTOVSKÁ, Alica, Welwardová -

GEMEINER, Peter - MICHALKOVÁ, E. Biospecific immobilization of mannan-penicillin G acylase neoglycoenzyme on Concanavalin A-bead cellulose. In Journal of Biotechnology, 2004, vol. 110, p. 11-19. ISSN 0168-1656.

Citácie:

1. [1.1] Sirisha, VL (Sirisha, V. L.); Jain, A (Jain, Ankita); Jain, A (Jain, Amita): Enzyme Immobilization: An Overview on Methods, Support Material, and Applications of Immobilized Enzymes. In: ADVANCES IN FOOD AND NUTRITION RESEARCH, VOL 79: MARINE ENZYMES BIOTECHNOLOGY: PRODUCTION AND INDUSTRIAL APPLICATIONS, PT II - MARINE ORGANISMS PRODUCING ENZYMES Book Series Title: Advances in Food and Nutrition Research Volume: 79 Pages: 179-211, WOS

2. [1.1] Witono, Y., & Azkiyah, L. (2016). Immobilization of crown flower (calotropis gigantea) protease using celite and dextrin. International Journal on Advanced Science, Engineering and Information Technology, 6(2), 201-204, SCOPUS

3. [1.2] Salem, K. S., Rashid, T. U., Asaduzzaman, Islam, M. M., Khan, M. N., Sharmeen, S., Rahman, M. M., Haque, P. (2016). Recent updates on immobilization of microbial cellulase. In New and future developments in microbial biotechnology and bioengineering: Microbial cellulase system properties and applications (Elsevier, chapter 11, pp. 107-139), SCOPUS

ADCA471 MISLOVIČOVÁ, Danica - MICHÁLKOVÁ, E. - VIKARTOVSKÁ, Alica, Welwardová. Immobilized glucose oxidase on different supports for biotransformation removal of glucose from oligosaccharide mixture. In Process Biochemistry, 2007, vol. 42, p. 704-709.

Citácie:

1. [1.1] Ji, QZ (Ji, Qingzhi); Wang, BC (Wang, Bochu); Tan, J (Tan, Jun); Zhu, LC (Zhu, Liancai); Li, LY (Li, Liuying): Immobilized multienzymatic systems for catalysis of cascade reactions. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 9 Pages: 1193-1203, WOS

ADCA472 MISLOVIČOVÁ, Danica - MASÁROVÁ, Jana - BUČKO, Marek - GEMEINER, Peter. Stability of penicillin G acylase modified with various polysaccharides. In Enzyme and Microbial Technology, 2006, vol. 39, p. 579-585. (2006 - Current Contents). ISSN 0141-0229.

Citácie:

1. [1.1] Abdel-Naby, MA (Abdel-Naby, Mohamed A.); Ibrahim, MHA (Ibrahim, M. H. A.); El-Refai, HA (El-Refai, H. A.): Catalytic, kinetic and thermodynamic properties of Bacillus pumilus FH9 keratinase conjugated with activated pectin. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 85 Pages: 238-245, WOS

ADCA473 MISLOVIČOVÁ, Danica - KATRLÍK, Jaroslav - PAULOVIČOVÁ, Ema - GEMEINER, Peter - TKÁČ, Ján. Comparison of three distinct ELLA protocols for determination of apparent affinity constants between Con A and glycoproteins. In Colloids and Surfaces B, 2012, vol. 94, p. 163-169. (3.456 - IF2011). (2012 - Current Contents). ISSN 0927-7765.

Citácie:

1. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS

2. [1.1] Li, XM (Li, Xueming); Song, SY (Song, Siyu); Pei, YX (Pei, Yuxin); Dong, H (Dong, Hai); Aastrup, T (Aastrup, Teodor); Pei, ZC (Pei, Zhichao): Oriented and reversible immobilization of His-tagged proteins on two- and three-dimensional surfaces for study of protein-protein interactions by a QCM biosensor. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 224 Pages: 814-822, WOS

ADCA474 MISLOVIČOVÁ, Danica - MASÁROVÁ, Jana - BENDZALOVA, K. - ŠOLTÉS, Ladislav - MACHOVÁ, Eva. Sonication of chitin-glucan, preparation of water-soluble fractions and characterization by HPLC. In Ultrasonics Sonochemistry, 2000, vol. 7, no. 2, p. 63-68. (1.732 - IF1999). (2000 - Current Contents). ISSN 1350-4177.

Citácie:

1. [1.1] ABDEL-MOHSEN, A. M. - JANCAR, J. - MASSOUD, D. - FOHLEROVA, Z. - ELHADIDY, H. - SPOTZ, Z. - HEBEISH, A. Novel chitin/chitosan-glucan wound dressing: Isolation, characterization, antibacterial activity and wound healing properties. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, 2016, vol. 510, no. 1, p. 86-99., WOS

2. [1.1] CHEN, Y. - YAO, F.K. - MING, K. - WANG, D.Y. - HU, Y.L. - LIU, J.G. Polysaccharides from traditional chinese medicines: Extraction, purification, modification, and biological activity. In MOLECULES. ISSN 1420-3049, 2016, vol. 21, no. 12, article number 1705., WOS

3. [1.1] HOU, F. - WU, Y.W. - KAN, L.N. - LI, Q. - XIE, S.S. - OUYANG, J. Effects of Ultrasound on the Physicochemical Properties and Antioxidant Activities of Chestnut Polysaccharide. In INTERNATIONAL JOURNAL OF FOOD ENGINEERING. ISSN 2194-5764, 2016, vol. 12, no. 5,

p. 439-449., WOS

ADCA475 MIŠALOVÁ, A. - ĎURKOVIČ, J. - MAMOŇOVÁ, M. - PRIWITZER, T. - LENGYELOVÁ, A. - HLADKÁ, D. - LUX, Alexander. Changes in leaf organisation, photosynthetic performance and wood formation during ex vitro acclimatisation of black mulberry (Morus nigra L.). In Plant biology, 2009, vol. 11, p. 686-693. (1.944 - IF2008). ISSN 1435-8603.

Citácie:

1. [1.1] Ilczuk, A (Ilczuk, Agnieszka); Jacygrad, E (Jacygrad, Ewelina): In vitro propagation and assessment of genetic stability of acclimated plantlets of Cornus alba L. using RAPD and ISSR markers. In: IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT Volume: 52 Issue: 4 Pages: 379-390, WOS

ADCA476 MLČOCHOVÁ, D. - BYSTRICKÝ, Slavomír - STEINER, Bohumil - MACHOVÁ, Eva - KOÓŠ, Miroslav - VELEBNÝ, V. - KRČMÁŘ, M. Synthesis and characterization of new biodegradable hyaluronan alkyl derivates. In Biopolymers, 2006, vol. 82, p. 74-79. ISSN 0006-3525.

Citácie:

1. [1.1] Chytil, M (Chytil, Martin); Trojan, M (Trojan, Martin); Kovalenko, A (Kovalenko, Alexander): Study on mutual interactions and electronic structures of hyaluronan with Lysine, 6-Aminocaproic acid and Arginine. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 8-15, WOS

ADCA477 MLČOCHOVÁ, P. - HÁJKOVÁ, V. - STEINER, Bohumil - BYSTRICKÝ, Slavomír - KOÓŠ, Miroslav - MEDOVÁ, M. - VELEBNÝ, V. Preparation and characterization of biodegradable alkylether derivatives of hyaluronan. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 69, p. 344-352. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Chytil, M (Chytil, Martin); Trojan, M (Trojan, Martin); Kovalenko, A (Kovalenko, Alexander): Study on mutual interactions and electronic structures of hyaluronan with Lysine, 6-Aminocaproic acid and Arginine. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 8-15, WOS

ADCA478 MOKRÝ, Jozef - KOMPIŠ, I. - SPITELLER, G. Further minor alkaloids from Vinca minor L. In Collection of Czechoslovak Chemical Communications, 1967, vol. 32, p. 2523-2531. ISSN 0010-0765.

Citácie:

1. [1.1] Piemontesi, C (Piemontesi, Cyril); Wang, Q (Wang, Qian); Zhu, JP (Zhu, Jieping): Enantioselective Total Synthesis of (-)-Terengganensine A. In: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 55 Issue: 22 Pages: 6556-6560, WOS

ADCA479 MOLNÁROVÁ, Jana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Extracellular enzymatic activities and physiological profiles of yeasts colonizing fruit trees. In Journal of Basic Microbiology, 2014, vol. 54, p. S74-S84. (1.822 - IF2013). (2014 - Current Contents). ISSN 0233-111X.

Citácie:

1. [1.1] Bennamoun, L (Bennamoun, Leila); Hiligsmann, S (Hiligsmann, Serge); Dakhmouche, S (Dakhmouche, Scheherazad); Ait-Kaki, A (Ait-Kaki, Amel); Labbani, FZK (Labbani, Fatima-Zohra Kenza); Nouadri, T (Nouadri, Tahar); Meraihi, Z (Meraihi, Zahia); Turchetti, B (Turchetti, Benedetta); Buzzini, P (Buzzini, Pietro); Thonart, P (Thonart, Philippe): Production and Properties of a Thermostable, pH-Stable Exo-Polygalacturonase Using Aureobasidium pullulans Isolated from Saharan Soil of Algeria Grown on Tomato Pomace. In: FOODS Volume: 5 Issue: 4 Article Number: 72, WOS

2. [1.1] El-Amrani, M (El-Amrani, Mustapha); Ebada, SS (Ebada, Sherif S.); Gad, HA (Gad, Haidy A.); Proksch, P (Proksch, Peter): Pestalotiopamide E and pestalotiopin B from an endophytic fungus Aureobasidium pullulans isolated from Aloe vera leaves. In: PHYTOCHEMISTRY LETTERS Volume: 18 Pages: 95-98, WOS

3. [1.1] Jaiboon, K (Jaiboon, Kanokjun); Lertwattanasakul, N (Lertwattanasakul, Noppon); Limtong, P (Limtong, Pitayakon); Limtong, S (Limtong, Savitree): Yeasts from peat in a tropical peat swamp forest in Thailand and their ability to produce ethanol, indole-3-acetic acid and extracellular enzymes. In: MYCOLOGICAL PROGRESS Volume: 15 Issue: 7 Pages: 755-770, WOS

4. [1.1] Moller, L (Moller, Leandra); Lerm, B (Lerm, Barbra); Botha, A (Botha, Alfred): Interactions of arboreal yeast endophytes: an unexplored discipline. In: FUNGAL ECOLOGY Volume: 22 Pages: 73-82, WOS

ADCA480 MONOSÍK, Rastislav - STREDANSKÝ, Miroslav - TKÁČ, Ján - ŠTURDÍK, Ernest. Application of enzyme biosensors in Analysis of food and beverages. In Food Analytical Methods, 2012, vol. 5, p. 40-53. (1.943 - IF2011). (2012 - Current Contents). ISSN 1936-9751.

Citácie:

1. [1.1] Fukazawa, K (Fukazawa, Kyoko); Ishihara, K (Ishihara, Kazuhiko): Enhanced stability of

NADH/dehydrogenase mixture system by water-soluble phospholipid polymers. In: BIOMATERIALS AND BIOMECHANICS IN BIOENGINEERING Volume: 3 Issue: 1 Pages: 37-46, WOS
2. [1.1] Hu, WH (Hu, Weihong); Sun, DW (Sun, Da-Wen); Pu, HB (Pu, Hongbin); Pan, TT (Pan, Tingtiao): Recent Developments in Methods and Techniques for Rapid Monitoring of Sugar Metabolism in Fruits. In: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY Volume: 15 Issue: 6 Pages: 1067-1079, WOS
3. [1.1] Jomma, EY (Jomma, Ezzaldeen Younes); Ding, SN (Ding, Shou-Nian): Recent Advances on Electrochemical Enzyme Biosensors. In: CURRENT ANALYTICAL CHEMISTRY Volume: 12 Issue: 1 Pages: 5-21, WOS
4. [1.1] Mehrotra, P. (2016). Biosensors and their applications - A review. Journal of Oral Biology and Craniofacial Research, 6(2), 153-159, SCOPUS
5. [1.1] Porfirio, FFO (Porfirio, Flavia F. O.); Giarola, JD (Giarola, Juliana de Fatima); Pereira, AC (Pereira, Arnaldo Cesar): Biosensor and Beverages - Review. In: REVISTA VIRTUAL DE QUIMICA Volume: 8 Issue: 5 Pages: 1366-1391, WOS
6. [1.1] Rosati, G (Rosati, G.); Scaramuzza, M (Scaramuzza, M.); Pasqualotto, E (Pasqualotto, E.); De Toni, A (De Toni, A.); Reggiani, C (Reggiani, C.); Paccagnella, A (Paccagnella, A.): Modeling of SAM Impedance Onto Gold and Silver Thin-Film Mass-Produced Electrodes and Their Use for Optimization of Lactic Acid Detection. In: IEEE TRANSACTIONS ON NANOBIOSCIENCE Volume: 15 Issue: 7 Pages: 756-764, WOS
7. [1.1] Salazar, P (Salazar, Pedro); Rico, V (Rico, Victor); Gonzalez-Elipe, AR (Gonzalez-Elipe, Agustin R.): Non-Enzymatic Glucose Sensors Based on Nickel Nanoporous Thin Films Prepared by Physical Vapor Deposition at Oblique Angles for Beverage Industry Applications. In: JOURNAL OF THE ELECTROCHEMICAL SOCIETY Volume: 163 Issue: 14 Pages: B704-B709, WOS
8. [1.1] Shkotova, LV (Shkotova, Lyudmyla V.); Piechniakova, NY (Piechniakova, Nataliia Y.); Kukla, OL (Kukla, Oleksandr L.); Dzyadevych, SV (Dzyadevych, Sergei V.): Thin-film amperometric multibiosensor for simultaneous determination of lactate and glucose in wine. In: FOOD CHEMISTRY Volume: 197 Pages: 972-978, WOS
9. [1.1] Shukla, SK (Shukla, S. K.); Govender, PP (Govender, P. P.); Tiwari, A (Tiwari, A.): Polymeric Micellar Structures for Biosensor Technology. In: ADVANCES IN BIOMEMBRANES AND LIPID SELF-ASSEMBLY, VOL 24 Book Series Title: Advances in Biomembranes and Lipid Self-Assembly Volume: 24 Pages: 143-161, WOS
10. [1.1] de Oliveira, AEF (de Oliveira, Ana Elisa F.); Pereira, AC (Pereira, Arnaldo Cesar): REVISTA VIRTUAL DE QUIMICA Volume: 8 Issue: 5 Pages: 1311-1333, WOS

ADCA481 MONOŠÍK, Rastislav - MAGDOLEN, Peter - STREĎANSKÝ, Miroslav - ŠTURDÍK, Ernest. Monitoring of monosaccharides, oligosaccharides, ethanol and glycerol during wort fermentation by biosensors, HPLC and spectrophotometry. In Food Chemistry, 2013, vol. 138, p. 220-226. (3.334 - IF2012). (2013 - Current Contents). ISSN 0308-8146.

Citácie:
1. [1.1] Aparicio, C (Aparicio, C.); Elvira, L (Elvira, L.); Duran, C (Duran, C.); Montero, F (Montero, F.); Resa, P (Resa, P.): Low volume ultrasonic resonator for liquid characterization under continuous flow conditions. In: MEASUREMENT SCIENCE AND TECHNOLOGY Volume: 25 Issue: 11 Article Number: 115302, WOS
2. [1.1] Ding, XT (Ding, Xianting): JALA Special Issue: New Developments in Biosensing Technologies. In: JALA Volume: 20 Issue: 4 Special Issue: SI Pages: 311-315, WOS
3. [1.1] Kamanin, SS (Kamanin, S. S.); Arlyapov, VA (Arlyapov, V. A.); Machulin, AV (Machulin, A. V.); Alferov, VA (Alferov, V. A.); Reshetilov, AN (Reshetilov, A. N.): Biosensors based on modified screen-printed enzyme electrodes for monitoring of fermentation processes. In: RUSSIAN JOURNAL OF APPLIED CHEMISTRY Volume: 88 Issue: 3 Pages: 463-472, WOS
4. [1.1] Mason, M (Mason, Marco); Longo, E (Longo, Edoardo); Scampicchio, M (Scampicchio, Matteo): Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. In: JOURNAL OF NANOMATERIALS Article Number: 5217023, WOS
5. [1.1] Pisoschi, AM (Pisoschi, Aurelia Magdalena): Improvement of Alcohol Dehydrogenase and Horseradish Peroxidase Loadings in Ethanol Determination by a Bienzyme Sensor. In: LETTERS IN ORGANIC CHEMISTRY Volume: 10 Issue: 8 Pages: 611-616, WOS
6. [1.1] Shkotova, LV (Shkotova, Lyudmyla V.); Piechniakova, NY (Piechniakova, Nataliia Y.); Kukla, OL (Kukla, Oleksandr L.); Dzyadevych, SV (Dzyadevych, Sergei V.): Thin-film amperometric multibiosensor for simultaneous determination of lactate and glucose in wine. In: FOOD CHEMISTRY Volume: 197 Pages: 972-978, WOS
7. [1.1] Zhang, DZ (Zhang, Dongzhi); Liu, JJ (Liu, Jingjing); Chang, HY (Chang, Hongyan); Liu, AM (Liu, Aiming); Xia, BK (Xia, Bokai): Characterization of a hybrid composite of SnO2 nanocrystal-decorated reduced graphene oxide for ppm-level ethanol gas sensing application. In:

RSC ADVANCES Volume: 5 Issue: 24 Pages: 18666-18672, WOS
8. [1.1] Zhu, Z (Zhu, Zhen); Kao, CT (Kao, Cheng-Tse); Wu, RJ (Wu, Ren-Jang): A highly sensitive ethanol sensor based on Ag@TiO2 nanoparticles at room temperature. In: APPLIED SURFACE SCIENCE Volume: 320 Pages: 348-355, WOS
9. [1.2] Hlavač, P., Božikova, M., & Cviklovič, V. (2016). Dynamic viscosity and activation energy of wort during fermentation and storing. Acta Technologica Agriculturae, 19(1), 6-9., SCOPUS

ADCA482 MONOŠÍK, Rastislav - STREĎANSKÝ, Miroslav - LUŠPAI, Karol - MAGDOLEN, Peter - ŠTURDÍK, Ernest. Amperometric glucose biosensor utilizing FAD-dependent glucose dehydrogenase immobilized on nanocomposite electrode. In Enzyme and Microbial Technology, 2012, vol. 50, p. 227-232. ISSN 0141 0229.

Citácie:
1. [1.1] Arredondo, M (Arredondo, Michelle); Stoytcheva, M (Stoytcheva, Margarita); Zlatev, R (Zlatev, Roumen); Gochev, V (Gochev, Velizar): Some clinical applications of the electrochemical biosensors. In: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 12 Issue: 12 Pages: 1301-1313, WOS
2. [1.1] Bhakta, SA (Bhakta, Samir A.); Evans, E (Evans, Elizabeth); Benavidez, TE (Benavidez, Tomas E.); Garcia, CD (Garcia, Carlos D.): Protein adsorption onto nanomaterials for the development of biosensors and analytical devices: A review. In: ANALYTICA CHIMICA ACTA Volume: 872 Pages: 7-25, WOS
3. [1.1] Dilgin, DG (Dilgin, Didem Giray); Gokcel, HI (Gokcel, H. Ismet): Photoelectrochemical glucose biosensor in flow injection analysis system based on glucose dehydrogenase immobilized on poly-hematoxylin modified glassy carbon electrode. In: ANALYTICAL METHODS Volume: 7 Issue: 3 Pages: 990-999, WOS
4. [1.1] Gurpilhares, DB (Gurpilhares, Daniela B.); Pessoa, A (Pessoa, Adalberto); Roberto, IC (Roberto, Ines C.): Process Integration for the Disruption of Candida guilliermondii Cultivated in Rice Straw Hydrolysate and Recovery of Glucose-6-Phosphate Dehydrogenase by Aqueous Two-Phase Systems. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 176 Issue: 6 Pages: 1596-1612, WOS
5. [1.1] Khan, M (Khan, Mashooq); Park, SY (Park, Soo-Young): Liquid Crystal-Based Proton Sensitive Glucose Biosensor. In: ANALYTICAL CHEMISTRY Volume: 86 Issue: 3 Pages: 1493-1501, WOS
6. [1.1] Khan, M (Khan, Mashooq); Park, SY (Park, Soo-Young): Liquid crystal-based glucose biosensor functionalized with mixed PAA and QP4VP brushes. In: BIOSENSORS & BIOELECTRONICS Volume: 68 Pages: 404-412, WOS
7. [1.1] Kim, J (Kim, Jiyeon); Khan, M (Khan, Mashooq); Park, SY (Park, Soo-Young): Glucose Sensor using Liquid-Crystal Droplets Made by Microfluidics. In:ACS APPLIED MATERIALS & INTERFACES Volume: 5 Issue: 24 Pages: 13135-13139, WOS
8. [1.1] Lee, YJ (Lee, Yi Jae); Park, SJ (Park, Sung Jin); Yun, KS (Yun, Kwang-Seok); Kang, JY (Kang, Ji Yoon); Lee, SH (Lee, Soo Hyun): Enzymeless glucose sensor integrated with chronically implantable nerve cuff electrode for in-situ inflammation monitoring. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 222 Pages: 425-432, WOS
9. [1.1] Liang, B (Liang, Bo); Li, L (Li, Liang); Tang, XL (Tang, Xiangliang); Lang, QL (Lang, Qiaolin); Wang, HW (Wang, Hongwei); Li, F (Li, Feng); Shi, JG (Shi, Jianguo); Shen, W (Shen, Wei); Palchetti, I (Palchetti, Ilaria); Mascini, M (Mascini, Marco); Liu, AH (Liu, Aihua): Microbial surface display of glucose dehydrogenase for amperometric glucose biosensor. In: BIOSENSORS & BIOELECTRONICS Volume: 45 Pages: 19-24, WOS
10. [1.1] Martinkova, P (Martinkova, Pavla); Pohanka, M (Pohanka, Miroslav): BIOSENSORS FOR BLOOD GLUCOSE AND DIABETES DIAGNOSIS: EVOLUTION, CONSTRUCTION, AND CURRENT STATUS. In: ANALYTICAL LETTERS Volume: 48 Issue: 16 Pages: 2509-2532, WOS
11. [1.1] Mason, M (Mason, Marco); Longo, E (Longo, Edoardo); Scampicchio, M (Scampicchio, Matteo): Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. In: JOURNAL OF NANOMATERIALS Article Number: 5217023, WOS
12. [1.1] Quyen, TTB (Tran Thi Bich Quyen); Su, WN (Su, Wei-Nien); Chen, KJ (Chen, Kuan-Jung); Pan, CJ (Pan, Chun-Jern); Rick, J (Rick, John); Chang, CC (Chang, Chun-Chao); Hwang, BJ (Hwang, Bing-Joe): Au@SiO2 core/shell nanoparticle assemblage used for highly sensitive SERS-based determination of glucose and uric acid. In: JOURNAL OF RAMAN SPECTROSCOPY Volume: 44 Issue: 12 Pages: 1671-1677, WOS
13. [1.1] Riegel, AL (Riegel, Anna-Lena); Borzenkova, N (Borzenkova, Natalia); Haas, V (Haas, Verena); Scharfer, P (Scharfer, Philip); Schabel, W (Schabel, Wilhelm): Activity determination of FAD-dependent glucose dehydrogenase immobilized in PEDOT: PSS-PVA composite films for biosensor applications. In:ENGINEERING IN LIFE SCIENCES Volume: 16 Issue: 6 Pages: 577-585, WOS

14. [1.1] Roldo, M (Roldo, Marta); Fatouros, DG (Fatouros, Dimitrios G.): Biomedical applications of carbon nanotubes. In: ANNUAL REPORTS ON THE PROGRESS OF CHEMISTRY 2013, VOL 109, SECTION C: PHYSICAL CHEMISTRY Book Series Title: Annual Reports on the Progress of Chemistry Section C-Physical Chemistry Volume: 109 Pages: 10-35, WOS
15. [1.1] Shkotova, LV (Shkotova, Lyudmyla V.); Piechniakova, NY (Piechniakova, Nataliia Y.); Kukla, OL (Kukla, Oleksandr L.); Dzyadevych, SV (Dzyadevych, Sergei V.): Thin-film amperometric multibiosensor for simultaneous determination of lactate and glucose in wine. In: FOOD CHEMISTRY Volume: 197 Pages: 972-978, WOS
16. [1.1] Shu, HH (Shu, Honghui); Cao, LL (Cao, Leilei); Chang, G (Chang, Gang); He, HP (He, Hanping); Zhang, YT (Zhang, Yuting); He, YB (He, Yunbin): Direct Electrodeposition of Gold Nanostructures onto Glassy Carbon Electrodes for Non-enzymatic Detection of Glucose. In: ELECTROCHIMICA ACTA Volume: 132 Pages: 524-532, WOS
17. [1.1] Urbanova, V (Urbanova, Veronika); Kohring, GW (Kohring, Gert-Wieland); Klein, T (Klein, Tobias); Wang, ZJ (Wang, Zhijie); Mert, O (Mert, Olcay); Emrullahoglu, M (Emrullahoglu, Mustafa); Buran, K (Buran, Kerem); Demir, AS (Demir, Ayhan S.); Etienne, M (Etienne, Mathieu); Walcarius, A (Walcarius, Alain): Sol-gel Approaches for Elaboration of Polyol Dehydrogenase-Based Bioelectrodes. In: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS Volume: 227 Issue: 5 Pages: 667-689, WOS
18. [1.1] Yang, YF (Yang, Yufeng); Huang, L (Huang, Lei); Wang, JF (Wang, Jufang); Wang, XN (Wang, Xiaoning); Xu, ZN (Xu, Zhinan): Efficient Expression, Purification, and Characterization of a Novel FAD-Dependent Glucose Dehydrogenase from Aspergillus terreus in Pichia pastoris. In: JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY Volume: 24 Issue: 11 Pages: 1516-1524, WOS
19. [1.2] Fadhilah, R., Darusman, L. K., & Iswantini, D. (2015). Glucose biosensor using a glucose dehydrogenase flavin adenine dinucleotide electrochemically immobilized on natural zeolite nanoparticles. International Journal of Applied Chemistry, 11(4), 463-474, SCOPUS
20. [1.2] Monge, M., & Moreno-Arribas, M. V. (2016). Applications of nanotechnology in wine production and quality and safety control. In Wine safety, consumer preference, and human health (Springer, chapter 3, pp. 51-69), SCOPUS

ADCA483 MORRIS, G.A. - HROMÁDKOVÁ, Zdenka - EBRINGEROVÁ, Anna - MALOVÍKOVÁ, Anna - ALFOLDI, Juraj - HARDING, S.E. Modification of pectin with UV-absorbing substituents and its effect on the structural and hydrodynamic properties of the water-soluble derivatives. In Carbohydrate Polymers, 2002, vol. 48, p. 351-359. (1.203 - IF2001). (2002 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.2] Bhatia, S. (2016). In Natural polymer drug delivery systems: Nanoparticles, plants, and algae (Springer, pp. 1-225), SCOPUS

ADCA484 NABARLATZ, D. - EBRINGEROVÁ, Anna - MONTANÉ, D. Autohydrolysis of agricultural by-products for the production of xylo-oligosaccharides. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2007, vol. 69, p. 20-28. (1.784 - IF2006). ISSN 0144-8617.

Citácie:

1. [1.1] Bordiga, M (Bordiga, Matteo) Edited by: Bordiga, M (Bordiga, M): FUTURE PERSPECTIVES. In: VALORIZATION OF WINE MAKING BY-PRODUCTS Pages: 293-344, WOS
2. [1.1] Flores, AC (Flores, Adriana C.); Morlett, JA (Morlett, Jesus A.); Rodriguez, R (Rodriguez, Raul): Inulin Potential for Enzymatic Obtaining of Prebiotic Oligosaccharides. In: CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION Volume: 56 Issue: 11 Pages: 1893-1902, WOS
3. [1.1] Gallina, G (Gallina, Gianluca); Cabeza, A (Cabeza, Alvaro); Biasi, P (Biasi, Pierdomenico); Garcia-Serna, J (Garcia-Serna, Juan): Optimal conditions for hemicelluloses extraction from Eucalyptus globulus wood: hydrothermal treatment in a semi-continuous reactor. In: FUEL PROCESSING TECHNOLOGY Volume: 148 Pages: 350-360, WOS
4. [1.1] Huang, CX (Huang, Caoxing); Jeuck, B (Jeuck, Ben); Du, J (Du, Jing); Yong, Q (Yong, Qiang); Chang, HM (Chang, Hou-min); Jameel, H (Jameel, Hasan); Phillips, R (Phillips, Richard): Novel process for the coproduction of xylo-oligosaccharides, fermentable sugars, and lignosulfonates from hardwood. In: BIORESOURCE TECHNOLOGY Volume: 219 Pages: 600-607, WOS
5. [1.1] Johakimu, JK (Johakimu, Jonas K.); Jerome, A (Jerome, Andrew); Sithole, BB (Sithole, Bruce B.); Prabashni, L (Prabashni, Lekha): Fractionation of organic substances from the South African Eucalyptus grandis biomass by a combination of hot water and mild alkaline treatments. In: WOOD SCIENCE AND TECHNOLOGY Volume: 50 Issue: 2 Pages: 365-384, WOS

6. [1.1] Li, FB (Li, Fangbing); Wang, H (Wang, Hui); Xin, HX (Xin, Huaxia); Cai, JF (Cai, Jianfeng); Fu, Q (Fu, Qing); Jin, Y (Jin, Yu): Development, validation and application of a hydrophilic interaction liquid chromatography-evaporative light scattering detection based method for process control of hydrolysis of xylans obtained from different agricultural wastes. In: FOOD CHEMISTRY Volume: 212 Pages: 155-161, WOS
7. [1.1] Michelin, M (Michelin, Michele); Teixeira, JA (Teixeira, Jose Antonio): Liquid hot water pretreatment of multi feedstocks and enzymatic hydrolysis of solids obtained thereof. In: BIORESOURCE TECHNOLOGY Volume: 216 Pages: 862-869, WOS
8. [1.1] Nanssou, PAK (Nanssou, Paul Alain Kouteu); Nono, YJ (Nono, Yvette Jiokap); Kapseu, C (Kapseu, Cesar): Pretreatment of cassava stems and peelings by thermohydrolysis to enhance hydrolysis yield of cellulose in bioethanol production process. In: RENEWABLE ENERGY Volume: 97 Pages: 252-265, WOS
9. [1.1] Ren, JW (Ren, Jiwei); Liu, L (Liu, Lei); Xu, QQ (Xu, Qianqian); Li, X (Li, Xin); Yong, Q (Yong, Qiang); Ouyang, J (Ouyang, Jia): Comparative Evaluation of Magnesium Bisulfite Pretreatment under Different pH Values for Enzymatic Hydrolysis of Corn Stover. In: BIORESOURCES Volume: 11 Issue: 3 Pages: 7258-7270, WOS
10. [1.1] Wu, CJ (Wu, Chaojun): The Potential of Pre-Hydrolysis Liquor from the Dissolving Pulp Process as Recovery Source of Xylooligosaccharide - A Mini-Review. In: BIORESOURCES Volume: 11 Issue: 3 Pages: 7917-7927, WOS
11. [1.1] Yu, H (Yu, Heng); Ren, JW (Ren, Jiwei); Liu, L (Liu, Lei); Zheng, ZJ (Zheng, Zhaojuan); Zhu, JJ (Zhu, Junjun); Yong, Q (Yong, Qiang); Ouyang, J (Ouyang, Jia): A new magnesium bisulfite pretreatment (MBSP) development for bio-ethanol production from corn stover. In: BIORESOURCE TECHNOLOGY Volume: 199 Pages: 188-193, WOS
12. [1.1] Zhang, CY (Zhang, ChunYan); Su, XJ (Su, XiaoJun); Xiong, XY (Xiong, XingYao); Hu, QL (Hu, QiuLong); Amartey, S (Amartey, Samuel); Tan, XH (Tan, XingHe); Qin, WS (Qin, Wensheng): Co-60-gamma radiation-induced changes in the physical and chemical properties of rapeseed straw. In: BIOMASS & BIOENERGY Volume: 85 Pages: 207-214, WOS
13. [1.1] Zhang, H (Zhang, He); Brace, EC (Brace, Emma C.); Engelberth, AS (Engelberth, Abigail S.): Selection of a nonaqueous two-phase solvent system for fractionation of xylo-oligosaccharide prebiotics using a conductor-like screening model for real solvents. In: JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES Volume: 39 Issue: 14 Pages: 666-673, WOS
14. [1.1] Zhang, YD (Zhang, Yuedong); Yu, G (Yu, Guang); Li, B (Li, Bin); Mu, XD (Mu, Xindong); Peng, H (Peng, Hui); Wang, HS (Wang, Haisong): Hemicellulose isolation, characterization, and the production of xylo-oligosaccharides from the wastewater of a viscose fiber mill. In: CARBOHYDRATE POLYMERS Volume: 141 Pages: 238-243, WOS
15. [1.2] Carvalheiro, F., Duarte, L. C., Gírio, F., & Moniz, P. (2016). Hydrothermal/Liquid hot water pretreatment (autohydrolysis): A multipurpose process for biomass upgrading. In Biomass fractionation technologies for a lignocellulosic feedstock based biorefinery (Elsevier, chapter 14, pp. 315-347), SCOPUS
16. [1.2] Zhu, N., Shi, H., Cao, N., Xiong, X., Niu, M., & Ping, Q. (2016). Isolation of hemicelluloses from acacia wood with hydrothermal prehydrolysis and its characterization of structure and component. Huagong Xuebao/CIESC Journal, 67(6), 2605-2611, SCOPUS

ADCA485 NABARLATZ, D. - MONTANÉ, D. - KARDOŠOVÁ, Alžbeta - BEKEŠOVÁ, Slávka - HŘÍBALOVÁ, V. - EBRINGEROVÁ, Anna. Almond shell xylo-oligosaccharides exhibiting immunostimulatory activity. In Carbohydrate Research, 2007, vol. 342, p. 1122-1128. (1.703 - IF2006). (2007 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Sun, JD (Sun, Jiadong); Ma, H (Ma, Hang); Marais, JPJ (Marais, Jannie P. J.); Khoo, C (Khoo, Christina); Dain, JA (Dain, Joel A.); Rowley, DC (Rowley, David C.); Seeram, NP (Seeram, Navindra P.): Effect of cranberry (Vaccinium macrocarpon) oligosaccharides on the formation of advanced glycation end-products. In: JOURNAL OF BERRY RESEARCH Volume: 6 Issue: 2 Pages: 149-158, WOS
2. [1.2] Carvalheiro, F., Duarte, L. C., Gírio, F., & Moniz, P. (2016). Hydrothermal/Liquid hot water pretreatment (autohydrolysis): A multipurpose process for biomass upgrading. In Biomass fractionation technologies for a lignocellulosic feedstock based biorefinery (Elsevier, chapter 14, pp. 315-347), SCOPUS

ADCA486 NAGY, T. - NURIZZO, D. - DAVIES, G.J. - BIELY, Peter - LAKEY, J.H. - BOLAM, D.N. - GILBERT, H.J. The α-glucuronidase, GlCA67A, of Cellvibrio japonicus utilizes the carboxylate and methyl groups of aldobiouronic acid as important substrate recognition determinants. In Journal of Biological Chemistry, 2003, vol. 278, p. 20286-20292. (6.696 - IF2002). (2003 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Gardner, JG (Gardner, Jeffrey G.): Polysaccharide degradation systems of the saprophytic bacterium Cellvibrio japonicus. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 7 Article Number: 121, WOS

ADCA487 NAHÁLKA, Jozef - VIKARTOVSKÁ, Alica, Welwardová - HRABÁROVÁ, Eva. A crosslinked inclusion body process for sialic acid synthesis. In Journal of Biotechnology, 2008, vol. 134, p. 146-153. (2008 - Current Contents). ISSN 0168-1656.

Citácie:

1. [1.1] Aragon, CC (Aragon, Caio C.); Palomo, JM (Palomo, Jose M.); Filice, M (Filice, Marco); Mateo, C (Mateo, Cesar): Immobilization of Aldolase for C-C Bond Formation. In: CURRENT ORGANIC CHEMISTRY Volume: 20 Issue: 11 Pages: 1243-1251, WOS

2. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS

ADCA488 NAHÁLKA, Jozef - PÄTOPRSTÝ, Vladimír. Enzymatic synthesis of sialylation substrates powered by a novel polyphosphate kinase (PPK3). In Organic and Biomolecular Chemistry, 2009, vol. 7, p. 1778-1780. (3.550 - IF2008). ISSN 1477-0520.

Citácie:

1. [1.1] Batten, LE (Batten, Laura E.); Parnell, AE (Parnell, Alice E.); Wells, NJ (Wells, Neil J.); Murch, AL (Murch, Amber L.); Oyston, PCF (Oyston, Petra C. F.); Roach, PL (Roach, Peter L.): Biochemical and structural characterization of polyphosphate kinase 2 from the intracellular pathogen Francisella tularensis. In: BIOSCIENCE REPORTS Volume: 36 Article Number: e00294, WOS

2. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS

ADCA489 NAHÁLKA, Jozef - WU, B.Y. - SHAO, J. - GEMEINER, Peter - WANG, P.G. Production of cytidine 5'-monophospho-N-acetyl-β-D-neuraminic acid (CMP-sialic acid) using enzymes or whole cells entrapped in calcium pectate-silica-gel beads. In Biotechnology and Applied Biochemistry, 2004, vol. 40, p. 101-106. (1.034 - IF2003). ISSN 0885-4513.

Citácie:

1. [1.1] Zhou, JB (Zhou, Junbo); Chen, XZ (Chen, Xianzhong); Lu, LP (Lu, Liping); Govender, A (Govender, Algasan); Yang, HQ (Yang, Haiquan); Shen, W (Shen, Wei): Enhanced production of N-acetyl-D-neuraminic acid by whole-cell bio-catalysis of Escherichia coli. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 125 Pages: 42-48, WOS

ADCA490 NAHÁLKA, Jozef - NAHALKOVA, Jarmila - GEMEINER, Peter - BLANÁRIK, P. Elicitation and plumbagin release to the medium bz chitin in Drosophyllum lusitanicum Link. suspension culture. In Biotechnology Letters, 1998, vol. 20, p. 841-845. ISSN 0141-5492.

Citácie:

1. [1.1] Devi, SP (Devi, Soibam Purnima); Kumaria, S (Kumaria, Suman); Rao, SR (Rao, Satyawada Rama); Tandon, P (Tandon, Pramod): Carnivorous Plants as a Source of Potent Bioactive Compound: Naphthoquinones . In: TROPICAL PLANT BIOLOGY Volume: 9 Issue: 4 Pages: 267-279, WOS

2. [1.1] Widhalm, JR (Widhalm, Joshua R.); Rhodes, D (Rhodes, David): Biosynthesis and molecular actions of specialized 1,4-naphthoquinone natural products produced by horticultural plants. In: HORTICULTURE RESEARCH Volume: 3 Article Number: 16046, WOS

ADCA491 NAHÁLKA, Jozef - NIDETZKY, B. Fusion to a pull-down domain: A novel approach of producing Trigonopsis variabilis D-amino acid oxidase as insoluble enzyme aggregates. In Biotechnology and Bioengineering, 2007, vol. 97, p. 454-461. (2.999 - IF2006). (2007 - Current Contents). ISSN 0006-3592.

Citácie:

1. [1.1] Arakawa, T (Arakawa, Tsutomu); Yamaguchi, R (Yamaguchi, Rui); Tokunaga, H (Tokunaga, Hiroko); Tokunaga, M (Tokunaga, Masao): Unique Features of Halophilic Proteins. In: CURRENT PROTEIN & PEPTIDE SCIENCE Volume: 18 Issue: 1 Pages: 65-71, WOS

2. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS

3. [1.1] Diener, M (Diener, Martin); Kopka, B (Kopka, Benita); Pohl, M (Pohl, Martina); Jaeger, KE (Jaeger, Karl-Erich); Krauss, U (Krauss, Ulrich): Fusion of a Coiled-Coil Domain Facilitates the High-Level Production of Catalytically Active Enzyme Inclusion Bodies. In: CHEMCATCHEM Volume: 8 Issue: 1 Pages: 142-152, WOS

ADCA492 NAHÁLKA, Jozef. Physiological aggregation of maltodextrin phosphorylase from Pyrococcus furiosus and its application in a process of batch starch degradation to alfa-D-glucose-1-phosphate. In Journal of Industrial Microbiology and Biotechnology : official journal of the Society for Industrial

Microbiology, 2008, vol. 35, pp. 219-223. ISSN 1367-5435 (print).
Citácie:
1. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS
2. [1.1] Zhou, W (Zhou, Wei); You, C (You, Chun); Ma, HW (Ma, Hongwu); Ma, YH (Ma, Yanhe); Zhang, YHP (Zhang, Y. -H. Percival): One-Pot Biosynthesis of High-Concentration alpha-Glucose 1-Phosphate from Starch by Sequential Addition of Three Hyperthermophilic Enzymes. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 8 Pages: 1777-1783, WOS

ADCA493 NAHÁLKA, Jozef - BLANÁRIK, P. - GEMEINER, Peter - MATÚŠOVÁ, E. - PARTLOVÁ, I. Production of plumbagin by cell suspension cultures of Drosophyllum lusitanicum Link. In Journal of Biotechnology, 1996, vol. 49, p. 153-161. ISSN 0168-1656.
Citácie:
1. [1.2] Panichayupakaranant, P., & Ahmad, M. I. (2016). Plumbagin and its role in chronic diseases. Advances in Experimental Medicine and Biology, 929, 229-246, SCOPUS

ADCA494 NAHÁLKA, Jozef - HRABÁROVÁ, Eva - PALENČÁROVÁ, Klaudia, Talafová. Protein–RNA and protein–glycan recognitions in light of amino acid codes. In Biochimica et Biophysica Acta : general subjects, 2015, vol. 1850, p. 1942-1952. (4.381 - IF2014). (2015 - Current Contents). ISSN 0304-4165.
Citácie:
1. [1.1] Wilson, KA (Wilson, Katie A.); Holland, DJ (Holland, Devany J.); Wetmore, SD (Wetmore, Stacey D.): Topology of RNA-protein nucleobase-amino acid pi-pi interactions and comparison to analogous DNA-protein pi-pi contacts: RNA Volume: 22 Issue: 5 Pages: 696-708, WOS

ADCA495 NAHÁLKA, Jozef - DIB, I. - NIDETZKY, B. Encapsulation of Trigonopsis variabilis D-amino acid oxidase and fast comparison of the operational stabilities of free and immobilized preparations of the enzyme. In Biotechnology and Bioengineering, 2008, vol. 99, p. 251-260. (3.037 - IF2007). ISSN 0006-3592.
Citácie:
1. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS
2. [1.1] Mahou, R (Mahou, Redouan); Passemard, S (Passemard, Solene); Carvello, M (Carvello, Michele); Petrelli, A (Petrelli, Alessandra); Noverraz, F (Noverraz, Francois); Gerber-Lemaire, S (Gerber-Lemaire, Sandrine); Wandrey, C (Wandrey, Christine): Contribution of polymeric materials to progress in xenotransplantation of microencapsulated cells: a review. In: XENOTRANSPLANTATION Volume: 23 Issue: 3 Pages: 179-201, WOS

ADCA496 NAHÁLKA, Jozef - MISLOVIČOVÁ, Danica - KAVCOVÁ, Helena. Targeting lectin activity into inclusion bodies for the characterisation of glycoproteins. In Molecular Biosystems, 2009, vol. 5, iss. 8, p. 819-821. ISSN 1742-206X.
Citácie:
1. [1.1] Ruan, LT (Ruan, Li-Tao); Zheng, RC (Zheng, Ren-Chao); Zheng, YG (Zheng, Yu-Guo): A novel amidase from Brevibacterium epidermidis ZJB-07021: gene cloning, refolding and application in butyrylhydroxamic acid synthesis. In: JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY Volume: 43 Issue: 8 Pages: 1071-1083, WOS

ADCA497 NAHÁLKA, Jozef. Protein-RNA recognition: Cracking the code. In Journal of Theoretical Biology, 2014, vol. 343, p. 9-15. (2.303 - IF2013). (2014 - Current Contents). ISSN 0022-5193.
Citácie:
1. [1.1] Basu, S (Basu, Sushmita); Bahadur, RP (Bahadur, Ranjit Prasad): A structural perspective of RNA recognition by intrinsically disordered proteins. In: CELLULAR AND MOLECULAR LIFE SCIENCES Volume: 73 Issue: 21 Pages: 4075-4084, WOS
2. [1.1] Vorberg, E (Vorberg, Ellen); Fleischer, H (Fleischer, Heidi); Junginger, S (Junginger, Steffen); Liu, H (Liu, Hui); Stoll, N (Stoll, Norbert); Thurow, K (Thurow, Kerstin): A Highly Flexible, Automated System Providing Reliable Sample Preparation in Element- and Structure-Specific Measurements. In: JALA Volume: 21 Issue: 5 Pages: 682-692, WOS

ADCA498 NARAN, R. - EBRINGEROVÁ, Anna - HROMÁDKOVÁ, Zdenka - PÄTOPRSTÝ, Vladimír. Carbohydrate polymers from underground parts of Cistanche deserticola. In Phytochemistry, 1995, vol. 40., p. 709-715. ISSN 0031-9422.
Citácie:
1. [1.1] Karzhaubekova, Zh. Zh.; Gemejiyeva, N. G.. In: THE ELEMENT, AMINO- AND FATTY ACIDS COMPOSITION OF CISTANCHE SALSA (OROBANCHACEAE) FROM KAZAKHSTAN. In: Rastitel'nye Resursy Volume: 52 Issue: 3 Pages: 424-433, WOS

ADCA499 NAVRATIL, M. - DÖMÉNY, Z. - ŠTURDÍK, E. - ŠMOGROVIČOVÁ, D. - GEMEINER, Peter. Production of non-alcoholic beer using free and immobilized cells of Saccharomyces cerevisiae deficient in the tricarboxylic acid cycle. In Biotechnology and Applied Biochemistry, 2002, vol. 35, p. 133–140. ISSN 0885-4513.

Citácie:

1. [1.1] Puerari, C (Puerari, Claudia); Strejc, J (Strejc, Jan); Souza, AC (Souza, Angelica C.); Karabin, M (Karabin, Marcel); Schwan, RF (Schwan, Rosane F.); Branyik, T (Branyik, Tomas): Optimization of alcohol-free beer production by lager and cachaca yeast strains using response surface methodology. In: JOURNAL OF THE INSTITUTE OF BREWING Volume: 122 Issue: 1 Pages: 69-75, WOS

ADCA500 NAVRÁTIL, M. - ŠTURDÍK, E. - GEMEINER, Peter. Batch and continuous mead production with pectate immobilized, ethanol-tolerant yeasts. In Biotechnology Letters, 2001, vol. 23, p. 978-982. (2001 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] Martinez, AM (Martinez, Andres M.); Vivas, GJ (Vivas, Giordan J.); Quicazan, MC (Quicazan, Marta C.): Evaluation of Alcoholic Fermentation During the Production of Mead Using Immobilized Cells in Kappa-Carrageenan. In: 5TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL BIOTECHNOLOGY (IBIC 2016) Book Series Title: Chemical Engineering Transactions Volume: 49 Pages: 19-24, WOS

2. [1.1] Pereira, A. P., Oliveira, J. M., Mendes-Ferreira, A., Estevinho, L. M., & Mendes-Faia, A. (2016). Mead and other fermented beverages. In Current developments in biotechnology and bioengineering: Food and beverages industry (Elsevier, chapter 17, pp. 407-434), WOS

3. [1.1] Vidrih, R (Vidrih, Rajko); Hribar, J (Hribar, Janez): Mead: The Oldest Alcoholic Beverage. In: TRADITIONAL FOODS: GENERAL AND CONSUMER ASPECTS Book Series Title: ISEKI-Food Pages: 325-338, WOS

4. [3.1] Cavaco, T (Cavaco Teresa); Figueira, CA (Figueira Cristina Ana). (2016). Functional properties of honey and some traditional honey products from Portugal. In Kristberg Kristbergsson, Semih Ötles (eds.). Functional Properties of Traditional Foods, Book series: Integrating Food Science and Engineering Knowledge Into the Food, Vol. 12 (Springer Science, chapter 24, pp. 339-352)

ADCA501 NEMCOVÁ, Kornélia - BREIEROVÁ, Emília - VADKERTIOVÁ, Renáta - MOLNÁROVÁ, Jana. The diversity of yeasts associated with grapes and musts of the Strekov winegrowing region, Slovakia. In Folia Microbiologica, 2015, vol. 60, p. 103-109. (1.000 - IF2014). (2015 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Drumonde-Neves, J (Drumonde-Neves, Joao); Franco-Duarte, R (Franco-Duarte, Ricardo); Lima, T (Lima, Teresa); Schuller, D (Schuller, Dorit); Pais, C (Pais, Celia): Yeast Biodiversity in Vineyard Environments Is Increased by Human Intervention. In: PLOS ONE Volume: 11 Issue: 8 Article Number: e0160579, WOS

2. [1.1] Sipiczki, M (Sipiczki, Matthias): Overwintering of Vineyard Yeasts: Survival of Interacting Yeast Communities in Grapes Mummified on Vines. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 212, WOS

ADCA502 NEMČOVIČ, Marek - JAKUBÍKOVÁ, Lucia - VÍDEN, I. - FARKAŠ, Vladimír. Induction of conidiation by endogenous volatile compounds in Trichoderma spp. In FEMS Microbiology Letters, 2008, vol. 284, p. 231-236. (2.274 - IF2007). (2008 - Current Contents). ISSN 0378-1097.

Citácie:

1. [1.1] Cale, JA (Cale, Jonathan A.); Collignon, RM (Collignon, R. Maxwell); Klutsch, JG (Klutsch, Jennifer G.); Kanekar, SS (Kanekar, Sanat S.); Hussain, A (Hussain, Altaf); Erbilgin, N (Erbilgin, Nadir): Fungal Volatiles Can Act as Carbon Sources and Semiochemicals to Mediate Interspecific Interactions Among Bark Beetle-Associated Fungal Symbionts. In: PLOS ONE Volume: 11 Issue: 9 Article Number: e0162197, WOS

2. [1.1] Contreras-Cornejo, HA (Angel Contreras-Cornejo, Hexon); Macias-Rodriguez, L (Macias-Rodriguez, Lourdes); del-Val, E (del-Val, Ek); Larsen, J (Larsen, John): Ecological functions of Trichoderma spp. and their secondary metabolites in the rhizosphere: interactions with plants. In: FEMS MICROBIOLOGY ECOLOGY Volume: 92 Issue: 4 Article Number: fiw036, WOS

3. [1.1] Li, NX (Li, Ningxiao); Alfiky, A (Alfiky, Alsayed); Vaughan, MM (Vaughan, Martha M.); Kang, S (Kang, Seogchan): Stop and smell the fungi: Fungal volatile metabolites are overlooked signals involved in fungal interaction with plants. In: FUNGAL BIOLOGY REVIEWS Volume: 30 Issue: 3 Pages: 134-144, WOS

4. [1.1] Ugalde, U (Ugalde, Unai); Rodriguez-Urra, AB (Belen Rodriguez-Urra, Ana): Autoregulatory Signals in Mycelial Fungi. In: GROWTH, DIFFERENTIATION AND SEXUALITY, 3RD EDITION Book Series Title: Mycota-A Comprehensive Treatise on Fungi as Experimental

Systems for Basic and Applied Research Volume: 1 Pages: 185-202, WOS
5. [1.1] Zeilinger, S (Zeilinger, Susanne); Gruber, S (Gruber, Sabine); Bansal, R (Bansal, Rauindra); Mukherjee, PK (Mukherjee, Prasun K.): Secondary metabolism in Trichoderma - Chemistry meets genomics. In: FUNGAL BIOLOGY REVIEWS Volume: 30 Issue: 2 Pages: 74-90, WOS
6. [1.2] Patil, A. S., Patil, S. R., & Paikrao, H. M. (2016). Trichoderma secondary metabolites: Their biochemistry and possible role in disease management. In Microbial-mediated induced systemic resistance in plants (Springer, chapter 6, pp. 103-124), SCOPUS
7. [1.2] Saad, A. M. (2016). Determination of secondary metabolites products by trichoderma horzianum and evaluate antimicobial activity. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(3), 105-122, SCOPUS

ADCA503 NEMČOVIČ, Marek - FARKAŠ, Vladimír. Cell-wall composition and polysaccharide synthase activity changes following photoinduction in Trichoderma viride. In Acta biologica Hungarica, 2001, vol. 52, p. 281-288. ISSN 0236-5383.

Citácie:

1. [1.1] Stappler, E (Stappler, Eva); Rodriguez-Iglesias, A (Rodriguez-Iglesias, Aroa); Bazafkan, H (Bazafkan, Hoda); Li, GF (Li, Guofen); Schmoll, M (Schmoll, Monika): Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 309-334, WOS

ADCA504 NEMČOVIČOVÁ, Ivana - ŠESTÁK, Sergej - RENDIČ, Dubravko - PLŠKOVÁ, Margita - MUCHA, Ján - WILSON, Iain B.H. Characterisation of class I and II α-mannosidases from Drosophila melanogaster. In Glycoconjugate Journal, 2013, vol. 30, p. 899-909. (1.882 - IF2012). (2013 - Current Contents). ISSN 0282-0080.

Citácie:

1. [1.1] Liu, FF (Liu, Fang F.); Kulinich, A (Kulinich, Anna); Du, YM (Du, Ya M.); Liu, L (Liu, Li); Voglmeir, J (Voglmeir, Josef): Sequential processing of mannose-containing glycans by two alpha-mannosidases from Solitalea canadensis. In: GLYCOCONJUGATE JOURNAL Volume: 33 Issue: 2 Pages: 159-168, WOS
2. [1.1] Walski, T (Walski, Tomasz); Van Damme, EJM (Van Damme, Els J. M.); Smargiasso, N (Smargiasso, Nicolas); Christiaens, O (Christiaens, Olivier); De Pauw, E (De Pauw, Edwin); Smagghe, G (Smagghe, Guy): Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle Tribolium castaneum. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 35151, WOS
3. [1.1] Wedd, L (Wedd, Laura); Kucharski, R (Kucharski, Robert); Maleszka, R (Maleszka, Ryszard): Differentially methylated obligatory epialleles modulate context-dependent LAM gene expression in the honeybee Apis mellifera. In: EPIGENETICS Volume: 11 Issue: 1 Pages: 1-10, WOS

ADCA505 NILSSON, K.G.I. - SAKAGUCHI, K. - GEMEINER, Peter - MOSBACH, K. Molecular imprinting of acetylated carbohydrate derivatives into methacrylic polymers. In Journal of Chromatography A : international Journal on Chromatography, Electrophoresis and Related Methods, 1995, vol. 707, p. 199-203. (1995 - Current Contents). ISSN 0021-9673.

Citácie:

1. [1.1] Dmitrienko, EV (Dmitrienko, Elena V.); Pyshnaya, IA (Pyshnaya, Inna A.); Martyanov, ON (Martyanov, Oleg N.); Pyshnyi, DV (Pyshnyi, Dmitrii V.): Molecularly imprinted polymers for biomedical and biotechnological applications. In: RUSSIAN CHEMICAL REVIEWS Volume: 85 Issue: 5 Pages: 513-536, WOS

ADCA506 NOSÁĽOVÁ, G. - ŠUTOVSKÁ, M. - MOKRÝ, J. - KARDOŠOVÁ, Alžbeta - CAPEK, Peter - KHAN, M.T.H. Efficacy of herbal substances according to cough reflex. In Minerva Biotecnologica, 2005, vol. 17, p. 141-152.

Citácie:

1. [1.1] Ayrle, H (Ayrle, Hannah); Mevissen, M (Mevissen, Meike); Kaske, M (Kaske, Martin); Nathues, H (Nathues, Heiko); Gruetzner, N (Gruetzner, Niels); Melzig, M (Melzig, Matthias); Walkenhorst, M (Walkenhorst, Michael): Medicinal plants - prophylactic and therapeutic options for gastrointestinal and respiratory diseases in calves and piglets? A systematic review. In: BMC VETERINARY RESEARCH Volume: 12 Article Number: 89, WOS

ADCA507 NOSÁĽOVÁ, G. - PRISENŽŇÁKOVÁ, L. - PAULOVIČOVÁ, Ema - CAPEK, Peter - MATULOVÁ, Mária. Antitussive and immunomodulating activities of instant coffee arabinogalactan-protein. In International Journal of Biological Macromolecules, 2011, vol. 49, p. 493-497. (2.502 - IF2010). (2011 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Okamoto, Y (Okamoto, Yoshihiro); Hara, T (Hara, Takazumi); Itayama, A (Itayama, Asuka); Koike, K (Koike, Konomi): Coffee suppresses the differentiation of Th17 cells by

inhibiting interleukin-6-induced phosphorylation of signal transducer and activator of transcription 3. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 7 Pages: 1141-1148, WOS
2. [1.2] Kwak, B. S., & Shin, K. S. (2016). Chemical characteristics and immunostimulating activity of crude polysaccharide isolated from commercial instant coffee. Korean Journal of Food Science and Technology, 48(3), 289-295, SCOPUS

ADCA508 NOSÁĽOVÁ, Gabriela - CAPEK, Peter - MATÁKOVÁ, Tatiana - NOSÁĽ, Slavomír - FLEŠKOVÁ, Dana - JUREČEK, Ľudovít. Antitussive activity of an extracellular Rhodella grisea proteoglycan on the mechaniccaly induced cough reflex. In Carbohydrate Polymers, 2012, vol. 87, p. 752-756. (3.628 - IF2011). (2012 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Delattre, C (Delattre, Cedric); Pierre, G (Pierre, Guillaume); Laroche, C (Laroche, Celine); Michaud, P (Michaud, Philippe): Production, extraction and characterization of microalgal and cyanobacterial exopolysaccharides. In: BIOTECHNOLOGY ADVANCES Volume: 34 Issue: 7 Pages: 1159-1179, WOS
2. [1.1] Soanen, N (Soanen, Nastasia); Da Silva, E (Da Silva, Elise); Gardarin, C (Gardarin, Christine); Michaud, P (Michaud, Philippe); Laroche, C (Laroche, Celine): Improvement of exopolysaccharide production by Porphyridium marinum. In: BIORESOURCE TECHNOLOGY Volume: 213 Pages: 231-238, WOS

ADCA509 NOUAILLE, R. - MATULOVÁ, Mária - DELORT, A.-M. - FORANO, E. Oligosaccharide synthesis in Fibrobacter succinogenes S85 and its modulation by the substrate. In FEBS Journal, 2005, vol. 272, p. 2416-2427. (2005 - Current Contents). ISSN 1742-464X.

Citácie:
1. [1.1] Bornemann, S (Bornemann, Stephen): alpha-Glucan biosynthesis and the GlgE pathway in Mycobacterium tuberculosis. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 68-73, WOS
2. [1.1] San Vito, E (San Vito, Elias); Messana, JD (Messana, Juliana D.); Castagnino, PS (Castagnino, Pablo S.); Granja-Salcedo, YT (Granja-Salcedo, Yury T.); Dallantonia, EE (Dallantonia, Erick E.); Berchielli, TT (Berchielli, Telma T.): Effect of crude glycerine in supplement on the intake, rumen fermentation, and microbial profile of Nellore steers grazing tropical grass. In: LIVESTOCK SCIENCE Volume: 192 Pages: 17-24, WOS

ADCA510 NOUAILLE, R. - MATULOVÁ, Mária - DELORT, A.M. - FORANO, E. Production of maltodextrin 1-phosphate by Fibrobacter succinogenes S. In FEBS Letters, 2004, vol. 576, p. 226-230. (3.609 - IF2003). ISSN 0014-5793.

Citácie:
1. [1.1] Bornemann, S (Bornemann, Stephen): alpha-Glucan biosynthesis and the GlgE pathway in Mycobacterium tuberculosis. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 68-73, WOS

ADCA511 NURISSO, A. - KOZMON, Stanislav - IMBERTY, A. Comparison of dockingmethods for carbohydrate binding in calcium-depebdent lectins and prediction of the carbohydrate binding mode to sea cucumber lectin CEL-III. In Molecular Simulation, 2008, vol. 34, p. 469-479. ISSN 0892-7022.

Citácie:
1. [1.1] Samsonov, SA (Samsonov, Sergey A.); Pisabarro, MT (Pisabarro, M. Teresa): Computational analysis of interactions in structurally available protein-glycosaminoglycan complexes. In: GLYCOBIOLOGY Volume: 26 Issue: 8 Pages: 850-861, WOS

ADCA512 ODONMAZIG, P. - BADGA, D. - EBRINGEROVÁ, Anna - ALFOLDI, Juraj - MIHÁLOV, Vincent. An acidic D-xylan from the Siberian apricot (Armenica siberica L.) fruit. In Carbohydrate Research, 1990, vol. 198, p. 163-167. (1990 - Current Contents, SCOPUS). ISSN 0008-6215.

Citácie:
1. [1.1] Leivas, CL (Leivas, Carolina Lopes); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Pectic type II arabinogalactans from starfruit (Averrhoa carambola L.). In: FOOD CHEMISTRY Volume: 199 Pages: 252-257, WOS

ADCA513 ODONMAZING, R. - EBRINGEROVÁ, Anna - MACHOVÁ, Eva - ALFOLDI, Juraj. Structural and molecular properties of the arabinogalactan isolated from Mongolian larchwood (Larix dahurica L.). In Carbohydrate Research, 1994, vol. 252, p. 317. ISSN 0008-6215.

Citácie:
1. [1.1] Dion, C (Dion, Carine); Chappuis, E (Chappuis, Eric); Ripoll, C (Ripoll, Christophe): Does larch arabinogalactan enhance immune function? A review of mechanistic and clinical trials. In: NUTRITION & METABOLISM Volume: 13 Article Number: 28, WOS
2. [1.1] Hromadkova, Z (Hromadkova, Zdenka); Kostalova, Z (Kostalova, Zuzana); Ondrejovic, M (Ondrejovic, Miroslav); Chmelova, D (Chmelova, Daniela): ISOLATION, COMPOSITION AND SRUCTURE OF POLYSACHARIDES FROM LARIXDECIDUA. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016

Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 142-147, WOS
3. [1.1] Leivas, CL (Leivas, Carolina Lopes); Iacomini, M (Iacomini, Marcello); Cordeiro, LMC (Cordeiro, Lucimara M. C.): Pectic type II arabinogalactans from starfruit (Averrhoa carambola L.). In: FOOD CHEMISTRY Volume: 199 Pages: 252-257, WOS
4. [1.2] Stevanovic, T. (2016). Chemical composition and properties of wood. In Lignocellulosic fibers and wood handbook: Renewable materials for today's environment (John Wiley & Sons, chapter 3, pp. 49-106), SCOPUS

ADCA514 OMELKOVÁ, Jiřina - SLÁVIKOVÁ, Elena - VADKERTIOVÁ, Renáta. Inhibiting effect of β-escine on the growth of yeasts and yeast microorganism. In Biologia, 1990, vol. 45, p. 925-929. (1990 - Current Contents, WOS). ISSN 0006-3088.

Citácie:
1. [1.1] Franiczek, R (Franiczek, Roman); Glensk, M (Glensk, Michal); Krzyzanowska, B (Krzyzanowska, Barbara); Wlodarczyk, M (Wlodarczyk, Maciej): beta-Aescin at subinhibitory concentration (sub-MIC) enhances susceptibility of Candida glabrata clinical isolates to nystatin. In: MEDICAL MYCOLOGY Volume: 53 Issue: 8 Pages: 845-851, WOS

ADCA515 OSIČKA, Jozef - ILČÍKOVÁ, Markéta - POPELKA, Anton - FILIP, Jaroslav - BERTÓK, Tomáš - TKÁČ, Ján - KASÁK, Peter. Simple, reversible and fast modulation in superwettability, gradient and adsorption by counterion exchange on self-assembled monolayer. In Langmuir, 2016, vol. 32, p. 5491-5499. (3.993 - IF2015). (2016 - Current Contents). ISSN 0743-7463.

Citácie:
1. [1.2] SI, Y.- YANG, F.- GUO, Z. Hybrid MWCNTs membrane with well-tunable wettability. (2016) Journal of Colloid and Interface Science, 484, p. 173-182.DOI: 10.1016/j.jcis.2016.08.084, Scopus

ADCA516 PALEČEK, Emil - TKÁČ, Ján - BARTOŠÍK, Martin - BERTÓK, Tomáš - OSTATNÁ, Veronika - PALEČEK, Jan. Electrochemistry of non-conjugated proteins and glycoproteins. Towards sensors for biomedicine and glycomics. In Chemical Reviews, 2015, vol. 115, p. 2045-2108. (46.568 - IF2014). (2015 - Current Contents). ISSN 0009-2665.

Citácie:
1. [1.1] Afsharan, H (Afsharan, Hadi); Hasanzadeh, M (Hasanzadeh, Mohammad); Shadjou, N (Shadjou, Nasrin); Jouyban, A (Jouyban, Abolghasem): Interaction of some cardiovascular drugs with bovine serum albumin at physiological conditions using glassy carbon electrode: A new approach. In: MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 65 Pages: 97-108, WOS
2. [1.1] Akhtar, N (Akhtar, Naeem); El-Safty, SA (El-Safty, Sherif A.); Abdelsalam, ME (Abdelsalam, Mamdouh E.); Shenashen, MA (Shenashen, Mohamed A.); Kawarada, H (Kawarada, Hiroshi): Radially oriented nanostrand electrodes to boost glucose sensing in mammalian blood. In: BIOSENSORS & BIOELECTRONICS Volume: 77 Pages: 656-665, WOS
3. [1.1] Akiba, U (Akiba, Uichi); Anzai, J (Anzai, Jun-ichi): Recent Progress in Electrochemical Biosensors for Glycoproteins. In: SENSORS Volume: 16 Issue: 12 Article Number: 2045, WOS
4. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS
5. [1.1] Bouvier, B (Bouvier, Benjamin): Optimizing the Multivalent Binding of the Bacterial Lectin LecA by Glycopeptide Dendrimers for Therapeutic Purposes. In: JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 56 Issue: 6 Special Issue: SI Pages: 1193-1204, WOS
6. [1.1] Chen, GS (Chen, Guosheng); Qiu, JL (Qiu, Junlang); Xu, JQ (Xu, Jianqiao); Fang, XA (Fang, Xu'an); Liu, Y (Liu, Yan); Liu, SQ (Liu, Shuqin); Wei, SB (Wei, Songbo); Jiang, RF (Jiang, Ruifen); Luan, TG (Luan, Tiangang); Zeng, F (Zeng, Feng); Zhu, F (Zhu, Fang); Ouyang, GF (Ouyang, Gangfeng): A novel probe based on phenylboronic acid functionalized carbon nanotubes for ultrasensitive carbohydrate determination in biofluids and semi-solid biotissues. In: CHEMICAL SCIENCE Volume: 7 Issue: 2 Pages: 1487-1495, WOS
7. [1.1] Danhel, A (Danhel, Ales); Josypcuk, B (Josypcuk, Bohdan); Barek, J (Barek, Jiri); Fojta, M (Fojta, Miroslav): Possibilities and Prospects of Silver Amalgam in Electroanalytical Chemistry. In: CHEMICKE LISTY Volume: 110 Issue: 3 Pages: 215-221, WOS
8. [1.1] Dorcak, V (Dorcak, V.); Kabelac, M (Kabelac, M.); Kroutil, O (Kroutil, O.); Bednarova, K (Bednarova, K.); Vacek, J (Vacek, J.): Electrocatalytic monitoring of peptidic proton-wires. In: ANALYST Volume: 141 Issue: 15 Pages: 4554-4557, WOS
9. [1.1] Fojt, L (Fojt, Lukas); Fojta, M (Fojta, Miroslav); Holub, J (Holub, Josef); Gruner, B (Gruner, Bohumir); Vespalec, R (Vespalec, Radim): Electrochemistry of different boranes,

carbaboranes and their exo-skeletal hydroxy derivatives at the graphite carbon electrode in aqueous phosphate buffers. In: ELECTROCHIMICA ACTA Volume: 205 Pages: 8-14, WOS
10. [1.1] Hayakawa, M (Hayakawa, Mana); Sato, S (Sato, Shinobu); Diala, I (Diala, Irmina); Kodama, M (Kodama, Masaaki); Tomoeda-Mori, K (Tomoeda-Mori, Kumiko); Haraguchi, K (Haraguchi, Kazuya); Tominaga, K (Tominaga, Kazuhiro); Takenaka, S (Takenaka, Shigeori): Screening for Oral Cancer Using Electrochemical Telomerase Assay. In: ELECTROANALYSIS Volume: 28 Issue: 3 Pages: 503-507, WOS
11. [1.1] He, XP (He, Xiao-Peng); Zeng, YL (Zeng, Ya-Li); Zang, Y (Zang, Yi); Li, J (Li, Jia); Field, RA (Field, Robert A.); Chen, GR (Chen, Guo-Rong): Carbohydrate CuAAC click chemistry for therapy and diagnosis. In: CARBOHYDRATE RESEARCH Volume: 429 Pages: 1-22, WOS
12. [1.1] Hossain, MS (Hossain, Md. Sazzad); Iqbal, A (Iqbal, Asif); Bevan, KH (Bevan, Kirk H.): Interfacial Screening in Ultrafast Voltammetry: A Theoretical Study of Redox-Active Monolayers. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 18 Pages: 9062-9070, WOS
13. [1.1] Issaad, FZ (Issaad, Fatima Z.); Tome, LIN (Tome, Luciana I. N.); Marques, NV (Marques, Nuno V.); Mouats, C (Mouats, Chabane); Diculescu, VC (Diculescu, Victor C.); Oliveira-Brett, AM (Oliveira-Brett, Ana Maria): Bevacizumab anticancer monoclonal antibody: native and denatured redox behaviour. In: ELECTROCHIMICA ACTA Volume: 206 Pages: 246-253, WOS
14. [1.1] Kurbanoglu, S (Kurbanoglu, Sevinc); Dogan-Topal, B (Dogan-Topal, Burcu); Rodriguez, EP (Plata Rodriguez, Eva); Bozal-Palabiyik, B (Bozal-Palabiyik, Burcin); Ozkan, SA (Ozkan, Sibel A.); Uslu, B (Uslu, Bengi): Advances in electrochemical DNA biosensors and their interaction mechanism with pharmaceuticals. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 775 Pages: 8-26, WOS
15. [1.1] Liaw, DJ (Liaw, Der-Jang); Yagudaeva, E (Yagudaeva, Elena); Prostyakova, A (Prostyakova, Anna); Lazov, M (Lazov, Michael); Zybin, D (Zybin, Dmitry); Ischenko, A (Ischenko, Anatoly); Zubov, V (Zubov, Vitaly); Chang, CH (Chang, Cheng-Hung); Huang, YC (Huang, Ying-Chi); Kapustin, D (Kapustin, Dmitry): Sorption behavior of polyaramides in relation to isolation of nucleic acids and proteins. In: COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 145 Pages: 912-921, WOS
16. [1.1] Patel, S (Patel, Suprava); Nanda, R (Nanda, Rachita); Sahoo, S (Sahoo, Sibasish); Mohapatra, E (Mohapatra, Eli): Biosensors in Health Care: The Milestones Achieved in Their Development towards Lab-on-Chip-Analysis. In: BIOCHEMISTRY RESEARCH INTERNATIONAL Article Number: 3130469, WOS
17. [1.1] Qiu, ZL (Qiu, Zhenli); Tang, DY (Tang, Dianyong); Shu, J (Shu, Jian); Chen, GN (Chen, Guonan); Tang, DP (Tang, Dianping): Enzyme-triggered formation of enzyme-tyramine concatamers on nanogold-functionalized dendrimer for impedimetric detection of Hg(II) with sensitivity enhancement. In: : BIOSENSORS & BIOELECTRONICS Volume: 75 Pages: 108-115, WOS
18. [1.1] Singleton, DG (Singleton, Daniel G.); Hussain, R (Hussain, Rohanah); Siligardi, G (Siligardi, Giuliano); Kumar, P (Kumar, Pawan); Hrdlicka, PJ (Hrdlicka, Patrick J.); Berova, N (Berova, Nina); Stulz, E (Stulz, Eugen): Increased duplex stabilization in porphyrin-LNA zipper arrays with structure dependent exciton coupling. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 1 Pages: 149-157, WOS
19. [1.1] Sonuc, MN (Sonuc, Munteha N.); Sezginturk, MK (Sezginturk, Mustafa K.): A Disposable, Highly Sensitive Biosensing System: Determination of Haptoglobin as a Significant Acute Phase Biomarker. In: CURRENT ANALYTICAL CHEMISTRY Volume: 12 Issue: 1 Pages: 43-53, WOS
20. [1.1] Sun, MY (Sun, Mingyue); Chen, YJ (Chen, Yajie); Tian, GH (Tian, Guohui); Wu, AP (Wu, Aiping); Yan, HJ (Yan, Haijing); Fu, HG (Fu, Honggang): Stable mesoporous ZnFe2O4 as an efficient electrocatalyst for hydrogen evolution reaction. In: ELECTROCHIMICA ACTA Volume: 190 Pages: 186-192, WOS
21. [1.1] Svrckova, M (Svrckova, Marika); Zatloukalova, M (Zatloukalova, Martina); Novak, D (Novak, David); Ulrichova, J (Ulrichova, Jitka); Vacek, J (Vacek, Jan): Electrocatalytic Monitoring of Methylgyoxal-Mediated Protein Glycation: Pilot Results with Solubilized Na+/K+ ATPase Transmembrane Protein. In: XXXVI MODERNI ELEKTROCHEMICKE METODY Pages: 224-227, WOS
22. [1.1] Tiwari, JN (Tiwari, Jitendra N.); Vij, V (Vij, Varun); Kemp, KC (Kemp, K. Christian); Kim, KS (Kim, Kwang S.): Engineered Carbon-Nanomaterial-Based Electrochemical Sensors for Biomolecules. In: ACS NANO Volume: 10 Issue: 1 Pages: 46-80, WOS
23. [1.1] Vacek, J (Vacek, Jan); Zatloukalova, M (Zatloukalova, Martina); Geleticova, J (Geleticova, Jaroslava); Kubala, M (Kubala, Martin); Modriansky, M (Modriansky, Martin); Fekete, L (Fekete, Ladislav); Masek, J (Masek, Josef); Hubatka, F (Hubatka, Frantisek); Turanek, J (Turanek, Jaroslav): Electrochemical Platform for the Detection of Transmembrane Proteins

Reconstituted into Liposomes. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 8 Pages: 4548-4556, WOS
24. [1.1] Wahiba, M (Wahiba, Mokhtari); Feng, XQ (Feng, Xue-Qing); Zang, Y (Zang, Yi); James, TD (James, Tony D.); Li, J (Li, Jia); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng): A supramolecular pyrenyl glycoside-coated 2D MoS2 composite electrode for selective cell capture. In: CHEMICAL COMMUNICATIONS Volume: 52 Issue: 78 Pages: 11689-11692, WOS
25. [1.1] Xie, DH (Xie, Donghao); Feng, XQ (Feng, Xue-Qing); Hu, XL (Hu, Xi-Le); Liu, L (Liu, Lin); Ye, ZH (Ye, Zhihong); Cao, J (Cao, Jun); Chen, GR (Chen, Guo-Rong); He, XP (He, Xiao-Peng); Long, YT (Long, Yi-Tao): Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrosensor. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 38 Pages: 25137-25141, WOS
26. [1.1] Yang, ZH (Yang, Zhe-Han); Zhuo, Y (Zhuo, Ying); Yuan, R (Yuan, Ruo); Chai, YQ (Chai, Ya-Qin): A nanohybrid of platinum nanoparticles-porous ZnO-hemin with electrocatalytic activity to construct an amplified immunosensor for detection of influenza. In: BIOSENSORS & BIOELECTRONICS Volume: 78 Pages: 321-327, WOS
27. [1.1] Zafarani, HR (Zafarani, Hamid Reza); Mathwig, K (Mathwig, Klaus); Lemay, SG (Lemay, Serge G.); Sudholter, EJR (Sudholter, Ernst J. R.); Rassaei, L (Rassaei, Liza): Modulating Selectivity in Nanogap Sensors. In: ACS SENSORS Volume: 1 Issue: 12 Pages: 1439-1444, WOS

ADCA517 PAPPAS, C.S. - MALOVÍKOVÁ, Anna - HROMÁDKOVÁ, Zdenka - TARANTILIS, P.A. - EBRINGEROVÁ, Anna - POLISSIOU, M.G. Determination of the degree of esterification of pectinates with decyl and benzyl ester groups by diffuse reflectance infrared Fourier transform spectroscopy (DRIFTS) and curve-fitting deconvolution method. In Carbohydrate Polymers, 2004, vol. 56, s. 465-469. (1.597 - IF2003). (2004 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Chen, HM (Chen, Hai-ming); Fu, X (Fu, Xiong); Luo, ZG (Luo, Zhi-gang): Effect of molecular structure on emulsifying properties of sugar beet pulp pectin. In: FOOD HYDROCOLLOIDS Volume: 54 Pages: 99-106, WOS
2. [1.1] Kumar, G. Praveen; Suneetha, V.: Characterization of Pectin lyase and Polygalacturonase from Novel Bacillus cereus GS-2 isolated from Chittoor and Vellore Fruit Industrial Dump Sites by SEM, 16SrRNA Sequencing, Ion-exchange, SDS and HPLC Analysis. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 1 Pages: 741-749, WOS
3. [1.1] Majji, G (Majji, Ganesh); Rout, SK (Rout, Saroj K.); Rajamanickam, S (Rajamanickam, Suresh); Guin, S (Guin, Srimanta); Patel, BK (Patel, Bhisma K.): Synthesis of esters via sp(3) C-H functionalisation. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 35 Pages: 8178-8211, WOS
4. [1.1] Nourry, G (Nourry, Guillaume); Belosinschi, D (Belosinschi, Dan); Boutin, MP (Boutin, Manon P.); Brouillette, F (Brouillette, Francios); Zerrouki, R (Zerrouki, Rachida): Hydrophobization of phosphorylated cellulosic fibers. In: CELLULOSE Volume: 23 Issue: 6 Pages: 3511-3520, WOS
5. [1.1] Suganya, KSU (Suganya, K. S. Uma); Govindaraju, K (Govindaraju, K.); Kumar, VG (Kumar, V. Ganesh); Karthick, V (Karthick, V.); Parthasarathy, K (Parthasarathy, Krupakar): Pectin mediated gold nanoparticles induces apoptosis in mammary adenocarcinoma cell lines. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 1030-1040, WOS
6. [1.1] Wang, WJ (Wang, Wenjun); Ma, XB (Ma, Xiaobin); Jiang, P (Jiang, Peng); Hu, LL (Hu, Lyulin); Zhi, ZJ (Zhi, Zijian); Chen, JL (Chen, Jianle); Ding, T (Ding, Tian); Ye, XQ (Ye, Xingqian); Liu, DH (Liu, Donghong): Characterization of pectin from grapefruit peel: A comparison of ultrasound-assisted and conventional heating extractions. In: FOOD HYDROCOLLOIDS Volume: 61 Pages: 730-739, WOS
7. [1.1] Zhao, WL (Zhao, Wenlin); Xie, W (Xie, Wei); Du, SL (Du, Shenglan); Yan, SL (Yan, Shoulei); Li, J (Li, Jie); Wang, QZ (Wang, Qingzhang): Changes in physicochemical properties related to the texture of lotus rhizomes subjected to heat blanching and calcium immersion. In: FOOD CHEMISTRY Volume: 211 Pages: 409-414, WOS

ADCA518 PASTÝR, Ján - KUNIAK, Ľudovít. Preparation and properties of the sulfoethylcellulose on exchanger based on crosslinked microcrystalline cellulose. In Cellulose Chemistry and Technology, 1971, vol. 5, p. 17-22. ISSN 0576-9787.

Citácie:
1. [1.1] Harnisch, H (Harnisch, Henrik); Huhner, J (Huehner, Jens); Neususs, C (Neususs, Christian); Koschella, A (Koschella, Andreas); Heinze, T (Heinze, Thomas); Scriba, GKE (Scriba, Gerhard K. E.): Development and validation of a capillary electrophoresis method for the characterization of sulfoethyl cellulose. In: JOURNAL OF SEPARATION SCIENCE Volume: 39 Issue: 23 Pages: 4645-4652, WOS

ADCA519 PATEL, T.R. - HARDING, S.E. - EBRINGEROVÁ, Anna - DESZCZYNSKI, M. - HROMÁDKOVÁ, Zdenka - TOGOLA, A. - PAULSEN, B.S. - MORRIS, G.A. - ROWE, A.J. Weak self-association in carbohydrate system. In Biophysical Journal, 2007, vol. 93, p. 741-749. (2007 - Current Contents). ISSN 0006-3495.

Citácie:

1. [1.1] Witt, H (Witt, Hannes); Savic, F (Savic, Filip); Oelkers, M (Oelkers, Marieelen); Awan, SI (Awan, Shahid I.); Werz, DB (Werz, Daniel B.); Geil, B (Geil, Burkhard); Janshoff, A (Janshoff, Andreas): Size, Kinetics, and Free Energy of Clusters Formed by Ultraweak Carbohydrate-Carbohydrate Bonds. In: BIOPHYSICAL JOURNAL Volume: 110 Issue: 7 Pages: 1582-1592, WOS

2. [1.2] Besong, T. M. D., & Rowe, A. J. (2016). Acquisition and analysis of data from high concentration solutions. In Analytical ultracentrifugation: Instrumentation, software, and applications (Springer, chapter 25, pp. 499-520), SCOPUS

ADCA520 PATEL, Trushar R. - MORRIS, Gordon A. - EBRINGEROVÁ, Anna - VODENIČAROVÁ, Melita - VELEBNÝ, Vladimír - ORTEGA, Alvaro - DE LA TORRE, Jose Garsia - HARDING, Stephen E. Global conformation analysis of irradiated xyloglucans. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2008, vol. 74, s. 845-851. ISSN 0144-8617.

Citácie:

1. [1.1] Guo, R (Guo, Rui); Cao, NN (Cao, Nannan); Wu, Y (Wu, Yan); Wu, JH (Wu, Jinhong): Optimized extraction and molecular characterization of polysaccharides from Sophora alopecuroides L. seeds. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 231-242, WOS

2. [1.1] Todaro, S (Todaro, Simona); Sabatino, MA (Sabatino, Maria Antonietta); Ajovalasit, A (Ajovalasit, Alessia); Ditta, LA (Ditta, Lorena A.); Castiglia, D (Castiglia, Debora); Wach, RA (Wach, Radoslaw A.); Ulanski, P (Ulanski, Piotr); Bulone, D (Bulone, Donatella); Dispenza, C (Dispenza, Clelia): Radiation Engineering of Xyloglucan Hydrogels. In: 5TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL BIOTECHNOLOGY (IBIC 2016) Book Series Title: Chemical Engineering Transactions Volume: 49 Pages: 289-294, WOS

3. [1.1] Todaro, S (Todaro, Simona); Sabatino, MA (Sabatino, Maria Antonietta); Mangione, MR (Mangione, Maria Rosalia); Picone, P (Picone, Pasquale); Di Giacinto, ML (Di Giacinto, Maria Laura); Bulone, D (Bulone, Donatella); Dispenza, C (Dispenza, Celia): Temporal control of xyloglucan self-assembly into layered structures by radiation-induced degradation. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 382-390, WOS

4. [1.1] Xu, XQ (Xu, Xiaoqi); Xue, CH (Xue, Changhu); Chang, YG (Chang, Yaoguang); Chen, F (Chen, Feng); Wang, J (Wang, Jun): Conformational and physicochemical properties of fucosylated chondroitin sulfate from sea cucumber Apostichopus japonicus. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 26-32, WOS

5. [1.1] Xu, XQ (Xu, Xiaoqi); Xue, CH (Xue, Changhu); Chang, YG (Chang, Yaoguang); Wang, J (Wang, Jun); Jiang, KH (Jiang, Kunhao): Chain conformational and physicochemical properties of fucoidans from sea cucumber. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 433-440, WOS

ADCA521 PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema - KARELIN, Alexander A. - TSVETKOV, Yury E. - NIFANTIEV, Nikolay E. - BYSTRICKÝ, Slavomír. Humoral and cell-mediated immunity following vaccination with synthetic Candida cell wall mannan derived heptamannoside-protein conjugate immunomodulatory properties of heptamannoside-BSA conjugate. In International Immunopharmacology, 2012, vol. 14, p. 179-187. (2.376 - IF2011). (2012 - Current Contents). ISSN 1567-5769.

Citácie:

1. [1.1] Huang, ML (Huang, Mia L.); Fisher, CJ (Fisher, Christopher J.); Godula, K (Godula, Kamil): Glycomaterials for probing host-pathogen interactions and the immune response. In: EXPERIMENTAL BIOLOGY AND MEDICINE Volume: 241 Issue: 10 Pages: 1042-1053, WOS

2. [1.2] Sánchez-Navarro, M., & Davis, B. G. (2015). Sugar-protein hybrids for biomedical applications. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 19, pp. 509-534), SCOPUS

ADCA522 PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema - BYSTRICKÝ, Slavomír. Immunological basis of anti-Candida vaccines focused on synthetically prepared cell wall mannan-derived manno-oligomers. In Microbiology and immunology, 2014, vol. 58, p. 545-551 (1.306-IF2013. ISSN 1348-0421.

Citácie:

1. [1.1] Nimrichter, L (Nimrichter, Leonardo); de Souza, MM (de Souza, Marcio M.); Del Poeta, M (Del Poeta, Maurizio); Nosanchuk, JD (Nosanchuk, Joshua D.); Joffe, L (Joffe, Luna); Tavares, PD (Tavares, Patricia de M.); Rodrigues, ML (Rodrigues, Marcio L.): Extracellular Vesicle-

Associated Transitory Cell Wall Components and Their Impact on the Interaction of Fungi with Host Cells. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1034, WOS

ADCA523 PAULOVIČOVÁ, Lucia - ŘEZÁČ, Jan - HOBZA, Pavel. Convergence of the interaction energies in noncovalent complexes in the coupled-cluster methods up to full configuration interaction. In Journal of Chemical Theory and Computation, 2013, vol. 9, p. 3420-3428. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Citácie:

1. [1.1] Artiukhin, DG (Artiukhin, Denis G.); Bieske, EJ (Bieske, Evan J.); Buchachenko, AA (Buchachenko, Alexei A.): Ab Initio Characterization of the Electrostatic Complexes Formed by H-2 Molecule and Cr+, Mn+, Cu+, and Zn+ Cations. In: JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 27 Pages: 5006-5015, WOS

2. [1.1] Dubecky, M (Dubecky, Matus); Mitas, L (Mitas, Lubos); Jurecka, P (Jurecka, Petr): CHEMICAL REVIEWS Volume: 116 Issue: 9 Special Issue: SI Pages: 5188-5215, WOS

3. [1.1] Trouillas, P (Trouillas, Patrick); Sancho-Garcia, JC (Sancho-Garcia, Juan C.); De Freitas, V (De Freitas, Victor); Gierschner, J (Gierschner, Johannes); Otyepka, M (Otyepka, Michal); Dangles, O (Dangles, Olivier): Stabilizing and Modulating Color by Copigmentation: Insights from Review Theory and Experiment. In: CHEMICAL REVIEWS Volume: 116 Issue: 9 Special Issue: SI Pages: 4937-4982, WOS

4. [1.1] Van Dornshuld, E (Van Dornshuld, Eric); Tschumper, GS (Tschumper, Gregory S.): Big Changes for Small Noncovalent Dimers: Revisiting the Potential Energy Surfaces of (P-2)(2) and (PCCP)(2) with CCSD(T) Optimizations and Vibrational Frequencies. In: JOURNAL OF CHEMICAL THEORY AND COMPUTATION Volume: 12 Issue: 4 Pages: 1534-1541, WOS

5. [1.1] Yilmazer, ND (Yilmazer, Nusret Duygu); Korth, M (Korth, Martin): Recent Progress in Treating Protein-Ligand Interactions with Quantum-Mechanical Methods. In: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 17 Issue: 5 Article Number: 742, WOS

ADCA524 PAVLIAKOVÁ, Dana - CHU, C.Y. - BYSTRICKÝ, Slavomír - TOLSON, N.W. - SHILOACH, J. - KAUFMAN, J.B. - BRYLA, D.A. - ROBBINS, J.B. - SCHNEERSON, R. Treatment with succinic anhydride improves the immunogenicity of Shigella flexneri type 2a O-specific polysaccharide-protein conjugates in mice. In Infection and Immunity, 1999, vol. 67, p. 5526-5529. (4.034 - IF1998). (1999 - Current Contents). ISSN 0019-9567.

Citácie:

1. [1.2] Liu, A. P., Ren, Z. Y., Liu, J., Wang, X. R., Wang, X., Li, A. N., Li, Y. T., Hu, H., Wu, B., Xie, G. L. (2016). Preparation and immunogenicity comparison of two conjugates of serotype 14 pneumococcal polysaccharides. Chinese Journal of New Drugs, 25(23), 2714-2719, SCOPUS

ADCA525 PAVLIAK, V. - BRISSON, J.R. - MICHON, F. - UHRÍN, Dušan - JENNINGS, H.J. Structure of the sialylated L3 lipopolysaccharide of Neisseria meningitidis. In Journal of Biological Chemistry, 1993, vol. 268, p. 14146-14152. (6.733 - IF1992). (1993 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Ram, S (Ram, Sanjay); Shaughnessy, J (Shaughnessy, Jutamas); DeOliveira, RB (DeOliveira, Rosane B.); Lewis, LA (Lewis, Lisa A.); Gulati, S (Gulati, Sunita); Rice, PA (Rice, Peter A.): Utilizing complement evasion strategies to design complement-based antibacterial immunotherapeutics: Lessons from the pathogenic Neisseriae. In: IMMUNOBIOLOGY Volume: 221 Issue: 10 Special Issue: SI Pages: 1110-1123, WOS

2. [1.1] Wakarchuk, W. (2016). Bacterial glycosyltransferases involved in molecular mimicry of mammalian glycans. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, Volume 2, chapter 9, pp. 349-398), SCOPUS

3. [1.1] Zariri, A (Zariri, Afshin); Pupo, E (Pupo, Elder); van Riet, E (van Riet, Elly); van Putten, JPM (van Putten, Jos P. M.); van der Ley, P (van der Ley, Peter): Modulating endotoxin activity by combinatorial bioengineering of meningococcal lipopolysaccharide. In. SCIENTIFIC REPORTS Volume: 6 Article Number: 36575, WOS

4. [1.2] Øvstebø, R., Hellerud, B. C., Coureuil, M., Nassif, X., & Brandtzaeg, P. (2016). Pathogenesis of invasive disease. In Handbook of meningococcal disease management (Springer, chapter 3, pp. 25-43), SCOPUS

ADCA526 PAWLACZYK, Izabela - LEWIK-TSIRIGOTIS, Marta - CAPEK, Peter - MATULOVÁ, Mária - SASINKOVÁ, Vlasta - DABROWSKI, Pawel - WITKIEWICZ, Wojciech - GANCARZ, Roman. Effects of extraction condition on structural features and anticoagulant activity of F. vesca L. conjugates. In Carbohydrate Polymers, 2013, vol. 92, p. 741-750. (3.479 - IF2012). (2013 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Dias, MI (Dias, Maria Ines); Barros, L (Barros, Lillian); Morales, P (Morales, Patricia); Camara, M (Camara, Montana); Alves, MJ (Alves, Maria Jose); Oliveira, MBPP (Oliveira, M. Beatriz P. P.); Santos-Buelga, C (Santos-Buelga, Celestino); Ferreira, ICFR (Ferreira, Isabel C. F. R.): Wild Fragaria vesca L. fruits: a rich source of bioactive phytochemicals. In: FOOD &

FUNCTION Volume: 7 Issue: 11 Pages: 4523-4532, WOS
2. [1.1] Pour, MA (Pour, Mandi Aalikhani); Sardari, S (Sardari, Soroush); Eslamifar, A (Eslamifar, Ali); Rezvani, M (Rezvani, Mohammad); Azhar, A (Azhar, Abid); Nazari, M (Nazari, Milad): Evaluating the anticoagulant effect of medicinal plants in vitro by cheminformatics methods. In: JOURNAL OF HERBAL MEDICINE Volume: 6 Issue: 3 Pages: 128-136, WOS
3. [1.1] Sirisidthi, Kanjana; Kosai, Piya; Jiraungkoorskul, Kanitta; Jiraungkoorskul, Wannee: Antithrombotic activity of turmeric (Curcuma longa): A review. In: Indian Journal of Agricultural Research Volume: 50 Issue: 2 Pages: 101-106, WOS

ADCA527 PAWLACZYK, Izabela - CAPEK, Peter - CZERCHAWSKI, Leszek - BIJAK, Joanna - LEWIK-TSIRIGOTIS, Marta - PLISZCZAK-KRÓL, Aleksandra - GANCARZ, Roman. An anticoagulant effect and chemical characterization of Lythrum salicaria L. glycoconjugates. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2011, vol. 86, p. 277-284. (3.463 - IF2010). (2011 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Pour, MA (Pour, Mandi Aalikhani); Sardari, S (Sardari, Soroush); Eslamifar, A (Eslamifar, Ali); Rezvani, M (Rezvani, Mohammad); Azhar, A (Azhar, Abid); Nazari, M (Nazari, Milad): Evaluating the anticoagulant effect of medicinal plants in vitro by cheminformatics methods. In: JOURNAL OF HERBAL MEDICINE Volume: 6 Issue: 3 Pages: 128-136, WOS

ADCA528 PECIAROVÁ, Alena - BIELY, Peter. β-Xylosidases and nonspecific wall-bound β-glucosidase of the yeast Cryptococcus albidus. In Biochimica et Biophysica Acta, 1982, vol. 716, p. 391-399.

Citácie:

1. [1.1] Mhetras, N (Mhetras, Nutan); Liddell, S (Liddell, Susan); Gokhale, D (Gokhale, Digambar): Purification and characterization of an extracellular beta-xylosidase from Pseudozyma hubeiensis NCIM 3574 (PhXyl), an unexplored yeast. In: AMB EXPRESS Volume: 6 Article Number: 73, WOS
2. [1.1] Mukherjee, S (Mukherjee, Soumya); Khowala, S (Khowala, Suman): Unraveling the secretome of Termitomyces clypeatus grown on agroresidues as a potential source for bioethanol production. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 11 Pages: 1793-1807, WOS

ADCA529 PEDERSEN, H.L. - FANGEL, J.U. - MCCLEARY, B. - RUZANSKI, C. - GRO RYDAHI, M. - RALET, M.C. - FARKAŠ, Vladimír - VON SCHANTZ, L. - MARCOS, S.E. - ANDERSEN, M.C.F. - FIELD, R. - OHLIN, M. - KNOX, J.P. - CLAUSEN, M.H. - WILLATS, W.G.T. Versatile high-resolution oligosaccharide microarrays for plant glycobiology and cell wall research. In The Journal of Biological Chemistry, 2012, vol.287, p.39429-39438. ISSN 0021-9258.

Citácie:

1. [1.1] Grundy, MML (Grundy, Myriam M-L); Edwards, CH (Edwards, Cathrina H.); Mackie, AR (Mackie, Alan R.); Gidley, MJ (Gidley, Michael J.); Butterworth, PJ (Butterworth, Peter J.); Ellis, PR (Ellis, Peter R.): Re-evaluation of the mechanisms of dietary fibre and implications for macronutrient bioaccessibility, digestion and postprandial metabolism. In: BRITISH JOURNAL OF NUTRITION Volume: 116 Issue: 5 Pages: 816-833, WOS
2. [1.1] Sechet, J (Sechet, Julien); Frey, A (Frey, Anne); Effroy-Cuzzi, D (Effroy-Cuzzi, Delphine); Berger, A (Berger, Adeline); Perreau, F (Perreau, Francois); Cueff, G (Cueff, Gwendal); Charif, D (Charif, Delphine); Rajjou, L (Rajjou, Loic); Mouille, G (Mouille, Gregory); North, HM (North, Helen M.); Marion-Poll, A (Marion-Poll, Annie): Xyloglucan Metabolism Differentially Impacts the Cell Wall Characteristics of the Endosperm and Embryo during Arabidopsis Seed Germination. In: PLANT PHYSIOLOGY Volume: 170 Issue: 3 Pages: 1367-1380, WOS
3. [1.1] Yang, WB (Yang, Weibing); Schuster, C (Schuster, Christoph); Beahan, CT (Beahan, Cherie T.); Charoensawan, V (Charoensawan, Varodom); Peaucelle, A (Peaucelle, Alexis); Bacic, A (Bacic, Antony); Doblin, MS (Doblin, Monika S.); Wightman, R (Wightman, Raymond); Meyerowitz, EM (Meyerowitz, Elliot M.): Regulation of Meristem Morphogenesis by Cell Wall Synthases in Arabidopsis. In: CURRENT BIOLOGY Volume: 26 Issue: 11 Pages: 1404-1415, WOS
4. [1.1] Zhang, HT (Zhang, Hongtao); Palma, AS (Palma, Angelina S.); Zhang, YB (Zhang, Yibing); Childs, RA (Childs, Robert A.); Liu, Y (Liu, Yan); Mitchell, DA (Mitchell, Daniel A.); Guidolin, LS (Guidolin, Leticia S.); Weigel, W (Weigel, Wilfried); Mulloy, B (Mulloy, Barbara); Ciocchini, AE (Ciocchini, Andres E.); Feizi, T (Feizi, Ten); Chai, WG (Chai, Wengang): Generation and characterization of beta 1,2-gluco-oligosaccharide probes from Brucella abortus cyclic beta-glucan and their recognition by C-type lectins of the immune system. In: GLYCOBIOLOGY Volume: 26 Issue: 10 Pages: 1086-1096, WOS
5. [1.2] Wu, C. Y., & Chang, S. H. (2015). Discoveries and applications of glycan arrays. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 15, pp. 407-424), SCOPUS

ADCA530 PERIASAMY, Agalya - SHADIAC, Nadim - AMALRAJ, Amritha - GARAJOVÁ, Soňa - NAGARAJAN, Yagnesh - WATERS, Shane - MERTENS, Haydyn D.T. - HRMOVÁ, Mária. Cell-

free protein synthesis of membrane (1,3)-beta-D-glucan (curdlan) synthase: Co-translational insertion in liposomes and reconstitution in nanodiscs. In Biochimica et Biophysica Acta : Biomembranes, 2013, vol. 1828, p. 743-757. (3.389 - IF2012). (2013 - Current Contents). ISSN 0005-2736.

Citácie:

1. [1.1] Arenas, RC (Arenas, Rodrigo Cuevas); Klingler, J (Klingler, Johannes); Vargas, C (Vargas, Carolyn); Keller, S (Keller, Sandro): Influence of lipid bilayer properties on nanodisc formation mediated by styrene/maleic acid copolymers. In: NANOSCALE Volume: 8 Issue: 32 Pages: 15016-15026, WOS

2. [1.1] Denisov, IG (Denisov, Ilia G.); Sligar, SG (Sligar, Stephen G.): Nanodiscs for structural and functional studies of membrane proteins. In: NATURE STRUCTURAL & MOLECULAR BIOLOGY Volume: 23 Issue: 6 Pages: 481-486, WOS

3. [1.1] Pandey, A (Pandey, Aditya); Shin, K (Shin, Kyungsoo); Patterson, RE (Patterson, Robin E.); Liu, XQ (Liu, Xiang-Qin); Rainey, JK (Rainey, Jan K.): Current strategies for protein production and purification enabling membrane protein structural biology. In: BIOCHEMISTRY AND CELL BIOLOGY Volume: 94 Issue: 6 Special Issue: SI Pages: 507-527, WOS

4. [1.1] Soranzo, T (Soranzo, Thomas); Cortes, S (Cortes, Sandra); Gilde, F (Gilde, Flora); Kreir, M (Kreir, Mohamed); Picart, C (Picart, Catherine); Lenormand, JL (Lenormand, Jean-Luc): Functional characterization of p7 viroporin from hepatitis C virus produced in a cell-free expression system. In: PROTEIN EXPRESSION AND PURIFICATION Volume: 118 Pages: 83-91, WOS

5. [1.1] Yadav, DK (Yadav, Dinesh K.); Yadav, N (Yadav, Neelam); Yadav, S (Yadav, Sarika); Haque, S (Haque, Shafiul); Tuteja, N (Tuteja, Narendra): An insight into fusion technology aiding efficient recombinant protein production for functional proteomics. In: ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS Volume: 612 Pages: 57-77, WOS

6. [1.2] Li, Y., Li, Q., Li, Y., Gao, J., & Fan, X. (2016). Draft genome sequence of paenibacillus polymyxa KF-1, an excellent producer of microbicides. Genome Announcements, 4(4), SCOPUS

ADCA531 PERI, F. - MARINZI, C. - BARÁTH, Marek - GRANUCCI, F. - URBANO, M. - NICOTRA, F. Synthesis and biological evaluation of novel lipid A antagonists. In Bioorganic & Medicinal Chemistry, 2006, vol. 14, p. 190-199. (2.286 - IF2005). (2006 - Current Contents). ISSN 0968-0896.

Citácie:

1. [1.1] Chen, N (Chen, N.); Xie, J (Xie, J.): N-O linkage in carbohydrates and glycoconjugates. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 47 Pages: 11028-11047, WOS

ADCA532 PERI, F. - JIMÉNEZ-BARBERO, J. - GARCIA-APARICIO, V. - TVAROŠKA, Igor - NICOTRA, F. Synthesis and conformational analysis of novel N(OCH3)-linked disaccharide analogues. In Chemistry - A European Journal, 2004, vol. 10, p. 1433-1444.

Citácie:

1. [1.1] Chen, N (Chen, N.); Xie, J (Xie, J.): N-O linkage in carbohydrates and glycoconjugates. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 47 Pages: 11028-11047, WOS

2. [1.1] Jimenez-Castells, C (Jimenez-Castells, Carmen); Stanton, R (Stanton, Rhiannon); Yan, S (Yan, Shi); Kosma, P (Kosma, Paul); Wilson, IBH (Wilson, Iain B. H.): Development of a multifunctional aminoxy-based fluorescent linker for glycan immobilization and analysis. In. GLYCOBIOLOGY Volume: 26 Issue: 12 Pages: 1297-1307, WOS

3. [1.1] Langenhan, JM (Langenhan, Joseph M.); McLaughlin, RP (McLaughlin, Ryan P.); Loskot, SA (Loskot, Steven A.); Rozal, LM (Rozal, Leonardo M.); Clay, MS (Clay, Mackenzie S.); Alaimo, PJ (Alaimo, Peter J.): Using density functional theory to calculate the anomeric effect in hydroxylamine and hydrazide derivatives of tetrahydropyran. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 2 Pages: 106-117, WOS

ADCA533 PETRUŠ, Ladislav - PETRUŠOVÁ, Mária - PHAM-HUU, D.P. - LATTOVÁ, Erika - PRIBULOVÁ, Božena - TURJAN, Jozef. Conversions of nitroalkyl to carbonyl groups in carbohydrates. In Monatshefte für Chemie, 2002, vol. 133, p. 383-392. ISSN 0026-9247.

Citácie:

1. [1.1] Cerisoli, L (Cerisoli, Lucia); Lombardo, M (Lombardo, Marco); Trombini, C (Trombini, Claudio); Quintavalla, A (Quintavalla, Arianna): The First Enantioselective Organocatalytic Synthesis of 3-Spiro-alpha-Alkylidene-gamma-Butyrolactone Oxindoles. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 11 Special Issue: SI Pages: 3865-3872, WOS

ADCA534 PETRUŠ, Ladislav - GRAY, D.G. - BEMILLER, J.N. Homogeneous alkylation of cellulose in lithium chloride-dimethyl sulfoxide solvent with dimsyl sodium activation - a proposal for the mechanism of cellulose dissolution in LiCl/Me2SO. In Carbohydrate Research, 1995, vol. 268, p. 319-323. (1995 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Cao, TY (Cao, Tingyue); Jiang, B (Jiang, Bo); Gu, F (Gu, Feng); Wu, WJ (Wu, Wenjuan);

Jin, YC (Jin, Yongcan): Characterization of Lignin Isolated from Wheat Leaf Based on LiCl/DMSO Dissolution and Regeneration: BIORESOURCES Volume: 11 Issue: 4 Pages: 9676-9685, WOS
2. [1.1] Recalde, P (Perez Recalde, Mercedes); Canelon, DJ (Canelon, Dilsia J.); Compagnone, RS (Compagnone, Reinaldo S.); Matulewicz, MC (Matulewicz, Maria C.); Cerezo, AS (Cerezo, Alberto S.); Ciancia, M (Ciancia, Marina): Carrageenan and agaran structures from the red seaweed Gymnogongrus tenuis. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 1370-1378, WOS
3. [1.1] Shen, XP (Shen, Xiaoping); Shamshina, JL (Shamshina, Julia L.); Berton, P (Berton, Paula); Gurau, G (Gurau, Gabriela); Rogers, RD (Rogers, Robin D.): Hydrogels based on cellulose and chitin: fabrication, properties, and applications. In: GREEN CHEMISTRY Volume: 18 Issue: 1 Pages: 53-7, WOS

ADCA535 PETRUŠOVÁ, Mária - BEMILLER, J.N. - KRIHOVÁ, A. - PETRUŠ, Ladislav. Synthesis of 2-(β-D-glycopyranosyl)nitroethenes and nitroethanes via aldehydo derivatives. In Carbohydrate Research, 1996, vol.346, p. 57-67. (1.506 - IF1995). ISSN 0008-6215.

Citácie:
1. [1.1] Guisot, NES (Guisot, Nicolas E. S.); Obame, IE (Obame, Idriss Ella); Ireddy, P (Ireddy, Prathap); Nourry, A (Nourry, Arnaud); Saluzzo, C (Saluzzo, Christine); Dujardin, G (Dujardin, Gilles); Dubreuil, D (Dubreuil, Didier); Pipelier, M (Pipelier, Muriel); Guillarme, S (Guillarme, Stephane): Reaction of Glyconitriles with Organometallic Reagents: Access to Acyl beta-C-Glycosides. In: JOURNAL OF ORGANIC CHEMISTRY Volume: 81 Issue: 6 Pages: 2364-2371, WOS

ADCA536 PHAM-HUU, D.P. - GIZAW, Y. - BEMILLER, J.N. - PETRUŠ, Ladislav. New synthesis of 1,4-dideoxy-1,4-imino-D-galactitol from D-glucose propane-1,3-diyl dithioacetal. In Tetrahedron Letters, 2002, vol. 43, p. 383-385. ISSN 0040-4039.

Citácie:
1. [1.1] Righi, G (Righi, Giuliana); Mandic, E (Mandic, Emanuela); Sappino, C (Sappino, Carla); Dema, E (Dema, Ergys); Bovicelli, P (Bovicelli, Paolo): Asymmetric routes toward polyhydroxylated pyrrolidines: Synthesis of 1,4-dideoxy-1,4-imino-D-galactitol and 1,4-dideoxy-1,4-imino-D-glucitol. In: CARBOHYDRATE RESEARCH Volume: 435 Pages: 100-105, WOS

ADCA537 PIGNATARO, Luca - LYNIKAITE, Benita - COLOMBO, Raffaele - CARBONI, Stefano - KRUPIČKA, Martin - PIARULLI, Umberto - GENNARI, Cesare. Combination of a binaphthol-derived phosphite and a C1-symmetric phosphinamine generaters heteroleptic catalysts in Rh-and Pd-mediated reactions. Raffaele Colombo, Stefano Carboni, Martin Krupička, Umberto Piarulli, Cesare Gennari. In Chemical Communication, 2009, pp.3539-3541.

Citácie:
1. [1.1] Shibata, T (Shibata, Takanori); Fukai, M (Fukai, Miku); Sekine, R (Sekine, Ryosuke); Hazra, M (Hazra, Madhurima); Kanyiva, KS (Kanyiva, Kyalo Stephen): Enantioselective Synthesis of Planar-Chiral 1,n-Dioxa[n]paracyclophane-Based Phosphites and Their Application as Chiral Ligands. In: SYNTHESIS-STUTTGART Volume: 48 Issue: 16 Pages: 2664-2670, WOS

ADCA538 POKKULURI, Phani Raj - DUKE, Norma E.C. - WOOD, Stephen J. - COTTA, Michael A. - LI, Xin-Liang - BIELY, Peter - SCHIFFER, Marianne. Structure of the catalytic domain of glucuronoyl esterase Cip2 from Hypocrea jecorina. In Proteins : Structure Function and Bioinformatics, 2011, vol. 79, p. 2588-2592. (2.813 - IF2010). (2011 - Current Contents). ISSN 0887-3585.

Citácie:
1. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS
2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS
3. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS
4. [1.1] Nylander, F (Nylander, Filip); Sunner, H (Sunner, Hampus); Olsson, L (Olsson, Lisbeth); Christakopoulos, P (Christakopoulos, Paul); Westman, G (Westman, Gunnar): Synthesis and enzymatic hydrolysis of a diaryl benzyl ester model of a lignin-carbohydrate complex (LCC). In: HOLZFORSCHUNG Volume: 70 Issue: 5 Pages: 385-391, WOS
5. [1.1] Singh, MK (Singh, Mrityunjay K.); Manoj, N (Manoj, Narayanan): An extended loop in CE7 carbohydrate esterase family is dispensable for oligomerization but required for activity and thermostability. In: JOURNAL OF STRUCTURAL BIOLOGY Volume: 194 Issue: 3 Pages: 434-

445, WOS
6. [1.1] d'Errico, C (d'Errico, Clotilde); Borjesson, J (Borjesson, Johan); Ding, HS (Ding, Hanshu); Krogh, KBRM (Krogh, Kristian B. R. M.); Spodsberg, N (Spodsberg, Nikolaj); Madsen, R (Madsen, Robert); Monrad, RN (Monrad, Rune Nygaard): Improved biomass degradation using fungal glucuronoyl-esterases-hydrolysis of natural corn fiber substrate. In: JOURNAL OF BIOTECHNOLOGY Volume: 219 Pages: 117-123, WOS
7. [1.2] Singh, M. K., Shivakumaraswamy, S., Gummadi, S. N., & Manoj, N. (2016). Role of an N-terminal extension in stability and catalytic activity of a hyperthermostable α/β hydrolase fold esterase. Protein Engineering, Design and Selection, 30(8), 559-570, SCOPUS

ADCA539 POLÁKOVÁ, Monika - JONIAK, Dušan - ĎURIŠ, M.. Synthesis and acid-catalyzed hydrolysis of some 3-(4-methoxyphenyl)propyl glucuronates. In Collection of Czechoslovak Chemical Communications, 2000, vol. 65, p. 1609-1618. (2000 - Current Contents). ISSN 0010-0765.

Citácie:
1. [1.1] Lopatkiewicz, G (Lopatkiewicz, Grzegorz); Mlynarski, J (Mlynarski, Jacek): Synthesis of L-Pyranosides by Hydroboration of Hex-5-enopyranosides Revisited. In: JOURNAL OF ORGANIC CHEMISTRY Volume: 81 Issue: 17 Pages: 7545-7556, WOS

ADCA540 POLÁKOVÁ, Monika - ROSLUND, Mattias U. - EKHOLM, Filip S. - SALORANTA, Tiina - LEINO, Reko. Synthesis of beta-(1-2)-Linked Oligomannosides. Filip S. Ekholm, Tiina Saloranta, Reko Leino. In European Journal of Organic Chemistry, 2009, pp.870-888.

Citácie:
1. [1.1] Karelin, AA (Karelin, Alexander A.); Tsvetkov, YE (Tsvetkov, Yury E.); Paulovicova, E (Paulovicova, Ema); Paulovicova, L (Paulovicova, Lucia); Nifantiev, NE (Nifantiev, Nikolay E.): A Blockwise Approach to the Synthesis of (1 -> 2)-Linked Oligosaccharides Corresponding to Fragments of the Acid-Stable beta-Mannan from the Candida albicans Cell Wall. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 6 Pages: 1173-1181, WOS

ADCA541 POLÁKOVÁ, Monika - BELÁŇOVÁ, Martina - MIKUŠOVÁ, Katarína - LATTOVÁ, Erika - PERREAULT, Héléne. Synthesis of 1,2,3-Tiazolo-Linked Octyl (1-6)-alfa-D-Oligomannosides and their evaluation in mycobacterial mannosyltransferase assay. In Bioconjugate chemistry, 2011, vol. 22, p. 289-298. (5.002 - IF2010). (2011 - Current Contents). ISSN 1043-1802.

Citácie:
1. [1.1] Chen, SG (Chen, Shiguang); Fang, YF (Fang, Yanfen); Zhu, QW (Zhu, Qiwen); Zhang, WL (Zhang, Wanli); Zhang, XW (Zhang, Xiongwen); Lu, W (Lu, Wei): NIR fluorescent DCPO glucose analogues and their application in cancer cell imaging. In: RSC ADVANCES Volume: 6 Issue: 85 Pages: 81894-81901, WOS
2. [1.1] He, XP (He, Xiao-Peng); Zeng, YL (Zeng, Ya-Li); Zang, Y (Zang, Yi); Li, J (Li, Jia); Field, RA (Field, Robert A.); Chen, GR (Chen, Guo-Rong): Carbohydrate CuAAC click chemistry for therapy and diagnosis. In: CARBOHYDRATE RESEARCH Volume: 429 Pages: 1-22, WOS
3. [1.1] Hojnik, C (Hojnik, Cornelia); Muller, A (Mueller, Anne); Gloe, TE (Gloe, Tobias-Elias); Lindhorst, TK (Lindhorst, Thisbe K.); Wrodnigg, TM (Wrodnigg, Tanja M.): The Amadori Rearrangement for Carbohydrate Conjugation: Scope and Limitations. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 25 Pages: 4328-4337, WOS
4. [1.1] Kayet, A (Kayet, Anirban); Ganguly, A (Ganguly, Arghya); Pathak, T (Pathak, Tanmaya): Vinyl sulfone modified-azidofuranoside building-blocks: 1,4-/1,5-disubstituted-1,2,3-triazole linked trisaccharides via an aqueous/ionic-liquid route and "Click" chemistry. In: RSC ADVANCES Volume: 6 Issue: 10 Pages: 7977-7981, WOS
5. [1.1] Tiwari, VK (Tiwari, Vinod K.); Mishra, BB (Mishra, Bhuwan B.); Mishra, KB (Mishra, Kunj B.); Mishra, N (Mishra, Nidhi); Singh, AS (Singh, Anoop S.); Chen, X (Chen, Xi): Cu-Catalyzed Click Reaction in Carbohydrate Chemistry. In: CHEMICAL REVIEWS Volume: 116 Issue: 5 Pages: 3086-3240, WOS
6. [1.2] Singh, A. S., Mishra, K. B., Mishra, A., & Tiwari, V. K. (2016). Synthesis of diverse carbohydrate-based molecules using click chemistry. In Click reactions in organic synthesis (Wiley-VCH, chapter 6, pp. 161-201), SCOPUS

ADCA542 POLÁKOVÁ, Monika - HORÁK, Radim - ŠESTÁK, Sergej - HOLKOVÁ, Ivana. Synthesis of modified D-mannose core derivatives and their impact on GH38 α-mannosidases. In Carbohydrate Research, 2016, vol. 428, p. 62-71. (1.817 - IF2015). (2016 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Bobovska, A (Bobovska, Adela); Tvaroska, I (Tvaroska, Igor); Kona, J (Kona, Juraj): Using DFT methodology for more reliable predictive models: Design of inhibitors of Golgi alpha-Mannosidase II. In: JOURNAL OF MOLECULAR GRAPHICS & MODELLING Volume: 66 Pages: 47-57, WOS

ADCA543 POLÁKOVÁ, Monika - STANTON, Rhiannon - WILSON, Iain B.H. - HOLKOVÁ, Ivana - ŠESTÁK, Sergej - MACHOVÁ, Eva - JANDOVÁ, Zuzana - KÓŇA, Juraj. „Click chemistry" synthesis of 1-(α-D-mannopyranosyl)-1,2,3-triazoles for inhibition of α-mannosidases. In

Carbohydrate Research, 2015, vol.406, p. 34-40. (1.929 - IF2014). (2015 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] He, XP (He, Xiao-Peng); Zeng, YL (Zeng, Ya-Li); Zang, Y (Zang, Yi); Li, J (Li, Jia); Field, RA (Field, Robert A.); Chen, GR (Chen, Guo-Rong): . In: CARBOHYDRATE RESEARCH Volume: 429 Pages: 1-22, WOS

2. [1.1] Tiwari, VK (Tiwari, Vinod K.); Mishra, BB (Mishra, Bhuwan B.); Mishra, KB (Mishra, Tiwari, VK (Tiwari, Vinod K.); Mishra, BB (Mishra, Bhuwan B.); Mishra, KB (Mishra, Tiwari, VK (Tiwari, Vinod K.); Mishra, BB (Mishra, Bhuwan B.); Mishra, KB (Mishra, Kunj B.); Mishra, N (Mishra, Nidhi); Singh, AS (Singh, Anoop S.); Chen, X (Chen, Xi): Cu-Catalyzed Click Reaction in Carbohydrate Chemistry. In: CHEMICAL REVIEWS Volume: 116 Issue: 5 Pages: 3086-3240, WOS

3. [1.2] Singh, A. S., Mishra, K. B., Mishra, A., & Tiwari, V. K. (2016). Synthesis of diverse carbohydrate-based molecules using click chemistry. In Click reactions in organic synthesis (Wiley-VCH, chapter 6, pp. 161-201), SCOPUS

ADCA544 PROKSA, Bohumil - UHRÍN, Dušan - ADAMCOVÁ, J. - FUSKA, J. Vermixocins A and B, two novel metabolites from Penicillium vermiculatum. In Journal of Antibiotics, 1992, vol. 45, p. 1268-1272. ISSN 0021-8820.

Citácie:

1. [1.1] Wu, CM (Wu, Chongming); Zhao, Y (Zhao, Yang); Chen, R (Chen, Ran); Liu, D (Liu, Dong); Liu, MY (Liu, Mingyue); Proksch, P (Proksch, Peter); Guo, P (Guo, Peng); Lin, WH (Lin, Wenhan): Phenolic metabolites from mangrove-associated Penicillium pinophilum fungus with lipid-lowering effects. In: RSC ADVANCES Volume: 6 Issue: 26 Pages: 21969-21978, WOS

2. [1.1] Yilmaz, N (Yilmaz, Neriman); Lopez-Quintero, CA (Lopez-Quintero, Carlos A.); Vasco-Palacios, A (Marcela Vasco-Palacios, Aida); Frisvad, JC (Frisvad, Jens C.); Theelen, B (Theelen, Bart); Boekhout, T (Boekhout, Teun); Samson, RA (Samson, Robert A.); Houbraken, J (Houbraken, Jos): Four novel Talaromyces species isolated from leaf litter from Colombian Amazon rain forests. In: MYCOLOGICAL PROGRESS Volume: 15 Issue: 10-11 Special Issue: SI Pages: 1041-1056, WOS

3. [1.1] Zhang, Y (Zhang, Yao); Zhao, LJ (Zhao, Lijuan); Guo, XJ (Guo, Xiaojiang); Li, C (Li, Chao); Li, HZ (Li, Haizhen); Lou, HX (Lou, Hongxiang); Ren, DM (Ren, Dongmei): Chemical constituents from Phyllanthus emblica and the cytoprotective effects on H2O2-induced PC12 cell injuries. In: ARCHIVES OF PHARMACAL RESEARCH Volume: 39 Issue: 9 Pages: 1202-1211, WOS

ADCA545 PROKSA, Bohumil - UHRÍN, Dušan - GROSSMANN, E. - VOTICKÝ, Zdeno. Vincarubine, a novel bisindole alkaloid from Vinca minor L. In Tetrahedron Letters, 1986, vol. 27, p. 5413-5416. ISSN 0040-4039.

Citácie:

1. [1.1] Dey, A (Dey, Aniruddha); Agasti, S (Agasti, Soumitra); Maiti, D (Maiti, Debabrata): Palladium catalysed meta-C-H functionalization reactions. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 24 Pages: 5440-5453, WOS

ADCA546 PROKSA, Bohumil - GROSSMANN, E.. High-performance liquid chromatographic determination of alkaloids from Vinca Minor L. In Phytochemistry analysis, 1991, vol. 2, p. 74-76.

Citácie:

1. [1.1] Ahmed, AB (Ahmed, Amal B.); Abdelrahman, MM (Abdelrahman, Mafia M.); Abdelwahab, NS (Abdelwahab, Nada S.); Salama, FM (Salama, Fathy M.): Stability-Indicating TLC-Densitometric and HPLC Methods for the Simultaneous Determination of Piracetam and Vincamine in the Presence of Their Degradation Products. In: JOURNAL OF AOAC INTERNATIONAL Volume: 99 Issue: 6 Pages: 1490-1498, WOS

ADCA547 PRUSSE, U. - BILANCETTI, L. - BUČKO, Marek - BUGARSKI, B. - BUKOWSKI, J. - GEMEINER, Peter - LEWINSKA, D. - MANOJLOVIC, V. - MASSART, B. - NASTRUZZI, C. - NEDOVIC, V. - PONCELET, D. - SIEBENHAAR, S. - TOBLER, L. - TOSI, A. - VIKARTOVSKÁ, Alica, Welwardová - VORLOP, K.D. Comparison of different technologies for alginate beads production. In Chemical papers, 2008, vol. 62, p. 364-374. (0.367 - IF2007). (2008 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Berninger, T (Berninger, Teresa); Mitter, B (Mitter, Birgit); Preininger, C (Preininger, Claudia): The smaller, the better? The size effect of alginate beads carrying plant growth-promoting bacteria for seed coating. In: JOURNAL OF MICROENCAPSULATION Volume: 33 Issue: 2 Pages: 127-136, WOS

2. [1.1] Demont, A (Demont, Aurelie); Marison, IW (Marison, Ian W.): Encapsulation via Spinning Disk Technology. In: HANDBOOK OF ENCAPSULATION AND CONTROLLED RELEASE Pages: 89-109, WOS

3. [1.1] Demont, A (Demont, Aurelie); Marison, IW (Marison, Ian W.): HANDBOOK OF ENCAPSULATION AND CONTROLLED RELEASE Pages: 177-199, WOS
4. [1.1] Iacovacci, V (Iacovacci, Veronica); Ricotti, L (Ricotti, Leonardo); Menciassi, A (Menciassi, Arianna); Dario, P (Dario, Paolo): The bioartificial pancreas (BAP): Biological, chemical and engineering challenges. In: BIOCHEMICAL PHARMACOLOGY Volume: 100 Pages: 12-27, WOS
5. [1.1] Lee, BB (Lee, Boon-Beng); Bhandari, BR (Bhandari, Bhesh R.); Howes, T (Howes, Tony): Air Extrusion System for Ionotropic Alginate Microgel Particle Formation: A Review. In: CHEMICAL ENGINEERING & TECHNOLOGY Volume: 39 Issue: 12 Pages: 2355-2369, WOS
6. [1.1] Swioklo, S (Swioklo, Stephen); Constantinescu, A (Constantinescu, Andrei); Connon, CJ (Connon, Che J.): Alginate-Encapsulation for the Improved Hypothermic Preservation of Human Adipose-Derived Stem Cells. In: STEM CELLS TRANSLATIONAL MEDICINE Volume: 5 Issue: 3 Pages: 339-349, WOS

ADCA548 PUCHART, Vladimír - BIELY, Peter. Simultaneous production of endo-beta-1,4-zylanase and branched xylooligosaccharides by Thermomyces lanuginosus. In Journal of Biotechnology, 2008, vol. 137, p. 34-43. (2008 - Current Contents). ISSN 0168-1656.

Citácie:
1. [1.1] Basinskiene, L (Basinskiene, Loreta); Juodeikiene, G (Juodeikiene, Grazina); Vidmantiene, D (Vidmantiene, Daiva); Tenkanen, M (Tenkanen, Maija); Makaravicius, T (Makaravicius, Tomas); Bartkiene, E (Bartkiene, Elena): Non-Alcoholic Beverages from Fermented Cereals with Increased Oligosaccharide Content, WOS
2. [1.1] Koutaniemi, S (Koutaniemi, Sanna); Tenkanen, M (Tenkanen, Maija): Action of three GH51 and one GH54 alpha-arabinofuranosidases on internally and terminally located arabinofuranosyl branches. In: JOURNAL OF BIOTECHNOLOGY Volume: 229 Pages: 22-30 DOI: 10.1016/j.jbiotec.2016.04.050 Published: JUL 10 2016 ISSN: 0168-1656, WOS

ADCA549 PUCHART, Vladimír - BIELY, Peter. Redistribution of acetyl group on the non-reducing end xylopyranosyl residues and their removal by xylan deacetylases. In Applied Microbiology and Biotechnology, 2015, vol. 99, p. 3865-3873. (3.337 - IF2014). (2015 - Current Contents). ISSN 0175-7598.

Citácie:
1. [1.1] Schendel, RR (Schendel, Rachel R.); Puchbauer, AK (Puchbauer, Ann-Katrin); Britscho, N (Britscho, Natalie); Bunzel, M (Bunzel, Mirko): Feruloylated Wheat Bran Arabinoxylans: Isolation and Characterization of Acetylated and O-2-Monosubstituted Structures. In: CEREAL CHEMISTRY Volume: 93 Issue: 5 Pages: 493-501, WOS
2. [1.1] Zeng, LF (Zeng, Lingfeng); Zhong, JL (Zhong, Jialun); Zhu, M (Zhu, Ming); Yan, WD (Yan, Weidong): A feasible scaling-up separation of platycosides from Platycodi Radix: From analytical to semi-preparative high performance liquid chromatography coupling with a post-separation flash freezing treatment to obtain highly unstable components. In: SEPARATION AND PURIFICATION TECHNOLOGY Volume: 167 Pages: 174-180, WOS

ADCA550 PUCHART, Vladimír - BIELY, Peter. Glycosylation of interal sugar residues of ologosaccharides catalyzed by alfa-galactosidase from Aspergillus fumigatus. In Biochimica et Biophysica Acta : general subjects, 2005, vol. 1726, p. 206-216. (3.369 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0304-4165.

Citácie:
1. [1.1] Gong, W (Gong, Wei); Xu, L (Xu, Li); Gu, GF (Gu, Guofeng); Lu, LL (Lu, Lili); Xiao, M (Xiao, Min): Efficient and regioselective synthesis of globotriose by a novel alpha-galactosidase from Bacteroides fragilis. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 15 Pages: 6693-6702, WOS

ADCA551 PUCHART, Vladimír - VRŠANSKÁ, Mária - MASTIHUBOVÁ, Mária - TOPAKAS, E. - VAFIADI, C. - FAULDS, C.B. - TENKANEN, M. - CHRISTAKOPOULOS, P. - BIELY, Peter. Substrate and positional spocifity of feruloyl esterases for monoacetylated 4-nitro-phenyl glycosides. In Journal of Biotechnology, 2007, vol. 127, p. 235-243. ISSN 0168-1656.

Citácie:
1. [1.1] Ramirez-Velasco, L (Ramirez-Velasco, Lorena); Armendariz-Ruiz, M (Armendariz-Ruiz, Mariana); Rodriguez-Gonzalez, JA (Alberto Rodriguez-Gonzalez, Jorge); Muller-Santos, M (Mueller-Santos, Marcelo); Asaff-Torres, A (Asaff-Torres, Ali); Mateos-Diaz, JC (Carlos Mateos-Diaz, Juan): From Classical to High Throughput Screening Methods for Feruloyl Esterases: A Review. In: COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING Volume: 19 Issue: 8 Pages: 616-626, WOS
2. [1.1] Ramos-de-la-Pena, AM (Mayela Ramos-de-la-Pena, Ana); Contreras-Esquivel, JC (Carlos Contreras-Esquivel, Juan): Methods and substrates for feruloyl esterase activity detection; a review. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 130 Pages: 74-87, WOS

ADCA552 PUCHART, Vladimír - VRŠANSKÁ, Mária - BHAT, M. - BIELY, Peter. Purification and characterization of alfa-galactosidase from a thermophilic fungus Thermomyces lanoginosus. In Biochimica et Biophysica Acta, 2000, vol. 1524, p. 27-37. ISSN 0006-3002.

Citácie:

1. [1.1] Bakunina, IY (Bakunina, Irina Yu.); Balabanova, LA (Balabanova, Larissa A.); Pennacchio, A (Pennacchio, Angela); Trincone, A (Trincone, Antonio): Hooked on alpha-D-galactosidases: from biomedicine to enzymatic synthesis. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 2 Pages: 233-245, WOS

2. [1.1] Gajdhane, SB (Gajdhane, Sanjivani B.); Bhagwat, PK (Bhagwat, Prashant K.); Dandge, PB (Dandge, Padma B.): Response surface methodology-based optimization of production media and purification of alpha-galactosidase in solid-state fermentation by Fusarium moniliforme NCIM 1099. In: 3 BIOTECH Volume: 6 Article Number: 260, WOS

3. [1.1] Gajdhane, SB (Gajdhane, Sanjivani B.); Bhagwat, PK (Bhagwat, Prashant K.); Dandge, PB (Dandge, Padma B.): Statistical media optimization for enhanced production of alpha-galactosidase by a novel Rhizopus oryzae strain SUK. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 8 Pages: 301-309, WOS

4. [1.1] Hu, YJ (Hu, Yujing); Tian, GT (Tian, Guoting); Geng, XR (Geng, Xueran); Zhang, WW (Zhang, Weiwei); Zhao, LY (Zhao, Liyan); Wang, HX (Wang, Hexiang); Ng, TB (Ng, Tzi Bun): A protease-resistant alpha-galactosidase from Pleurotus citrinopileatus with broad substrate specificity and good hydrolytic activity on raffinose family oligosaccharides. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 4 Pages: 491-499, WOS

5. [1.1] Wang, CH (Wang, Caihong); Wang, HM (Wang, Huimin); Ma, R (Ma, Rui); Shi, PJ (Shi, Pengjun); Niu, CF (Niu, Canfang); Luo, HY (Luo, Huiying); Yang, PL (Yang, Peilong); Yao, B (Yao, Bin): Biochemical characterization of a novel thermophilic alpha-galactosidase from Talaromyces leycettanus JCM12802 with significant transglycosylation activity. In: JOURNAL OF BIOSCIENCE AND BIOENGINEERING Volume: 121 Issue: 1 Pages: 7-12, WOS

6. [1.1] Zheng, XL (Zheng, Xianliang); Fang, B (Fang, Bo); Han, DF (Han, Dongfei); Yang, WX (Yang, Wenxia); Qi, FF (Qi, Feifei); Chen, H (Chen, Hui); Li, SY (Li, Shengying): Improving the Secretory Expression of an - Galactosidase from Aspergillus niger in Pichia pastoris. In: PLOS ONE Volume: 11 Issue: 8 Article Number: e0161529, WOS

7. [1.2] Anisha, G. S. (2016). α-Galactosidases. In Current developments in biotechnology and bioengineering: Production, isolation and purification of industrial products (Elsevier, chapter 16, pp. 369-374), SCOPUS

ADCA553 PUCHART, Vladimír - KATAPODIS, P. - BIELY, Peter - KREMNICKÝ, Ľubomir - CHRISTAKOPOULOS, P. - VRŠANSKÁ, Mária - KEKOS, D. - MACRIS, B.J. - BHAT, M.K. Production of xylanases, mannanases, and pectinases by thermophylic fungus Thermomyces lanuginosus. In Enzyme and Microbial Technology, 1999, vol. 24, p. 355-361. ISSN 0141-0229.

Citácie:

1. [1.1] Correa, JM (Correa, Juliana Moco); Christi, D (Christi, Divair); Della Torre, CL (Della Torre, Carla Lieko); Henn, C (Henn, Caroline); da Conceicao-Silva, JL (da Conceicao-Silva, Jose Luis); Kadowaki, MK (Kadowaki, Marina Kimiko); Simao, RDG (Garcia Simao, Rita de Cassia): High levels of beta-xylosidase in Thermomyces lanuginosus: potential use for saccharification. In: BRAZILIAN JOURNAL OF MICROBIOLOGY Volume: 47 Issue: 3 Pages: 680-690, WOS

2. [1.1] Gomes, E (Gomes, Eleni); de Souza, AR (de Souza, Angelica Rodrigues); Orjuela, GL (Orjuela, Guillermo Ladino); Da Silva, R (Da Silva, Roberto); de Oliveira, TB (de Oliveira, Tassio Brito); Rodrigues, A (Rodrigues, Andre): Applications and Benefits of Thermophilic Microorganisms and Their Enzymes for Industrial Biotechnology. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 459-492, WOS

3. [1.1] Thebti, W (Thebti, Wajdi); Riahi, Y (Riahi, Yosra); Gharsalli, R (Gharsalli, Rawand); Belhadj, O (Belhadj, Omrane): Screening and characterization of thermo-active enzymes of biotechnological interest produced by thermophilic Bacillus isolated from hot springs in Tunisia. In: ACTA BIOCHIMICA POLONICA Volume: 63 Issue: 3 Pages: 581-587, WOS

4. [1.2] GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 459-492, SCOPUS

5. [1.2] Onal, L., & Karaduman, Y. (2016). Reinforcing potential of enzymatically modified natural fibers. In Biodegradable green composites (John Wiley & Sons, chapter 3, pp. 40-79), SCOPUS

ADCA554 PUCHART, Vladimír - BERRIN, Jean-Guy - HAON, Mireille - BIELY, Peter. A unique CE16 acetyl esterase from Podospora anserina active on polymeric xylan. In Applied Microbiology and Biotechnology, 2015, vol. 99, p. 10515-10526. (3.337 - IF2014). (2015 - Current Contents). ISSN 0175-7598.

Citácie:

1. [1.1] Koutaniemi, S (Koutaniemi, Sanna); Tenkanen, M (Tenkanen, Maija): Action of three GH51 and one GH54 alpha-arabinofuranosidases on internally and terminally located arabinofuranosyl branches. In: JOURNAL OF BIOTECHNOLOGY Volume: 229 Pages: 22-30, WOS

2. [1.1] Liu, SP (Liu, Shiping); Ding, SJ (Ding, Shaojun): Replacement of carbohydrate binding modules improves acetyl xylan esterase activity and its synergistic hydrolysis of different substrates with xylanase. In: BMC BIOTECHNOLOGY Volume: 16 Article Number: 73, WOS

ADCA555 PUCHART, Vladimír. Glycoside phosphorylases: Structure, catalytic properties and biotechnological potential. In Biotechnology Advances, 2015, vol. 33, p. 261-276. (9.015 - IF2014). (2015 - Current Contents). ISSN 0734-9750.

Citácie:

1. [1.1] Danby, PM (Danby, Phillip M.); Withers, SG (Withers, Stephen G.): Advances in Enzymatic Glycoside Synthesis. In: ACS CHEMICAL BIOLOGY Volume: 11 Issue: 7 Pages: 1784-1794, WOS

2. [1.1] Ducatti, DRB (Ducatti, Diogo R. B.); Carroll, MA (Carroll, Madison A.); Jakeman, DL (Jakeman, David L.): On the phosphorylase activity of GH3 enzymes: A beta-N-acetylglucosaminidase from Herbaspirillum seropedicae SmR1 and a glucosidase from Saccharopolyspora erythraea. In: CARBOHYDRATE RESEARCH Volume: 435 Pages: 106-112, WOS

3. [1.1] Gonzalez-Rios, JA (Gonzalez-Rios, Jorge A.); Pedraza-Chaverri, J (Pedraza-Chaverri, Jose); Medina-Campos, ON (Medina-Campos, Omar N.); Reina, M (Reina, Miguel); Romero, Y (Romero, Yanet); Martinez, A (Martinez, Ana); Lopez-Munguia, A (Lopez-Munguia, Agustin); Castillo, E (Castillo, Edmundo): The influence of the carbohydrate anomeric linkage on the free radical scavenging activity of enzymatically-synthesized phenolic glycosides. In: RSC ADVANCES Volume: 6 Issue: 51 Pages: 45452-45461, WOS

4. [1.1] Kadokawa, J (Kadokawa, Jun-ichi): Precision Synthesis of Functional Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Reactions. In: POLYMERS Volume: 8 Issue: 4 Article Number: 138, WOS

5. [1.1] Nakauchida, T (Nakauchida, Takuya); Takata, Y (Takata, Yusei); Yamamoto, K (Yamamoto, Kazuya); Kadokawa, J (Kadokawa, Jun-ichi): Chemoenzymatic synthesis and pH-responsive properties of amphoteric block polysaccharides. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 27 Pages: 6449-6456, WOS

6. [1.1] Xu, LJ (Xu, Lijuan); Qi, TT (Qi, Tingting); Xu, L (Xu, Li); Lu, LL (Lu, Lili); Xiao, M (Xiao, Min): Recent progress in the enzymatic glycosylation of phenolic compounds. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 1 Pages: 1-23, WOS

7. [1.1] Zhou, W (Zhou, Wei); You, C (You, Chun); Ma, HW (Ma, Hongwu); Ma, YH (Ma, Yanhe); Zhang, YHP (Zhang, Y. -H. Percival): One-Pot Biosynthesis of High-Concentration alpha-Glucose 1-Phosphate from Starch by Sequential Addition of Three Hyperthermophilic Enzymes. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 8 Pages: 1777-1783, WOS

8. [1.2] Luley-Goedl, C., & Nidetzky, B. (2016). Disaccharide phosphorylases: Mechanistic diversity and application in the glycosciences. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, Volume 2, chapter 5, pp. 237-273), SCOPUS

9. [1.2] Verhaeghe, T., De Winter, K., & Desmet, T. (2016). Microbial enzymes for glycoside synthesis: Development of sucrose phosphorylase as a test case. In Biotechnology of microbial enzymes: Production, biocatalysis and industrial applications (Academic Press, chapter 15, pp. 405-431), SCOPUS

ADCA556 PUCHART, Vladimír - VRŠANSKÁ, Mária - SVOBODA, P. - POHL, J. - OGEL, Z.B. - BIELY, Peter. Purification and characterization of two forms of endo-beta-1,4-mannanase from a thermotolerant fungus, Aspergillus fumigatus IMI 385708 (formerly Thermomyces lanuginosus IMI 158749). In Biochimica et Biophysica Acta : general subjects, 2004, vol. 1647, p. 239-250. (2.557 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 0304-4165.

Citácie:

1. [1.1] Ahirwar, S (Ahirwar, Saroj); Soni, H (Soni, Hemant); Rawat, HK (Rawat, Hemant Kumar); Ganaie, MA (Ganaie, Mohd. Anis); Pranaw, K (Pranaw, Kumar); Kango, N (Kango, Naveen): Production optimization and functional characterization of thermostable beta-mannanase from Malbranchea cinnamomea NFCCI 3724 and its applicability in mannotetraose (M-4) generation. In: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS Volume: 63 Pages: 344-353, WOS

2. [1.1] Dong, YH (Dong, Yun Hai); Li, JF (Li, Jian Fang); Hu, D (Hu, Die); Yin, X (Yin, Xin); Wang, CJ (Wang, Chun Juan); Tang, SH (Tang, Shi Han); Wu, MC (Wu, Min Chen): Replacing a piece of loop-structure in the substrate-binding groove of Aspergillus usamii beta-mannanase, AuMan5A, to improve its enzymatic properties by rational design. In: APPLIED

MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 9 Pages: 3989-3998, WOS
3. [1.1] Li, Jianfang; Dong, Yunhai; Hu, Die; Wang, Chunjuan; Tang, Shihan; Wu, Minchen: Correlation between superior enzymatic properties of beta-mannanase AuMan5A/Af and its residue Asp(320). In: Weishengwu Xuebao Volume: 56 Issue: 2 Pages: 301-308, WOS
4. [1.1] Pradeep, GC (Pradeep, G. C.); Cho, SS (Cho, Seung Sik); Choi, YH (Choi, Yun Hee); Choi, YS (Choi, Yun Seok); Jee, JP (Jee, Jun-Pil); Seong, CN (Seong, Chi Nam); Yoo, JC (Yoo, Jin Cheol): An extremely alkaline mannanase from Streptomyces sp CS428 hydrolyzes galactomannan producing series of mannooligosaccharides. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 5 Article Number: 84, WOS
5. [1.1] Soni, H (Soni, Hemant); Rawat, HK (Rawat, Hemant Kumar); Pletschke, BI (Pletschke, Brett I.); Kango, N (Kango, Naveen): Purification and characterization of beta-mannanase from Aspergillus terreus and its applicability in depolymerization of mannans and saccharification of lignocellulosic biomass. In: 3 BIOTECH Volume: 6 Article Number: 136, WOS
6. [1.1] Toth, A (Toth, Akos); Barna, T (Barna, Terezia); Szabo, E (Szabo, Erna); Elek, R (Elek, Rita); Hubert, A (Hubert, Agnes); Nagy, I (Nagy, Istvan); Nagy, I (Nagy, Istvan); Kriszt, B (Kriszt, Balazs); Tancsics, A (Tancsics, Andras); Kukolya, J (Kukolya, Jozsef): Cloning, Expression and Biochemical Characterization of Endomannanases from Thermobifida Species Isolated from Different Niches. In: PLOS ONE Volume: 11 Issue: 5 Article Number: e0155769, WOS
7. [1.2] Ahirwar, S., Soni, H., Rawat, H. K., Prajapati, B. P., & Kango, N. (2016). Experimental design of response surface methodology used for utilisation of palm kernel cake as solid substrate for optimised production of fungal mannanase. Mycology, 7(3), 143-153, SCOPUS

ADCA557 RAAB, Michal - TVAROŠKA, Igor. The binding properties of the H5N1 influenza virus neuraminidase as inferred from molecular modeling. In Journal of molecular modeling, 2011, vol. 17, p. 1445-1456. (1.871 - IF2010). (2011 - Current Contents). ISSN 1610-2940.

Citácie:

1. [1.1] Colombo, C (Colombo, Cinzia); Pinto, BM (Pinto, B. Mario); Bernardi, A (Bernardi, Anna); Bennet, AJ (Bennet, Andrew J.): Synthesis and evaluation of influenza A viral neuraminidase candidate inhibitors based on a bicyclo[3.1.0]hexane scaffold. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 27 Pages: 6539-6553, WOS

ADCA558 RADOŠINSKÁ, Jana - MÉZEŠOVÁ, Lucia - OKRUHLICOVÁ, Ľudmila - FRIMMEL, Karel - BREIEROVÁ, Emília - BARTEKOVÁ, Monika - VRBJAR, Norbert. Effect of yeast biomass with high content of carotenoids on erythrocyte deformability, NO production and Na,K-ATPase activity in healthy and LPS treated rats. In Clinical Hemorheology and Microcirculation, 2016, vol. 64, no. 2, pp. 125–134. (1.815 - IF2015). (2016 - Current Contents). ISSN 1386-0291.(VEGA č. 1/0032/14 : Matrix metaloproteinázy, microRNAs a deformabilita erytrocytov - nové diagnostické a prognostické biomarkery srdcového zlyhávania. VEGA č. 2/0022/16 : Ochrana mechanizmov modulujúcich permeabilitu endotelu v srdci. VEGA č. 2/0141/13 : Vlastnosti Na,K-ATPázy, jedného z kľúčových systémov pre udržiavanie koncentrácie sodíka v organizme, v podmienkach civilizačných ochorení, ako sú hypertenzia, diabetes mellitus a hypertriglyceridémia).

Citácie:

1. [1.1] KUMAR, Prabhanshu - CHAUDHARY, Nidhee - SHARMA, Narendra Kumar - MAURYA, Pawan Kumar. Detection of oxidative stress biomarkers in myricetin treated red blood cells. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 102, pp. 100028-100034., WOS

ADCA559 RANTA, Kaarina - NIEMINEN, Kalsa - EKHOLM, Filip S. - POLÁKOVÁ, Monika - ROSLUND, Mattias U. - SALORANTA, Tiina - LEINO, Reko - SAVOLAINEN, Johannes. Evaluation of immunostimulatory activities of synthetic mannose-containing structures mimicking the beta-(1-2)-linked cell wall mannans of candida albicans. In Clinical and Vaccine Immunology, 2012, vol. 19, p. 1889-1893. (2.546 - IF2011). (2012 - Current Contents). ISSN 1556-6811.

Citácie:

1. [1.1] Hu, X (Hu, Xing); Shi, YN (Shi, Yaning); Zhang, P (Zhang, Peng); Miao, M (Miao, Ming); Zhang, T (Zhang, Tao); Jiang, B (Jiang, Bo): d-Mannose: Properties, Production, and Applications: An Overview. In: COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY Volume: 15 Issue: 4 Pages: 773-785, WOS
2. [1.1] Yu, LN (Yu, Lina); Zhang, WL (Zhang, Wenli); Zhang, T (Zhang, Tao); Jiang, B (Jiang, Bo); Mu, WM (Mu, Wanmeng): Efficient biotransformation of D-fructose to D-mannose by a thermostable D-lyxose isomerase from Thermosediminibacter oceani. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 12 Pages: 2026-2033, WOS

ADCA560 RAPP, G. - FREUDENSTEIN, J. - KLAUDINY, Jaroslav - MUCHA, Ján - WEMPE, F. - ZIMMER, M. - SCHEIT, K.H. Characterization of 3 abundant messenger RNAS from human ovarian granulosa cells. In DNA and Cell Biology, 1990, vol. 9, p. 479-485. ISSN 1044-5498.

Citácie:

1. [1.2] Kazi, J. U., Kabir, N. N., & Rönnstrand, L. (2015). Brain-expressed X-linked (BEX) proteins in human cancers. Journal of Algebra, 446, 226-233, SCOPUS

ADCA561 RAPP, G. - KLAUDINY, Jaroslav - HAGENDORFF, G. - LUCK, M.R. - SCHEIT, K.H. Complete sequence of the coding regio n of human elongation of factor-II (EF-2) by enzymatic amplification of CDNA from human ovarian granulos cells. In Biological Chemistry Hoppe-Seyler, 1989, vol. 370, p. 1071-1075. ISSN 1431-6730.

Citácie:

1. [1.1] Xiao, T (Xiao, Ting); Liu, R (Liu, Rui); Proud, CG (Proud, Christopher G.); Wang, MW (Wang, Ming-Wei): A high-throughput screening assay for eukaryotic elongation factor 2 kinase inhibitors. In: ACTA PHARMACEUTICA SINICA B Volume: 6 Issue: 6 Pages: 557-563, WOS

2. [1.2] Bennun, A. (2016). In The metabolic-psychosomatic axis, stress and oxytocin regulation (Nova Science Publishers, pp. 1-244), SCOPUS

ADCA562 RAPTA, Peter - VALACHOVÁ, Katarína - GEMEINER, Peter - ŠOLTÉS, Ladislav. High-molar-mass hyaluronan behavior during testing its radical scavening capacity in organic and aqueous media: effects of the presence of manganese(II) ions. In Chemistry & biodiversity, 2009, vol. 6, p. 162-169. (1.659 - IF2008). (2009 - Current Contents). ISSN 1612-1872.

Citácie:

1. [1.1] NASUTION, A.K. - HERMAWAN, H. Degradable biomaterials fortTemporary medical implants. In BIOMATERIALS AND MEDICAL DEVICES: A PERSPECTIVE FROM AN EMERGING COUNTRY. Series ADVANCED STRUCTURED MATERIALS. ISSN 1869-8433, 2016, vol. 58, p. 127-160., WOS

2. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

ADCA563 RAY, B. - BANDYOPADHYAY, S.S. - CAPEK, Peter - KOPECKÝ, Jaromír - HINDÁK, František - LUKAVSKÝ, Jiří. Extracellular glycoconjugates produced by cyanobacterium Wollea saccata. In International Journal of Biological Macromolecules, 2011, vol. 48, no. 4, p. 553-557. (2.502 - IF2010). (2011 - Current Contents). ISSN 0141-8130.(Vega č. 2/0310. VEGA 2/0017/11. APVV 0030-07).

Citácie:

1. [1.1] LIU, L. - POHNERT, G. - WEI, D. Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. In Marine Drugs, 2016, vol. 14, no. 10. ISSN 1660-3397., WOS

ADCA564 REDJALA, Tanegmart - ZELKO, Ivan - STERCKEMAN, Thibault - LEGUÉ, Valérie - LUX, Alexander. Relationship between root structure and root cadmium uptake in maize. In Environmental and Experimental Botany, 2011, vol. 71, p. 241-248. (2.699 - IF2010). (2011 - Current Contents). ISSN 0098-8472.

Citácie:

1. [1.1] Assad, M (Assad, Mohamad); Parelle, J (Parelle, Julien); Cazaux, D (Cazaux, David); Gimbert, F (Gimbert, Frederic); Chalot, M (Chalot, Michel); Tatin-Froux, F (Tatin-Froux, Fabienne): Mercury uptake into poplar leaves. In: CHEMOSPHERE Volume: 146 Pages: 1-7, WOS

2. [1.1] Liu, HW (Liu, Haiwei); Wang, HY (Wang, Haiyun); Ma, YB (Ma, Yibing); Wang, HH (Wang, Haohao); Shi, Y (Shi, Yi): Role of transpiration and metabolism in translocation and accumulation of cadmium in tobacco plants (Nicotiana tabacum L.). In: CHEMOSPHERE Volume: 144 Pages: 1960-1965, WOS

3. [1.1] Peckova, E (Peckova, E.); Tylova, E (Tylova, E.); Soukup, A (Soukup, A.): Tracing root permeability: comparison of tracer methods. In: BIOLOGIA PLANTARUM Volume: 60 Issue: 4 Pages: 695-705, WOS

4. [1.1] Rodriguez-Celma, J (Rodriguez-Celma, Jorge); Lattanzio, G (Lattanzio, Giuseppe); Villarroya, D (Villarroya, Dido); Gutierrez-Carbonell, E (Gutierrez-Carbonell, Elain); Ceballos-Laita, L (Ceballos-Laita, Laura); Rencoret, J (Rencoret, Jorge); Gutierrez, A (Gutierrez, Ana); del Rio, JC (del Rio, Jose C.); Grusak, MA (Grusak, Michael A.); Abadia, A (Abadia, Anunciacion); Abadia, J (Abadia, Javier); Lopez-Millan, AF (Lopez-Millan, Ana-Flor): Effects of Fe deficiency on the protein profiles and lignin composition of stem tissues from Medicago truncatula in absence or presence of calcium carbonate. In: JOURNAL OF PROTEOMICS Volume: 140 Pages: 1-12, WOS

5. [1.1] Vaculikova, M (Vaculikova, Miroslava); Vaculik, M (Vaculik, Marek); Tandy, S (Tandy, Susan); Luxova, M (Luxova, Miroslava); Schulin, R (Schulin, Rainer): Alleviation of antimonate (SbV) toxicity in maize by silicon (Si). In: ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 128 Pages: 11-17, WOS

6. [1.1] Vatehova, Z (Vatehova, Zuzana); Malovikova, A (Malovikova, Anna); Kollarova, K (Kollarova, Karin); Kucerova, D (Kucerova, Danica); Liskova, D (Liskova, Desana): Impact of

cadmium stress on two maize hybrids. In: PLANT PHYSIOLOGY AND BIOCHEMISTRY Volume: 108 Pages: 90-98, WOS
7. [1.1] Yu, Q (Yu Qiong); Guo, Y (Guo Yuan); Xie, ZX (Xie Zhixia); Sun, K (Sun Ke); Xu, J (Xu Jin); Yang, T (Yang Ting); Liu, XJ (Liu Xiaojing): EFFECTS OF SALT STRESS ON TILLERING NODES TO THE GROWTH OF WINTER WHEAT (TRITICUM AESTIVUM L.). In: PAKISTAN JOURNAL OF BOTANY Volume: 48 Issue: 5 Pages: 1775-1782, WOS

ADCA565 REHÁK, J. - FIŠERA, L. - KOŽÍŠEK, J. - PERAŠÍNOVÁ, L. - STEINER, Bohumil - KOÓŠ, Miroslav. Samarium diiodide-induced reductive coupling of chiral nitrones with methyl acrylate. In ARKIVOC, viii, vol. 2008, part, (2008.

Citácie:
1. [1.1] Racine, E (Racine, Emilie); Burchak, ON (Burchak, Olga N.); Py, S (Py, Sandrine): Synthesis of -Acyloxynitrones and Reactivity towards Samarium Diiodide. In. EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 23 Pages: 4003-4012, WOS

ADCA566 REMEŠ, Zdeněk - MIČOVÁ, Júlia - KRIST, Pavel - CHVÁTIL, David - EFFENBERG, Roman - NESLÁDEK, Miloš. N-V-related fluorescence of the monoenergetic high-energy electronirradiated diamond nanoparticles. In Physica Status Solidi A : applications and materials science, 2015, vol. 212, p. 2519-2524. (1.616 - IF2014). (2015 - Current Contents). ISSN 1862-6300.

Citácie:
1. [1.1] Merchant, K (Merchant, Kelsie); Sarkar, SK (Sarkar, Susanta K.): Fluorescent Nanodiamonds for Molecular and Cellular Bioimaging. In: IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS Volume: 22 Issue: 3 Article Number: 6802311, WOS

ADCA567 REXOVÁ-BENKOVÁ, Ľubomíra. The size of the binding site of an Aspergillus niger extracellular endopolygalacturonase. In European Journal of Biochemistry, 1973, vol.39, p. 109-115. ISSN 0014-2956.

Citácie:
1. [1.1] Hettiarachchi, CA (Hettiarachchi, Charith A.); Melton, LD (Melton, Laurence D.); McGillivray, DJ (McGillivray, Duncan J.); Loveday, SM (Loveday, Simon M.); Gerrard, JA (Gerrard, Juliet A.); Williams, MAK (Williams, Martin A. K.): beta-Lactoglobulin nanofibrils can be assembled into nanotapes via site-specific interactions with pectin. In: SOFT MATTER Volume: 12 Issue: 3 Pages: 756-768, WOS

ADCA568 REXOVÁ-BENKOVÁ, Ľubomíra - TIBENSKÝ, V.. Selective purification of Aspergillus niger endopolygalacturonase by affinity chromatography on cross-linked pectic acid. In Biochimica et Biophysica Acta-Enzymology, 1972, vol. 268, p. 187-193.

Citácie:
1. [1.1] Kirsch, R (Kirsch, Roy); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): How the rice weevil breaks down the pectin network: Enzymatic synergism and sub-functionalization. In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 72-82, WOS

ADCA569 REXOVÁ-BENKOVÁ, Ľubomíra. On the character of the interaction of endopolygalacturonase with cross-linked pectic acid. In Biochinmica et Biophysica Acta-Enzymology, 1972, vol. 276, p. 215-220.

Citácie:
1. [1.1] Kirsch, R (Kirsch, Roy); Heckel, DG (Heckel, David G.); Pauchet, Y (Pauchet, Yannick): How the rice weevil breaks down the pectin network: Enzymatic synergism and sub-functionalization. In: INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 71 Pages: 72-82, WOS

ADCA570 RICE, P.J. - KELLEY, J.L. - KOGAN, Grigorij - ENSLEY, H.E. - KALBFLEISCH, J.H. - BROWDER, I.W. - WILLIAMS, D.I. Human monocyte scavenger receptors are pattern recognition receptors for (1→3)-β-D-glucans. In Journal of Leukocyte Biology, 2002, vol. 72, p. 140-146. ISSN 0741-5400.

Citácie:
1. [1.1] Aliabad, MHB (Aliabad, Mohammad Hosein Bakhshi); Jafari, E (Jafari, Elham); Kakh, MK (Kakh, Mansoureh Karimi); Nosratababadi, R (Nosratababadi, Reza); Bakhshi, H (Bakhshi, Hamid); Sheikhha, MH (Sheikhha, Mohammad Hassan); Bidaki, R (Bidaki, Reza); Askari, A (Askari, Azade); Arababadi, MK (Arababadi, Mohammad Kazemi): Anxiety leads to up-regulation of CD36 on the monocytes of chronic hepatitis B-infected patients. In: INTERNATIONAL JOURNAL OF PSYCHIATRY IN MEDICINE Volume: 51 Issue: 5 Pages: 467-475, WOS
2. [1.1] Arena, MP (Arena, Mattia Pia); Russo, P (Russo, Pasquale); Fiocco, D (Fiocco, Daniela); Capozzi, V (Capozzi, Vittorio); Spano, G (Spano, Giuseppe): beta-Glucans and Synbiotic Foods. In: PROBIOTICS, PREBIOTICS, AND SYNBIOTICS: BIOACTIVE FOODS IN HEALTH PROMOTION Pages: 423-433, WOS
3. [1.1] Broadley, SP (Broadley, Steven P.); Plaumann, A (Plaumann, Ann); Coletti, R (Coletti, Raffaele); Lehmann, C (Lehmann, Christin); Wanisch, A (Wanisch, Andreas); Seidlmeier, A (Seidlmeier, Amelie); Esser, K (Esser, Knud); Luo, SS (Luo, Shanshan); Ramer, PC (Raemer,

Patrick C.); Massberg, S (Massberg, Steffen); Busch, DH (Busch, Dirk H.); Campagne, MV (Campagne, Menno van Lookeren); Verschoor, A (Verschoor, Admar): Dual-Track Clearance of Circulating Bacteria Balances Rapid Restoration of Blood Sterility with Induction of Adaptive Immunity. In: CELL HOST & MICROBE Volume: 20 Issue: 1 Pages: 36-48, WOS
4. [1.1] Han, S (Han, Seungmin); Kwon, T (Kwon, Taeyun); Um, JE (Um, Jo-Eun); Haam, S (Haam, Seungjoo); Kim, WJ (Kim, Woo-Jae): Highly Selective Photothermal Therapy by a Phenoxylated-Dextran-Functionalized Smart Carbon Nanotube Platform. In: ADVANCED HEALTHCARE MATERIALS Volume: 5 Issue: 10 Pages: 1147-1156, WOS
5. [1.1] Sigola, LB (Sigola, Lynette B.); Fuentes, AL (Fuentes, Ana-Lucia); Millis, LM (Millis, Leonard M.); Vapenik, J (Vapenik, Jacqueline); Murira, A (Murira, Armstrong): Effects of Toll-like receptor ligands on RAW 264.7 macrophage morphology and zymosan phagocytosis. In: TISSUE & CELL Volume: 48 Issue: 4 Pages: 389-396, WOS
6. [1.1] Thuong, NTT (Thuong, N. T. T.); Tram, TTB (Tram, T. T. B.); Dinh, TD (Dinh, T. D.); Thai, PVK (Thai, P. V. K.); Heemskerk, D (Heemskerk, D.); Bang, ND (Bang, N. D.); Chau, TTH (Chau, T. T. H.); Russell, DG (Russell, D. G.); Thwaites, GE (Thwaites, G. E.); Hawn, TR (Hawn, T. R.); Caws, M (Caws, M.); Dunstan, SJ (Dunstan, S. J.): MARCO variants are associated with phagocytosis, pulmonary tuberculosis susceptibility and Beijing lineage. In: GENES AND IMMUNITY Volume: 17 Issue: 7 Pages: 419-425, WOS
7. [1.1] Walachowski, S (Walachowski, Sarah); Tabouret, G (Tabouret, Guillaume); Foucras, G (Foucras, Gilles): Triggering Dectin-1-Pathway Alone Is Not Sufficient to Induce Cytokine Production by Murine Macrophages. In: PLOS ONE Volume: 11 Issue: 2 Article Number: e0148464, WOS

ADCA571 ROESSL, Ulrich - NAHÁLKA, Jozef - NIDETZKY, Bernd. Carrier-free immobilized enzymes for biocatalysis. In Biotechnology Letters, 2010, vol.32, p. 341-350. (1.636 - IF2009). (2010 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] Chen, HY (Chen, Huayou); Chen, Z (Chen, Zhi); Ni, Z (Ni, Zhong); Tian, R (Tian, Rui); Zhang, TX (Zhang, Tianxi); Jia, JR (Jia, Jinru); Chen, KP (Chen, Keping); Yang, SL (Yang, Shengli): Display of Thermotoga maritima MSB8 nitrilase on the spore surface of Bacillus subtilis using out coat protein CotG as the fusion partner. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 123 Pages: 73-80, WOS
2. [1.1] Corchero, JL (Luis Corchero, Jose): Eukaryotic aggresomes: from a model of conformational diseases to an emerging type of immobilized biocatalyzers. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 2 Pages: 559-569, WOS
3. [1.1] Jamwal, S (Jamwal, Shivani); Chauhan, GS (Chauhan, Ghanshyam S.); Ahn, JH (Ahn, Jou-Hyeon); Reddy, NS (Reddy, N. S.): Cellulase stabilization by crosslinking with ethylene glycol dimethacrylate and evaluation of its activity including in a water-ionic liquid mixture. In: RSC ADVANCES Volume: 6 Issue: 30 Pages: 25485-25491, WOS
4. [1.1] Rueda, F (Rueda, Fabian); Gasser, B (Gasser, Brigitte); Sanchez-Chardi, A (Sanchez-Chardi, Alejandro); Roldan, M (Roldan, Mnica); Villegas, S (Villegas, Sandra); Puxbaum, V (Puxbaum, Verena); Ferrer-Miralles, N (Ferrer-Miralles, Neus); Unzueta, U (Unzueta, Ugutz); Vazquez, E (Vazquez, Esther); Garcia-Fruitos, E (Garcia-Fruitos, Elena); Mattanovich, D (Mattanovich, Diethard); Villaverde, A (Villaverde, Antonio): Functional inclusion bodies produced in the yeast Pichia pastoris.In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 166, WOS
5. [1.1] Rueda, N (Rueda, Nazzoly); dos Santos, JCS (dos Santos, Jose C. S.); Ortiz, C (Ortiz, Claudia); Torres, R (Torres, Rodrigo); Barbosa, O (Barbosa, Oveimar); Rodrigues, RC (Rodrigues, Rafael C.); Berenguer-Murcia, A (Berenguer-Murcia, Angel); Fernandez-Lafuente, R (Fernandez-Lafuente, Roberto): Chemical Modification in the Design of Immobilized Enzyme Biocatalysts: Drawbacks and Opportunities. In: CHEMICAL RECORD Volume: 16 Issue: 3 Pages: 1436-1455, WOS
6. [1.1] Wang, RM (Wang Rongmin); Lv, SY (Lv Siyao); Li, T (Li Tao); He, YF (He Yufeng); Song, PF (Song Pengfei): Fabricating Polymer Microspheres through CaCO3 Templates. In: PROGRESS IN CHEMISTRY Volume: 28 Issue: 1 Pages: 75-82, WOS
7. [1.1] Ye, R (Ye, Rong); Hurlburt, TJ (Hurlburt, Tyler J.); Sabyrov, K (Sabyrov, Kairat); Alayoglu, S (Alayoglu, Selim); Somorjai, GA (Somorjai, Gabor A.): Molecular catalysis science: Perspective on unifying the fields of catalysis. In: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 113 Issue: 19 Pages: 5159-5166, WOS

ADCA572 ROSÍK, Jozef. Structural features of the polysaccharide of apricot gum in dependence on the infection with fungi, application of a synthetic material and vegetative period. In Acta Horticulturae, 1968, vol. 11, p. 523-528. ISSN 0567-7572.

Citácie:

1. [1.1] Bouaziz, F (Bouaziz, Fatma); Koubaa, M (Koubaa, Mohamed); Ghorbel, RE (Ghorbel, Raoudha Ellouz); Chaabouni, SE (Chaabouni, Semia Ellouz): Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 535-545, WOS
2. [1.1] Taheri, MM (Taheri, Mohammad Mahdi); Kadir, MRA (Kadir, Mohammed Rafiq Abdul); Shafiai, NKA (Shafiai, Noor Kamila Ahmad); Shokuhfar, T (Shokuhfar, Tolou); Assadian, M (Assadian, Mahtab); Shirdar, MR (Shirdar, Mostafa Rezazadeh): Green synthesis of silver nanoneedles using shallot and apricot tree gum. In: TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA Volume: 25 Issue: 10 Pages: 3286-3290, WOS

ADCA573 ROSÍK, Jozef - ZITKO, V. - KUBALA, Jozef. Structure of sour cherry-tree gum (Prunus cerasus L.). In Collection of Czechoslovak Chemical Communications, 1966, vol. 31, p. 1569-1577. ISSN 0010-0765.

Citácie:
1. [1.1] Bouaziz, F (Bouaziz, Fatma); Koubaa, M (Koubaa, Mohamed); Ghorbel, RE (Ghorbel, Raoudha Ellouz); Chaabouni, SE (Chaabouni, Semia Ellouz): Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 535-545, WOS

ADCA574 RUDD, T.R. - SKIDMORE, M.A. - GUERRINI, M. - HRICOVÍNI, Miloš - POWELL, A.K. - SILIGARDI, G. - YATES, E.A. The conformation and structure of GAGs: recent progress and perspectives. In Current Opinion in Structural Biology, 2010, vol. 20, p. 567-574. (9.344 - IF2009). (2010 - Current Contents). ISSN 0959-440X.

Citácie:
1. [1.1] Li, XJ (Li, Xiao-Jun); Bao, WR (Bao, Wan-Rong); Leung, CH (Leung, Chung-Hang); Ma, DL (Ma, Dik-Lung); Zhang, G (Zhang, Ge); Lu, AP (Lu, Ai-Ping); Wang, SC (Wang, Shun-Chun); Han, QB (Han, Quan-Bin): Chemical Structure and Immunomodulating Activities of an alpha-Glucan Purified from Lobelia chinensis Lour. In: MOLECULES Volume: 21 Issue: 6 Article Number: 779, WOS
2. [1.1] Miura, Y (Miura, Yoshiko); Fukuda, T (Fukuda, Tomohiro); Seto, H (Seto, Hirokazu); Hoshino, Y (Hoshino, Yu): Development of glycosaminoglycan mimetics using glycopolymers. In: POLYMER JOURNAL Volume: 48 Issue: 3 Pages: 229-237, WOS
3. [1.1] Mulloy, B (Mulloy, Barbara); Hogwood, J (Hogwood, John); Gray, E (Gray, Elaine); Lever, R (Lever, Rebecca); Page, CP (Page, Clive P.): Pharmacology of Heparin and Related Drugs. In: PHARMACOLOGICAL REVIEWS Volume: 68 Issue: 1 Pages: 76-141, WOS
4. [1.2] Karthik, R., & Saravanan, R. (2016). Proteoglycans from marine sponges and their biomedical applications. In Marine sponges: Chemicobiological and biomedical applications (Springer, chapter 13, pp. 287-304), SCOPUS

ADCA575 RUDD, T.R. - YATES, E.A. - HRICOVÍNI, Miloš. Spectroscopic and Theoretical Approaches for the Determination of Heparin Saccharide Structure and the Study of Protein-Glycosaminoglycan Complexes in Solution. Miloš Hricovíni. In Current Medicinal Chemistry, 2009, vol.16, pp.4750-4766. (4.823 - IF2008). (2009 - Current Contents). ISSN 0929-8673.

Citácie:
1. [1.1] Kapaev, RR (Kapaev, Roman R.); Toukach, PV (Toukach, Philip V.): Simulation of 2D NMR Spectra of Carbohydrates Using GODESS Software. In: JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 56 Issue: 6 Special Issue: SI Pages: 1100-1104, WOS

ADCA576 RUMBOLD, K. - BIELY, Peter - MASTIHUBOVÁ, Mária - GUDELJ, M. - GUBITZ, G. - ROBRA, K.-H. - PRIOR, B.A. Purification and properties of a feruloyl esterase involved in lignocellulose degradation by Aureobasidium pullulans. In Applied and Environmental Microbiology, 2003, vol. 69, p. 5622-5626. (3.691 - IF2002). (2003 - Current Contents). ISSN 0099-2240.

Citácie:
1. [1.1] Nieter, A (Nieter, Annabel); Kelle, S (Kelle, Sebastian); Linke, D (Linke, Diana); Berger, RG (Berger, Ralf G.): Feruloyl esterases from Schizophyllum commune to treat food industry side-streams. In: BIORESOURCE TECHNOLOGY Volume: 220 Pages: 38-46, WOS
2. [1.1] Rich, JO (Rich, Joseph O.); Manitchotpisit, P (Manitchotpisit, Pennapa); Peterson, SW (Peterson, Stephen W.); Liu, SQ (Liu, Siqing); Leathers, TD (Leathers, Timothy D.); Anderson, AM (Anderson, Amber M.): Phylogenetic classification of Aureobasidium pullulans strains for production of feruloyl esterase. In: BIOTECHNOLOGY LETTERS Volume: 38 Issue: 5 Pages: 863-870, WOS
3. [1.1] Wang, L (Wang, Li); Li, Z (Li, Zhuang); Zhu, MJ (Zhu, Mengjuan); Meng, L (Meng, Li); Wang, HX (Wang, Hexiang); Ng, TB (Ng, Tzi Bun): An acidic feruloyl esterase from the mushroom Lactarius hatsudake: A potential animal feed supplement. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 290-295, WOS
4. [1.2] Kohli, P., & Gupta, R. (2016). Medical aspects of esterases: A mini review. International

Journal of Pharmacy and Pharmaceutical Sciences, 8(8), 21-26, SCOPUS
5. [1.2] Szewczyk, K., & Grzywa-Celińska, A. (2016). Antioxidant and cytotoxic activities of phenolic acids and their role in the anticancer therapies. In Phenolic acids: Properties, food sources and health effects (Nova Science Publishers, chapter 5, pp. 61-104), SCOPUS

ADCA577 RYABOVÁ, Olena - VRŠANSKÁ, Mária - KANEKO, S. - VAN ZYL, W.H. - BIELY, Peter. A novel family of hemicellulolytic α-glucuronidase. In FEBS Letters, 2009, vol. 583, p. 1457-1462. (3.264 - IF2008). (2009 - Current Contents). ISSN 0014-5793.

Citácie:
1. [1.1] Conway, JM (Conway, Jonathan M.); Zurawski, JV (Zurawski, Jeffrey V.); Lee, LL (Lee, Laura L.); Blumer-Schuette, SE (Blumer-Schuette, Sara E.); Kelly, RM (Kelly, Robert M.): Lignocellulosic Biomass Deconstruction by the Extremely Thermophilic Genus Caldicellulosiruptor. In: THERMOPHILIC MICROORGANISMS Pages: 91-119 Published: 2015, WOS
2. [1.1] Martinez, PM (Martinez, Patricia Murciano); Appeldoorn, MM (Appeldoorn, Maaike M.); Gruppen, H (Gruppen, Harry); Kabel, MA (Kabel, Mirjam A.): The two Rasamsonia emersonii alpha-glucuronidases, ReGH67 and ReGH115, show a different mode-of-action towards glucuronoxylan and glucuronoxylo-oligosaccharides. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 105, WOS
3. [1.1] Rhee, MS (Rhee, Mun Su); Wei, LS (Wei, Lusha); Sawhney, N (Sawhney, Neha); Kim, YS (Kim, Young Sik); Rice, JD (Rice, John D.); Preston, JF (Preston, James F.): Metabolic potential of Bacillus subtilis 168 for the direct conversion of xylans to fermentation products. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 3 Pages: 1501-1510, WOS
4. [1.1] Selim, Samy: Molecular Characterization of Thermostable xylanase Producing Thermoactinomyces vulgaris HSB4. In: Journal of Pure and Applied Microbiology Volume: 10 Issue: 3 Pages: 1965-1969, WOS
5. [1.1] Wang, WJ (Wang, Weijun); Yan, RY (Yan, Ruoyu); Nocek, BP (Nocek, Boguslaw P.); Vuong, TV (Vuong, Thu V.); Di Leo, R (Di Leo, Rosa); Xu, XH (Xu, Xiaohui); Cui, H (Cui, Hong); Gatenholm, P (Gatenholm, Paul); Toriz, G (Toriz, Guillermo); Tenkanen, M (Tenkanen, Maija); Savchenko, A (Savchenko, Alexei); Master, ER (Master, Emma R.): Biochemical and Structural Characterization of a Five-domain GH115-Glucuronidase from the Marine Bacterium Saccharophagus degradans 2-40(T). In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 27 Pages: 14120-14133, WOS
6. [1.2] Bajwa, P. K., Harrington, S., Dashtban, M., & Lee, H. (2016). Expression and characterization of glycosyl hydrolase family 115 α-glucuronidase from scheffersomyces stipitis. Industrial Biotechnology, 12(2), 98-104, SCOPUS
7. [1.2] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, chapter 20, pp. 809-895), SCOPUS
8. [1.2] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190), SCOPUS

ADCA578 SADOVSKAYA, I. - VINOGRADOV, E. - FLAHAUT, S. - KOGAN, Grigorij - JABBOURI, S. Extracellular carbohydrate-containing polymers of a model biofilm-producing strain. Staphylococcus epidermidis RP62A. In Infection and Immunity, 2005, vol. 73, p. 3007-3017. ISSN 0019-9567.

Citácie:
1. [1.1] Brauge, T (Brauge, Thomas); Sadovskaya, I (Sadovskaya, Irina); Faille, C (Faille, Christine); Benezech, T (Benezech, Thierry); Maes, E (Maes, Emmanuel); Guerardel, Y (Guerardel, Yann); Midelet-Bourdin, G (Midelet-Bourdin, Graziella):Teichoic acid is the major polysaccharide present in the Listeria monocytogenes biofilm matrix . In: FEMS MICROBIOLOGY LETTERS Volume: 363 Issue: 2 Article Number: fnv229, WOS
2. [1.1] Dakheel, KH (Dakheel, Khulood Hamid); Rahim, RA (Rahim, Raha Abdul); Neela, VK (Neela, Vasantha Kumari); Al-Obaidi, JR (Al-Obaidi, Jameel R.); Hun, TG (Hun, Tan Geok); Yusoff, K (Yusoff, Khatijah): Methicillin-Resistant Staphylococcus aureus Biofilms and Their Influence on Bacterial Adhesion and Cohesion. In: BIOMED RESEARCH INTERNATIONAL Article Number: 4708425, WOS
3. [1.1] Ganesan, M (Ganesan, Mahesh); Knier, S (Knier, Steven); Younger, JG (Younger, John G.); Solomon, MJ (Solomon, Michael J.): Associative and Entanglement Contributions to the Solution Rheology of a Bacterial Polysaccharide. In: MACROMOLECULES Volume: 49 Issue: 21 Pages: 8313-8321, WOS
4. [1.1] Grundling, A (Grundling, Angelika): Cell Wall Assembly and Physiology. In: STAPHYLOCOCCUS: GENETICS AND PHYSIOLOGY Pages: 133-170, WOS
5. [1.1] Li, TT (Li, Tongtong); Zhang, LH (Zhang, Lihai); Han, L (Han, Li); Wang, GQ (Wang,

Guoqi); Yin, P (Yin, Peng); Li, ZR (Li, Zhirui); Zhang, LC (Zhang, Licheng); Guo, Q (Guo, Qi); Liu, DH (Liu, Daohong); Tang, PF (Tang, Peifu): Early application of negative pressure wound therapy to acute wounds contaminated with Staphylococcus aureus: An effective approach to preventing biofilm formation. In: EXPERIMENTAL AND THERAPEUTIC MEDICINE Volume: 11 Issue: 3 Pages: 769-776, WOS
6. [1.1] Paharik, AE (Paharik, Alexandra E.); Horswill, AR (Horswill, Alexander R.): The Staphylococcal Biofilm: Adhesins, Regulation, and Host Response. In: MICROBIOLOGY SPECTRUM Volume: 4 Issue: 2 Article Number: UNSP VMBF-0022-2015, WOS
7. [1.1] Schwartbeck, B (Schwartbeck, Bianca); Birtel, J (Birtel, Johannes); Treffon, J (Treffon, Janina); Langhanki, L (Langhanki, Lars); Mellmann, A (Mellmann, Alexander); Kale, D (Kale, Devika); Kahl, J (Kahl, Janina); Hirschhausen, N (Hirschhausen, Nina); Neumann, C (Neumann, Claudia); Lee, JC (Lee, Jean C.); Gotz, F (Goetz, Friedrich); Rohde, H (Rohde, Holger); Henke, H (Henke, Hanae); Kuster, P (Kuester, Peter); Peters, G (Peters, Georg); Kahl, BC (Kahl, Barbara C.): Dynamic in vivo mutations within the ica operon during persistence of Staphylococcus aureus in the airways of cystic fibrosis patients. In: PLOS PATHOGENS Volume: 12 Issue: 11 Article Number: e1006024, WOS
8. [1.2] Parkunan, S. M., & Callegan, M. C. (2016). The pathogenesis of bacterial endophthalmitis. In Endophthalmitis (Springer, chapter 2, pp. 17-47), SCOPUS

ADCA579 SAHA, Sudipta - NOSÁĽOVÁ, Gabriela - GHOST, Debjani - FLEŠKOVÁ, Dana - CAPEK, Peter - RAY, Bimalendu. Structural features and in vivo antitussive activity of the water extracted polymer from Glycyrrhiza glabra. In International Journal of Biological Macromolecules, 2011, vol. 48, p. 634-638. (2.502 - IF2010). (2011 - Current Contents). ISSN 0141-8130.

Citácie:
1. [1.1] Ayrle, H (Ayrle, Hannah); Mevissen, M (Mevissen, Meike); Kaske, M (Kaske, Martin); Nathues, H (Nathues, Heiko); Gruetzner, N (Gruetzner, Niels); Melzig, M (Melzig, Matthias); Walkenhorst, M (Walkenhorst, Michael): Medicinal plants - prophylactic and therapeutic options for gastrointestinal and respiratory diseases in calves and piglets? A systematic review. In: BMC VETERINARY RESEARCH Volume: 12 Article Number: 89, WOS
2. [1.1] Guo, T (Guo, Tao); Wei, JQ (Wei, Jun Qing); Ma, JP (Ma, Jian Ping): Antitussive and expectorant activities of Potentilla anserina. In: PHARMACEUTICAL BIOLOGY Volume: 54 Issue: 5 Pages: 807-811, WOS
3. [1.1] Lim, T. K. (2016). In Edible medicinal and non-medicinal plants, Volume 10: Modified Stems, Roots, Bulbs (Springer, pp. 1-659), SCOPUS

ADCA580 SHAO, J. - ZHANG, J. - NAHÁLKA, Jozef - WANG, P.G. Biocatalytic synthesis of uridine 5'-diphosphate N-acetylglucosamine by multiple enzymes co-immobilized on agarose beads. In Chemical Communication, 2002, vol. 2002, p. 2586-2587. ISSN 1359-7345.

Citácie:
1. [1.1] Lemmerer, M (Lemmerer, Martin); Schmolzer, K (Schmoelzer, Katharina); Gutmann, A (Gutmann, Alexander); Nidetzky, B (Nidetzky, Bernd): Downstream Processing of Nucleoside-Diphospho-Sugars from Sucrose Synthase Reaction Mixtures at Decreased Solvent Consumption. In: ADVANCED SYNTHESIS & CATALYSIS Volume: 358 Issue: 19 Pages: 3113-3122, WOS

ADCA581 SHIPP, M. - NADELLA, R. - GAO, H. - FARKAŠ, Vladimír - SIGRIST, H. - FAIK, A. Glyco-array technology for efficient monitoring of plant cell wall glycosyltransferase activities. In Glycoconjugate journal, 2008, vol. 25, p. 49-58. (2008 - Current Contents). ISSN 0282-0080.

Citácie:
1. [1.1] Wolf, JR (Wolf, Jeremy R.): Review: radiolabeled polymers containing covalently bound H-3 and C-14. In: JOURNAL OF LABELLED COMPOUNDS & RADIOPHARMACEUTICALS Volume: 59 Issue: 2 Pages: 38-47, WOS
2. [1.2] Wu, C. Y., & Chang, S. H. (2015). Discoveries and applications of glycan arrays. In Glycochemical synthesis: Strategies and applications (John Wiley & Sons, chapter 15, pp. 407-424), SCOPUS

ADCA582 SHLEEV, S. - TKÁČ, Ján - CHRISTENSON, A. - BUZGAS, T. - YAROPOLOV, A.I. - WHITTAKER, J.W. - GORTON, L. Direct electron transfer between copper-containing proteins and electrodes. In Biosensors and Bioelectronics, 2005, vol. 20, p. 2517-2554.

Citácie:
1. [1.1] Ameur, I (Ameur, Iness); Dkhili, S (Dkhili, Samiha); Sbihi, H (Sbihi, Hassen); Besbes-Hentati, S (Besbes-Hentati, Salma); Rzaigui, M (Rzaigui, Mohamed); Abid, S (Abid, Sonia): A Cadmium Coordination Polymer Based on Phosphate Clusters: Synthesis, Crystal Structure, Electrochemical Investigation and Antibacterial Activity. In: JOURNAL OF CLUSTER SCIENCE Volume: 27 Issue: 2 Pages: 537-550, WOS
2. [1.1] Campbell, AS (Campbell, Alan S.); Murata, H (Murata, Hironobu); Carmali, S (Carmali, Sheiliza); Matyjaszewski, K (Matyjaszewski, Krzysztof); Islam, MF (Islam, Mohammad F.); Russell, AJ (Russell, Alan J.): Polymer-based protein engineering grown ferrocene-containing

redox polymers improve current generation in an enzymatic biofuel cell. In: BIOSENSORS & BIOELECTRONICS Volume: 86 Pages: 446-453, WOS
3. [1.1] Dai, JN (Dai, Jianan); Wang, HX (Wang, Hongxia); Chi, H (Chi, Hui); Wang, YY (Wang, Yingying); Zhao, JX (Zhao, Jingxiang): Immobilization of laccase from Pleurotus ostreatus on magnetic separable SiO2 support and excellent activity towards azo dye decolorization. In: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Volume: 4 Issue: 2 Pages: 2585-2591, WOS
4. [1.1] Das, P (Das, Priyanki); Das, M (Das, Madhuri); Chinnadayyala, SR (Chinnadayyala, Somasekhar R.); Singha, IM (Singha, Irom Manoj); Goswami, P (Goswami, Pranab): Recent advances on developing 3rd generation enzyme electrode for biosensor applications. In: BIOSENSORS & BIOELECTRONICS Volume: 79 Pages: 386-397, WOS
5. [1.1] Du, C (Du, Cheng); Gao, XH (Gao, Xiaohui); Chen, W (Chen, Wei): Recent developments in copper-based, non-noble metal electrocatalysts for the oxygen reduction reaction. In: CHINESE JOURNAL OF CATALYSIS Volume: 37 Issue: 7 Special Issue: SI Pages: 1049-1061, WOS
6. [1.1] Fan Li-Li; Zhao Min; Wang Yan; Wang Jue-Yu; Sun Ming-Hui: Characterization of the Enzymatic Kinetics and Function of Thermostable Recombinant CotA as Bilirubin Oxidase. In: : Zhongguo Shengwu Huaxue yu Fenzi Shengwu Xuebao Volume: 32 Issue: 7 Pages: 807-815, WOS
7. [1.1] Hickey, DP (Hickey, David P.); Milton, RD (Milton, Ross D.); Rasmussen, M (Rasmussen, Michelle); Abdellaoui, S (Abdellaoui, Sofiene); Nguyen, K (Khiem Nguyen); Minteer, SD (Minteer, Shelley D.): Fundamentals and applications of bioelectrocatalysis. In: : ELECTROCHEMISTRY, VOL 13 Book Series Title: Electrochemistry-A Specialist Periodical Report Volume: 13 Pages: 97-132, WOS
8. [1.1] Lalaoui, N (Lalaoui, Noemie); David, R (David, Rolf); Jamet, H (Jamet, Helene); Holzinger, M (Holzinger, Michael); Le Goff, A (Le Goff, Alan); Cosnier, S (Cosnier, Serge): Hosting Adamantane in the Substrate Pocket of Laccase: Direct Bioelectrocatalytic . In: ACS CATALYSIS Volume: 6 Issue: 7 Pages: 4259-4264, WOS
9. [1.1] Lee, SW (Lee, Seung-Woo); Lee, KY (Lee, Ki-Young); Song, YW (Song, Yong-Won); Choi, WK (Choi, Won Kook); Chang, J (Chang, Joonyeon); Yi, H (Yi, Hyunjung): Direct Electron Transfer of Enzymes in a Biologically Assembled Conductive Nanomesh Enzyme Platform. In: ADVANCED MATERIALS Volume: 28 Issue: 8 Pages: 1577-1584, WOS
10. [1.1] Licsandru, ED (Licsandru, Erol-Dan); Schneider, S (Schneider, Susanne); Tingry, S (Tingry, Sophie); Ellis, T (Ellis, Thomas); Moulin, E (Moulin, Emilie); Maaloum, M (Maaloum, Mounir); Lehn, JM (Lehn, Jean-Marie); Barboiu, M (Barboiu, Mihail); Giuseppone, N (Giuseppone, Nicolas): Self-assembly of supramolecular triarylamine nanowires in mesoporous silica and biocompatible electrodes thereof. In: NANOSCALE Volume: 8 Issue: 10 Pages: 5605-5611, WOS
11. [1.1] Majdecka, D (Majdecka, Dominika); Bilewicz, R (Bilewicz, Renata): Nanostructuring carbon supports for optimal electrode performance in biofuel cells and hybrid fuel cells. In: JOURNAL OF SOLID STATE ELECTROCHEMISTRY Volume: 20 Issue: 4 Special Issue: SI Pages: 949-955, WOS
12. [1.1] Parlak, O (Parlak, Onur); Turner, APF (Turner, Anthony P. F.): Switchable bioelectronics. In: BIOSENSORS & BIOELECTRONICS Volume: 76 Special Issue: SI Pages: 251-265, WOS
13. [1.1] Reid, RC (Reid, Russell C.); Jones, SR (Jones, Sean R.); Hickey, DP (Hickey, David P.); Minteer, SD (Minteer, Shelley D.); Gale, BK (Gale, Bruce K.): Modeling Carbon Nanotube Connectivity and Surface Activity in a Contact Lens Biofuel Cell. In: ELECTROCHIMICA ACTA Volume: 203 Pages: 30-40, WOS
14. [1.1] Sekretaryova, AN (Sekretaryova, Alina N.); Vagin, MY (Vagin, Mikhail Yu.); Turner, APF (Turner, Anthony P. F.); Eriksson, M (Eriksson, Mats): Electrocatalytic Currents from Single Enzyme Molecules. In: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 138 Issue: 8 Pages: 2504-2507, WOS
15. [1.1] So, K (So, Keisei); Kitazumi, Y (Kitazumi, Yuki); Shirai, O (Shirai, Osamu); Nishikawa, K (Nishikawa, Koji); Higuchi, Y (Higuchi, Yoshiki); Kano, K (Kano, Kenji): Direct electron transfer-type dual gas diffusion H-2/O-2 biofuel cells. In: JOURNAL OF MATERIALS CHEMISTRY A Volume: 4 Issue: 22 Pages: 8742-8749, WOS
16. [1.1] So, K (So, Keisei); Onizuka, M (Onizuka, Maki); Komukai, T (Komukai, Takuji); Kitazumi, Y (Kitazumi, Yuki); Shirai, O (Shirai, Osamu); Kano, K (Kano, Kenji): Binder/surfactant-free biocathode with bilirubin oxidase for gas-diffusion-type system. In: ELECTROCHEMISTRY COMMUNICATIONS Volume: 66 Pages: 58-61, WOS
17. [1.1] So, K (So, Keisei); Onizuka, M (Onizuka, Maki); Komukai, T (Komukai, Takuji); Kitazumi, Y (Kitazumi, Yuki); Shirai, O (Shirai, Osamu); Kano, K (Kano, Kenji): Significance of the Length of Carbon Nanotubes on the Bioelectrocatalytic Activity of Bilirubin Oxidase for

Dioxygen Reduction. In: ELECTROCHIMICA ACTA Volume: 192 Pages: 133-138, WOS
18. [1.1] Sun, HF (Sun, Hongfei); Huang, WG (Huang, Wenguang); Yang, H (Yang, Hua); Zhang, SJ (Zhang, Shujuan): Co-immobilization of laccase and mediator through a self-initiated one-pot process for enhanced conversion of malachite green. In: JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 471 Pages: 20-28, WOS
19. [1.1] Tominaga, M (Tominaga, Masato); Sasaki, A (Sasaki, Aiko); Togami, M (Togami, Makoto): Bioelectrocatalytic Oxygen Reaction and Chloride Inhibition Resistance of Laccase Immobilized on Single-walled Carbon Nanotube and Carbon Paper Electrodes. In: ELECTROCHEMISTRY Volume: 84 Issue: 5 Pages: 315-318, WOS
20. [1.1] Traunsteiner, C (Traunsteiner, Christoph); Sek, S (Sek, Slawomir); Huber, V (Huber, Veronika); Valero-Vidal, C (Valero-Vidal, Carlos); Kunze-Liebhauser, J (Kunze-Liebhaeuser, Julia): Laccase immobilized on a mixed thiol monolayer on Au(111) - structure-dependent activity towards oxygen reduction. In: ELECTROCHIMICA ACTA Volume: 213 Pages: 761-770, WOS
21. [1.1] Wang, FF (Wang, Fei-Fei); Wei, PJ (Wei, Ping-Jie); Yu, GQ (Yu, Guo-Qiang); Liu, JG (Liu, Jin-Gang): Titanium Dioxide-Grafted Copper Complexes: High-Performance Electrocatalysts for the Oxygen Reduction Reaction in Alkaline Media. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 1 Pages: 382-389, WOS
22. [1.1] Wang, T (Wang, Tao); Milton, RD (Milton, Ross D.); Abdellaoui, S (Abdellaoui, Sofiene); Hickey, DP (Hickey, David P.); Minteer, SD (Minteer, Shelley D.): Laccase Inhibition by Arsenite/Arsenate: Determination of Inhibition Mechanism and Preliminary Application to a Self-Powered Biosensor. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 6 Pages: 3243-3248, WOS
23. [1.1] Xia, HQ (Xia, Hong-qi); So, K (So, Keisei); Kitazumi, Y (Kitazumi, Yuki); Shirai, O (Shirai, Osamu); Nishikawa, K (Nishikawa, Koji); Higuchi, Y (Higuchi, Yoshiki); Kano, K (Kano, Kenji): Dual gas-diffusion membrane- and mediatorless dihydrogen/air-breathing biofuel cell operating at room temperature. In: JOURNAL OF POWER SOURCES Volume: 335 Pages: 105-112, WOS
24. [1.1] Xie, J (Xie, Jia); Chen, C (Chen, Chao); Zhou, YQ (Zhou, Yuanqing); Fei, JJ (Fei, Junjie); Ding, YL (Ding, Yonglan); Zhao, J (Zhao, Jia): A Galactose Oxidase Biosensor Based on Graphene Composite Film for the Determination of Galactose and Dihydroxyacetone. In: ELECTROANALYSIS Volume: 28 Issue: 1 Special Issue: SI Pages: 183-188, WOS
25. [1.1] Zor, E (Zor, Erhan); Oztekin, Y (Oztekin, Yasemin); Ramanaviciene, A (Ramanaviciene, Almira); Anusevicius, Z (Anusevicius, Zilvinas); Voronovic, J (Voronovic, Jaroslav); Bingol, H (Bingol, Haluk); Barauskas-Memenas, D (Barauskas-Memenas, Dana); Labanauskas, L (Labanauskas, Linas); Ramanavicius, A (Ramanavicius, Arunas): Evaluation of 1,10-phenanthroline-5,6-dione as redox mediator for glucose oxidase. In: JOURNAL OF ANALYTICAL CHEMISTRY Volume: 71 Issue: 1 Pages: 77-81, WOS
26. [1.2] Tominaga, M., Sasaki, A., Tsushida, M., & Togami, M. (2016). Biosurfactant functionalized single-walled carbon nanotubes to promote laccase bioelectrocatalysis. New Journal of Chemistry, 41(1), 231-236, SCOPUS
27. [1.2] Zhang, C., Zhang, F., Zhou, P., & Zhang, C. (2016). Functional role of metalloproteins in genome stability. Frontiers in Biology, 11(2), 119-131, SCOPUS

ADCA583 SCHENKMAYEROVÁ, Andrea - BUČKO, Marek - GEMEINER, Peter - TREĽOVÁ, Dušana - LACÍK, Igor - CHORVÁT, Dušan Jr. - AČAI, Pavel - POLAKOVIČ, Milan - LIPTÁK, Lukáš - REBROŠ, Martin - ROSENBERG, Michal - ŠTEFUCA, Vladimír - NEDĚLA, Vilém - TIHLAŘÍKOVÁ, Eva. Physical and bioengineering properties of polyvinyl alcohol lens-shaped particles versus spherical polyelectrolyte complex microcapsules as immobilisation matrices for a whole-cell Baeyer-Villiger monooxygenase. In Applied Biochemistry and Biotechnology, 2014, vol. 174, p. 1834-1849. (1.687 - IF2013). (2014 - Current Contents). ISSN 0273-2289.

Citácie:

1. [1.1] WACHTMEISTER, J. - ROTHER, D. Recent advances in whole cell biocatalysis techniques bridging from investigative to industrial scale. In CURRENT OPINION IN BIOTECHNOLOGY. ISSN 0958-1669, DEC 2016, vol. 42, p. 169-177., WOS

ADCA584 SCHENKMAYEROVÁ, Andrea - BERTÓKOVÁ, Anikó, Illésová - ŠEFČOVIČOVÁ, Jana, Blahutová - ŠTEFUCA, Vladimír - BUČKO, Marek - VIKARTOVSKÁ, Alica, Welwardová - GEMEINER, Peter - TKÁČ, Ján - KATRLÍK, Jaroslav. Whole-cell Gluconobacter oxydans biosensor for 2-phenylethanol biooxidation monitoring. In Analytica Chimica Acta, 2015, vol. 854, p. 140-144. (4.513 - IF2014). (2015 - Current Contents). ISSN 0003-2670.

Citácie:

1. [1.1] Kosciow, K (Kosciow, Konrad); Domin, C (Domin, Claudia); Schweiger, P (Schweiger, Paul); Deppenmeier, U (Deppenmeier, Uwe): Extracellular targeting of an active endoxylanase by a TolB negative mutant of Gluconobacter oxydans. In: JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY Volume: 43 Issue: 7 Pages: 989-999, WOS

2. [1.2] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016). Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS
3. [1.2] Veloso, A. C., & Ferreira, E. C. (2016). Online analysis for industrial bioprocesses: Broth analysis. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 23, pp. 679-704), SCOPUS

ADCA585 SCHENKMAYEROVÁ, Andrea - BUČKO, Marek - GEMEINER, Peter - KATRLÍK, Jaroslav. Microbial monooxygenase amperometric biosensor for monitoring of Baeyer–Villiger biotransformation. In Biosensors and Bioelectronic, 2013, vol. 50, p. 235-238. ISSN 0956-5663.

Citácie:

1. [1.1] Si, RW (Si, Rong-Wei); Yang, Y (Yang, Yuan); Yu, YY (Yu, Yang-Yang); Han, S (Han, Song); Zhang, CL (Zhang, Chun-Lian); Sun, DZ (Sun, De-Zhen); Zhai, DD (Zhai, Dan-Dan); Liu, X (Liu, Xiang); Yong, YC (Yong, Yang-Chun): Wiring Bacterial Electron Flow for Sensitive Whole-Cell Amperometric Detection of Riboflavin. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 22 Pages: 11222-11228, WOS

ADCA586 SCHMIDT, M.E.G. - BIELY, Peter - KRÁTKY, Z. - SCHWARZ, R. Metabolism of 2-deoxy-2-fluoro-D-3H-glucose and 2-deoxy-2-fluoro-D-3H-mannose in yeast and chick-embryo cells. In European Journal of Biochemistry, 1978, vol. 87, p. 55-68. ISSN 0014-2956.

Citácie:

1. [1.1] Fatangarer, A (Fatangarer, Amol); Svatos, A (Svatos, Ales): Applications of 2-deoxy-2-fluoro-D-glucose (FDG) in Plant Imaging: Past, Present, and Future. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 483, WOS
2. [1.1] Kavaliauskiene, S (Kavaliauskiene, Simona); Torgersen, ML (Torgersen, Maria Lyngaas); Lingelem, ABD (Lingelem, Anne Berit Dyve); Klokk, TI (Klokk, Tove Irene); Lintonen, T (Lintonen, Tuulia); Simolin, H (Simolin, Helena); Ekroos, K (Ekroos, Kim); Skotland, T (Skotland, Tore); Sandvig, K (Sandvig, Kirsten): Cellular effects of fluorodeoxyglucose: Global changes in the lipidome and alteration in intracellular transport. In: ONCOTARGET Volume: 7 Issue: 48 Pages: 79885-79900, WOS

ADCA587 SCHMITZOVA, J. - KLAUDINY, Jaroslav - ALBERT, S. - SCHRODER, W. - SCHRECKENGOST W. - HANES, Jozef - JÚDOVÁ, J. - ŠIMÚTH, Jozef. A family of major royal jelly proteins of the honeybee Apis mellifera L. In Cellular and Molecular Life Sciences : (CMLS), 1998, vol. 54, p.1020-1030. ISSN 1420-682X.

Citácie:

1. [1.1] Bucekova, M (Bucekova, Marcela); Majtan, J (Majtan, Juraj): The MRJP1 honey glycoprotein does not contribute to the overall antibacterial activity of natural honey. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 4 Pages: 625-629, WOS
2. [1.1] Buttstedt, A (Buttstedt, Anja); Ihling, CH (Ihling, Christian H.); Pietzsch, M (Pietzsch, Markus); Moritz, RFA (Moritz, Robin F. A.): Royalactin is not a royal making of a queen. In: NATURE Volume: 537 Issue: 7621 Pages: E10-E12, WOS
3. [1.1] Chen, D (Chen, Di); Xin, XX (Xin, Xiao-xuan); Qian, HC (Qian, Hao-cheng); Yu, ZY (Yu, Zhang-yin); Shen, LR (Shen, Li-rong): Evaluation of the major royal jelly proteins as an alternative to fetal bovine serum in culturing human cell lines. In: JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B Volume: 17 Issue: 6 Pages: 476-483, WOS
4. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS
5. [1.1] Furusawa, T (Furusawa, Takako); Arai, Y (Arai, Yasuko); Kato, K (Kato, Kenji); Ichihara, K (Ichihara, Kenji): Quantitative Analysis of Apisin, a Major Protein Unique to Royal Jelly. In: EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE Article Number: 5040528, WOS
6. [1.1] Kohno, H (Kohno, Hiroki); Suenami, S (Suenami, Shota); Takeuchi, H (Takeuchi, Hideaki); Sasaki, T (Sasaki, Tetsuhiko); Kubo, T (Kubo, Takeo): Production of Knockout Mutants by CRISPR/Cas9 in the European Honeybee, Apis mellifera L.. In: ZOOLOGICAL SCIENCE Volume: 33 Issue: 5 Pages: 505-512, WOS
7. [1.1] Matysiak, J (Matysiak, Jan); Hajduk, J (Hajduk, Joanna); Mayer, F (Mayer, Franz); Hebeler, R (Hebeler, Romano); Kokot, ZJ (Kokot, Zenon J.): Hyphenated LC-MALDI-ToF/ToF and LC-ESI-QToF approach in proteomic characterization of honeybee venom. In: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 121 Pages: 69-76, WOS
8. [1.1] Miranda, MA (Miranda, Miguel Angel); Bicout, D (Bicout, Dominique); Botner, A (Botner, Anette); Butterworth, A (Butterworth, Andrew); Calistri, P (Calistri, Paolo); Depner, K (Depner, Klaus); Edwards, S (Edwards, Sandra); Garin-Bastuji, B (Garin-Bastuji, Bruno); Good, M (Good, Margaret); Schmidt, CG (Schmidt, Christian Gortazar); Michel, V (Michel, Virginie);

More, S (More, Simon); Nielsen, SS (Nielsen, Soren Saxmose); Raj, M (Raj, Mohan); Sihvonen, L (Sihvonen, Lisa); Spoolder, H (Spoolder, Hans); Stegeman, JA (Stegeman, Jan Arend); Thulke, HH (Thulke, Hans H.); Velarde, A (Velarde, Antonio); Willeberg, P (Willeberg, Preben); Winckler, C (Winckler, Christoph): Assessing the health status of managed honeybee colonies (HEALTHY-B): a toolbox to facilitate harmonised data collection. In: EFSA JOURNAL Volume: 14 Issue: 10 Article Number: UNSP 4578, WOS

9. [1.1] Ostrovski-Tomporoski, K (Ostrovski-Tomporoski, Katia); Faquinello, P (Faquinello, Patricia); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Ruvolo-Takasusuki, MC (Ruvolo-Takasusuki, Maria Claudia); Santos, PD (Santos, Pedro da Rosa); de Toledo, VA (de Toledo, Vagner Arnaut): Breeding Program Design Principles for Royal Jelly. In: BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 39-62, WOS

10. [1.1] Poley, JD (Poley, Jordan D.); Sutherland, BJG (Sutherland, Ben J. G.); Jones, SRM (Jones, Simon R. M.); Koop, BF (Koop, Ben F.); Fast, MD (Fast, Mark D.): Sex-biased gene expression and sequence conservation in Atlantic and Pacific salmon lice (Lepeophtheirus salmonis). In: BMC GENOMICS Volume: 17 Article Number: 483, WOS

11. [1.1] Ruvolo-Takasusuki, MCC (Colla Ruvolo-Takasusuki, Maria Claudia); Pozza, APBC (Balista Casagrande Pozza, Arielen Patricia); Oliveira, APNZ (Nunes Zago Oliveira, Ana Paula); Parpinelli, RS (Parpinelli, Rejane Stubs); Costa-Maia, FM (Costa-Maia, Fabiana Martins); Faquinello, P (Faquinello, Patricia); de Toledo, VDA (Arnaut de Toledo, Vagner de Alencar): Improvement and Selection of Honeybees Assisted by Molecular Markers. In: : BEEKEEPING AND BEE CONSERVATION - ADVANCES IN RESEARCH Pages: 63-75, WOS

12. [1.1] Xin, XX (Xin, Xiao-xuan); Chen, Y (Chen, Yong); Chen, D (Chen, Di); Xiao, F (Xiao, Fa); Parnell, LD (Parnell, Laurence D.); Zhao, J (Zhao, Jing); Liu, L (Liu, Liang); Ordovas, JM (Ordovas, Jose M.); Lai, CQ (Lai, Chao-Qiang); Shen, LR (Shen, Li-rong): Supplementation with Major Royal-Jelly Proteins Increases Lifespan, Feeding, and Fecundity in Drosophila. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 29 Pages: 5803-5812, WOS

13. [1.2] Arakane, Y., Noh, Y., Asano, T., & Kramer, K. J. (2016). Tyrosine metabolism for insect cuticle pigmentation and sclerotization. In Extracellular composite matrices in arthropods (Springer, chapter 6, pp. 165-220)., SCOPUS

14. [1.2] Mahmoud, F. A. (2016). Impact of chinese royal jelly on performance, behaviour and some blood parameters in broilers reared under high stocking density. Asian Journal of Animal and Veterinary Advances, 11(10), 620-628, SCOPUS

15. [1.2] Wilde, J., Frączek, R. J., Siuda, M., Bąk, B., Hatjina, F., & Miszczak, A. (2016). The influence of sublethal doses of imidacloprid on protein content and proteolytic activity in honey bees (apis mellifera L.). [Influencia de las dosis subletales de Imidacloprid en el contenido de proteína y la actividad proteolítica en las abejas melíferas (Apis mellifera L.)] Journal of Apicultural Research, 55(2), 212-220, SCOPUS

ADCA588 SCHNITZHOFER, W. - WEBER, H.-J. - VRŠANSKÁ, Mária - BIELY, Peter - CAVACO-PAULO, A. - GUEBITZ, G.M. Purification and mechanistic characterisation of two polygalacturonases from Sclerotium rolfsii. In Enzyme and Microbial Technology, 2007, vol. 40, p. 1739-1747. (1.897 - IF2006). (2007 - Current Contents). ISSN 0141-0229.

Citácie:

1. [1.1] Amid, M (Amid, Mehrnoush); Asmadi, FA (Asmadi, Farhana Azmira); Hussin, M (Hussin, Muhaini); Manap, MY (Manap, Mohd Yazid); Sarker, MZI (Sarker, Md. Zaidul Islam); Hean, CG (Hean, Chong Gun): A novel aqueous micellar two-phase system composed of surfactant and mannitol for purification of polygalacturonase enzyme from Durio zibethinus Murray and recycling phase components. In: SEPARATION SCIENCE AND TECHNOLOGY Volume: 51 Issue: 6 Pages: 968-975, WOS

2. [1.1] Zhao, P (Zhao, Peng); Yamada, A (Yamada, Ayumi); Kakishima, M (Kakishima, Makoto); Ishii, H (Ishii, Hideo): In planta expression profiles and sequence variation of the endopolygalacturonase gene in Venturia nashicola, the causal agent of Asian pear scab. In: TROPICAL PLANT PATHOLOGY Volume: 41 Issue: 2 Pages: 67-77, WOS

ADCA589 SCHNOES, H.K. - BIEMANN, K. - MOKRÝ, J. - KOMPIŠ, I. - CHATTERJEE, A. Strictamine. In Journal of Organic Chemistry, 1966, vol. 31, p. 1641-1642. ISSN 0022-3263.

Citácie:

1. [1.1] Eckermann, R (Eckermann, Ruben); Breunig, M (Breunig, Michael); Gaich, T (Gaich, Tanja): Formal total synthesis of (+/-)-strictamine - the [2,3]-Stevens rearrangement for construction of octahydro-2H-2,8-methanoquinolizines. In: CHEMICAL COMMUNICATIONS Volume: 52 Issue: 76 Pages: 11363-11365, WOS

2. [1.1] Gao, S (Gao, Shang); Wu, ZJ (Wu, Zijun); Fang, XX (Fang, Xinxin); Lin, AJ (Lin, Aijun); Yao, HQ (Yao, Hequan): Palladium-Catalyzed Dearomative Allylic Alkylation of Indoles with Alkynes To Synthesize Indolenines with C3-Quarternary Centers. In: ORGANIC LETTERS

Volume: 18 Issue: 15 Pages: 3906-3909, WOS
3. [1.1] Moreno, J (Moreno, Jesus); Picazo, E (Picazo, Elias); Morrill, LA (Morrill, Lucas A.); Smith, JM (Smith, Joel M.); Garg, NK (Garg, Neil K.).: Enantioselective Total Syntheses of Akuammiline Alkaloids (+)-Strictamine, (-)-2(S)-Cathafoline, and (-)-Aspidophylline A. In: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 138 Issue: 4 Pages: 1162-1165, WOS
4. [1.1] Nishiyama, D (Nishiyama, Daisuke); Ohara, A (Ohara, Ayako); Chiba, H (Chiba, Hiroaki); Kumagai, H (Kumagai, Hiroshi); Oishi, S (Oishi, Shinya); Fujii, N (Fujii, Nobutaka); Ohno, H (Ohno, Hiroaki): Formal Total Synthesis of (+/-)-Strictamine Based on a Gold-Catalyzed Cyclization.In: ORGANIC LETTERS Volume: 18 Issue: 7 Pages: 1670-1673, WOS
5. [1.1] Ren, WW (Ren, Weiwu); Wang, Q (Wang, Qian); Zhu, JP (Zhu, Jieping): Total Synthesis of (+/-)-Strictamine. In: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 55 Issue: 10 Pages: 3500-3503, WOS
6. [1.2] Adams, G. L., & Smith, A. B. (2016). The chemistry of the akuammiline alkaloids. In Alkaloids: Chemistry and Biology, 76, 171-257, SCOPUS
7. [1.2] Manolikakes, G., & Grimmer, J. (2016). Totalsynthese von strictamin. In Nachrichten Aus Der Chemie, 64(7-8), 747-750, SCOPUS

ADCA590 SCHWIKAL, K. - HEINZE, T. - EBRINGEROVÁ, Anna - PETZOLD, K. Cationic xylan derivatives with high degree of functionalization. In Macromolecular Symposia, 2006, vol. 232, p. 49-56. (0.913 - IF2005). ISSN 1022-1360.

Citácie:
1. [1.1] Akil, Y (Akil, Youssef); Lehnen, R (Lehnen, Ralph); Saake, B (Saake, Bodo): Novel synthesis of hydroxyvinylethyl xylan using 4-vinyl-1, 3-dioxolan-2-one. In: TETRAHEDRON LETTERS Volume: 57 Issue: 37 Pages: 4200-4202, WOS
2. [1.1] Amer, H (Amer, Hassan); Nypelo, T (Nypelo, Tiina); Sulaeva, I (Sulaeva, Irina); Bacher, M (Bacher, Markus); Henniges, U (Henniges, Ute); Potthast, A (Potthast, Antje); Rosenau, T (Rosenau, Thomas): Synthesis and Characterization of Periodate-Oxidized Polysaccharides: Dialdehyde Xylan (DAX). In: BIOMACROMOLECULES Volume: 17 Issue: 9 Pages: 2972-2980, WOS
3. [1.1] Borjesson, M (Borjesson, Mikaela); Westman, G (Westman, Gunnar): Branching of hemicelluloses through an azetidinium salt ring-opening reaction. In: CARBOHYDRATE RESEARCH Volume: 428 Pages: 23-30, WOS
4. [1.1] Dai, QQ (Dai, Qing-Qing); Ren, JL (Ren, Jun-Li); Peng, F (Peng, Feng); Chen, XF (Chen, Xiao-Feng); Gao, CD (Gao, Cun-Dian); Sun, RC (Sun, Run-Cang): Synthesis of Acylated Xylan-Based Magnetic Fe3O4 Hydrogels and Their Application for H2O2 Detection. In: MATERIALS Volume: 9 Issue: 8 Article Number: 690, WOS
5. [1.1] Konduri, MKR (Konduri, Mohan K. R.); Fatehi, P (Fatehi, Pedram): Synthesis and characterization of carboxymethylated xylan and its application as a dispersant. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 26-35, WOS
6. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS
7. [1.1] Vega, B (Vega, Beatriz); Grigoray, O (Grigoray, Olga); Gustafsson, J (Gustafsson, Jan); Fardim, P (Fardim, Pedro): Advances in Sugar-based Polymers: Xylan and its Derivatives for Surface Modification of Pulp Fibres. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 134-158, WOS

ADCA591 SIHELNIKOVA, Lucia - TVAROŠKA, Igor. Step by step towards understanding gold glyconanoparticles as elements of the nanoworld. In Chemical papers, 2007, vol. 61, p. 237-255. (0.360 - IF2006). (2007 - Current Contents). ISSN 0366-6352.

Citácie:
1. [1.1] Thygesen, MB (Thygesen, Mikkel B.); Jensen, KJ (Jensen, Knud J.): CARBOHYDRATE-MODIFIED GOLD NANOPARTICLES. In: CARBOHYDRATE NANOTECHNOLOGY Pages: 79-98, WOS

ADCA592 SINGH, S. - REDDY, P. - HAARHOFF, J. - BIELY, Peter - JANSE, B. - PILLAY, B. - PILLAY, D. - PRIOR, B.A. Relatedness of Thermomyces lanuginosus strains producing a thermostable xylanase. In Journal of Biotechnology, 2000, vol. 81, p. 119-128. ISSN 0168-1656.

Citácie:
1. [1.2] Thomas, L., Joseph, A., Singhania, R. R., Patel, A. K., & Pandey, A. (2016). Industrial enzymes: Xylanases. In Current developments in biotechnology and bioengineering: Production, isolation and purification of industrial products (Elsevier, chapter 6, pp. 127-148), SCOPUS

ADCA593 SLÁDEK, Vladimír - HOLKA, Filip - TVAROŠKA, Igor. Ab initio modelling of the anomeric and

exo anomeric effects in 2-methoxytetrahydropyran and 2-methoxythiane corrected for intramolecular BSSE. In Physical Chemistry Chemical Physics, 2015, vol. 17, p. 18501-18513. (4.493 - IF2014). (2015 - Current Contents). ISSN 1463-9076.

Citácie:

1. [1.1] Langenhan, JM (Langenhan, Joseph M.); McLaughlin, RP (McLaughlin, Ryan P.); Loskot, SA (Loskot, Steven A.); Rozal, LM (Rozal, Leonardo M.); Clay, MS (Clay, Mackenzie S.); Alaimo, PJ (Alaimo, Peter J.): Using density functional theory to calculate the anomeric effect in hydroxylamine and hydrazide derivatives of tetrahydropyran. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 2 Pages: 106-117, WOS

ADCA594 SLÁDEK, Vladimír - ŠKORŇA, Peter - POLIAK, Peter - LUKEŠ, Vladimír. The ab initio study of halogen and hydrogen σN-bonded para-substituted pyridine•••(X2/XY/HX) complexes. In Chemical Physics Letters, 2015, vol. 619, p. 7-13. (1.897 - IF2014). (2015 - Current Contents). ISSN 0009-2614.

Citácie:

1. [1.1] Nepal, B (Nepal, Binod); Scheiner, S (Scheiner, Steve): Building a Better Halide Receptor: Optimum Choice of Spacer, Binding Unit, and Halosubstitution. In: CHEMPHYSCHEM Volume: 17 Issue: 6 Pages: 836-844, WOS

2. [1.1] Oliveira, V (Oliveira, Vytor); Kraka, E (Kraka, Elfi); Cremer, D (Cremer, Dieter): The intrinsic strength of the halogen bond: electrostatic and covalent contributions described by coupled cluster theory. In: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 48 Pages: 33031-33046, WOS

3. [1.1] Scheiner, S (Scheiner, Steve): Highly Selective Halide Receptors Based on Chalcogen, Pnicogen, and Tetrel Bonds. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 52 Pages: 18850-18858, WOS

4. [1.1] Wang, H (Wang, Hui); Wang, WZ (Wang, Weizhou); Jin, WJ (Jin, Wei Jun): sigma-Hole Bond vs pi-Hole Bond: A Comparison Based on Halogen Bond. In: CHEMICAL REVIEWS Volume: 116 Issue: 9 Special Issue: SI Pages: 5072-5104, WOS

5. [1.1] Wasowicz, TJ (Wasowicz, Tomasz J.); Pranszke, B (Pranszke, Boguslaw): Observation of the Hydrogen Migration in the Cation-Induced Fragmentation of the Pyridine Molecules. In: JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 7 Pages: 964-971, WOS

ADCA595 SLAMEŇOVÁ, Darina - HORVÁTHOVÁ, Eva - KOŠÍKOVÁ, Božena - RUZEKOVA, L. - LÁBAJ, Juraj. Detection of lignin biopolymer- and vitamin E-stimulated reduction of DNA strand breaks in H2O2- and MNNG-treated mammalian cells by the comet assay. In Nutrition and Cancer, 1999, vol. 33, no. 1, p. 88-94. ISSN 0163-5581.

Citácie:

1. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

ADCA596 SLAMEŇOVÁ, Darina - LÁBAJ, Juraj - KRIŽKOVÁ, L. - KOGAN, Grigorij - ŠANDULA, Jozef - BRESGEN, Nikolaus - ECKL, Peter. Protective effects of fungal (1 - 3)-beta-D-glucan derivatives against oxidative DNA lesions in V79 hamster lung cells. In Cancer Letters. - Elsevier Science Ireland, 2003, vol. 198, no. 2, p. 153-160. ISSN 0304-3835.

Citácie:

1. [1.1] CUONG, D.V. - KIM, H.K. - MARQUEZ, J. - KIM, N. - KO, K.S. - RHEE, B.D. - HAN, J. Mitochondrial calcium uniporter inhibition attenuates mouse bone marrow-derived mast cell degranulation induced by beta-1,3-glucan. In KOREAN JOURNAL OF PHYSIOLOGY & PHARMACOLOGY. ISSN 1226-4512, MAR 2016, vol. 20, no. 2, p. 213-220., WOS

2. [1.1] URT, A. - OLIVEIRA, R.J. - HERMETO, L.C. - PESARINI, J.R. - DE DAVID, N. - CANTERO, W.D. - FALCAO, G. - MARKS, G. - ANTONIOLLI-SILVA, A.C.M.B. Mesenchymal stem cell therapy promotes the improvement and recovery of renal function in a preclinical model. In GENETICS AND MOLECULAR BIOLOGY. ISSN 1415-4757, APR-JUN 2016, vol. 39, no. 2, p. 290-299., WOS

3. [1.2] Alhasnawi, A. N., Zain, C. R. C. M., Kadhimi, A. A., Isahakb, A., Mohamad, A., Ashraf, M. F., & Yusoff, W. M. W. (2016). Applications of polysaccharides (β-glucan) for physiological and biochemical parameters for evaluation rice tolerance under salinity stress at seedling stage. Journal of Crop Science and Biotechnology, 19(5), 353-362, SCOPUS

ADCA597 SLANINOVÁ, I. - ŠESTÁK, Sergej - SVOBODA, A. - FARKAŠ, Vladimír. Cell wall and cytoskeleton reorganization as the response to hyperosmotic shock in Saccharomyces cerevisiae. In Archives of Microbiology, 2000, vol. 173, p. 245-252. ISSN 0302-8933.

Citácie:

1. [1.1] Zablotskii, V (Zablotskii, V.); Lunov, O (Lunov, O.); Kubinova, S (Kubinova, S.);

Polyakova, T (Polyakova, T.); Sykova, E (Sykova, E.); Dejneka, A (Dejneka, A.): Effects of high-gradient magnetic fields on living cell machinery. In: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 49 Issue: 49 Article Number: 493003, WOS

ADCA598 SLÁVIKOVÁ, Elena - KOŠÍKOVÁ, Božena - MIKULÁŠOVÁ, M. Biotransformation of waste lignin products by the soil-inhabiting yeast Trichosporon pullulans. In Canadian journal of microbiology : revue canadienne de microbiologie, 2002, vol . 48, p. 200-203. ISSN 0008-4166.

Citácie:

1. [1.1] Martinez, A (Martinez, A.); Cavello, I (Cavello, I.); Garmendia, G (Garmendia, G.); Rufo, C (Rufo, C.); Cavalitto, S (Cavalitto, S.); Vero, S (Vero, S.): Yeasts from sub-Antarctic region: biodiversity, enzymatic activities and their potential as oleaginous microorganisms. In: EXTREMOPHILES Volume: 20 Issue: 5 Pages: 759-769, WOS

2. [1.2] Mohamed, H. M. (2015). Effect of arbuscular mycorrhizal fungus (glomus mosseae) and soil yeasts interaction on root nodulation, N-fixation and growth of faba bean (vichia faba). Malaysian Journal of Soil Science, 19, 157-168, SCOPUS

ADCA599 SLÁVIKOVÁ, Elena - VADKERTIOVÁ, Renáta - VRÁNOVÁ, D. Yeasts colonizing the leaf surfaces. In Journal of Basic Microbiology, 2007, vol.47, p.344-350. (1.000 - IF2006). ISSN 0233-111X.

Citácie:

1. [1.1] Dorado-Morales, P (Dorado-Morales, Pedro); Vilanova, C (Vilanova, Cristina); Pereto, J (Pereto, Juli); Codoner, FM (Codoner, Francisco M.); Ramon, D (Ramon, Daniel); Porcar, M (Porcar, Manuel): A highly diverse, desert-like microbial biocenosis on solar panels in a Mediterranean city. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 29235, WOS

2. [1.1] Kowallik, V (Kowallik, Vienna); Greig, D (Greig, Duncan): A systematic forest survey showing an association of Saccharomyces paradoxus with oak leaf litter. In: ENVIRONMENTAL MICROBIOLOGY REPORTS Volume: 8 Issue: 5 Special Issue: SI Pages: 833-841, WOS

3. [1.1] Oro, L (Oro, Lucia); Ciani, M (Ciani, Maurizio); Comitini, F (Comitini, Francesca): Yeasts From Xerophilic Environments Reveal Antimicrobial Action Against Fruit Pathogenic Molds. In: JOURNAL OF FOOD SAFETY Volume: 36 Issue: 1 Pages: 100-108, WOS

4. [1.1] Ramos-Garza, J (Ramos-Garza, Juan); Bustamante-Brito, R (Bustamante-Brito, Rafael); de Paz, GA (Angeles de Paz, Gabriela); Medina-Canales, MG (Gabriela Medina-Canales, Ma.); Vasquez-Murrieta, MS (Soledad Vasquez-Murrieta, Maria); Wang, ET (Tao Wang, En); Rodriguez-Tovar, AV (Veronica Rodriguez-Tovar, Aida): Isolation and characterization of yeasts associated with plants growing in heavy-metal- and arsenic-contaminated soils. In: CANADIAN JOURNAL OF MICROBIOLOGY Volume: 62 Issue: 4 Pages: 307-319, WOS

5. [1.1] Robinson, HA (Robinson, Heather A.); Pinharanda, A (Pinharanda, Ana); Bensasson, D (Bensasson, Douda): Summer temperature can predict the distribution of wild yeast populations. In: ECOLOGY AND EVOLUTION Volume: 6 Issue: 4 Pages: 1236-1250, WOS

6. [1.1] Wojcik, A (Wojcik, Anna); Blaszkowska, J (Blaszkowska, Joanna); Kurnatowski, P (Kurnatowski, Piotr); Goralska, K (Goralska, Katarzyna): Sandpits as a reservoir of potentially pathogenic fungi for children. In: ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 23 Issue: 4 Pages: 542-548, WOS

7. [1.1] Yang, QX (Yang, Qingxiang); Wang, RF (Wang, Ruifei); Xu, YY (Xu, Yuanyuan); Kang, CX (Kang, Chunxiao); Miao, Y (Miao, Ying); Li, MJ (Li, Mingjun): Dynamic change of the rhizosphere microbial community in response to growth stages of consecutively monocultured Rehmanniae glutinosa. In: BIOLOGIA Volume: 71 Issue: 12 Pages: 1320-1329, WOS

ADCA600 SLÁVIKOVÁ, Elena - VADKERTIOVÁ, Renáta - VRÁNOVÁ, Dana. Yeasts colonizing the leaves of fruit trees. Dana Vránová. In Annals of Microbiology, 2009, vol.53, no.3., pp.419-424.

Citácie:

1. [1.1] Albertin, W (Albertin, Warren); Setati, ME (Setati, Mathabatha E.); Miot-Sertier, C (Miot-Sertier, Cecile); Mostert, TT (Mostert, Talitha T.); Colonna-Ceccaldi, B (Colonna-Ceccaldi, Benoit); Coulon, J (Coulon, Joana); Girard, P (Girard, Patrick); Moine, V (Moine, Virginie); Pillet, M (Pillet, Myriam); Salin, F (Salin, Franck); Bely, M (Bely, Marina); Divol, B (Divol, Benoit); Masneuf-Pomarede, I (Masneuf-Pomarede, Isabelle): Hanseniaspora uvarum from Winemaking Environments Show Spatial and Temporal Genetic Clustering. In: FRONTIERS IN MICROBIOLOGY Volume: 6 Article Number: 1569, WOS

2. [1.1] Nasanit, R (Nasanit, Rujikan); Jaibangyang, S (Jaibangyang, Sopin); Tantirungkij, M (Tantirungkij, Manee); Limtong, S (Limtong, Savitree): Yeast diversity and novel yeast D1/D2 sequences from corn phylloplane obtained by a culture-independent approach. In: ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY Volume: 109 Issue: 12 Pages: 1615-1634, WOS

3. [1.1] Wang, K (Wang, Kai); Sipila, TP (Sipila, Timo P.); Overmyer, K (Overmyer, Kirk): The isolation and characterization of resident yeasts from the phylloplane of Arabidopsis thaliana. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 39403, WOS

ADCA601 SLÁVIKOVÁ, Elena - VADKERTIOVÁ, Renáta. The occurrence of yeasts in the forest soils. In Journal of Basic Microbiology, 2000, vol. 40, p. 207-212. ISSN 0233-111X.

Citácie:

1. [1.1] Mokhtarnejad, L (Mokhtarnejad, Lachin); Arzanlou, M (Arzanlou, Mahdi); Babai-Ahari, A (Babai-Ahari, Asadollah); Di Mauro, S (Di Mauro, Simone); Onofri, A (Onofri, Andrea); Buzzini, P (Buzzini, Pietro); Turchetti, B (Turchetti, Benedetta): Characterization of basidiomycetous yeasts in hypersaline soils of the Urmia Lake National Park, Iran. In: EXTREMOPHILES Volume: 20 Issue: 6 Pages: 915-928, WOS

2. [1.1] Pontes, A (Pontes, Ana); Rohl, O (Roehl, Oliver); Carvalho, C (Carvalho, Claudia); Maldonado, C (Maldonado, Cristina); Yurkov, AM (Yurkov, Andrey M.); Sampaio, JP (Sampaio, Jose Paulo): Cystofilobasidium intermedium sp nov and Cystofilobasidium alribaticum f. a. sp nov., isolated from Mediterranean forest soils. In: INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY Volume: 66 Pages: 1058-1062, WOS

3. [1.1] Yurkov, AM (Yurkov, Andrey M.); Rohl, O (Roehl, Oliver); Pontes, A (Pontes, Ana); Carvalho, C (Carvalho, Claudia); Maldonado, C (Maldonado, Cristina); Sampaio, JP (Sampaio, Jose Paulo): Local climatic conditions constrain soil yeast diversity patterns in Mediterranean forests, woodlands and scrub biome. In: FEMS YEAST RESEARCH Volume: 16 Issue: 1 Article Number: fov103, WOS

4. [3.1] Jamali, S., Gharaei, M., & Abbasi, S. (2016). Identification of yeast species from uncultivated soils by sequence analysis of the hypervariable D1/D2 domain of LSU–rDNA gene in Kermanshah province, Iran. Mycologia Iranica, 3(2), 87-98

ADCA602 SLOVAKOVA, L. - LISKOVA, Desana - CAPEK, Peter - KUBAČKOVÁ, M. - KÁKONIOVÁ, Daniela - KARACSONYI, S.. Defence responses against TNV infection induced by galactoglucomannan-derived oligosaccharides in cucumber cells. In European Journal of Plant Pathology. ISSN 0929-1873.

Citácie:

1. [1.2] Moenne, A. (2016). Marine algae oligo-carrageenans (OCs) stimulate growth and defense responses in terrestrial plants. In Research progress in oligosaccharins (Springer, chapter 4, pp. 41-49), SCOPUS

ADCA603 SMRČOK, Ľubomír - SLÁDKOVIČOVÁ, Mariana - LANGER, Vratislav - WILSON, Chick C. - KOÓŠ, Miroslav. On hydrogen bonding in 1,6-anhydro-beta-D-glucopyranose (levoglucosan): X-ray and neutron diffraction and DFT study. In Acta Crystallographica Section B, 2006, vol. 62, p. 912-918. ISSN 0108-7681.

Citácie:

1. [1.1] BOROWSKI, Daniel - ZWEIBOEHMER, Tobias - ZIEGLER, Thomas. 1,2-Annulated Sugars: Synthesis of Polyhydroxylated 2,10-Dioxadecalins with beta-manno Configuration. In EUROPEAN JOURNAL OF ORGANIC CHEMISTRY. ISSN 1434-193X, 2016, vol., no. 31, pp. 5248-5256., WOS

2. [1.1] KAMINSKA, E. - TARNACKA, M. - JURKIEWICZ, K. - KAMINSKI, K. - PALUCH, M. High pressure dielectric studies on the structural and orientational glass. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 5, pp., WOS

3. [1.1] RIGHETTI, Maria Cristina - TOMBARI, Elpidio - JOHARI, G. P. Aging kinetics of levoglucosan orientational glass as a rate dispersion process and consequences for the heterogeneous dynamics view. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 5, pp., WOS

ADCA604 SMRTIČOVÁ, Hana - ČANIGOVÁ, Margita - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Enzymatic preparation of melibiose and alkyl beta-D-fructofuranosides by commercial lactase. In Journal of Molecular Catalysis B - Enzymatic, 2011, vol. 72, p. 53-56. (2.330 - IF2010). (2011 - Current Contents). ISSN 1381-1177.

Citácie:

1. [1.1] Kegel, LL (Kegel, Laurel L.); Szabo, LZ (Szabo, Lajos Z.); Polt, R (Polt, Robin); Pemberton, JE (Pemberton, Jeanne E.): Alkyl melibioside and alkyl cellobioside surfactants: effect of sugar headgroup and alkyl chain length on performance. In: Kegel, LL (Kegel, Laurel L.); Szabo, LZ (Szabo, Lajos Z.); Polt, R (Polt, Robin); Pemberton, JE (Pemberton, Jeanne E.): Alkyl melibioside and alkyl cellobioside surfactants: effect of sugar headgroup and alkyl chain length on performance. In: GREEN CHEMISTRY Volume: 18 Issue: 16 Pages: 4446-4460, WOS

ADCA605 SOBOLČIAK, Patrik - ŠPÍREK, Mário - KATRLÍK, Jaroslav - GEMEINER, Peter - LACÍK, Igor - KASÁK, Peter. Light-switchable polymer from cationic to zwitterionic form: Synthesis, characterization, and interactions with DNA and bacterial cells. In Macromolecular Rapid Communications, 2013, vol. 34, p. 635 - 639. (4.929 - IF2012). (2013 - Current Contents). ISSN 1022-1336.

Citácie:

1. [1.1] DINU, I.A. - DUSKEY, J.T. - CAR, A. - PALIVAN, C.G. - MEIER, W. Engineered non-

toxic cationic nanocarriers with photo-triggered slow-release properties. In POLYMER CHEMISTRY. ISSN 1759-9954, 2016, vol. 7, no. 20, p. 3451-3464., WOS
2. [1.1] ZHAO, H. - HOU, B. - TANG, Y.F. - HU, W.B. - YIN, C. - JI, Y. - LU, X.M. - FAN, Q.L. - HUANG, W. O-Nitrobenzyl-alt-(phenylethynyl)benzene copolymer-based nanoaggregates with highly efficient two-photon-triggered degradable properties via a FRET process. In POLYMER CHEMISTRY. ISSN 1759-9954, 2016, vol. 7, no. 18, p. 3117-3125., WOS

ADCA606 SOLÁR, Rastislav - GEFFERTOVÁ, Jarmila - MAMOŇ, Miroslav - GEFFERT, Anton - KOŠÍKOVÁ, Božena. Influence of alkaline and alkaline/oxidation pretreatments of hornbeam wood on the properties of kraft pulp. Miroslav Mamoň, Anton Geffert, Božena Košíková. In Cellulose Chemistry and Technology, 2009, vol.43, no.4-6, p.163-177. (0.262 - IF2008). (2009 - Current Contents). ISSN 0576-9787.

Citácie:

1. [1.1] Uner, B (Uner, Birol); Akgul, M (Akgul, Mehmet); Gucus, MO (Gucus, M. Onurhan); Demir, S (Demir, Serkan): THE EFFECT OF OXALIC ACID PRETREATMENT ON ALKALI PULPING PROCESS. In: WOOD RESEARCH Volume: 61 Issue: 1 Pages: 75-81, WOS

ADCA607 SOUKUP, Milan - MARTINKA, Michal - CIGÁŇ, Marek - RAVASZOVÁ, Frederika - LUX, Alexander. New method for visualization of silica phytoliths in Sorghum bicolor roots by fluorescence microscopy revealed silicate concentration-dependent phytolith formation. In Planta, 2014, vol. 240, p. 1365-1372. (3.376 - IF2013). (2014 - Current Contents). ISSN 0032-0935.

Citácie:

1. [1.1] DABNEY, C. - OSTERGAARD, J. - WATKINS, E. - CHEN, C.B. A novel method to characterize silica bodies in grasses. In Plant Methods, 2016, vol. 12. ISSN 1746-4811., WOS
2. [1.1] EVETT, R.R. - CUTHRELL, R.Q. A conceptual framework for a computer-assisted, morphometric-based phytolith analysis and classification system. In Journal of Archaeological Science, 2016, vol. 68, p. 70-78. ISSN 0305-4403., WOS

ADCA608 SPIWOK, Vojtech - KRÁLOVÁ, Blanka. Metadynamics in the conformational space nonlinearly dimensionally reduced by Isomap. In Journal of Chemical Physics, 2011, vol. 135, p. 224504-224509. (2.921 - IF2010). (2011 - Current Contents). ISSN 0021-9606.

Citácie:

1. [1.1] Bonomi, M (Bonomi, Massimiliano); Camilloni, C (Camilloni, Carlo); Vendruscolo, M (Vendruscolo, Michele): Metadynamic metainference: Enhanced sampling of the metainference ensemble using metadynamics. In: SCIENTIFIC REPORTS Volume: 6 Article Number: 31232, WOS
2. [1.1] Hashemian, B (Hashemian, Behrooz); Millan, D (Millan, Daniel); Arroyo, M (Arroyo, Marino): Charting molecular free-energy landscapes with an atlas of collective variables. In: JOURNAL OF CHEMICAL PHYSICS Volume: 145 Issue: 17 Article Number: 174109, WOS

ADCA609 SPIWOK, Vojtech - KRÁLOVÁ, B. - TVAROŠKA, Igor. Continuous metadynamics in essential coordinates as a tool for free energy modelling of confromational changes. In Journal of molecular modeling, 2008, vol, 14, p. 995-1002. (1.669 - IF2007). ISSN 1610-2940.

Citácie:

1. [1.1] Brandt, AML (Brandt, Artur M. L.); Batista, PR (Batista, Paulo Ricardo); Souza-Silva, F (Souza-Silva, Franklin); Alves, CR (Alves, Carlos Roberto); Caffarena, ER (Caffarena, Ernesto Raul): Exploring the unbinding of Leishmania (L.) amazonensis CPB derived-epitopes from H2 MHC class I proteins. In: PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 84 Issue: 4 Pages: 473-487, WOS

ADCA610 SPIWOK, Vojtech - TVAROŠKA, Igor. Conformational Free Energy Surface of alfa-N-Acetylneuraminic Acid: An Interplay Between Hydrogen Bonding and Solvation. In Journal of Physical Chemistry, 2009, vol.113, pp. 9589-9594.

Citácie:

1. [1.1] Duan, YF (Duan, Yifeng); Qin, LX (Qin, Lixia); Liu, HY (Liu, Hanyu): Different evolutionary pathways from B4 to B1 phase in AlN and InN: metadynamics investigations. In: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 28 Issue: 20 Article Number: 205403, WOS
2. [1.1] Duan, YF (Duan, Yifeng); Qin, LX (Qin, Lixia); Liu, HY (Liu, Hanyu): Metadynamics investigations of the AlN/GaN superlattice. In: EPL Volume: 114 Issue: 4 Article Number: 46002, WOS
3. [1.1] Plazinski, W (Plazinski, Wojciech); Lonardi, A (Lonardi, Alice); Hunenberger, PH (Huenenberger, Philippe H.): Revision of the GROMOS 56A6(CARBO) force field: Improving the description of ring-conformational equilibria in hexopyranose-based carbohydrates chains. In: JOURNAL OF COMPUTATIONAL CHEMISTRY Volume: 37 Issue: 3 Pages: 354-365, WOS

ADCA611 SPIWOK, Vojtech - KRÁLOVÁ, Blanka - TVAROŠKA, Igor. Modelling of beta-D-glucopyranose ring distortion in different force fields: a metadynamics study. In Carbohydrate Research, 2010, vol.345, p. 530-537. (2.025 - IF2009). (2010 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Corredor, M (Corredor, Miriam); Bonet, R (Bonet, Roman); Moure, A (Moure, Alejandra); Domingo, C (Domingo, Cecilia); Bujons, J (Bujons, Jordi); Alfonso, I (Alfonso, Ignacio); Perez, Y (Perez, Yolanda); Messeguer, A (Messeguer, Angel): Cationic Peptides and Peptidomimetics Bind Glycosaminoglycans as Potential Sema3A Pathway Inhibitors. In: BIOPHYSICAL JOURNAL Volume: 110 Issue: 6 Pages: 1291-1303, WOS
2. [1.1] Hashemian, B (Hashemian, Behrooz); Millan, D (Millan, Daniel); Arroyo, M (Arroyo, Marino): Charting molecular free-energy landscapes with an atlas of collective variables. In: JOURNAL OF CHEMICAL PHYSICS Volume: 145 Issue: 17 Article Number: 174109, WOS
3. [1.1] Marianski, M (Marianski, Mateusz); Supady, A (Supady, Adriana); Ingram, T (Ingram, Teresa); Schneider, M (Schneider, Markus); Baldauf, C (Baldauf, Carsten): Assessing the Accuracy of Across-the-Scale Methods for Predicting Carbohydrate Conformational Energies for the Examples of Glucose and alpha-Maltose. In: JOURNAL OF CHEMICAL THEORY AND COMPUTATION Volume: 12 Issue: 12 Pages: 6157-6168, WOS
4. [1.1] Plazinski, W (Plazinski, Wojciech); Lonardi, A (Lonardi, Alice); Hunenberger, PH (Huenenberger, Philippe H.): : Revision of the GROMOS 56A6(CARBO) force field: Improving the description of ring-conformational equilibria in hexopyranose-based carbohydrates chains. In: JOURNAL OF COMPUTATIONAL CHEMISTRY Volume: 37 Issue: 3 Pages: 354-365, WOS
5. [1.1] Raich, L (Raich, L.); Nin-Hill, A (Nin-Hill, A.); Ardevol, A (Ardevol, A.); Rovira, C (Rovira, C.): : Enzymatic Cleavage of Glycosidic Bonds: Strategies on How to Set Up and Control a QM/MM Metadynamics Simulation. In: COMPUTATIONAL APPROACHES FOR STUDYING ENZYME MECHANISM, PT A Book Series Title: Methods in Enzymology Volume: 577 Pages: 159-183, WOS

ADCA612 STANKOVSKÁ, Monika - ŠOLTÉS, Ladislav - VIKARTOVSKÁ, Alica, Welwardová - MENDICHI, Raniero - LATH, Dieter - MOLNÁROVÁ, Marianna - GEMEINER, Peter. Study of hyaluronan degradation by means of rotational viscometry: contribution of the material of viscometer. In Chemical papers. - Warsaw : De Gruyter Open Ltd., 2006-, 2004, vol. 58, no. 5, p. 348-352. ISSN 0366-6352.

Citácie:
1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

ADCA613 STAŠKO, Andrej - BREZOVÁ, Vlasta - ZALIBERA, Michal - BISKUPIČ, Stanislav - ONDRIAŠ, Karol. Electron transfer: A primary step in the reactions of sodium hydrosulphide, an H2S/HS- donor. In Free Radical Research : official journal of the Society for Free Radical Research -European Region, 2009, vol. 46, iss. 6, p. 581-593. (2.826 - IF2008). (2009 - Current Contents). ISSN 1071-5762.

Citácie:
1. [1.1] CACANYIOVA, S. - BERENYIOVA, A. - KRISTEK, F. The Role of Hydrogen Sulphide in Blood Pressure Regulation. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2016, vol. 65, no., pp. S273-S289., WOS
2. [1.1] MARTINEZ-BANACLOCHA, Marcos. Cysteine Network (CYSTEINET) Dysregulation in Parkinson's Disease: Role of N-acetylcysteine. In CURRENT DRUG METABOLISM. ISSN 1389-2002, 2016, vol. 17, no. 4, pp. 368-385., WOS

ADCA614 STAŠKO, Andrej - LUŠPAI, Karol - BARBIERIKOVÁ, Zuzana - RIMARČÍK, Ján - VAGÁNEK, Adam - LUKEŠ, Vladimír - BELLA, Maroš - MILATA, Viktor - ZALIBERA, Michal - RAPTA, Peter - BREZOVÁ, Vlasta. Stable radical trianions from reversibly formed sigma-dimers of selenadiazoloquinolones studies by in situ EPR/UV-vis spectroelectrochemistry and quantum chemical calculations. In Journal of Physical Chemistry A.Molecules, spectroscopy, kinetics, environment, and general theory, 2012, vol. 116, p. 9919-9927. (2.946 - IF2011). (2012 - Current Contents). ISSN 1089-5639.

Citácie:
1. [1.1] Branowska, D (Branowska, Danuta); Olender, E (Olender, Ewa); Wysocki, W (Wysocki, Waldemar); Karczmarzyk, Z (Karczmarzyk, Zbigniew); Bancerz, I (Bancerz, Ilona); Ledwon, P (Ledwon, Przemyslaw); Lapkowski, M (Lapkowski, Mieczyslaw); Miroslaw, B (Miroslaw, Barbara); Urbanczyk-Lipkowska, Z (Urbanczyk-Lipkowska, Zofia); Kalicki, P (Kalicki, Przemyslaw): Synthesis and electrochemical characterization of oligothiophenes with 1,2,4-triazine and 5,5 '-bi-1,2,4-triazine as strong electron acceptor units. In: ELECTROCHIMICA ACTA Volume: 214 Pages: 19-30, WOS

ADCA615 STEELE, N. M. - SULOVÁ, Zdena - CAMPBELL, P. - BRAAM, J. - FARKAŠ, Vladimír - FRY, S. C. Ten isoenzymes of xyloglucan endotransglycosylase from plant cell walls select and cleave the

donor substrate stochastically. In Biochemical Journal, 2001, vol. 355, p. 671-679. ISSN 0264-6021.

Citácie:

1. [1.1] HAN, Ye - BAN, Qiuyan - HOU, Yali - MENG, Kun - SUO, Jiangtao - RAO, Jingping. Isolation and Characterization of Two Persimmon Xyloglucan Endotransglycosylase/Hydrolase (XTH) Genes That Have Divergent Functions in Cell Wall Modification and Fruit Postharvest Softening. In FRONTIERS IN PLANT SCIENCE. ISSN 1664-462X, 2016, vol. 7, no., pp., WOS

2. [1.1] Han, Y (Han, Ye); Ban, QY (Ban, Qiuyan); Hou, YL (Hou, Yali); Meng, K (Meng, Kun); Suo, JT (Suo, Jiangtao); Rao, JP (Rao, Jingping): Isolation and Characterization of Two Persimmon Xyloglucan. In: Endotransglycosylase/Hydrolase (XTH) Genes That Have Divergent Functions in Cell Wall Modification and Fruit Postharvest Softening. In: FRONTIERS IN PLANT SCIENCE Volume: 7 Article Number: 624, WOS

ADCA616 STERN, Robert - KOGAN, Grigorij - JEDRZEJAS, Mark J. - ŠOLTÉS, Ladislav. The many ways to cleave hyaluronan. In Biotechnology Advances, 2007, vol. 25, p. 537-557. (4.943 - IF2006). (2007 - Current Contents). ISSN 0734-9750.

Citácie:

1. [1.1] AGRAHARI, V. - MENG, J.N. - EZOULIN, M.J.M. - YOUM, I. - DIM, D.C. - MOLTENI, A. - HUNG, W.T. - CHRISTENSON, L.K. - YOUAN, B.B.C. Stimuli-sensitive thiolated hyaluronic acid based nanofibers: synthesis, preclinical safety and in vitro anti-HIV activity. In NANOMEDICINE. ISSN 1743-5889, 2016, vol. 11, no. 22, p. 2935-2958., WOS

2. [1.1] AL-QADI, S. - ALATORRE-MEDA, M. - MARTIN-PASTOR, M. - TABOADA, P. - REMUÑÁN-LÓPEZ, C. The role of hyaluronic acid inclusion on the energetics of encapsulation and release of a protein molecule from chitosan-based nanoparticles. In COLLOIDS AND SURFACES B: BIOINTERFACES. ISSN 0927-7765, 2016, vol. 141, p. 223-232., WOS

3. [1.1] CONROZIER, T. - EYMARD, F. - AFIF, N. - BALBLANC, J.C. - LEGRE-BOYER, V. - CHEVALIER, X. Safety and efficacy of intra-articular injections of a combination of hyaluronic acid and mannitol (HAnOX-M) in patients with symptomatic knee osteoarthritis Results of a double-blind, controlled, multicenter, randomized trial. In KNEE. ISSN 0968-0160, 2016, vol. 23, no. 5, p. 842-848., WOS

4. [1.1] COZIKOVA, D. - HERMANNOVA, M. - MORAVCOVA, V. - VELEBNY, V. Preparation of hyaluronan fragments with low polydipersity obtained from acid-catalyzed hydrolysis. In PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016. ISSN 2336-6796, 2016, p. 29-30., WOS

5. [1.1] DOSIO, F. - ARPICCO, S. - STELLA, B. - FATTAL, El. Hyaluronic acid for anticancer drug and nucleic acid delivery. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, 2016, vol. 97, p. 204-236., WOS

6. [1.1] JIAO, Y. - PANG, X. - ZHAI, G.X. Advances in Hyaluronic Acid-Based Drug Delivery Systems. In CURRENT DRUG TARGETS. ISSN 1389-4501, 2016, vol. 17, no. 6, p. 720-730., WOS

7. [1.1] JIN, P. - KANG, Z. - YUAN, P. - DU, G. - CHEN, J. Production of specific-molecular-weight hyaluronan by metabolically engineered Bacillus subtilis 168. In METABOLIC ENGINEERING. ISSN 1096-7176, 2016, vol. 35, p. 21-30., WOS

8. [1.1] KANG, Z. - ZHANG, N. - ZHANG, Y.F. Enhanced production of leech hyaluronidase by optimizing secretion and cultivation in Pichia pastoris. In APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. ISSN 0175-7598, 2016, vol. 100, no. 2, p. 707-717., WOS

9. [1.1] LALL, R.K. - SYED, D.N. - KHAN, M.I. - ADHAMI, V.M. - GONG, Y.S. - LUCEY, J.A. - MUKHTAR, H. Dietary flavonoid fisetin increases abundance of high-molecular-mass hyaluronan conferring resistance to prostate oncogenesis. In CARCINOGENESIS. ISSN 0143-3334, SEP 2016, vol. 37, no. 9, p. 918-928., WOS

10. [1.1] LV, M. - WANG, M. - CAI, W. - HAO, W. - YUAN, P. - KANG, Z. Characterisation of separated end hyaluronan oligosaccharides from leech hyaluronidase and evaluation of angiogenesis. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 142, p. 309-316., WOS

11. [1.1] MATUSKA, B. - COMHAIR, S. - FARVER, C. - CHMIEL, J. - MIDURA, R.J. - BONFIELD, T. - LAUER, M.E. Pathological hyaluronan matrices in cystic fibrosis airways and secretions. In AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY. ISSN 1044-1549, 2016, vol. 55, no. 4, p. 576-585., WOS

12. [1.1] MENZINGER, S. - KAYA, A. - SAURAT, J.H. - KAYA, G. Injected hyaluronidase reduces the volume of exogenous hyaluronate fillers in mice and results in clinical improvement in a patient with pretibial myxedema. In DERMATOPATHOLOGY. ISSN 2296-3529, 2016, vol. 3, no. 3, p. 61-67., WOS

13. [1.1] PANOGEORGOU, T. - TSERBINI, E. - FILOU, S. - VYNIOS, D.H. - NAXAKIS, S.S. - PAPADAS, T.A. - GOUMAS, P.D. - MASTRONIKOLIS, N.S. Hyaluronan synthases and hyaluronidases in nasal polyps. In EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY. ISSN 0937-4477, 2016, vol. 273, no. 7, p. 1801-1808., WOS

14. [1.1] PLUDA, S. - PAVAN, M. - GALESSO, D. - GUARISE, C. Hyaluronic acid auto-crosslinked polymer (ACP): Reaction monitoring, process investigation and hyaluronidase stability. In CARBOHYDRATE RESEARCH. ISSN 0008-6215, 2016, vol. 433, p. 47-53., WOS
15. [1.1] ROECK, K. - JOOSSE, S.A. - MULLER, J. - HEINISCH, N. - FUCHS, N. - MEUSCH, M. - ZIPPER, P. - REIFENBERGER, J. - PANTEL, K. - FISCHER, J.W. Chronic UVB-irradiation actuates perpetuated dermal matrix remodeling in female mice: Protective role of estrogen. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, article number 30482., WOS
16. [1.1] SIMULESCU, V. - KALINA, M. - MONDEK, J. - PEKAR, M. Long-term degradation study of hyaluronic acid in aqueous solutions without protection against microorganisms. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 137, p. 664-668., WOS
17. [1.1] SINGH, R. - SINGH, S. - PARIHAR, P. - MISHRA, R.K. - TRIPATHI, D.K. - SINGH, V.P. - CHAUHAN, D.K. - PRASAD, S.M. Reactive oxygen species (ROS): Beneficial companions of plants' developmental processes. In FRONTIERS IN PLANT SCIENCE. ISSN 1664-462X, 2016, vol. 7, p. 1-19., WOS
18. [1.1] TEMPLE-WONG, M.M. - REN, S.W. - QUACH, P. - HANSEN, B.C. - CHEN, A.C. - HASEGAWA, A. - D'LIMA, D.D. - KOZIOL, J. - MASUDA, K. - LOTZ, M.K. - SAH, R.L. Hyaluronan concentration and size distribution in human knee synovial fluid: variations with age and cartilage degeneration. In ARTHRITIS RESEARCH & THERAPY. ISSN 1478-6354, 2016, vol. 18. DOI: 10.1186/s13075-016-0922-4, WOS
19. [1.1] VAN WITTELOOSTUIJN, S.B. - PEDERSEN, S.L. - JENSEN, K.J. Half-life extension of biopharmaceuticals using chemical methods: Alternatives to PEGylation. In CHEMMEDCHEM. ISSN 1860-7179, 2016, vol. 11, no. 22, p. 2474-2495., WOS
20. [1.1] VOLFOVA, V. - TOTHOVA, V. - VOLF, P. Hyaluronidase activity in the salivary glands of tabanid flies. In INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY. ISSN 0965-1748, 2016, vol. 73, p. 38-46., WOS
21. [1.1] WENDLING, R.J. - CHRISTENSEN, A.M. - QUAST, A.D. - ATZET, S.K. - MANN, B.K. Effect of carboxymethylation on the rheological properties of hyaluronan. In PLOS ONE. ISSN 1932-6203, 2016, vol. 11, no. 9, rticle number e0162849., WOS
22. [1.1] YUAN, X. - LI, R. - RAO, Z. - LI, H. - RONG, J. - TU, M. - ZENG, R. - ZHAO, J. Synthesis and characterization of a dually crosslinked heparin-conjugated HA hydrogel for BMP-2 sustained delivery. In INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS. ISSN 0091-4037, 2016, vol. 65, no. 18, p. 928-937., WOS
23. [1.2] BHATIA, S. Systems for drug delivery: Safety, animal, and microbial polysaccharides. In SYSTEMS FOR DRUG DELIVERY: SAFETY, ANIMAL, AND MICROBIAL POLYSACCHARIDES. Springer International Publishing, 2016, p. 1-197. ISBN 978-331941926-8; 978-331941925-1., SCOPUS
24. [1.2] LIANG, J. - JIANG, D. - NOBLE, P.W. Hyaluronan as a therapeutic target in human diseases. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, 2016, vol. 97, p. 186-203., SCOPUS

ADCA617 STRATILOVÁ, Eva - DZÚROVÁ, Mária - BREIEROVÁ, Emília - OMELKOVÁ, Jiřina. Purification and biochemical characterization of polygalacturonases produced by Aureobasidium pullulans. In Zeitschrift für Naturforschung C, 2005, vol. 60, p. 91-96. ISSN 0939-5075.

Citácie:

1. [1.1] Bennamoun, L (Bennamoun, Leila); Hiligsmann, S (Hiligsmann, Serge); Dakhmouche, S (Dakhmouche, Scheherazad); Ait-Kaki, A (Ait-Kaki, Amel); Labbani, FZK (Labbani, Fatima-Zohra Kenza); Nouadri, T (Nouadri, Tahar); Meraihi, Z (Meraihi, Zahia); Turchetti, B (Turchetti, Benedetta); Buzzini, P (Buzzini, Pietro); Thonart, P (Thonart, Philippe): Production and Properties of a Thermostable, pH-Stable Exo-Polygalacturonase Using Aureobasidium pullulans Isolated from Saharan Soil of Algeria Grown on Tomato Pomace. In: FOODS Volume: 5 Issue: 4 Article Number: 72, WOS

ADCA618 STREĎANSKÝ, Miroslav - MONOŠÍK, Rastislav - MASTIHUBA, Vladimír - ŠTURDÍK, Ernest. Monitoring of PQQ-Dependent Glucose Dehydrogenase Substrate Specificity for Its Potential Use in Biocatalysis and Bioanalysis. In Applied Biochemistry and Biotechnology, 2013, vol. 171, p. 1032-1041. (1.893 - IF2012). (2013 - Current Contents). ISSN 0273-2289.

Citácie:

1. [1.1] Pu, Y (Pu, Yue); Dong, C (Dong, Chang); Hang, BJ (Hang, Baojian); Huang, L (Huang, Lei); Cai, J (Cai, Jin); Xu, ZN (Xu, Zhinan): Novel approach for the evolution of pyrroloquinoline quinone glucose dehydrogenase by multiplex-site in situ engineering. In: PROCESS BIOCHEMISTRY Volume: 51 Issue: 12 Pages: 2011-2016, WOS
2. [1.2] Toyama, H. (2016). Pyrroloquinoline quinone (PQQ). In Industrial biotechnology of vitamins, biopigments, and antioxidants (Wiley-VCH, chapter 13, pp. 367-388), SCOPUS

ADCA619 SUGITA, T. - TAKEO, K. - HAMA, K. - VIRTUDAZO, E. - TAKASHIMA, M. - NISHIKAWA, A. - KUCSERA, J. - DOROG, J. - KOMORI, S. - NAKAGAKO, K. - VOLLEKOVÁ, A. -

SLÁVIKOVÁ, Elena - FARKAŠ, Vladimír. DNA sequences diversity of intergenic spacer I region in the non-lipid-dependent species Malasseyia pachydermatis isolated from animals. In Medical mycology, 2005, vol. 43, p. 21-26.

Citácie:

1. [1.1] Puig, L (Puig, Laura); Castella, G (Castella, Gemma); Cabaes, FJ (Javier Cabaes, F.): Cryptic Diversity of Malassezia pachydermatis from Healthy and Diseased Domestic Animals. In: MYCOPATHOLOGIA Volume: 181 Issue: 9-10, WOS

ADCA620 SUCHÁNKOVÁ, Magda - BUCOVÁ, Mária - TIBENSKÁ, Elena - TEDLOVÁ, Eva - DEMIAN, Juraj - MAJER, Ivan - NOVOSADOVÁ, Helena - TEDLA, Miroslav - PAULOVIČOVÁ, Ema - KANTAROVÁ, Daniela. Triggering receptor expressed on myeloid cells-1 and 2 in bronchoalveolar lavage fluid in pulmonary sarcoidosis. In Respirology, 2013, vol. 18, p. 455-462. (2.781 - IF2012). (2013 - Current Contents). ISSN 1323-7799.

Citácie:

1. [1.1] Shen, YC (Shen, Yongchun); Pang, CS (Pang, Caishuang); Wu, YQ (Wu, Yanqiu); Li, DD (Li, Diandian); Wan, C (Wan, Chun); Liao, ZL (Liao, Zenglin); Yang, T (Yang, Ting); Chen, L (Chen, Lei); Wen, FQ (Wen, Fuqiang): Diagnostic Performance of Bronchoalveolar Lavage Fluid CD4/CD8 Ratio for Sarcoidosis: A Meta-analysis. In: EBIOMEDICINE Volume: 8 Pages: 302-308, WOS

2. [1.2] Tao, Y., Zhao, X. Y., & Fang, G. (2015). Calcitonin effect on cartilage morphology and proteoglycan expression in rats with osteoarthritis. Chinese Journal of Tissue Engineering Research, 19(42), 6735-6739, SCOPUS

ADCA621 SUCHÁNKOVÁ, Magda - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - MAJER, Ivan - TEDLOVÁ, Eva - NOVOSADOVÁ, Helena - TIBENSKÁ, Elena - TEDLA, Miroslav. Increased antifungal antibodies in bronchoalveolar lavage fluid and serum in pulmonary sarcoidosis. In Scandinavian Journal of Immunology, 2015, vol. 81, p. 259-264. (1.739 - IF2014). (2015 - Current Contents). ISSN 0300-9475.

Citácie:

1. [1.1] Carleo, A (Carleo, Alfonso); Bennett, D (Bennett, David); Rottoli, P (Rottoli, Paola): Biomarkers in sarcoidosis: the contribution of system biology. In: CURRENT OPINION IN PULMONARY MEDICINE Volume: 22 Issue: 5 Pages: 509-514, WOS

2. [1.1] Esteves, T (Esteves, Tiago); Aparicio, G (Aparicio, Gloria); Garcia-Patos, V (Garcia-Patos, Vicente): Is there any association between Sarcoidosis and infectious agents?: a systematic review and meta-analysis. In: BMC PULMONARY MEDICINE Volume: 16 Article Number: 165, WOS

ADCA622 SULO, Pavol - LAURENČÍK, M. - POLÁKOVÁ, S. - MINÁRIK, G. - SLÁVIKOVÁ, Elena. Geotrichum bryndzae sp. nov., a novel asexual arthroconidial yeast species related to the genus Galactomyces. In International journal of systematic and evolutionary microbiology, vol. ISSN 1466-5026.

Citácie:

1. [1.1] Konuchova, M (Konuchova, Martina); Liptakova, D (Liptakova, Denisa); Sipkova, A (Sipkova, Anna); Valik, L (Valik, L'ubomir): Role of Geotrichum candidum in Dairy Industry. In: CHEMICKE LISTY Volume: 110 Issue: 7 Pages: 491-497, WOS

2. [1.2] Planý, M., Kuchta, T., Šoltýs, K., Szemes, T., Pangallo, D., & Siekel, P. (2016). Metagenomic analysis of slovak bryndza cheese using next-generation 16S rDNA amplicon sequencing. Nova Biotechnologica Et Chimica, 15(1), 23-34, SCOPUS

ADCA623 SULOVÁ, Zdena - LEDNICKA, M. - FARKAŠ, Vladimír. A colorimetric assay for xyloglucan-endotransglycosylase from germinating-seeds. In Analytical Biochemistry, 1995, vol. 229, issue 1, p. 80-85. ISSN 0003-2697.

Citácie:

1. [1.1] DOGRA, Vivek - SHARMA, Ruchika - YELAM, Sreenivasulu. Xyloglucan endo-transglycosylase/hydrolase (XET/H) gene is expressed during the seed germination in Podophyllum hexandrum: a high altitude Himalayan plant. In PLANTA. ISSN 0032-0935, 2016, vol. 244, no. 2, pp. 505-515., WOS

ADCA624 SULOVÁ, Zdena - BARAN, R. - FARKAŠ, Vladimír. Divergent modes of action on xyloglucan of two isoenzymes of xyloglucan endo-transglycosylase from Tropaeolum majus. In Plant Physiology and Biochemistry : an official journal of the Federation of European Societies of Plant Biology (FESPB) and the French Society of Plant Biology (Société Française de Biologie Végétale (SFBV)), 2003, vol. 41, no. 5, p. 431-437. ISSN 0981-9428.

Citácie:

1. [1.1] HAN, Ye - BAN, Qiuyan - HOU, Yali - MENG, Kun - SUO, Jiangtao - RAO, Jingping. Isolation and Characterization of Two Persimmon Xyloglucan Endotransglycosylase/Hydrolase (XTH) Genes That Have Divergent Functions in Cell Wall Modification and Fruit Postharvest Softening. In FRONTIERS IN PLANT SCIENCE. ISSN 1664-462X, 2016, vol. 7, no., pp., WOS

2. [1.1] HAN, Ye - BAN, Qiuyan - LI, Hua - HOU, Yali - JIN, Mijing - HAN, Shoukun - RAO, Jingping. DkXTH8, a novel xyloglucan endotransglucosylase/hydrolase in persimmon, alters cell wall structure and promotes leaf senescence and fruit postharvest softening. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., WOS

ADCA625 SYNYTSYA, Andriy - CHOI, Doo Jin - POHL, Radek - NA, Ye Seul - CAPEK, Peter - LATTOVÁ, Erika - TAUBNER, Tomáš - CHOI, Ji Won - LEE, Chang Won - PARK, Jae Kweon - KIM, Woo Jung - KIM, Sung Min - LEE, Jisun - PARK, Yong Il. Structural features and anti-coagulant activity of the sulphated polysaccharide SPS-CF from a green alga Capsosiphon fulvescens. In Marine Biotechnology, 2015, vol. 17, p. 718-735. (3.269 - IF2014). (2015 - Current Contents). ISSN 1436-2228.

Citácie:

1. [1.1] Marinval, N (Marinval, Nicolas); Saboural, P (Saboural, Pierre); Haddad, O (Haddad, Oualid); Maire, M (Maire, Murielle); Bassand, K (Bassand, Kevin); Geinguenaud, F (Geinguenaud, Frederic); Djaker, N (Djaker, Nadia); Ben Akrout, K (Ben Akrout, Khadija); de la Chapelle, ML (de la Chapelle, Marc Lamy); Robert, R (Robert, Romain); Oudar, O (Oudar, Olivier); Guyot, E (Guyot, Erwan); Laguillier-Morizot, C (Laguillier-Morizot, Christelle) et al. : Identification of a Pro-Angiogenic Potential and Cellular Uptake Mechanism of a LMW Highly Sulfated Fraction of Fucoidan from Ascophyllum nodosum. In: MARINE DRUGS Volume: 14 Issue: 10 Article Number: 185, WOS

ADCA626 SZU, S.C. - BYSTRICKÝ, Slavomír - HINOJOSA-AHUMADA, M. - EGAN, W. - ROBBINS, J.B. Synthesis and some immunological properties of an O-acetyl pectin (poly(1-4)-alfa-D-galpA)-protein conjugate as a vaccine for typhoid-fever. In Infection and Immunity, 1994, p. 5545-5549, vol. 62. ISSN 0019-9567.

Citácie:

1. [1.1] Rosales-Mendoza, S (Rosales-Mendoza, Sergio); Salazar-Gonzalez, JA (Salazar-Gonzalez, Jorge A.); Decker, EL (Decker, Eva L.); Reski, R (Reski, Ralf): Implications of plant glycans in the development of innovative vaccines. In: EXPERT REVIEW OF VACCINES Volume: 15 Issue: 7 Pages: 915-925, WOS

ADCA627 ŠAFÁŘ, Peter - ŽÚŽIOVÁ, Jozefína - MARCHALÍN, Štefan - PRÓNAYOVÁ, Nadežda - ŠVORC, Ľubomír - VRÁBEL, Viktor - ŠESTÁK, Sergej - RENDIČ, Dubravko - TOGNETTI, Vincent - JOUBERT, Laurent - DAICH, Adam. Combined chemical, biological and theoretical DFT-QTAIM study of potent glycosidase inhibitors based on quaternary indolizinium salts. In European Journal of Organic Chemistry, 2012, vol. 2012, p. 5498-5514. (3.329 - IF2011). (2012 - Current Contents). ISSN 1434-193X.

Citácie:

1. [1.1] Bobovska, A (Bobovska, Adela); Tvaroska, I (Tvaroska, Igor); Kona, J (Kona, Juraj): Using DFT methodology for more reliable predictive models: Design of inhibitors of Golgi alpha-Mannosidase II. In: JOURNAL OF MOLECULAR GRAPHICS & MODELLING Volume: 66 Pages: 47-57, WOS

2. [1.1] Elattar, KM (Elattar, Khaled M.); Youssef, I (Youssef, Ibrahim); Fadda, AA (Fadda, Ahmed A.): Reactivity of indolizines in organic synthesis. In: SYNTHETIC COMMUNICATIONS Volume: 46 Issue: 9 Pages: 719-744, WOS

3. [1.1] Oliveira, BG (Oliveira, Boaz G.); Alencar, EB (Alencar Filho, Edilson B.); Vasconcellos, MLAA (Vasconcellos, Mario L. A. A.): Comparisons between Crystallography Data and Theoretical Parameters and the Formation of Intramolecular Hydrogen Bonds: Benznidazole. In: CRYSTALS Volume: 6 Issue: 5 Article Number: 56, WOS

4. [1.1] Ruiz, I (Ruiz, Isela); Matito, E (Matito, Eduard); Holguin-Gallego, FJ (Jose Holguin-Gallego, Fernando); Francisco, E (Francisco, Evelio); Pendas, AM (Martin Pendas, Angel); Rocha-Rinza, T (Rocha-Rinza, Tomas): Fermi and Coulomb correlation effects upon the interacting quantum atoms energy partition. In: THEORETICAL CHEMISTRY ACCOUNTS Volume: 135 Issue: 9 Article Number: 209, WOS

ADCA628 ŠANDULA, Jozef - KOGAN, Grigorij - KAČURÁKOVÁ, Marta - MACHOVÁ, Eva. Microbial (1-3)-beta-glucans, their preparation, physico-chemical characterization and immunomodulatory activity. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 1999, vol. 38, p 247-253. (1.129 - IF1998). (1999 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Lee, SH (Lee, Sang Hoon); Jang, GY (Jang, Gwi Yeong); Kim, MY (Kim, Min Young); Hwang, IG (Hwang, In Guk); Kim, HY (Kim, Hyun Young); Woo, KS (Woo, Koan Sik); Lee, MJ (Lee, Mi Ja); Kim, TJ (Kim, Tae Jip); Lee, J (Lee, Junsoo); Jeong, HS (Jeong, Heon Sang): Physicochemical and in vitro binding properties of barley beta-glucan treated with hydrogen peroxide. In: FOOD CHEMISTRY Volume: 192 Pages: 729-735, WOS

2. [1.1] Lv, MY (Lv, Mengyuan); Hu, Y (Hu, Ying); Ganzle, MG (Ganzle, Michael G.); Lin, JG

(Lin, Jianguo); Wang, CG (Wang, Changgao); Cai, J (Cai, Jun): Preparation of chitooligosaccharides from fungal waste mycelium by recombinant chitinase. In: CARBOHYDRATE RESEARCH Volume: 430 Pages: 1-7, WOS
3. [1.1] Matijasevic, D (Matijasevic, Danka); Pantic, M (Pantic, Milena); Raskovic, B (Raskovic, Bozidar); Pavlovic, V (Pavlovic, Vladimir); Duvnjak, D (Duvnjak, Dunja); Sknepnek, A (Sknepnek, Aleksandra); Niksic, M (Niksic, Miomir): The Antibacterial Activity of Coriolus versicolor Methanol Extract and Its Effect on Ultrastructural Changes of Staphylococcus aureus and Salmonella Enteritidis. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1226, WOS
4. [1.1] Pardo-Ruiz, Z (Pardo-Ruiz, Zenia); Menendez-Sardinas, DE (Menendez-Sardinas, Dalia E.); Pacios-Michelena, A (Pacios-Michelena, Anabel); Gabilondo-Ramirez, T (Gabilondo-Ramirez, Tatiana); Montero-Alejo, V (Montero-Alejo, Vivian); Perdomo-Morales, R (Perdomo-Morales, Rolando): Soluble beta-(1,3)-glucans enhance LPS-induced response in the monocyte activation test, but inhibit LPS-mediated febrile response in rabbits: Implications for pyrogenicity tests. In: EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES Volume: 81 Pages: 18-26, WOS
5. [1.1] Salon, I (Salon, Ivan); Hanus, J (Hanus, Jaroslav); Ulbrich, P (Ulbrich, Pavel); Stepanek, F (Stepanek, Frantisek): Suspension stability and diffusion properties of yeast glucan microparticles. In: FOOD AND BIOPRODUCTS PROCESSING Volume: 99 Pages: 128-135, WOS
6. [1.1] Shah, A (Shah, Asima); Gani, A (Gani, Adil); Ahmad, M (Ahmad, Mudasir); Ashwar, BA (Ashwar, Bilal Ahmad); Masoodi, FA (Masoodi, F. A.): beta-Glucan as an encapsulating agent: Effect on probiotic survival in simulated gastrointestinal tract. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 82 Pages: 217-222, WOS
7. [1.1] Shao, YJ (Shao, Yujing); Wang, Z (Wang, Zhong); Tian, XY (Tian, Xiangyu); Guo, YM (Guo, Yuming); Zhang, HB (Zhang, Haibo): Yeast beta-D-glucans induced antimicrobial peptide expressions against Salmonella infection in broiler chickens. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 85 Pages: 573-584, WOS
8. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In: MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS
9. [1.1] Varelas, V (Varelas, Vassileios); Liouni, M (Liouni, Maria); Calokerinos, AC (Calokerinos, Antony C.); Nerantzis, ET (Nerantzis, Elias T.): An evaluation study of different methods for the production of -D-glucan from yeast biomass. In: DRUG TESTING AND ANALYSIS Volume: 8 Issue: 1 Pages: 46-56, WOS
10. [1.1] Zhang, B (Zhang, Bing); Guan, Y (Guan, Ying); Bian, J (Bian, Jing); Peng, F (Peng, Feng); Ren, JL (Ren, Jun-Li); Yao, CL (Yao, Chun-Li); Sun, RC (Sun, Run-Cang): STRUCTURE OF HEMICELLULOSES UPON MATURATION OF BAMBOO (Neosinocalamus affinis) CULMS. In: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 50 Issue: 2 Pages: 189-198, WOS
11. [1.1] Zhang, XD (Zhang, Xiudong); Li, MF (Li, Mingfei); Zhong, LX (Zhong, Linxin); Peng, XW (Peng, Xinwen); Sun, RC (Sun, Runcang): Microwave-assisted Extraction of Polysaccharides from Bamboo (Phyllostachys acuta) Leaves and their Antioxidant Activity. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5100-5112, WOS

ADCA629 ŠANDULA, Jozef - MACHOVÁ, Eva - HRIBALOVA, V. Mitogenic activity of particulate yeast á-(1,3)-D-glucan and its water-soluble derivatives. In International Journal of Biological Macromolecules, 1995, vol. 17, no. 6, p. 323-326. ISSN 0141-8130.

Citácie:

1. [1.1] Tang, QL (Tang, Qilin); Huang, GL (Huang, Gangliang): Progress in Polysaccharide Derivatization and Properties. In:MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 16 Issue: 15 Pages: 1244-1257, WOS
2. [1.2] Peltzer, M. A., Salvay, A. G., Delgado, J. F., & Wagner, J. R. (2016). Use of edible films and coatings for functional foods developments: A review. In Functional foods: Sources, health effects and future perspectives (Nova Science Publishers, chapter 1, pp. 1-26), SCOPUS

ADCA630 ŠEDIVÁ, Mária - KLAUDINY, Jaroslav. Antimikrobiálne látky z materskej kašičky. In Chemické Listy, 2015, vol. 109, p. 755-761. (0.272 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0009-2770.

Citácie:

1. [1.1] Abdullah, MS (Abdullah, Mai Shihah); Abdullah, N (Abdullah, Nasuruddin): SKIN TEST REACTIVITY TO BEE HIVE PRODUCTS (HONEY BEES, HONEY, ROYAL JELLY AND POLLEN). In: JURNAL TEKNOLOGI Volume: 78 Issue: 5-10, WOS

ADCA631 ŠEFČOVIČOVÁ, Jana, Blahutová - FILIP, Jaroslav - GEMEINER, Peter - VIKARTOVSKÁ, Alica, Welwardová - PÄTOPRSTÝ, Vladimír - TKÁČ, Ján. High performance microbial 3-D

bionanocomposite as a bioanode for a mediated biosensor device. In Electrochemistry Communications, 2011, vol. 13, p. 966-968. (4.282 - IF2010). (2011 - Current Contents). ISSN 1388-2481.

Citácie:

1. [1.1] Fang, DY (Fang, Deyu); Gao, GY (Gao, Guanyue); Shen, J (Shen, Jie); Yu, Y (Yu, Yuan); Zhi, JF (Zhi, Jinfang): A reagentless electrochemical biosensor based on thionine wrapped E-coli and chitosan-entrapped carbon nanodots film modified glassy carbon electrode for wastewater toxicity assessment. In: ELECTROCHIMICA ACTA Volume: 222 Pages: 303-311, WOS

2. [1.1] Zafar, R (Zafar, Rabia); Zia, KM (Zia, Khalid Mahmood); Tabasum, S (Tabasum, Shazia); Jabeen, F (Jabeen, Farukh); Noreen, A (Noreen, Aqdas); Zuber, M (Zuber, Mohammad): Polysaccharide based bionanocomposites, properties and applications: A review. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 92 Pages: 1012-1024, WOS

ADCA632 ŠEFČOVIČOVÁ, Jana, Blahutová - FILIP, Jaroslav - MASTIHUBA, Vladimír - GEMEINER, Peter - TKÁČ, Ján. Analysis of ethanol in fermentation samples by a robust nanocomposite-based microbial biosensors. In Biotechnology Letters, 2012, vol. 34, p. 1033-1039. (1.683 - IF2011). (2012 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS

2. [1.1] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016). Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS

ADCA633 ŠEFČOVIČOVÁ, Jana, Blahutová - KATRLÍK, Jaroslav - ŠTEFUCA, V. - MASTIHUBA, Vladimír - VOŠTIAR, I. - GREIF, G. - BUČKO, Marek - TKÁČ, Ján - GEMEINER, Peter. A filtration probe-free on-line monitoring of glycerol during fermentation by a biosensor device. In Enzyme and Microbial Technology, 2008, vol. 42, p. 434-439. ISSN 0141-0229.

Citácie:

1. [1.2] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016). Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS

ADCA634 ŠEFČOVIČOVÁ, Jana, Blahutová - VIKARTOVSKÁ, Alica, Welwardová - PÄTOPRSTÝ, Vladimír - MAGDOLEN, Peter - KATRLÍK, Jaroslav - TKÁČ, Ján - GEMEINER, Peter. Off-line FIA monitoring of D-dorbitol consumption during L-sorbose production using a sorbitol biosensor. Vladimír Pätoprstý. In Analytica Chimica Acta, 2009, vol.644, pp. 68-71.

Citácie:

1. [1.1] Pinto, PCAG (Pinto, Paula C. A. G.); Amorim, CMG (Amorim, Celia M. G.); Araujo, AN (Araujo, Alberto N.); Montenegro, MCBSM (Montenegro, M. Conceicao B. S. M.); Saraiva, MLMFS (Saraiva, M. Lucia M. F. S.): Determination of Aspartame and Sorbitol. In: FLOW INJECTION ANALYSIS OF FOOD ADDITIVES Book Series Title: Food Analysis and Properties Pages: 449-464, WOS

2. [1.2] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016). Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS

3. [1.2] Scognamiglio, V., Antonacci, A., Lambreva, M. D., Arduini, F., Palleschi, G., Litescu, S. C., Johanningmeier, U., Rea, G. (2016). Application of biosensors for food analysis. In Food safety: Innovative analytical tools for safety assessment (John Wiley & Sons, chapter 11, pp. 395-434), SCOPUS

4. [1.2] Yang, W., & Xu, H. (2016). Industrial fermentation of vitamin C. In Industrial biotechnology of vitamins, biopigments, and antioxidants (Wiley-VCH, chapter 7, pp. 161-192), SCOPUS

ADCA635 ŠEFČOVIČOVÁ, Jana, Blahutová - FILIP, Jaroslav - TOMČÍK, Peter - GEMEINER, Peter - BUČKO, Marek - MAGDOLEN, Peter - TKÁČ, Ján. A biopolymer-based carbon nanotube interface integrated with a redox shuttle and a D-sorbitol dehydrogenase for robust monitoring of D-sorbitol. In Microchimica Acta, 2011, vol. 175, p. 21-30. (2.578 - IF2010). (2011 - Current Contents). ISSN 0026-3672.

Citácie:

1. [1.1] Pinto, PCAG (Pinto, Paula C. A. G.); Amorim, CMG (Amorim, Celia M. G.); Araujo, AN (Araujo, Alberto N.); Montenegro, MCBSM (Montenegro, M. Conceicao B. S. M.); Saraiva, MLMFS (Saraiva, M. Lucia M. F. S.): : Determination of Aspartame and Sorbitol.In: FLOW INJECTION ANALYSIS OF FOOD ADDITIVES Book Series Title: Food Analysis and Properties

Pages: 449-464, WOS
2. [3.1] Marques C., Tarek R., Sara M., Brar S.K. (2016). Sorbitol production from biomass and its global market. In Satinder Kaur Brar, Saurabh Jyoti Sarma, Kannan Pakshirajan (eds.). Platform Chemical Biorafinery: Future Green Chemistry. (Elsevier, chapter 12, p. 217-227)

ADCA636 ŠESTÁK, Sergej - HAGEN, I. - TANNER, W. - STRAHL, S. Scw10p, a cell-wall glucanase/transglucosidase important for cell-wall stability in Saccharomyces cerevisiae. In Microbiology-SGM, 2004, vol. 150, pp. 3197-3208. ISSN 1350-0872 (Print).

Citácie:
1. [1.1] Borovikova, D (Borovikova, Diana); Teparic, R (Teparic, Renata); Mrsa, V (Mrsa, Vladimir); Rapoport, A (Rapoport, Alexander): Anhydrobiosis in yeast: cell wall mannoproteins are important for yeast Saccharomyces cerevisiae resistance to dehydration. In: YEAST Volume: 33 Issue: 8 Special Issue: SI Pages: 347-353, WOS
2. [1.1] Qin, Z (Qin, Zhen); Yan, QJ (Yan, Qiaojuan); Yang, SQ (Yang, Shaoqing); Jiang, ZQ (Jiang, Zhengqiang): Modulating the function of a beta-1,3-glucanosyltransferase to that of an endo-beta-1,3-glucanase by structure-based protein engineering. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 4 Pages: 1765-1776, WOS
3. [1.1] Weinhandl, K (Weinhandl, Katrin); Ballach, M (Ballach, Melanie); Winkler, M (Winkler, Margit); Ahmad, M (Ahmad, Mudassar); Glieder, A (Glieder, Anton); Birner-Gruenberger, R (Birner-Gruenberger, Ruth); Fotheringham, I (Fotheringham, Ian); Escalettes, F (Escalettes, Franck); Camattari, A (Camattari, Andrea): Pichia pastoris mutants as host strains for efficient secretion of recombinant branched chain aminotransferase (BCAT). In: JOURNAL OF BIOTECHNOLOGY Volume: 235 Special Issue: SI Pages: 84-91, WOS

ADCA637 ŠESTÁK, Sergej - FARKAŠ, Vladimír. Metabolic regulation of endoglucanase synthesis in Trichoderma reesei-participation of cyclic AMP and glucose-6-phosphate. In Canadian journal of microbiology : revue canadienne de microbiologie, 1993, vol . 39, p. 342-347. ISSN 0008-4166.

Citácie:
1. [1.1] Druzhinina, IS (Druzhinina, I. S.); Kubicek, CP (Kubicek, C. P.): Familiar Stranger: Ecological Genomics of the Model Saprotroph and Industrial Enzyme Producer Trichoderma reesei Breaks the Stereotypes. In: ADVANCES IN APPLIED MICROBIOLOGY, VOL 95 Book Series Title: Advances in Applied Microbiology Volume: 95 Pages: 69-147, WOS
2. [1.1] Schmoll, M (Schmoll, Monika); Dattenbock, C (Dattenboeck, Christoph); Carreras-Villasenor, N (Carreras-Villasenor, Nohem); Mendoza-Mendoza, A (Mendoza-Mendoza, Artemio); Tisch, D (Tisch, Doris); Aleman, MI (Ivan Aleman, Mario); Baker, SE (Baker, Scott E.); Brown, C (Brown, Christopher); Cervantes-Badillo, MG (Guadalupe Cervantes-Badillo, Mayte) et al: The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three Trichoderma Species. In: MICROBIOLOGY AND MOLECULAR BIOLOGY REVIEWS Volume: 80 Issue: 1 Pages: 205-327, WOS
3. [1.1] Stappler, E (Stappler, Eva); Rodriguez-Iglesias, A (Rodriguez-Iglesias, Aroa); Bazafkan, H (Bazafkan, Hoda); Li, GF (Li, Guofen); Schmoll, M (Schmoll, Monika): Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 309-334, WOS

ADCA638 ŠIMKOVIC, Ivan - CSOMOROVÁ, Katarína. Thermogravimetric analysis of agricultural residues: Oxygen effect and environmental impact. In Journal of Applied Polymer Science, 2006, vol. 100, no. 2, p. 1318-1322. (1.072 - IF2005). (2006 - Current Contents). ISSN 0021-8995.

Citácie:
1. [1.1] VARMA, A.K. - MONDAL, P. Physicochemical characterization and kinetic study of pine needle for pyrolysis process. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, APR 2016, vol. 124, no. 1, p. 487-497., WOS

ADCA639 ŠIMKOVIC, Ivan. What could be greener than composites made from polysaccharides? In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2008, vol. 74, p. 759-762. ISSN 0144-8617.

Citácie:
1. [1.1] Govindan, V (Govindan, Vaniespree); Husseinsyah, S (Husseinsyah, Salmah); Leng, TP (Leng, Teh Pei): Treated Nypa fruticans Husk-filled Regenerated Cellulose Biocomposite Films. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8739-8755, WOS
2. [1.1] Husseinsyah, S (Husseinsyah, Salmah); Zailuddin, NLI (Zailuddin, Nur Liyana Izyan); Li, CL (Li, Chew Li); Zakaria, MM (Zakaria, Marliza Mostapha): Tensile and Characterization Properties of Regenerated Cellulose Empty Fruit Bunch Biocomposite Films Using Ionic Liquid. In: 2ND INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS AND METALLURGY (ICOFM 2016) Book Series Title: AIP Conference Proceedings Volume: 1756 Article Number: UNSP 040008, WOS
3. [1.1] Kalaoglu, OI (Kalaoglu, Ozlem I.); Uuml;nlu, CH (Unlu, Cuneyt H.); Atici, OG (Atici,

Oya Galioglu): Synthesis, characterization and electrospinning of corn cob cellulose-graft-polyacrylonitrile and their clay nanocomposites. In: CARBOHYDRATE POLYMERS Volume: 147 Pages: 37-44, WOS
4. [1.1] Murguia-Flores, DA (Murguia-Flores, Dennise A.); Bonilla-Rios, J (Bonilla-Rios, Jaime); Canales-Fiscal, MR (Canales-Fiscal, Martha R.); Sanchez-Fernandez, A (Sanchez-Fernandez, Antonio): Protein adsorption through Chitosan-Alginate membranes for potential applications. In: CHEMISTRY CENTRAL JOURNAL Volume: 10 Article Number: 26, WOS
5. [1.2] Bhatia, S. (2016). In Systems for drug delivery: Safety, animal, and microbial polysaccharides (Springer, pp. 1-197), SCOPUS

ADCA640 ŠIMKOVIC, Ivan - DLAPA, P. - DOERR, S.H. - MATAIX-SOLERA, J. - SASINKOVÁ, Vlasta. Thermal destruction of soil water repellency and aasociated changes to soil organic matters as observed by FTIR spectroscopy. In CATENA, 2008, vol.74, p. 205-211. ISSN 0341-8162.

Citácie:
1. [1.1] Aznar, JM (Aznar, Javier M.); Gonzalez-Perez, JA (Gonzalez-Perez, Jose A.); Badia, D (Badia, David); Marti, C (Marti, Clara): AT WHAT DEPTH ARE THE PROPERTIES OF A GYPSEOUS FOREST TOPSOIL AFFECTED BY BURNING?. In: LAND DEGRADATION & DEVELOPMENT Volume: 27 Issue: 5 Special Issue: SI Pages: 1344-1353, WOS
2. [1.1] Dong, XL (Dong, Xinliang); Guan, TY (Guan, Tianyu); Li, GT (Li, Guitong); Lin, QM (Lin, Qimei); Zhao, XR (Zhao, Xiaorong): Long-term effects of biochar amount on the content and composition of organic matter in soil aggregates under field conditions. In: JOURNAL OF SOILS AND SEDIMENTS Volume: 16 Issue: 5 Pages: 1481-1497, WOS
3. [1.1] Keck, H (Keck, Hannes); Felde, VJMNL (Felde, Vincent John Martin Noah Linus); Drahorad, SL (Drahorad, Sylvie Laureen); Felix-Henningsen, P (Felix-Henningsen, Peter): Biological soil crusts cause subcritical water repellency in a sand dune ecosystem located along a rainfall gradient in the NW Negev desert, Israel. In: JOURNAL OF HYDROLOGY AND HYDROMECHANICS Volume: 64 Issue: 2 Pages: 133-140, WOS
4. [1.1] Margenot, AJ (Margenot, Andrew J.); Calderon, FJ (Calderon, Francisco J.); Parikh, SJ (Parikh, Sanjai J.): Limitations and Potential of Spectral Subtractions in Fourier-Transform Infrared Spectroscopy of Soil Samples. In: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 80 Issue: 1 Pages: 10-26, WOS
5. [1.1] Rial, M (Rial, Marcela); Cortizas, AM (Martinez Cortizas, Antonio); Rodriguez-Lado, L (Rodriguez-Lado, Luis): Mapping soil organic carbon content using spectroscopic and environmental data: A case study in acidic soils from NW Spain. In: SCIENCE OF THE TOTAL ENVIRONMENT Volume: 539 Pages: 26-35, WOS
6. [1.1] Zornoza, R (Zornoza, Raul); Rosales, RM (Rosales, R. M.); Acosta, JA (Acosta, Jose A.); de la Rosa, JM (Maria de la Rosa, Jose); Arcenegui, V (Arcenegui, Victoria); Faz, A (Faz, Angel); Perez-Pastor, A (Perez-Pastor, Alejandro): Efficient irrigation management can contribute to reduce soil CO2 emissions in agriculture. In: GEODERMA Volume: 263 Pages: 70-77, WOS

ADCA641 ŠIMKOVIC, Ivan - JAKAB, E. Thermogravimetry/mass spectrometry study of weakly basic starch-based ion exchanger. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2001, vol. 45, p. 53-59. (1.184 - IF2000). (2001 - Current Contents). ISSN 0144-8617.

Citácie:
1. [1.1] Sobolkina, A (Sobolkina, Anastasia); Mechtcherine, V (Mechtcherine, Viktor); Bergold, ST (Bergold, Sebastian T.); Neubauer, J (Neubauer, Juergen); Bellmann, C (Bellmann, Cornelia); Khavrus, V (Khavrus, Vyacheslav); Oswald, S (Oswald, Steffen); Leonhardt, A (Leonhardt, Albrecht); Reschetilowski, W (Reschetilowski, Wladimir): Effect of Carbon-Based Materials on the Early Hydration of Tricalcium Silicate. In: JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 99 Issue: 6 Pages: 2181-2196, WOS

ADCA642 ŠIMKOVIC, Ivan - WHITE, Robert, H. - FULLER, Anne, M. Flammability studies of impregnated paper sheets. In Journal of Thermal Analysis and Calorimetry, 2012, vol. 107, p. 519-526. (1.604 - IF2011). ISSN 1388-6150.

Citácie:
1. [1.1] Sha, LZ (Sha, Li-Zheng); Chen, KF (Chen, Ke-Fu): Surface modification of ammonium polyphosphate-diatomaceous earth composite filler and its application in flame-retardant paper. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 123 Issue: 1 Pages: 339-347, WOS

ADCA643 ŠIMKOVIC, Ivan - YADAV, Madhav P. - ZALIBERA, Michal - HICKS, Kevin B. Chemical modification of corn fiber with ion-exchanging groups. Michal Zalibera, Kevin B. Hicks. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2009, vol.76, s.250-254. (2.644 - IF2008). ISSN 0144-8617.

Citácie:
1. [1.1] Dionisio, M (Dionisio, M.); Braz, L (Braz, L.); Corvo, M (Corvo, M.); Lourenco, JP

(Lourenco, J. P.); Grenha, A (Grenha, A.); da Costa, AMR (Rosa da Costa, A. M.): Charged pullulan derivatives for the development of nanocarriers by polyelectrolyte complexation. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 129-138, WOS

ADCA644 ŠIMKOVIC, Ivan - HRICOVÍNI, Miloš - ŠOLTÉS, Ladislav - MENDICHI, Raniero - COSENTINO, C. Preparation of water-soluble/insoluble derivatives of hyaluronic acid by cross-linking with epichlorohydrin in aqueous NaOH/NH4OH solution. In Carbohydrate Polymers. - Oxford : Elsevier, 2000, vol. 41, p. 9-14. (0.987 - IF1999). (2000 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] AL-SIBANI, M. - AL-HARRASI, A. - NEUBERT, R.H.H. Study of the effect of mixing approach on cross-linking efficiency of hyaluronic acid-based hydrogel cross-linked with 1,4-butanediol diglycidyl ether. In EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES. ISSN 0928-0987, 2016, vol. 91, p. 131-137., WOS

2. [1.1] HANKE-ROOS, M. - MESECK, G.R. - ROSENHAHN, A. Catch bond interaction allows cells to attach to strongly hydrated interfaces. In BIOINTERPHASES. ISSN 1934-8630, 2016, vol. 11, no. 1, p. 1-8, article number 018905., WOS

3. [1.1] PLUDA, S. - PAVAN, M. - GALESSO, D. - GUARISE, C. Hyaluronic acid auto-crosslinked polymer (ACP): Reaction monitoring, process investigation and hyaluronidase stability. In CARBOHYDRATE RESEARCH. ISSN 0008-6215, vol. 433, p. 47-53., WOS

4. [1.1] SHI, S.J. - ZHOU, M. - LI, X. - HU, M. - LI, C.W. - LI, M. - SHENG, F.F. - LI, Z.H. - WU, G.L. - LUO, M.H. - CUI, H.H. - LI, Z.W. - FU, R.Q. - XIANG, M.F. - XU, J. - ZHANG, Q. - LU, L.C. Synergistic active targeting of dually integrin alpha(v)beta(3)/CD44-targeted nanoparticles to B16F10 tumors located at different sites of mouse bodies. In JOURNAL OF CONTROLLED RELEASE. ISSN 0168-3659, 2016, vol. 235, p. 1-13., WOS

ADCA645 ŠIMKOVIC, Ivan - MENDICHI, Raniero - KELNAR, Ivan - FILIP, Jaroslav - HRICOVÍNI, Miloš. Cationization of heparin for film applications. In Carbohydrate Polymers, 2015, vol. 115, p. 551-558. (4.074 - IF2014). (2015 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Bedini, E (Bedini, Emiliano); Laezza, A (Laezza, Antonio); Iadonisi, A (Iadonisi, Alfonso): Chemical Derivatization of Sulfated Glycosaminoglycans. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 18 Pages: 3018-3042, WOS

ADCA646 ŠIMKOVIC, Ivan - MARTVOŇOVÁ, H. - MANIKOVÁ, D. - GREXA, O. Flammability studies of sodium thiosulphate or metabisulphite impregnated wood using cone calorimeter. In Fire and Materials, 2007, vol. 31, p. 137-145. ISSN 0308-0501.

Citácie:

1. [1.1] Merk, V (Merk, Vivian); Chanana, M (Chanana, Munish); Gaan, S (Gaan, Sabyasachi); Burgert, I (Burgert, Ingo): Mineralization of wood by calcium carbonate insertion for improved flame retardancy. In: HOLZFORSCHUNG Volume: 70 Issue: 9 Pages: 867-876, WOS

ADCA647 ŠIMKOVIC, Ivan - MENDRICHI, R. - UHLIARIKOVÁ, Iveta. Modification of polygalacturonic acid hydroxyls with trimethylammonium-and/or sulfonate-2-hydroxypropyl group. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2008, vol. 74, p. 611-616. ISSN 0144-8617.

Citácie:

1. [1.1] Cizova, A (Cizova, Alzbeta); Nescakova, Z (Nescakova, Zuzana); Malovikova, A (Malovikova, Anna); Bystricky, S (Bystricky, Slavomir): Cizova, A (Cizova, Alzbeta); Nescakova, Z (Nescakova, Zuzana); Malovikova, A (Malovikova, Anna); Bystricky, S (Bystricky, Slavomir): Preparation and characterization of cationic and amphoteric mannans from Candida albicans. In: CARBOHYDRATE POLYMERS Volume: 149 Pages: 1-7, WOS

2. [1.1] El Barkany, S (El Barkany, Soufian); El Idrissi, A (El Idrissi, Abderahmane); Zannagui, C (Zannagui, Chahid); Tabaght, F (Tabaght, Fatima); Maaroufi, AK (Maaroufi, Abdel-Karim); Abou-Salama, M (Abou-Salama, Mohamed); Amhamdi, H (Amhamdi, Hassan). In: Homogeneous Grafting of New Amido Groups onto Hydroxyethyl Cellulose Acetate Microfibrils: Solubility Study. In: MOROCCAN JOURNAL OF CHEMISTRY Volume: 4 Issue: 3 Pages: 743-758, WOS

ADCA648 ŠIMKOVIC, Ivan - KELNAR, Ivan - UHLIARIKOVÁ, Iveta - MENDICHI, Raniero - MANDALIKA, Anurag - ELDER, Thomas. Carboxymethylated-, hydroxypropylsulfonated- and quaternized xylan derivative films. In Carbohydrate Polymers, 2014, vol. 110, p. 464-471. (3.916 - IF2013). (2014 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Konduri, MKR (Konduri, Mohan K. R.); Fatehi, P (Fatehi, Pedram): Synthesis and characterization of carboxymethylated xylan and its application as a dispersant. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 26-35, WOS

2. [1.1] Sousa, S (Sousa, Sonia); Pedrosa, J (Pedrosa, Jorge); Ramos, A (Ramos, Ana); Ferreira, PJ (Ferreira, Paulo J.); Gamelas, JAF (Gamelas, Jose A. F.): Surface properties of xylan and

xylan derivatives measured by inverse gas chromatography. In: COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 506 Pages: 600-606, WOS
3. [1.1] Sousa, S (Sousa, Sonia); Ramos, A (Ramos, Ana); Evtuguin, DV (Evtuguin, Dmitry V.); Gamelas, JAF (Gamelas, Jose A. F.): Xylan and xylan derivatives-Their performance in bio-based films and effect of glycerol addition. In: INDUSTRIAL CROPS AND PRODUCTS Volume: 94 Pages: 682-689, WOS

ADCA649 ŠIMKOVIC, Ivan - LASZLO, J.A. - THOMPSON, A.R. Preparation of weakly basic ion exchanger by crosslinking starch with epichlorohydrin in the presence of NH4OH. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 1996, vol. 30, p. 25-30. ISSN 0144-8617.

Citácie:

1. [1.1] Saha, NR (Saha, Nayan Ranjan); Sarkar, G (Sarkar, Gunjan); Roy, I (Roy, Indranil); Rana, D (Rana, Dipak); Bhattacharyya, A (Bhattacharyya, Amartya); Adhikari, A (Adhikari, Arpita); Mukhopadhyay, A (Mukhopadhyay, Asis); Chattopadhyay, D (Chattopadhyay, Dipankar): Studies on methylcellulose/pectin/montmorillonite nanocomposite films and their application possibilities. In: CARBOHYDRATE POLYMERS Volume: 136 Pages: 1218-1227, WOS

ADCA650 ŠIMKOVIC, Ivan - VARHEGYI, G. - ANTAL, M. - EBRINGEROVÁ, Anna - SZEKELY, T. - SZABO, P. Thermogravimetric mass-spectrometric characterization of the thermal decomposition of (4-O-methyl-D-glucurono)-D-xylan. In Journal of Applied Polymer Science, 1988, vol. 36, p. 721-728. ISSN 0021-8995.

Citácie:

1. [1.1] Branca, C (Branca, C.); Di Blasi, C (Di Blasi, C.); Galgano, A (Galgano, A.): Chemical characterization of volatile products of biomass pyrolysis under significant reaction-induced overheating. In: JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS Volume: 119 Pages: 8-17, WOS
2. [1.1] Huang, J. B., Wu, L. Q., Tong, H., Liu, C., He, C., & Pan, G. Y. (2016). Theoretical study on thermal degradation mechanism of hemicellulose model compound. Ranliao Huaxue Xuebao/Journal of Fuel Chemistry and Technology, 44(8), 911-920, SCOPUS
3. [1.1] Matsuoka, S (Matsuoka, Seiji); Kawamoto, H (Kawamoto, Haruo); Saka, S (Saka, Shiro): Reactivity of cellulose reducing end in pyrolysis as studied by methyl glucoside-impregnation. In: CARBOHYDRATE RESEARCH Volume: 420 Pages: 46-50, WOS

ADCA651 ŠIMKOVIC, Ivan - GEDEON, Ondrej - UHLIARIKOVÁ, Iveta - MENDICHI, Raniero - KIRSCHNEROVÁ, Soňa. Positively and negatively charged xylan films. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2011, vol. 83, p. 769-775. (3.463 - IF2010). (2011 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Silva, TCF (Silva, Teresa Cristina Fonseca); Silva, D (Silva, Deusanilde); Lucia, LA (Lucia, Lucian A.):THE MULTIFUNCTIONAL CHEMICAL TUNABILITY OF WOOD-BASED POLYMERS FOR ADVANCED BIOMATERIALS APPLICATIONS. In:GREEN BIORENEWABLE BIOCOMPOSITES: FROM KNOWLEDGE TO INDUSTRIAL APPLICATIONS Pages: 427-459, WOS
2. [1.1] Vega, B (Vega, Beatriz); Grigoray, O (Grigoray, Olga); Gustafsson, J (Gustafsson, Jan); Fardim, P (Fardim, Pedro): Advances in Sugar-based Polymers: Xylan and its Derivatives for Surface Modification of Pulp Fibres. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 134-158, WOS

ADCA652 ŠIMKOVIC, Ivan - MARTVOŇOVÁ, H. - MANÍKOVÁ, D. - GREXA, O. Flame retardance of immobilized silica inside of wood material. In Journal of Materials Chemistry, 2005, vol. 97, p. 1948-1952. ISSN 0959-9428.

Citácie:

1. [1.1] Merk, V (Merk, Vivian); Chanana, M (Chanana, Munish); Gaan, S (Gaan, Sabyasachi); Burgert, I (Burgert, Ingo): Mineralization of wood by calcium carbonate insertion for improved flame retardancy. In: HOLZFORSCHUNG Volume: 70 Issue: 9 Pages: 867-876, WOS
2. [1.1] Xiao, ZF (Xiao, Zefang); Xu, JJ (Xu, Jiejie); Mai, C (Mai, Carsten); Militz, H (Militz, Holger); Wang, QW (Wang, Qingwen); Xie, YJ (Xie, Yanjun): Combustion behavior of Scots pine (Pinus sylvestris L.) sapwood treated with a dispersion of aluminum oxychloride-modified silica. In: HOLZFORSCHUNG Volume: 70 Issue: 12 Pages: 1165-1173, WOS

ADCA653 ŠIMKOVIC, Ivan - FRANCIS, B. A. - REEVES, J.B. Pyrolysis-gas chromatography mass spectrometry analysis of starch-based ion-exchangers. In Journal of Analytical and Applied Pyrolysis, 1997, vol. 43, p. 145-155.

Citácie:

1. [1.1] Worzakowska, M (Worzakowska, Marta): Starch-g-poly(benzyl methacrylate) copolymers Characterization and thermal properties. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 124 Issue: 3 Pages: 1309-1318, WOS

ADCA654 ŠIMKOVIC, Ivan - GEDEON, Ondrej - UHLIARIKOVÁ, Iveta - MENDICHI, Raniero - KIRSCHNEROVÁ, Soňa. Xylan sulphate films. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2011, vol. 86, p. 214-218. (3.463 - IF2010). (2011 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Bayati, F (Bayati, Fatemeh); Boluk, Y (Boluk, Yaman); Choi, P (Choi, Phillip): A SHORT REVIEW OF USING WOOD FIBRES IN FOOD PACKAGING. In: J-FOR-JOURNAL OF SCIENCE & TECHNOLOGY FOR FOREST, WOS

2. [1.1] Lorenz, D (Lorenz, Dominic); Erasmy, N (Erasmy, Nicole); Akil, Y (Akil, Youssef); Saake, B (Saake, Bodo): A new method for the quantification of monosaccharides, uronic acids and oligosaccharides in partially hydrolyzed xylans by HPAEC-UV/VIS. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 181-187, WOS

ADCA655 ŠIMKOVIC, Ivan - HRICOVÍNI, Miloš - MENDICHI, R. - VAN SOEST, J.J.G. Cross-linking of starch with 1,2,3,4-diepoxybutane or 1,2,7,8-diepoxyoctane. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2004, vol. 55, p. 299-305. (1.597 - IF2003). (2004 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.2] Ganji, Y. (2016). Polyethylene/Starch-based biocomposites and bionanocomposites. In Polyethylene-based biocomposites and bionanocomposites (John Wiley & Sons, chapter 3, pp. 69-98), SCOPUS

ADCA656 ŠIMKOVIC, Ivan - MLYNÁR, Juraj - ALFOLDI, Juraj. Modification of corn cob meal with quaternary ammonium groups. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides. - Oxford : Elsevier, 1992, vol. 17, p. 285-288. ISSN 0144-8617.

Citácie:

1. [1.1] Zeng, YN (Zeng, Yining); Yarbrough, JM (Yarbrough, John M.); Mittal, A (Mittal, Ashutosh); Tucker, MP (Tucker, Melvin P.); Vinzant, TB (Vinzant, Todd B.); Decker, SR (Decker, Stephen R.); Himmel, ME (Himmel, Michael E.): In situ label-free imaging of hemicellulose in plant cell walls using stimulated Raman scattering microscopy. In: Biotechnology for Biofuels Volume: 9 Article Number: 256, WOS

ADCA657 ŠIMKOVIC, Ivan - TRACZ, Adam - KELNAR, Ivan - UHLIARIKOVÁ, Iveta - MENDICHI, Raniero. Quaternized and sulfated xylan derivative films. In Carbohydrate Polymers, 2014, vol. 99, p. 356-364. (3.916 - IF2013). (2014 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Ibrahim, S., Sultan, M., & Adeeb, Z. (2016). Water soluble cationic xylan-alginate polymer as packaging retardant-release peptide drug delivery. International Journal of PharmTech Research, 9(5), 119-128, SCOPUS

2. [1.1] Wu, GY (Wu, Guan-ya); Li, HP (Li, He-ping); Yang, X (Yang, Xu); Sun, Y (Sun, Yan); Zou, YD (Zou, Ying-dong): Synthesis and Characterization of Sulfonic Groups Bagasse Xylan Salicylate. In: 2016 INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND ENGINEERING (ESE 2016) Pages: 382-385, WOS

3. [1.2] Ali, A., & Ahmed, S. (2016). Natural polymers: An overview. In Natural polymers: Derivatives, blends and composites (Nova Science Publishers, Volume I, chapter 1, pp. 1-22), SCOPUS

ADCA658 ŠIMKOVIC, Ivan - SYNYTSYA, Andriy - UHLIARIKOVÁ, Iveta - ČOPÍKOVÁ, J. Amidated pectin derivatives with n-propyl-, 3-aminopropyl-, 3-propanol-or 7-aminoheptyl-substituent. In Carbohydrate Polymers : scientific and technological aspects of industrially important polysaccharides, 2009, vol. 76, s. 602-606. (2.644 - IF2008). ISSN 0144-8617.

Citácie:

1. [1.1] El Barkany, S (El Barkany, Soufian); El Idrissi, A (El Idrissi, Abderahmane); Zannagui, C (Zannagui, Chahid); Tabaght, F (Tabaght, Fatima); Maaroufi, AK (Maaroufi, Abdel-Karim); Abou-Salama, M (Abou-Salama, Mohamed); Amhamdi, H (Amhamdi, Hassan): Homogeneous Grafting of New Amido Groups onto Hydroxyethyl Cellulose Acetate Microfibrils: Solubility Study. In: MOROCCAN JOURNAL OF CHEMISTRY Volume: 4 Issue: 3 Pages: 743-758, WOS

2. [1.1] Tavakol, M (Tavakol, Moslem); Vasheghani-Farahani, E (Vasheghani-Farahani, Ebrahim); Mohammadifar, MA (Mohammadifar, Mohammad Amin); Soleimani, M (Soleimani, Masoud); Hashemi-Najafabadi, S (Hashemi-Najafabadi, Sameereh): Synthesis and characterization of an in situ forming hydrogel using tyramine conjugated high methoxyl gum tragacanth. In: JOURNAL OF BIOMATERIALS APPLICATIONS Volume: 30 Issue: 7 Pages: 1016-1025, WOS

ADCA659 ŠIMKOVIC, Ivan - ŠURINA, I. - VRIČAN, M. Primary reaction of sucrose thermal degradation. In Journal of Analytical and Applied Pyrolysis, 2003, vol. 70, p. 493-504. ISSN 0165-2370.

Citácie:

1. [1.1] Matos, J (Matos, Juan); Miranda, C (Miranda, Cristian); Poon, PS (Poon, Po S.); Mansilla, HD (Mansilla, Hector D.): Nanostructured hybrid TiO2-C for the photocatalytic conversion of phenol. In: SOLAR ENERGY Volume: 134 Pages: 64-71, WOS
2. [1.1] Zheng, LN (Zheng, Lina); Kulkarni, P (Kulkarni, Pramod); Birch, ME (Birch, M. Eileen); Deye, G (Deye, Gregory); Dionysiou, DD (Dionysiou, Dionysios D.): Near real-time measurement of carbonaceous aerosol using microplasma spectroscopy: Application to measurement of carbon nanomaterials . In: AEROSOL SCIENCE AND TECHNOLOGY Volume: 50 Issue: 11 Pages: 1155-1166, WOS

ADCA660 ŠIMKOVIC, Ivan. TG/DTG/DTA evaluation of flame retarded cotton fabrics and comparison to cone calorimeter data. In Carbohydrate Polymers, 2012, vol. 90, p. 976-981. (3.628 - IF2011). (2012 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Chen, XL (Chen, Xilei); Ma, CY (Ma, Cuiyong); Jiao, CM (Jiao, Chuanmei): Synergistic effects between iron-graphene and ammonium polyphosphate in flame-retardant thermoplastic polyurethane. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 2 Pages: 633-642, WOS
2. [1.1] Liu, L (Liu, Li); Zhao, XL (Zhao, Xiaolong); Ma, CY (Ma, Cuiyong); Chen, XL (Chen, Xilei); Li, SX (Li, Shaoxiang); Jiao, CM (Jiao, Chuanmei): Smoke suppression properties of carbon black on flame retardant thermoplastic polyurethane based on ammonium polyphosphate. In: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 3 Pages: 1821-1830, WOS

ADCA661 ŠIMKOVIC, Ivan. Flame retarded composite panels from sugar beet residues. In Journal of Thermal Analysis and Calorimetry, 2012, vol. 109, p. 1445-1455. ISSN 1388-6150.

Citácie:

1. [1.1] Karakus, K (Karakus, Kadir); Birbilen, Y (Birbilen, Yildiz); Mengeloglu, F (Mengeloglu, Fatih): Assessment of selected properties of LDPE composites reinforced with sugar beet pulp. In: MEASUREMENT Volume: 88 Pages: 137-146, WOS

ADCA662 ŠIMKOVIC, Ivan - ALFOLDI, Juraj - SCHULTEN, H.R. Effect of pretreatment on pyrolysis-field ionization mass spectrometric data of (4-O-methyl-D-glucurono)-D-xylan from beech wood. In Biomass and Bioenergy, 1993, vol. 4, p. 373-378. ISSN 0961-9534.

Citácie:

1. [1.1] Jegajeevagan, K (Jegajeevagan, K.); Mabilde, L (Mabilde, L.); Gebremikael, MT (Gebremikael, M. T.); Ameloot, N (Ameloot, N.); De Neve, S (De Neve, S.); Leinweber, P (Leinweber, P.); Sleutel, S (Sleutel, S.): : Artisanal and controlled pyrolysis-based biochars differ in biochemical composition, thermal recalcitrance, and biodegradability in soil. In: BIOMASS & BIOENERGY Volume: 84 Pages: 1-11, WOS

ADCA663 ŠIMKOVIC, Ivan. Unexplored possibilities of all-polysaccharide composites. In Carbohydrate Polymers, 2013, vol. 95, p. 697-715. (3.479 - IF2012). (2013 - Current Contents). ISSN 0144-8617.

Citácie:

1. [1.1] Delgado, Karen L; Varona, Giovanni A; Montilla, Camilo E; Villada, Héctor S: Efecto del Aditivo Tween 80 y de la Temperatura de Procesamiento en las Propiedades Mecánicas de Tensión de Películas Flexibles Elaboradas a Partir de Almidón de Yuca Termoplástico. In: Effect of the Additive Tween 80 and of the Process Temperature on the Mechanical Tensile Properties of Flexible Films Developed from Thermoplastic Cassava Starch. In: Información tecnológica Volume: 27 Issue: 6 Pages: 145-152, WOS
2. [1.1] Ibrahim, NA (Ibrahim, Nabil A.); Eid, BM (Eid, Basma M.): Potential Applications of Sustainable Polymers in Functionalization of Cellulosic Textile Materials. In: HANDBOOK OF SUSTAINABLE POLYMERS: PROCESSING AND APPLICATIONS Pages: 215-264, WOS
3. [1.1] Liu, J (Liu, Jun); Chinga-Carrasco, G (Chinga-Carrasco, Gary); Cheng, F (Cheng, Fang); Xu, WY (Xu, Wenyang); Willfor, S (Willfor, Stefan); Syverud, K (Syverud, Kristin); Xu, CL (Xu, Chunlin): Hemicellulose-reinforced nanocellulose hydrogels for wound healing application. In: CELLULOSE Volume: 23 Issue: 5 Pages: 3129-3143, WOS
4. [1.1] Mendes, JF (Mendes, J. F.); Paschoalin, RT (Paschoalin, R. T.); Carmona, VB (Carmona, V. B.); Neto, ARS (Sena Neto, Alfredo R.); Marques, ACP (Marques, A. C. P.); Marconcini, M (Marconcini, M.); Mattoso, LHC (Mattoso, L. H. C.); Medeiros, ES (Medeiros, E. S.); Oliveira, JE (Oliveira, J. E.): Biodegradable polymer blends based on corn starch and thermoplastic chitosan processed by extrusion. In: CARBOHYDRATE POLYMERS Volume: 137 Pages: 452-458 DOI: 10.1016/j.carbpol.2015.10.093 Published: FEB 10 2016 ISSN: 0144-8617, WOS
5. [1.1] Palma-Rodriguez, HM (Maria Palma-Rodriguez, Heidi); Berrios, JD (Berrios, Jose De Jesus); Glenn, G (Glenn, Gregory); Salgado-Delgado, R (Salgado-Delgado, Rene); Aparicio-Saguilan, A (Aparicio-Saguilan, Alejandro); Rodriguez-Hernandez, AI (Ines Rodriguez-Hernandez, Adriana); Vargas-Torres, A (Vargas-Torres, Apolonio): Effect of the storage conditions on mechanical properties and microstructure of biodegradable baked starch foams. In:

CYTA-JOURNAL OF FOOD Volume: 14 Issue: 3 Pages: 415-422, WOS
6. [1.1] Pereira, AGB (Pereira, Antonio G. B.); Fajardo, AR (Fajardo, Andre R.); Valente, AJM (Valente, Artur J. M.); Rubira, AF (Rubira, Adley F.); Muniz, EC (Muniz, Edvani C.): Outstanding Features of Starch-based Hydrogel Nanocomposites. In: STARCH-BASED BLENDS, COMPOSITES AND NANOCOMPOSITES Book Series Title: RSC Green Chemistry Series Issue: 37 Pages: 236-262, WOS
7. [1.1] Rios-Soberanis, CR (Rolando Rios-Soberanis, Carlos); Estrada-Leon, RJ (Javier Estrada-Leon, Raciel); Moo-Huchin, VM (Manuel Moo-Huchin, Victor); Cabrera-Sierra, MJ (Jose Cabrera-Sierra, Maria); Cervantes-Uc, JM (Manuel Cervantes-Uc, Jose); Bello-Perez, LA (Arturo Bello-Perez, Luis); Perez-Pacheco, E (Perez-Pacheco, Emilio): Utilization of ramon seeds (Brosimum alicastrum swarts) as a new source material for thermoplastic starch production. In: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 133 Issue: 47, WOS
8. [1.1] Tajvidi, M (Tajvidi, Mehdi); Gardner, DJ (Gardner, Douglas J.); Bousfield, DW (Bousfield, Douglas W.): Cellulose Nanomaterials as Binders: Laminate and Particulate SystemsCellulose Nanomaterials as Binders: Laminate and Particulate Systems. In: JOURNAL OF RENEWABLE MATERIALS Volume: 4 Issue: 5 Pages: 365-376, WOS
9. [1.1] Tavassoli-Kafrani, E (Tavassoli-Kafrani, Elham); Shekarchizadeh, H (Shekarchizadeh, Hajar); Masoudpour-Behabadi, M (Masoudpour-Behabadi, Mahdieh): Development of edible films and coatings from alginates and carrageenans. In: CARBOHYDRATE POLYMERS Volume: 137 Pages: 360-374, WOS
10. [1.1] de Campo, C (de Campo, Camila); Costa, TMH (Haas Costa, Tania Maria); Rios, AD (Rios, Alessandro de Oliveira); Flores, SH (Flores, Simone Hickmann): Effect of incorporation of nutraceutical capsule waste of safflower oil in the mechanical characteristics of corn starch films. In: FOOD SCIENCE AND TECHNOLOGY Volume: 36 Pages: 33-36, WOS
11. [1.2] Bhatia, S. (2016). In Systems for drug delivery: Safety, animal, and microbial polysaccharides (Springer, pp. 1-197), SCOPUS
12. [1.2] Jönsson, A. S. (2016). Membranes for lignin and hemicellulose recovery in pulp mills. In Membrane technologies for biorefining (Elsevier, chapter 5, pp. 105-133), SCOPUS

ADCA664 ŠIMO, Ondrej - RYBÁR, Alfonz - ALFOLDI, Juraj. New (c,d)-fused purinediones: 2-Substituted 9-methyl-4,5-dihydro-6H,8H-pyrimido (1,2,3-c)purine-8,10(9H)-diones. In Synthesis, 1995, p. 837-840. ISSN 0039-7881.

Citácie:
1. [1.1] Ziarani, GM (Ziarani, Ghodsi Mohammadi); Asadi, S (Asadi, Shima); Badiei, A (Badiei, Alireza); Sharifi, A (Sharifi, Amirhossein); Amanlou, M (Amanlou, Massoud): Synthesis of Some Spiro Indeno[1,2-b]pyrido[2,3-d]Pyrimidine-5,3 '-Indolines as New Urease Inhibitors. In: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 15 Special Issue: SI Pages: 55-63, WOS

ADCA665 ŠIMO, Ondrej - RYBÁR, Alfonz - ALFOLDI, Juraj. 2-Triazolylpyrimido[1,2,3-cd]purine-8,10-diones via 1,3-Dipolar Cycloadditions to 2-Ethynylpyrimido[1,2,3-cd]purine-8,10-dione. In Journal of Heterocyclic Chemistry, 2000, vol. 37, p. 1033-1039. ISSN 0022-152X.

Citácie:
1. [1.1] Heravi, MM (Heravi, Majid M.); Tamimi, M (Tamimi, Mehrnoush); Yahyavi, H (Yahyavi, Hoda); Hosseinnejad, T (Hosseinnejad, Tayebeh): Huisgen's Cycloaddition Reactions: A Full Perspective. In: CURRENT ORGANIC CHEMISTRY Volume: 20 Issue: 15 Pages: 1591-1647, WOS
2. [1.1] Ziarani, GM (Ziarani, Ghodsi Mohammadi); Asadi, S (Asadi, Shima); Badiei, A (Badiei, Alireza); Sharifi, A (Sharifi, Amirhossein); Amanlou, M (Amanlou, Massoud): Synthesis of Some Spiro Indeno[1,2-b]pyrido[2,3-d]Pyrimidine-5,3 '-Indolines as New Urease Inhibitors. In: IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH Volume: 15 Special Issue: SI Pages: 55-63, WOS

ADCA666 ŠIMÚTH, Jozef - BÍLIKOVÁ, Katarína - KOVÁČOVÁ, Elena - KUZMOVÁ, Z. - SCHRODER, W. Immunochemical Approach to Detection of Adulteration in Honey: Physiologically Active Royal Jelly Protein Stimulating TNF-alpha Release is a Regular Component of Honey. In Journal of agricultural and food chemistry, 2004, vol. 52, p. 2154-2158. (2.102 - IF2003). ISSN 0021-8561.

Citácie:
1. [1.1] FRATINI, Filippo - CILIA, Giovanni - MANCINI, Simone - FELICIOLI, Antonio. Royal Jelly: An ancient remedy with remarkable antibacterial properties. In MICROBIOLOGICAL RESEARCH. ISSN 0944-5013, NOV 2016, vol. 192, p. 130-141., WOS
2. [1.1] LIU, Y. - YAN, L. - LI, Z. - HUANG, W. -F. - POKHREI, S. - LIU, X. - SU, S. Larva-mediated chalkbrood resistance-associated single nucleotide polymorphism markers in the honey bee Apis mellifera. In INSECT MOLECULAR BIOLOGY. ISSN 0962-1075, JUN 2016, vol. 25, no. 3, p. 239-250., WOS
3. [1.1] XIN, Xiao-xuan - CHEN, Yong - CHEN, Di - XIAO, Fa - PARNELL, Laurence D. - ZHAO,

Jing - LIU, Liang - ORDOVAS, Jose M. - LAI, Chao-Qiang - SHEN, Li-rong. Supplementation with Major Royal-Jelly Proteins Increases Lifespan, Feeding, and Fecundity in Drosophila. In JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. ISSN 0021-8561, JUL 27 2016, vol. 64, no. 29, p. 5803-5812., WOS

4. [1.2] El-Gayar, M.H., Aboshanab, K.M., Aboulwafa, M.M., Hassouna, N.A. Antivirulence and wound healing effects of royal jelly and garlic extract for the control of MRSA skin infections. In Wound MedicineVolume 13, 1 June 2016, Pages 18-27., SCOPUS

ADCA667 ŠIMÚTH, Jozef - TRNOVSKÝ, J. - JELOKOVÁ, J.. Inhibition of bacterial DNA-dependent RNA-polymerases and restriction endonuclease by UV-absorbing components from propolis. In Pharmazie, 1986, vol. 41, p. 131-132. ISSN 0031-7144.

Citácie:

1. [1.2] Kalvandi, R., Darvishi, S., & Davari, K. (2016). Evaluation of antibacterial properties of ethanol and oil extracts of propolis in kurdistan province, on staphylococcus epidermidis, streptococcus mutans and entrobacter aerogenes persian. Scientific Journal of Kurdistan University of Medical Sciences, 21(2), 85-93, SCOPUS

ADCA668 ŠIMÚTH, Jozef. Some properties of the main protein of honeybee (Apis mellifera) royal jelly. In Apidologie, 2001, vol. 32, p. 69-80. ISSN 0044-8435.

Citácie:

1. [1.1] Bucekova, M (Bucekova, Marcela); Majtan, J (Majtan, Juraj): The MRJP1 honey glycoprotein does not contribute to the overall antibacterial activity of natural honey.In: : EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 4 Pages: 625-629, WOS

2. [1.1] Chen, D (Chen, Di); Xin, XX (Xin, Xiao-xuan); Qian, HC (Qian, Hao-cheng); Yu, ZY (Yu, Zhang-yin); Shen, LR (Shen, Li-rong): Evaluation of the major royal jelly proteins as an alternative to fetal bovine serum in culturing human cell lines. In: JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE B Volume: 17 Issue: 6 Pages: 476-483, WOS

3. [1.1] Fratini, F (Fratini, Filippo); Cilia, G (Cilia, Giovanni); Mancini, S (Mancini, Simone); Felicioli, A (Felicioli, Antonio): Royal Jelly: An ancient remedy with remarkable antibacterial properties. In: MICROBIOLOGICAL RESEARCH Volume: 192 Pages: 130-141, WOS

4. [1.1] Furusawa, T (Furusawa, Takako); Arai, Y (Arai, Yasuko); Kato, K (Kato, Kenji); Ichihara, K (Ichihara, Kenji): Quantitative Analysis of Apisin, a Major Protein Unique to Royal Jelly. In: EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE Article Number: 5040528, WOS

5. [1.1] Nonotte-Varly, C (Nonotte-Varly, C.): Sensitization to proteins of ivy (Hedera helix) bee pollen among people allergic to airborne pollens? An in vivo pilot study. In. REVUE FRANCAISE D ALLERGOLOGIE Volume: 56 Issue: 2 Pages: 100-101, WOS

6. [1.1] Wang, Y (Wang, Ying); Ma, LT (Ma, Lanting); Zhang, WX (Zhang, Weixing); Cui, XP (Cui, Xuepei); Wang, HF (Wang, Hongfang); Xu, BH (Xu, Baohua): Comparison of the nutrient composition of royal jelly and worker jelly of honey bees (Apis mellifera). In: APIDOLOGIE Volume: 47 Issue: 1 Pages: 48-56, WOS

7. [1.1] Xin, XX (Xin, Xiao-xuan); Chen, Y (Chen, Yong); Chen, D (Chen, Di); Xiao, F (Xiao, Fa); Parnell, LD (Parnell, Laurence D.); Zhao, J (Zhao, Jing); Liu, L (Liu, Liang); Ordovas, JM (Ordovas, Jose M.); Lai, CQ (Lai, Chao-Qiang); Shen, LR (Shen, Li-rong): Supplementation with Major Royal-Jelly Proteins Increases Lifespan, Feeding, and Fecundity in Drosophila. In. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 29 Pages: 5803-5812, WOS

8. [1.2] Wei, Y., Chen, F., Xue, X., Cao, W., & Wu, L. (2016). The change of furfural compounds contents of royal jelly during storage. Journal of Chinese Institute of Food Science and Technology, 16(10), 222-227, SCOPUS

ADCA669 ŠMOGROVIČOVÁ, D. - DOMÉNY, Z. - GEMEINER, Peter - MALOVÍKOVÁ, Anna - ŠTURDÍK, E. Reactors for continuous primary beer fermentation using immobilized yeast. In Biotechnology Techniques, 1997, vol. 11, p. 261-264.

Citácie:

1. [1.1] Santek, MI (Santek, M. Ivancic); Miskulin, E (Miskulin, E.); Beluhan, S (Beluhan, S.); Santek, B (Santek, B.): New Trends in the Ethanol Production as a Biofuel. In: KEMIJA U INDUSTRIJI-JOURNAL OF CHEMISTS AND CHEMICAL ENGINEERS Volume: 65 Issue: 1-2 Pages: 25-38, WOS

ADCA670 ŠOLTÉS, Ladislav - MENDICHI, Raniero - STEINER, Bohumil - ALFÖLDI, J. - SASINKOVÁ, Vlasta - BYSTRICKÝ, Slavomír - BALOG, K. - MACHOVÁ, Eva. Cyclodextrin derivative of hyaluronan. In Carbohydrate Polymers, 1999, vol. 39, p. 17-24. (1.129 - IF1998). (1999 - Current Contents).

Citácie:

1. [1.1] CHYTIL, M. - TROJAN, M. - KOVALENKO, A. Study on mutual interactions and

electronic structures of hyaluronan with Lysine, 6-Aminocaproic acid and Arginine. In CARBOHYDRATE POLYMERS. ISSN 0144-8617, 2016, vol. 142, p. 8-15., WOS

ADCA671 ŠOLTÉS, Ladislav - MENDICHI, Raniero - KOGAN, Grigorij - SCHILLER, Jürgen - STANKOVSKÁ, Monika - AMHOLD, Jürgen. Degradative action of reactive oxygen species on hyaluronan. In Biomacromolecules [seriál], 2006, vol.7, no. 3, p.659-668. (3.618 - IF2005). (2006 - Current Contents). ISSN 1525-7797.

Citácie:

1. [1.1] ANTENUCCI, S. - PANZELLA, L. - FARINA, H. - ORTENZI, M.A. - CANEVA, E. - MARTINOTTI, S. - RANZATO, E. - BURLANDO, B. - D'ISCHIA, M. - NAPOLITANO, A. - VEROTTA, L. Powering tyrosol antioxidant capacity and osteogenic activity by biocatalytic polymerization. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 4, p. 2993-3002., WOS

2. [1.1] HANKE-ROOS, M. - MESECK, G.R. - ROSENHAHN, A. Catch bond interaction allows cells to attach to strongly hydrated interfaces. In BIOINTERPHASES. ISSN 1934-8630, 2016, vol. 11, no. 1, p. 1-8, article number 018905., WOS

3. [1.1] KONG, X.Q. - CHENA, L. - YEA, P. - WANG, Z.M. - ZHANG, J.J. - YE, F. - CHEN, S.L. The role of HYAL2 in LSS-induced glycocalyx impairment and the PKA-mediated decrease in eNOS-Ser-633 phosphorylation and nitric oxide production. In MOLECULAR BIOLOGY OF THE CELL. ISSN 1059-1524, 2016, vol. 27, no. 25, p. 3972-3979., WOS

4. [1.1] LALL, R.K. - SYED, D.N. - KHAN, M.I. - ADHAMI, V.M. - GONG, Y.S. - LUCEY, J.A. - MUKHTAR, H. Dietary flavonoid fisetin increases abundance of high-molecular-mass hyaluronan conferring resistance to prostate oncogenesis. In CARCINOGENESIS. ISSN 0143-3334, 2016, vol. 37, no. 9, p. 918-928., WOS

5. [1.1] LIANG, J. - JIANG, D. - NOBLE, P.W. Hyaluronan as a therapeutic target in human diseases. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, 2016, vol. 97, p. 186-203., WOS

6. [1.1] LIN, C.W. - LU, K.Y. - WANG, S.Y. - SUNG, H.W. - MI, F.L. CD44-specific nanoparticles for redox-triggered reactive oxygen species production and doxorubicin release. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2016, vol. 35, p. 280-292., WOS

7. [1.1] LORD, M.S. - FARRUGIA, B.L. - YAN, C.M.Y. - VASSIE, J.A. - WHITELOCK, J.M. Hyaluronan coated cerium oxide nanoparticles modulate CD44 and reactive oxygen species expression in human fibroblasts. In JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A. ISSN 1549-3296, 2016, vol. 104, no. 7, p. 1736-1746., WOS

8. [1.1] MENDE, M. - BEDNAREK, C. - WAWRYSZYN, M. - SAUTER, P. - BISKUP, M.B. - SCHEPERS, U. - BRASE, S. Chemical synthesis of glycosaminoglycans. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 14, p. 8193-8255., WOS

9. [1.1] MORVAN, G. - VUILLEMIN, V. - GUERINI, H. Percutaneous treatment of radicular pain due to lumbar disc disease. In E-MEMOIRES DE L ACADEMIE NATIONALE DE CHIRURGIE. ISSN 1634-0647, 2016, vol. 15, no. 3, p. 36-41., WOS

10. [1.1] PARK, W. - BAE, B.C. - NA, K. A highly tumor-specific light-triggerable drug carrier responds to hypoxic tumor conditions for effective tumor treatment. In BIOMATERIALS. ISSN 0142-9612, 2016, vol. 77, p. 227-234., WOS

11. [1.1] TOROK, N.J. Dysregulation of redox pathways in liver fibrosis. In AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY. ISSN 0193-1857, 2016, vol. 311, no. 4, p. G667-G674., WOS

ADCA672 ŠOLTÉS, Ladislav - STANKOVSKÁ, Monika - KOGAN, Grigorij - GEMEINER, Peter - STERN, Robert. Contribution of oxidative-reductive reactions to high-molecular-weight hyaluronan catabolism. In Chemistry & biodiversity, 2005, vol. 2, no. 9, p.1242-1245. (2005 - Current Contents). ISSN 1612-1872.

Citácie:

1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

ADCA673 ŠOLTÉS, Ladislav - BREZOVÁ, Vlasta - STANKOVSKÁ, Monika - KOGAN, Grigorij - GEMEINER, Peter. Degradation of high-molecular-weight hyaluronan by hydrogen peroxide in the presence of cupric ions. In Carbohydrate Research, 2006, vol. 341, no. 5, p. 639 - 644. (1.669 - IF2005). (2006 - Current Contents). ISSN 0008-6215.

Citácie:

1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-

080-0.

ADCA674 ŠPÁNIKOVÁ, Silvia - POLÁKOVÁ, Monika - JONIAK, Dušan - HIRSCH, Ján - BIELY, Peter. Synthetic esters recognized by glucuronoyl esterase from Schizophyllum commune. In Archives of Microbiology, 2007, vol. 188, p. 185-189. (2.135 - IF2006). ISSN 0302-8933.

Citácie:

1. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

3. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

4. [1.1] Nylander, F (Nylander, Filip); Sunner, H (Sunner, Hampus); Olsson, L (Olsson, Lisbeth); Christakopoulos, P (Christakopoulos, Paul); Westman, G (Westman, Gunnar): Synthesis and enzymatic hydrolysis of a diaryl benzyl ester model of a lignin-carbohydrate complex (LCC). In: HOLZFORSCHUNG Volume: 70 Issue: 5 Pages: 385-391, WOS

5. [1.1] d'Errico, C (d'Errico, Clotilde); Borjesson, J (Borjesson, Johan); Ding, HS (Ding, Hanshu); Krogh, KBRM (Krogh, Kristian B. R. M.); Spodsberg, N (Spodsberg, Nikolaj); Madsen, R (Madsen, Robert); Monrad, RN (Monrad, Rune Nygaard): Improved biomass degradation using fungal glucuronoyl-esterases-hydrolysis of natural corn fiber substrate. In: JOURNAL OF BIOTECHNOLOGY Volume: 219 Pages: 117-123, WOS

ADCA675 ŠPÁNIKOVÁ, Silvia - BIELY, Peter. Glucuronoyl esterase - Novel carbohydrate produced by Schizophyllum commune. In FEBS Letters, 2006, vol. 580, p. 4597-4601. ISSN 0014-5793.

Citácie:

1. [1.1] Alvarez, C (Alvarez, Consolacion); Reyes-Sosa, FM (Manuel Reyes-Sosa, Francisco); Diez, B (Diez, Bruno): Enzymatic hydrolysis of biomass from wood. In: MICROBIAL BIOTECHNOLOGY Volume: 9 Issue: 2 Pages: 149-156, WOS

2. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

3. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

4. [1.1] Dimarogona, M., & Topakas, E. (2016). Regulation and heterologous expression of lignocellulosic enzymes in aspergillus. In New and future developments in microbial biotechnology and bioengineering: Aspergillus system properties and applications (Elsevier, chapter 12, pp. 171-190, SCOPUS

5. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

6. [1.1] Nylander, F (Nylander, Filip); Sunner, H (Sunner, Hampus); Olsson, L (Olsson, Lisbeth); Christakopoulos, P (Christakopoulos, Paul); Westman, G (Westman, Gunnar): Synthesis and enzymatic hydrolysis of a diaryl benzyl ester model of a lignin-carbohydrate complex (LCC). In: HOLZFORSCHUNG Volume: 70 Issue: 5 Pages: 385-391, WOS

7. [1.1] Zhu, N (Zhu, Ning); Liu, JW (Liu, Jiawen); Yang, JS (Yang, Jinshui); Lin, YJ (Lin, Yujian); Yang, Y (Yang, Yi); Ji, L (Ji, Lei); Li, M (Li, Meng); Yuan, HL (Yuan, Hongli): Comparative analysis of the secretomes of Schizophyllum commune and other wood-decay basidiomycetes during solid-state fermentation reveals its unique lignocellulose-degrading enzyme system. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 42, WOS

8. [1.1] d'Errico, C (d'Errico, Clotilde); Borjesson, J (Borjesson, Johan); Ding, HS (Ding, Hanshu); Krogh, KBRM (Krogh, Kristian B. R. M.); Spodsberg, N (Spodsberg, Nikolaj); Madsen, R (Madsen, Robert); Monrad, RN (Monrad, Rune Nygaard): Improved biomass degradation using fungal glucuronoyl-esterases-hydrolysis of natural corn fiber substrate. In: JOURNAL OF BIOTECHNOLOGY Volume: 219 Pages: 117-123, WOS

ADCA676 ŠROBÁROVÁ, Antónia - DA SILVA, J. A. T. - KOGAN, Grigorij - RITIENI, Alberto - SANTINI,

Antonello. Beauvericin decreases cell viability of wheat. In Chemistry & Biodiversity, 2009, vol. 6, no. 8, p. 1208-1215. (1.659 - IF2008). (2009 - Current Contents). ISSN 1612-1872.

Citácie:

1. [1.1] MOLNAR, O. Fusarium proliferatum causing head blight on oat in Hungary. In EUROPEAN JOURNAL OF PLANT PATHOLOGY. ISSN 0929-1873, NOV 2016, vol. 146, no. 3, p. 699-703., WOS

ADCA677 ŠTEFUCA, V. - GEMEINER, Peter - KURILLOVÁ, Ľubica - DANTZENBERG, H. - POLAKOVIČ, M. - BÁLEŠ, V. Polyelectrolyte complex capsules as a material for enzyme immobilization. In Applied Biochemistry and Biotechnology, 1991, vol. 30, p. 313-324. ISSN 0273-2289.

Citácie:

1. [1.1] Muller, M (Mueller, Martin); Urban, B (Urban, Birgit): Adhesive Reactive Nanoparticles of Poly(ethyleneimine)/Poly(maleic acid-co-propylene) Complexes: A Novel Concept for the Immobilization of Pollutant Removing Laccase.In: MACROMOLECULAR CHEMISTRY AND PHYSICS Volume: 217 Issue: 21 Pages: 2360-2371, WOS

ADCA678 ŠUCHOVÁ, Katarína, Kolenová - VRŠANSKÁ, Mária - BIELY, Peter. Mode of action of endo-β-1,4-xylanases of families 10 and 11 on acidic xylooligosaccharides. In Journal of Biotechnology, 2006, vol. 121, p. 338-345. ISSN 0168-1656.

Citácie:

1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, J.); Dominguez-Hernandez, EM (Dominguez-Hernandez, E. M.); Mercado-Flores, Y (Mercado-Flores, Y.); O'Donovan, A (O'Donovan, A.); Diaz-Godinez, G (Diaz-Godinez, G.): Mycosphere Essay 10: Properties and characteristics of microbial xylanases. In: MYCOSPHERE Volume: 7 Issue: 10 Special Issue: SI Pages: 1600-1619, WOS

2. [1.1] Coelho, E (Coelho, Elisabete); Rocha, MAM (Rocha, M. Angelica M.); Moreira, ASP (Moreira, Ana S. P.); Domingues, MRM (Domingues, M. Rosario M.); Coimbra, MA (Coimbra, Manuel A.): Revisiting the structural features of arabinoxylans from brewers' spent grain. In: CARBOHYDRATE POLYMERS Volume: 139 Pages: 167-176, WOS

3. [1.1] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, chapter 20, pp. 809-895), SCOPUS

4. [1.1] Gong, WL (Gong, Weili); Zhang, HQ (Zhang, Huaiqiang); Tian, L (Tian, Li); Liu, SJ (Liu, Shijia); Wu, XY (Wu, Xiuyun); Li, FL (Li, Fuli); Wang, LS (Wang, Lushan): Determination of the modes of action and synergies of xylanases by analysis of xylooligosaccharide profiles over time using fluorescence-assisted carbohydrate electrophoresis. In: ELECTROPHORESIS Volume: 37 Issue: 12 Pages: 1640-1650, WOS

5. [1.1] Hachem, K (Hachem, Kadda); Faugeron, C (Faugeron, Celine); Kaid-Harche, M (Kaid-Harche, Meriem); Gloaguen, V (Gloaguen, Vincent): Structural Investigation of Cell Wall Xylan Polysaccharides from the Leaves of Algerian Argania spinosa. In: MOLECULES Volume: 21 Issue: 11 Article Number: 1587, WOS

ADCA679 ŠUCHOVÁ, Katarína, Kolenová - RYABOVÁ, Olena - VRŠANSKÁ, Mária - BIELY, Peter. Inverting character of family GH115 α-glucuronidases. In FEBS Letters, 2010, vol.584, p. 4063-4068. (3.541 - IF2009). (2010 - Current Contents). ISSN 0014-5793.

Citácie:

1. [1.1] Martinez, PM (Martinez, Patricia Murciano); Appeldoorn, MM (Appeldoorn, Maaike M.); Gruppen, H (Gruppen, Harry); Kabel, MA (Kabel, Mirjam A.): The two Rasamsonia emersonii alpha-glucuronidases, ReGH67 and ReGH115, show a different mode-of-action towards glucuronoxylan and glucuronoxylo-oligosaccharides. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 105, WOS

2. [1.1] Wang, LL (Wang, Liangliang); Shi, H (Shi, Hao); Xu, BY (Xu, Baiyun); Li, X (Li, Xun); Zhang, Y (Zhang, Yu); Wang, F (Wang, Fei): Characterization of Thermotoga thermarum DSM 5069 alpha-Glucuronidase and Synergistic Degradation of Xylan. In: BIORESOURCES Volume: 11 Issue: 3 Pages: 5767-5779, WOS

3. [1.1] Wang, WJ (Wang, Weijun); Yan, RY (Yan, Ruoyu); Nocek, BP (Nocek, Boguslaw P.); Vuong, TV (Vuong, Thu V.); Di Leo, R (Di Leo, Rosa); Xu, XH (Xu, Xiaohui); Cui, H (Cui, Hong); Gatenholm, P (Gatenholm, Paul); Toriz, G (Toriz, Guillermo); Tenkanen, M (Tenkanen, Maija); Savchenko, A (Savchenko, Alexei); Master, ER (Master, Emma R.): Biochemical and Structural Characterization of a Five-domain GH115-Glucuronidase from the Marine Bacterium Saccharophagus degradans 2-40(T). In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 27 Pages: 14120-14133, WOS

4. [1.2] Bajwa, P. K., Harrington, S., Dashtban, M., & Lee, H. (2016). Expression and characterization of glycosyl hydrolase family 115 α-glucuronidase from scheffersomyces stipitis. Industrial Biotechnology, 12(2), 98-104, SCOPUS

ADCA680 ŠUCHOVÁ, Katarína, Kolenová - VRŠANSKÁ, Mária - BIELY, Peter. Purification and characterization of two minor endo-beta-1,4-xylanases of Schizophyllum commune. In Enzyme and Microbial Technology, 2005, vol. 36, p. 903-910. ISSN 0141-0229.

Citácie:

1. [1.1] Boonrung, S (Boonrung, Santhaya); Katekaew, S (Katekaew, Somporn); Mongkolthanaruk, W (Mongkolthanaruk, Wiyada); Aimi, T (Aimi, Tadanori); Boonlue, S (Boonlue, Sophon): Purification and characterization of low molecular weight extreme alkaline xylanase from the thermophilic fungus Myceliophthora thermophila BF1-7. In: MYCOSCIENCE Volume: 57 Issue: 6 Pages: 408-416, WOS

2. [1.1] Seemakram, W (Seemakram, Wasan); Boonrung, S (Boonrung, Santhaya); Katekaew, S (Katekaew, Somporn); Aimi, T (Aimi, Tadanori); Boonlue, S (Boonlue, Sophon): Purification and characterization of low molecular weight alkaline xylanase from Neosartorya tatenoi KKU-CLB-3-2-4-1. In: MYCOSCIENCE Volume: 57 Issue: 5 Pages: 326-333, WOS

3. [1.1] Thomas, L., Joseph, A., Singhania, R. R., Patel, A. K., & Pandey, A. (2016). Industrial enzymes: Xylanases. In Current developments in biotechnology and bioengineering: Production, isolation and purification of industrial products (Elsevier, chapter 6, pp. 127-148), SCOPUS

ADCA681 ŠUNDERIČ, Miloš - HOLAZOVÁ, Alena, Šedivá - ROBAJAC, Dragana - MILJUŠ, Goran - GEMEINER, Peter - NEDIČ, Olgica - KATRLÍK, Jaroslav. Lectin-based protein microarray analysis of differences in serum alpha-2-macroglobulin glycosylation between patients with colorectal cancer and noncancer persons. In Biotechnology and Applied Biochemistry, 2016, vol. 63, p. 457-464. (1.429 - IF2015). (2016 - Current Contents). ISSN 0885-4513.

Citácie:

1. [1.1] Mereiter, S (Mereiter, Stefan); Balmana, M (Balmana, Meritxell); Gomes, J (Gomes, Joana); Magalhaes, A (Magalhaes, Ana); Reis, CA (Reis, Celso A.): Glycomic Approaches for the Discovery of Targets in Gastrointestinal Cancer. In: FRONTIERS IN ONCOLOGY Volume: 6 Article Number: 55, WOS

ADCA682 ŠUTOVSKÁ, M. - FRAŇOVÁ, S. - SADLOŇOVÁ, V. - GRONHAUG, T.E. - DIALLO, D. - PAULSEN, B.S. - CAPEK, Peter. The relationship between dose-dependent antitussive and bronchodilatory effects of Opilia celtidifolia polysaccharide and nitric oxide in guinea pigs. In International Journal of Biological Macromolecules, 2010, vol. 47, p. 508-513. (2.366 - IF2009). (2010 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Zhong, S (Zhong, Shan); Liu, XD (Liu, Xiao-dong); Nie, YC (Nie, Yi-chu); Gan, ZY (Gan, Zhen-yong); Yang, LQ (Yang, Li-qi); Huang, CQ (Huang, Chu-qin); Lai, KF (Lai, Ke-fang); Zhong, NS (Zhong, Nan-shan): Antitussive activity of the Schisandra chinensis fruit polysaccharide (SCFP-1) in guinea pigs models. In: JOURNAL OF ETHNOPHARMACOLOGY Volume: 194 Pages: 378-385, WOS

ADCA683 ŠUTOVSKÁ, Martina - CAPEK, Peter - KOČMALOVÁ, Mária - PAWLACZYK, Izabela - ZACZYŇSKA, Eva - CZARNY, Anna - UHLIARIKOVÁ, Iveta - GANCARZ, Roman - FRAŇOVÁ, Soňa. Characterization and pharmacodynamic properties of Arnica montana complex. In International Journal of Biological Macromolecules, 2014, vol. 69, p. 214-221. (3.096 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0141-8130.

Citácie:

1. [1.1] Marzotto, M (Marzotto, Marta); Bonafini, C (Bonafini, Clara); Olioso, D (Olioso, Debora); Baruzzi, A (Baruzzi, Anna); Bettinetti, L (Bettinetti, Laura); Di Leva, F (Di Leva, Francesca); Galbiati, E (Galbiati, Elisabetta); Bellavite, P (Bellavite, Paolo): Arnica montana Stimulates Extracellular Matrix Gene Expression in a Macrophage Cell Line Differentiated to Wound-Healing Phenotype. In: PLOS ONE Volume: 11 Issue: 11 Article Number: e0166340, WOS

2. [1.1] Olioso, D (Olioso, Debora); Marzotto, M (Marzotto, Marta); Bonafini, C (Bonafini, Clara); Brizzi, M (Brizzi, Maurizio); Bellavite, P (Bellavite, Paolo).: Response to Commentary: Arnica montana Effects on Gene Expression in a Human Macrophage Cell Line. Evaluation by Quantitative Real-Time PCR. In: FRONTIERS IN IMMUNOLOGY Volume: 7 Article Number: 320, WOS

3. [1.1] Olioso, D (Olioso, Debora); Marzotto, M (Marzotto, Marta); Bonafini, C (Bonafini, Clara); Brizzi, M (Brizzi, Maurizio); Bellavite, P (Bellavite, Paolo): Arnica montana effects on gene expression in a human macrophage cell line. Evaluation by quantitative Real-Time PCR. In: HOMEOPATHY Volume: 105 Issue: 2 Pages: 131-147, WOS

ADCA684 ŠUTOVSKÁ, Martina - CAPEK, Peter - FRAŇOVÁ, Soňa - PAWLACZYK, Izabela - GANCARZ, Roman. Antitussive bronchodilatory effect od Lythrum salicaria polysaccharide-polyphenolic conjugate. In International Journal of Biological Macromolecules, 2012, vol. 51, p. 794-799. (2.453 - IF2011). (2012 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Zhong, S (Zhong, Shan); Liu, XD (Liu, Xiao-dong); Nie, YC (Nie, Yi-chu); Gan, ZY (Gan, Zhen-yong); Yang, LQ (Yang, Li-qi); Huang, CQ (Huang, Chu-qin); Lai, KF (Lai, Ke-fang); Zhong, NS (Zhong, Nan-shan): Antitussive activity of the Schisandra chinensis fruit polysaccharide (SCFP-1) in guinea pigs models. In: JOURNAL OF ETHNOPHARMACOLOGY Volume: 194 Pages: 378-385, WOS

2. [1.2] Saeed, F., & Ahmad, M. (2016). Sambucus nigra linn: In vivo studies on rabbits. International Journal of Pharmacy and Pharmaceutical Sciences, 8(7), 340-345, SCOPUS

ADCA685 ŠUTOVSKÁ, Martina - FRAŇOVÁ, Soňa - PRISEŽNAKOVÁ, L. - NOSÁLOVÁ, Gabriela - TOGOLA, A. - DIALLO, D. - PAULSEN, B.S. - CAPEK, Peter. Antitussive activity of polysaccharides isolated from Malian medicinal plants. L. Prisežnaková, Gabriela Nosálová, A. Togola, D. Diallo, B.S. Paulsen, Peter Capek. In International Journal of Biological Macromolecules, 2009, vol.44, pp.236-239. (1.868 - IF2008). (2009 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Haidara, M (Haidara, Mahamane); Bourdy, G (Bourdy, Genevieve); De Tommasi, N (De Tommasi, Nunziatina); Braca, A (Braca, Alessandra); Traore, K (Traore, Korotoumou); Giani, S (Giani, Sergio); Sanogo, R (Sanogo, Rokia): Medicinal Plants Used in Mali for the Treatment of Malaria and Liver Diseases. In: NATURAL PRODUCT COMMUNICATIONS Volume: 11 Issue: 3 Pages: 339-352, WOS

2. [1.1] Zhong, S (Zhong, Shan); Liu, XD (Liu, Xiao-dong); Nie, YC (Nie, Yi-chu); Gan, ZY (Gan, Zhen-yong); Yang, LQ (Yang, Li-qi); Huang, CQ (Huang, Chu-qin); Lai, KF (Lai, Ke-fang); Zhong, NS (Zhong, Nan-shan): Antitussive activity of the Schisandra chinensis fruit polysaccharide (SCFP-1) in guinea pigs models. In: JOURNAL OF ETHNOPHARMACOLOGY Volume: 194 Pages: 378-385, WOS

ADCA686 ŠUTOVSKÁ, Martina - CAPEK, Peter - KAZIMIEROVÁ, Ivana - PAPPOVÁ, Lenka - JOŠKOVÁ, Marta - MATULOVÁ, Mária - FRAŇOVÁ, Soňa - PAWLACZYK, Izabela - GANCARZ, Roman. Echinacea complex – chemical view and anti-asthmatic profile. In Journal of Ethnopharmacology, 2015, vol. 175, p. 163-171. (2.998 - IF2014). (2015 - Current Contents). ISSN 0378-8741.

Citácie:

1. [1.1] Kopytko, Ya.F.; Mizina, P.G.; Masese, P.M.; Sidelnikov, N.I.: Elaboration methods of quantitative determination phenol aldehyde and phenolic acids in liquid dosage form for external application, containing plant extracts. In: Voprosy biologicheskoi, meditsinskoi i farmatsevticheskoi khimii Issue: 8 Pages: 3-9, WOS

2. [1.1] Liu, F (Liu, Fang); Xuan, NX (Xuan, Nan-Xia); Ying, SM (Ying, Song-Min); Li, W (Li, Wen); Chen, ZH (Chen, Zhi-Hua); Shen, HH (Shen, Hua-Hao):Herbal Medicines for Asthmatic Inflammation: From Basic Researches to Clinical Applications. In: MEDIATORS OF INFLAMMATION Article Number: 6943135, WOS

ADCA687 ŠUTOVSKÁ, Martina - CAPEK, Peter - KOCMÁLOVÁ, Michaela - FRAŇOVÁ, Soňa - PAWLACZYK, Izabela - GANCARZ, Roman. Characterization and biological activity of Solidago canadensis complex. In International Journal of Biological Macromolecules, 2013, vol. 52, p. 192-197. (2.596 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0141-8130.

Citácie:

1. [1.1] Fehér, A., Halmová, D., Fehér-Pindešová, I., Zajác, P., & Čapla, J. (2016). Distribution of invasive plants in the nitra river basin: Threats and benefits for food production. Potravinarstvo, 10(1), 605-611, SCOPUS

ADCA688 ŠUTOVSKÁ, Martina - NOSÁLOVÁ, Gabriela - ŠUTOVSKÝ, J. - FRAŇOVÁ, Soňa - PRÍSENŽŇÁKOVÁ, Ľubica - CAPEK, Peter. Possible mechanisms of dose-dependent cough suppressive effect of Althaea officinalis rhamanogalacturonan in guinea pigs test system. J. Šutovský, Soňa Fraňová, Ľubica Prísenžňáková, Peter Capek. In International Journal of Biological Macromolecules, 2009, vol.45, pp.27-32. (1.868 - IF2008). (2009 - Current Contents). ISSN 0141-8130.

Citácie:

1. [1.1] Ayrle, H (Ayrle, Hannah); Mevissen, M (Mevissen, Meike); Kaske, M (Kaske, Martin); Nathues, H (Nathues, Heiko); Gruetzner, N (Gruetzner, Niels); Melzig, M (Melzig, Matthias); Walkenhorst, M (Walkenhorst, Michael): Medicinal plants - prophylactic and therapeutic options for gastrointestinal and respiratory diseases in calves and piglets? A systematic review. In: BMC VETERINARY RESEARCH Volume: 12 Article Number: 89, WOS

2. [1.1] Zhong, S (Zhong, Shan); Liu, XD (Liu, Xiao-dong); Nie, YC (Nie, Yi-chu); Gan, ZY (Gan, Zhen-yong); Yang, LQ (Yang, Li-qi); Huang, CQ (Huang, Chu-qin); Lai, KF (Lai, Ke-fang); Zhong, NS (Zhong, Nan-shan): Antitussive activity of the Schisandra chinensis fruit polysaccharide (SCFP-1) in guinea pigs models. In: JOURNAL OF ETHNOPHARMACOLOGY Volume: 194 Pages: 378-385, WOS

ADCA689 ŠVITEL, Juraj - TKÁČ, Ján - VOŠTIAR, I. - NAVRÁTIL, M. - ŠTEFUCA, Vladimír - BUČKO, Marek - GEMEINER, Peter. Gluconobacter in biosensors: applications of whole cells and enzymes

isolated from Gluconobacter and Acetobacter to biosensor construction. In Biotechnology Letters, 2006, vol. 28, p. 2003-2010. (2006 - Current Contents). ISSN 0141-5492.

Citácie:

1. [1.1] Gimkiewicz, C (Gimkiewicz, Carla); Hunger, S (Hunger, Steffi); Harnisch, F (Harnisch, Falk): Evaluating the Feasibility of Microbial Electrosynthesis Based on Gluconobacter oxydans. In: CHEMELECTROCHEM Volume: 3 Issue: 9 Pages: 1337-1346 DOI: 10.1002/celc.201600175 Published: SEP 2016 ISSN: 2196-0216 Accession, WOS

2. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS

ADCA690 TALÁBA, P. - SROKOVÁ, I. - EBRINGEROVÁ, Anna - HODÚL, P. - MARCINČIN, A. Cellulose-based biodegradable polymeric surfactant. In Journal of carbohydrate chemistry, 1997, vol. 16, p. 573-582. ISSN 0732-8303.

Citácie:

1. [1.1] Harnisch, H (Harnisch, Henrik); Huhner, J (Huehner, Jens); Neususs, C (Neususs, Christian); Koschella, A (Koschella, Andreas); Heinze, T (Heinze, Thomas); Scriba, GKE (Scriba, Gerhard K. E.): Development and validation of a capillary electrophoresis method for the characterization of sulfoethyl cellulose. In: JOURNAL OF SEPARATION SCIENCE Volume: 39 Issue: 23 Pages: 4645-4652, WOS

ADCA691 TAPPINO, Barbara - CHUZHANOVA, Nadia A. - REGIS, Stefano - DARDIS, Andrea - CORSOLINI, Fabio - STROPPIANO, Marina - TONOLI, Emmanuel - BECCARI, Tomasso - MUCHA, Ján - BLANCO, Mariana - SZLAGO, Marina - DI ROCCO, Maja - COOPER, David N. - FILOCAMO, Mirella. Molecular Characterization of 22 Novel UDP-N-Acetylglucosamine-1-Phosphate Transferase alfa- and beta- Subunit (GNTPAB) Gene Mutations Causing Mucolipidosis Types II alfa/beta and III alfa/beta in 46 Patients. In Human Mutation, 2009, vol. 30, e956-E973. (7.033 - IF2008). (2009 - Current Contents). ISSN 1059-7794. Názov prebraný z obrazovky.

Citácie:

1. [1.1] Kamat, MA (Kamat, Mihir Anant); Bacolla, A (Bacolla, Albino); Cooper, DN (Cooper, David N.); Chuzhanova, N (Chuzhanova, Nadia): A Role for Non-B DNA Forming Sequences in Mediating Microlesions Causing Human Inherited Disease. In: HUMAN MUTATION Volume: 37 Issue: 1 Pages: 65-73, WOS

2. [1.1] Koehne, T (Koehne, Till); Markmann, S (Markmann, Sandra); Schweizer, M (Schweizer, Michaela); Muschol, N (Muschol, Nicole); Friedrich, RE (Friedrich, Reinhard E.); Hagel, C (Hagel, Christian); Glatzel, M (Glatzel, Markus); Kahl-Nieke, B (Kahl-Nieke, Baerbel); Amling, M (Amling, Michael); Schinke, T (Schinke, Thorsten); Braulke, T (Braulke, Thomas): Mannose 6-phosphate-dependent targeting of lysosomal enzymes is required for normal craniofacial and dental development. In: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1862 Issue: 9 Pages: 1570-1580, WOS

3. [1.1] Liu, S (Liu, Shuang); Zhang, WM (Zhang, Weimin); Shi, HP (Shi, Huiping); Yao, FX (Yao, Fengxia); Wei, M (Wei, Min); Qiu, ZQ (Qiu, Zhengqing): Mutation Analysis of 16 Mucolipidosis II and III Alpha/Beta Chinese Children Revealed Genotype-Phenotype Correlations. In: PLOS ONE Volume: 11 Issue: 9 Article Number: e0163204, WOS

ADCA692 TAYLOR, E.J. - GLOSTER, T.M. - TURKENBURG, J.P. - VINCENT, F. - BRZOZOWSKI, A.M. - DUPONT, C. - SHARECK, F. - CENTENO, M.S.J. - PRATES, J.A.M. - PUCHART, Vladimír - FERREIRA, L.M.A. - FONTES, C.M.G.A. - BIELY, Peter - DAVIES, G.J. Structure and activity of two metal ion-dependent acetylxylan esterases involved in plant cell wall degradation reveals a close similarity to peptidoglycan deacetylases. In Journal of Biological Chemistry, 2006, vol. 281, p. 10968-10975. (5.854 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0021-9258.

Citácie:

1. [1.1] Kaczmarek, M (Kaczmarek, Michal); Struszczyk-Swita, K (Struszczyk-Swita, Katarzyna); Florczak, T (Florczak, Tomasz); Szczesna-Antczak, M (Szczesna-Antczak, Miroslawa); Antczak, T (Antczak, Tadeusz): ISOLATION, MOLECULAR CLONING AND CHARACTERISATION OF TWO GENES CODING CHITIN DEACETYLASE FROM MUCOR CIRCINELLOIDES IBT-83, WOS

ADCA693 TENKANEN, M. - EIZAGUIRRE, J. - ISONIEMI, R. - FAULDS, C.B. - BIELY, Peter. Comparison of catalytic properties of acetyl xylan esterases from three carbohydrate esterase families. In ACS Symposium Series 855: Application of Enzymes to Lignocellulosics. - Washington, DC : American Chemical Society, 2003, p.211-229. ISBN 0-8412-3831-6.

Citácie:

1. [1.1] Singh, MK (Singh, Mrityunjay K.); Manoj, N (Manoj, Narayanan): An extended loop in CE7 carbohydrate esterase family is dispensable for oligomerization but required for activity and

thermostability. In: JOURNAL OF STRUCTURAL BIOLOGY Volume: 194 Issue: 3 Pages: 434-445, WOS

ADCA694 TENKANEN, Maija - VRŠANSKÁ, Mária - SIIKA-AHO, Matti - WONG, Dominic W. - PUCHART, Vladimír - PENTILLA, Merja - SALOHEIMO, Markku - BIELY, Peter. Xylanase XYN IV from Trichoderma reesei showing exo- and endo-xylanase activity. In FEBS Journal, 2013, vol. 280, p. 285-301. (4.250 - IF2012). (2013 - Current Contents). ISSN 1742-464X.

Citácie:

1. [1.1] Bengtsson, O (Bengtsson, Oskar); Arntzen, MO (Arntzen, Magnus O.); Mathiesen, G (Mathiesen, Geir); Skaugen, M (Skaugen, Morten); Eijsink, VGH (Eijsink, Vincent G. H.): A novel proteomics sample preparation method for secretome analysis of Hypocrea jecorina growing on insoluble substrates. In: JOURNAL OF PROTEOMICS Volume: 131 Pages: 104-112, WOS

2. [1.1] Bischof, RH (Bischof, Robert H.); Ramoni, J (Ramoni, Jonas); Seiboth, B (Seiboth, Bernhard): Cellulases and beyond: the first 70 years of the enzyme producer Trichoderma reesei. In: MICROBIAL CELL FACTORIES Volume: 15 Article Number: 106, WOS

3. [1.1] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, chapter 20, pp. 809-895), SCOPUS

4. [1.1] Matsuzawa, T (Matsuzawa, Tomohiko); Kaneko, S (Kaneko, Satoshi); Yaoi, K (Yaoi, Katsuro): Improvement of thermostability and activity of Trichoderma reesei endo-xylanase Xyn III on insoluble substrates. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 18 Pages: 8043-8051, WOS

5. [1.1] Orts, WJ (Orts, W. J.); McMahan, CM (McMahan, C. M.): Biorefinery Developments for Advanced Biofuels from a Sustainable Array of Biomass Feedstocks: Survey of Recent Biomass Conversion Research from Agricultural Research Service. In: BIOENERGY RESEARCH Volume: 9 Issue: 2 Pages: 430-446, WOS

6. [1.1] Rai, R (Rai, Rohit); Kaur, B (Kaur, Batik); Chadha, BS (Chadha, B. S.): A method for rapid purification and evaluation of catalytically distinct lignocellulolytic glycosyl hydrolases from thermotolerant fungus Acrophialophora sp.. In: RENEWABLE ENERGY Volume: 98 Special Issue: SI Pages: 254-263, WOS

7. [1.1] Septiningrum, K (Septiningrum, Krisna); Ohi, H (Ohi, Hiroshi); Nakagawa-izumi, A (Nakagawa-izumi, Akiko); Kosugi, A (Kosugi, Akihiko): Characterization of Hexenuronosyl Xylan-degrading Enzymes Produced by Paenibacillus sp 07. In: BIORESOURCES Volume: 11 Issue: 1 Pages: 2756-2767, WOS

8. [1.1] Sun, JZ (Sun, Jianzhong); Shi, SL (Shi, Sailing); Wu, J (Wu, Jian); Xie, RR (Xie, Rongrong); Geng, A (Geng, Alei); Zhu, DC (Zhu, Dao Chen): Characterization of a Salt-Tolerant and Cold-Adapted Xylanase from Bacillus cellulosilyticus. In: BIORESOURCES Volume: 11 Issue: 4 Pages: 8875-8889, WOS

9. [1.1] Zheng, F (Zheng, Fei); Huang, JX (Huang, Jingxuan); Liu, XC (Liu, Xingchen); Hu, H (Hu, Hang); Long, LK (Long, Liangkun); Chen, KX (Chen, Kaixiang); Ding, SJ (Ding, Shaojun): N- and C-terminal truncations of a GH10 xylanase significantly increase its activity and thermostability but decrease its SDS resistance. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 8 Pages: 3555-3565, WOS

ADCA695 TIHLARIK, K. - PAŠTEKA, M.. Determination of the carbonyl groups in oxidized polysaccharides by hydroxylammonium formate. In Starch-Starke, 1992, vol. 44, p. 385-387. ISSN 0038-9056.

Citácie:

1. [1.1] Alghamdi, AA (Alghamdi, Abdulaziz A.); Abdel-Halim, ES (Abdel-Halim, Essam S.); Al-Othman, ZA (Al-Othman, Zeid A.): Low-Temperature Bleaching of Cotton Cellulose using an Ultrasound-assisted Tetraacetylethylenediamine/Hydrogen Peroxide/Triethanolamine System. In: BIORESOURCES Volume: 11 Issue: 1 Pages: 2784-2796, WOS

ADCA696 TKÁČ, Ján - GEMEINER, Peter - ŠVITEL, J. - BENIKOVSKÝ, T. - ŠTURDÍK, E. - VALA, V. - PETRUŠ, Ladislav - HRABÁROVÁ, Eva. Determination of total sugars in lignocellulose hydrolysate by a mediated Gluconobacter oxydans biosensor. In Analytica Chimica Acta, 2000, vol. 420, p. 1-7. ISSN 0003-2670.

Citácie:

1. [1.1] Gimkiewicz, C (Gimkiewicz, Carla); Hunger, S (Hunger, Steffi); Harnisch, F (Harnisch, Falk): Evaluating the Feasibility of Microbial Electrosynthesis Based on Gluconobacter oxydans. In: CHEMELECTROCHEM Volume: 3 Issue: 9 Pages: 1337-1346, WOS

2. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS

ADCA697 TKÁČ, Ján - GEMEINER, Peter - ŠTURDÍK, E. Rapid and sensitive galactose oxidase-peroxidase

biosensor for galactose detection with prolonged stability. In Biotechnology Techniques, 1999, vol. 13, p. 931-936.

Citácie:

1. [1.1] Dalkiran, B (Dalkiran, Berna); Erden, PE (Erden, Pinar Esra); Kilic, E (Kilic, Esma): Electrochemical biosensing of galactose based on carbon materials: graphene versus multi-walled carbon nanotubes. In: ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 408 Issue: 16 Pages: 4329-4339, WOS

ADCA698 TKÁČ, Ján - VOŠTIAR, I. - ŠTURDÍK, Ernest - GEMEINER, Peter - MASTIHUBA, Vladimír - ANNUS, J. Fructose biosensor based on D-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane. In Analytica Chimica Acta, 2001, vol. 439, p. 39-46. ISSN 0003-2670.

Citácie:

1. [1.1] de Oliveira, AEF (de Oliveira, Ana Elisa F.); Pereira, AC (Pereira, Arnaldo Cesar): Biosensor and Food Industry - Reviewy. In: REVISTA VIRTUAL DE QUIMICA Volume: 8 Issue: 5 Pages: 1311-1333, WOS

ADCA699 TKÁČ, Ján - DAVIS, J.J. An optimised electrode pre-treatment for SAM formation on polycrystalline gold. In Journal of Electroanalytical Chemistry, 2008, vol. 621, p. 117-120. ISSN 0022-0728.

Citácie:

1. [1.1] Raymundo-Pereira, PA (Raymundo-Pereira, Paulo A.); Shimizu, FM (Shimizu, Flavio M.); Coelho, D (Coelho, Dyovani); Piazzeta, MHO (Piazzeta, Maria H. O.); Gobbi, AL (Gobbi, Angelo L.); Machado, SAS (Machado, Sergio A. S.); Oliveira, ON (Oliveira, Osvaldo N., Jr.): A Nanostructured Bifunctional platform for Sensing of Glucose Biomarker in Artificial Saliva: Synergy in hybrid Pt/Au surfaces. In: BIOSENSORS & BIOELECTRONICS Volume: 86 Pages: 369-376, WOS

2. [1.1] Santos, A (Santos, Adriano); Bueno, PR (Bueno, Paulo R.): Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. In: BIOSENSORS & BIOELECTRONICS Volume: 83 Pages: 368-378, WOS

ADCA700 TKÁČ, Ján - RUZGAS, T. Dispersion of single walled carbon nanotubes. Comparison of different dispersing strategies for preparation of modified electrodes toward hydrogen peroxide detection. In Electrochemistry Communications, 2006, vol. 8, p. 899-903. ISSN 1388-2481.

Citácie:

1. [1.1] Devre, RD (Devre, Rinky D.); Budhlall, BM (Budhlall, Bridgette M.); Barry, CF (Barry, Carol F.): Enhancing the Colloidal Stability and Electrical Conductivity of Single-Walled Carbon Nanotubes Dispersed in Water. In: MACROMOLECULAR CHEMISTRY AND PHYSICS Volume: 217 Issue: 5 Pages: 683-700, WOS

2. [1.1] Li, Y (Li, Yong); Zhao, Y (Zhao, Yun); Ma, CL (Ma, Canliang); Zhao, YX (Zhao, Yongxiang): Novel solvent-thermal preparation of a SnO2 nanoparticles/expanded graphite multiscale composite with extremely enhanced electrical performances for Li-ion batteries. In: ELECTROCHIMICA ACTA Volume: 218 Pages: 191-198, WOS

3. [1.1] Metters, JP (Metters, Jonathan P.); Banks, CE (Banks, Craig E.): Carbon Nanomaterials in Electrochemical Detection. In: ELECTROCHEMICAL STRATEGIES IN DETECTION SCIENCE Book Series Title: RSC Detection Science Series Issue: 6 Pages: 229-278, WOS

4. [1.1] Park, S (Park, Suyoung); Kang, H (Kang, Hana); Kim, Y (Kim, Youngkwang); Lee, D (Lee, Dongjin); Jin, C (Jin, Changhyun): Catalyst-related Dispersion of Multiwalled Carbon Nanotubes by Simple Ultrasonication. In: : BULLETIN OF THE KOREAN CHEMICAL SOCIETY Volume: 37 Issue: 2 Pages: 174-178, WOS

5. [1.1] Suazo-Davila, D (Suazo-Davila, D.); Rivera-Melendez, J (Rivera-Melendez, J.); Koehne, J (Koehne, J.); Meyyappan, M (Meyyappan, M.); Cabrera, CR (Cabrera, C. R.): Surface analysis and electrochemistry of a robust carbon-nanofiber-based electrode platform H2O2 sensor. In: APPLIED SURFACE SCIENCE Volume: 384 Pages: 251-257, WOS

ADCA701 TKÁČ, Ján - VOŠTIAR, I. - GEMEINER, Peter - ŠTURDÍK, Ernest. Stabilization of ferrocene leakage by physical retention in a cellulose acetate membrane. The fructose biosensor. In Bioelectrochemistry, 2002, vol. 55, p. 149-151. (2002 - Current Contents). ISSN 1567-5394.

Citácie:

1. [1.2] Wang, H. N., Feng, T. T., Sun, Z., Qiao, X. W., Qi, Y., & Hong, C. L. (2016). Preparation and electrochemical properties of electrodes modified by novel enzyme-functionalized Co3O4-pt nanocomposite. Xiandai Huagong/Modern Chemical Industry, 36(4), 81-84, SCOPUS

ADCA702 TKÁČ, Ján - WHITTAKER, J.W. - RUZGAS, T. The use of single walled carbon nanotubes dispersed in a chitosan matrix for preparation of a galactose biosensor. In Biosensors and Bioelectronic, 2007, vol. 22, p. 1820-1824.

Citácie:

1. [1.1] Dalkiran, B (Dalkiran, Berna); Erden, PE (Erden, Pinar Esra); Kilic, E (Kilic, Esma): Electrochemical biosensing of galactose based on carbon materials: graphene versus multi-walled

carbon nanotubes. In: ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 408 Issue: 16 Pages: 4329-4339, WOS
2. [1.1] Karimi, P (Karimi, P.); Ebrahimi, A (Ebrahimi, A.): Comparison between gas phase and solvent media for pi-pi stacking interactions of benzene with graphene and single-walled carbon nanotubes. In: MOROCCAN JOURNAL OF CHEMISTRY Volume: 4 Issue: 3 Pages: 669-677, WOS
3. [1.1] Talarico, D (Talarico, Daria); Arduini, F (Arduini, Fabiana); Amine, A (Amine, Aziz); Cacciotti, I (Cacciotti, Ilaria); Moscone, D (Moscone, Danila); Palleschi, G (Palleschi, Giuseppe): Screen-printed electrode modified with carbon black and chitosan: a novel platform for acetylcholinesterase biosensor development. In: ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 408 Issue: 26 Pages: 7299-7309, WOS
4. [1.1] Xie, J (Xie, Jia); Chen, C (Chen, Chao); Zhou, YQ (Zhou, Yuanqing); Fei, JJ (Fei, Junjie); Ding, YL (Ding, Yonglan); Zhao, J (Zhao, Jia): Determination of Galactose and Dihydroxyacetone. In: ELECTROANALYSIS Volume: 28 Issue: 1 Special Issue: SI Pages: 183-188, WOS
5. [1.1] Xu, JJ (Xu, Jing-Jing); An, MR (An, Mingrui); Yang, R (Yang, Rui); Tan, ZJ (Tan, Zhijing); Hao, J (Hao, Jie); Cao, J (Cao, Jun); Peng, LQ (Peng, Li-Qing); Cao, W (Cao, Wan): Determination of Tetracycline Antibiotic Residues in Honey and Milk by Miniaturized Solid Phase Extraction Using Chitosan-Modified Graphitized Multiwalled Carbon Nanotubes. In: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 64 Issue: 12 Pages: 2647-2654, WOS

ADCA703 TKÁČ, Ján - VOŠTIAR, I. - GORTON, I. - GEMEINER, Peter - ŠTURDÍK, Ernest. Improved selectivity of microbial biosensor using membrane coating. Application to the analysis of ethanol during fermentation. In Biosensors and Bioelectronic, 2003, vol. 18, p. 1125-1134.

Citácie:
1. [1.1] Altuntas, DB (Altuntas, Derya Bal); Tepeli, Y (Tepeli, Yudum); Anik, U (Anik, Ulku): Graphene-metallic nanocomposites as modifiers in electrochemical glucose biosensor transducers. In: 2D MATERIALS Volume: 3 Issue: 3 Article Number: 034001, WOS
2. [1.1] Aslan, S (Aslan, Sema); Anik, U (Anik, Ulku): Microbial glucose biosensors based on glassy carbon paste electrodes modified with Gluconobacter Oxydans and graphene oxide or graphene-platinum hybrid nanoparticles. In: MICROCHIMICA ACTA Volume: 183 Issue: 1 Pages: 73-81, WOS
3. [1.1] Nunes, WD (Nunes, Wilian da Silva); de Oliveira, CS (de Oliveira, Caroline Silva); Alcantara, GB (Alcantara, Glaucia Braz): Ethanol determination in frozen fruit pulps: an application of quantitative nuclear magnetic resonance. In: MAGNETIC RESONANCE IN CHEMISTRY Volume: 54 Issue: 4 Pages: 334-340, WOS
4. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS
5. [1.1] Tepeli, Y (Tepeli, Yudum); Anik, U (Anik, Ulku): Preparation, Characterization and Electrochemical Application of Graphene-metallic Nanocomposites. In: ELECTROANALYSIS Volume: 28 Issue: 12 Pages: 3048-3054, WOS

ADCA704 TKÁČ, Ján - ŠVITEL, Juraj - VOSTIAR, Igor - NAVRÁTIL, Marian - GEMEINER, Peter. Membrane-bound dehydrogenases from Gluconobacter sp.: Interfacial electrochemistry and direct bioelectrocatalysis. Igor Vostiar, Marian Navrátil, Peter Gemeiner. In Bioelectrochemistry, 2009, vol.76, p.53-62. (2.444 - IF2008). (2009 - Current Contents). ISSN 1567-5394.

Citácie:
1. [1.1] Aslan, S (Aslan, Sema); Anik, U (Anik, Ulku): Microbial glucose biosensors based on glassy carbon paste electrodes modified with Gluconobacter Oxydans and graphene oxide or graphene-platinum hybrid nanoparticles. In: MICROCHIMICA ACTA Volume: 183 Issue: 1 Pages: 73-81, WOS
2. [1.1] Gimkiewicz, C (Gimkiewicz, Carla); Hunger, S (Hunger, Steffi); Harnisch, F (Harnisch, Falk): Evaluating the Feasibility of Microbial Electrosynthesis Based on Gluconobacter oxydans. In: CHEMELECTROCHEM Volume: 3 Issue: 9 Pages: 1337-1346, WOS
3. [1.1] Rasmussen, M (Rasmussen, Michelle); Abdellaoui, S (Abdellaoui, Sofiene); Minteer, SD (Minteer, Shelley D.): Enzymatic biofuel cells: 30 years of critical advancements. In: BIOSENSORS & BIOELECTRONICS Volume: 76 Special Issue: SI Pages: 91-102, WOS
4. [1.1] Wettstein, C (Wettstein, Christoph); Kano, K (Kano, Kenji); Schafer, D (Schaefer, Daniel); Wollenberger, U (Wollenberger, Ulla); Lisdat, F (Lisdat, Fred): Interaction of Flavin-Dependent Fructose Dehydrogenase with Cytochrome c as Basis for the Construction of Biomacromolecular Architectures on Electrodes. In: ANALYTICAL CHEMISTRY Volume: 88 Issue: 12 Pages: 6382-6389, WOS

5. [1.1] Zhang, H (Zhang, Huan); Shi, LL (Shi, Lulu); Mao, XL (Mao, Xinlei); Lin, JP (Lin, Jinping); Wei, DZ (Wei, Dongzhi): Enhancement of cell growth and glycolic acid production by overexpression of membrane-bound alcohol dehydrogenase in Gluconobacter oxydans DSM 2003. In: JOURNAL OF BIOTECHNOLOGY Volume: 237 Pages: 18-24, WOS
6. [1.1] Zor, E (Zor, Erhan); Oztekin, Y (Oztekin, Yasemin); Ramanaviciene, A (Ramanaviciene, Almira); Anusevicius, Z (Anusevicius, Zilvinas); Voronovic, J (Voronovic, Jaroslav); Bingol, H (Bingol, Haluk); Barauskas-Memenas, D (Barauskas-Memenas, Dana); Labanauskas, L (Labanauskas, Linas); Ramanavicius, A (Ramanavicius, Arunas): Evaluation of 1,10-phenanthroline-5,6-dione as redox mediator for glucose oxidase. In: JOURNAL OF ANALYTICAL CHEMISTRY Volume: 71 Issue: 1 Pages: 77-81, WOS

ADCA705 TKÁČ, Ján - ŠTURDÍK, E. - GEMEINER, Peter. Novel glucose non-interference biosensor for lactose detection based on galactose oxidase-peroxidase with and without co-immobilised beta-galactosidase. In Analyst, 2000, vol. 125, p. 1285-1289. ISSN 0003-2654.

Citácie:

1. [1.1] Kovacs, Z (Kovacs, Zoltan); Bazar, G (Bazar, Gyoergy); Oshima, M (Oshima, Mitsue); Shigeoka, S (Shigeoka, Shogo); Tanaka, M (Tanaka, Mariko); Furukawa, A (Furukawa, Akane); Nagai, A (Nagai, Airi); Osawa, M (Osawa, Manami); Itakura, Y (Itakura, Yukari); Tsenkova, R (Tsenkova, Roumiana): Water spectral pattern as holistic marker for water quality monitoring. In: TALANTA Volume: 147 Pages: 598-608, WOS

ADCA706 TKÁČ, Ján - NAVRÁTIL, M. - ŠTURDÍK, E. - GEMEINER, Peter. Monitoring of dihydroxyacetone production during oxidation of glycerol by immobilized Gluconobacter oxydans cells with an enzyme biosensor. In Enzyme and Microbial Technology, 2001, vol. 28, p. 383-388. ISSN 0141-0229.

Citácie:

1. [3.1] Sara M.; Rouissi T.; Brar, S.K.; Blais J.F. (2016). Propylene glycol: An industrially important C3 platform chemical. In Satinder Kaur Brar, Saurabh Jyoti Sarma, Kannan Pakshirajan (eds.). Platform Chemical Biorafinery: Future Green Chemistry. (Elsevier, chapter 5, p. 77-100)

ADCA707 TOMANOVÁ, V. - PIELICHOWSKI, K. - SROKOVÁ, I. - ŽOLDAKOVÁ, A. - SASINKOVÁ, Vlasta - EBRINGEROVÁ, Anna. Microwave-assisted synthesis of carboxymethylcellulose-based polymeric surfactants. In Polymer Bulletin, 2008, vol. 60, p. 15-25. ISSN 0170-0839.

Citácie:

1. [1.1] Englert, C (Englert, Christoph); Schwenke, AM (Schwenke, Almut M.); Hoeppener, S (Hoeppener, Stephanie); Weber, C (Weber, Christine); Schubert, US (Schubert, Ulrich S.): Microwave-Assisted Polymer Modifications. In: MICROWAVE-ASSISTED POLYMER SYNTHESIS Book Series Title: Advances in Polymer Science Volume: 274 Pages: 209-240, WOS
2. [1.1] Mishra, A (Mishra, Anuradha); Vats, T (Vats, Tanvi); Clark, JH (Clark, James H.): Polymer Modifications. In. MICROWAVE-ASSISTED POLYMERIZATION Book Series Title: RSC Green Chemistry Series Issue: 35 Pages: 171-191, WOS

ADCA708 TOMANOVÁ, Vladimíra - SROKOVÁ, Iva - EBRINGEROVÁ, Anna - SASINKOVÁ, Vlasta. Surface-active and associative properties of ionic polymeric surfactants based on carboxymethylcellulose. In Polymer Engineering and Science, 2011, vol. 51, p. 1476-1483. (1.296 - IF2010). (2011 - Current Contents). ISSN 0032-3888.

Citácie:

1. [1.1] Yilmaz, T (Yilmaz, Tuncay); Tavman, S (Tavman, Sebnem): Ultrasound assisted extraction of polysaccharides from hazelnut skin. In: FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL Volume: 22 Issue: 2 Pages: 112-121, WOS

ADCA709 TOMAN, Rudolf - ROSÍK, Jozef - ALFOLDI, Juraj. Regioselective methylation of methyl α-L-fucopyranoside with diazomethane in the presence of tin(II) chloride. In Carbohydrate Research, 1986, vol. 158, p. 236-244. ISSN 0008-6215.

Citácie:

1. [1.1] Lawandi, J (Lawandi, Janice); Rocheleau, S (Rocheleau, Sylvain); Moitessier, N (Moitessier, Nicolas): Regioselective acylation, alkylation, silylation and glycosylation of monosaccharides. In: TETRAHEDRON Volume: 72 Issue: 41 Pages: 6283-6319, WOS

ADCA710 TOMAN, Rudolf - KARÁCSONYI ŠTEFAN, Štefan - KUBAČKOVÁ, Marta. Studies on the pectin present in the bark of white willow (Salix alba L.). Structure of three acidic and two neutral oligosaccharides obtained by partial acid hydrolysis. In Cellulose Chemistry and Technology, 1976, vol. 10, p. 561-565. ISSN 0576-9787.

Citácie:

1. [1.2] Song, W. Y., Han, S. H., & Shin, S. J. (2016). Studies on chemical composition and calrorimetric value of four polpulus enuramericana clones in reclaimed land for short rotation coppice production. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 48(6), 137-143, SCOPUS

ADCA711 TOMKO, Jozef - BAUER, Štefan. Alkaloids from Veratrum album subsp. lobelianum (BERNH.) Suessenguth. VIII. The structure of verarine. In Collection of Czechoslovak Chemical Communications, 1964, vol. 29, . p.2570-2574. ISSN 0010-0765.

Citácie:

1. [1.1] Gao, LJ (Gao, Lijuan); Chen, FY (Chen, Fengyang); Li, XY (Li, Xiaoyu); Xu, SF (Xu, Shifang); Huang, WH (Huang, Wenhai); Ye, YP (Ye, Yiping): Three new alkaloids from Veratrum grandiflorum Loes with inhibition activities on Hedgehog pathway. In: BIOORGANIC & MEDICINAL CHEMISTRY LETTERS Volume: 26 Issue: 19 Pages: 4735-4738, WOS

ADCA712 TOPAKAS, E. - STAMATIS, H. - BIELY, Peter - KEKOS, D. - MACRIS, B.J. Purification and characterization of a feruloyl esterase from Fusarium oxysporum catalyzing esterification of phenolic acids in ternary water-organic solvent mixtures. In Journal of Biotechnology, 2003, vol. 102, p. 33-44. ISSN 0168-1656.

Citácie:

1. [1.1] Dilokpimol, A (Dilokpimol, Adiphol); Makela, MR (Makela, Miia R.); Aguilar-Pontes, MV (Aguilar-Pontes, Maria Victoria); Benoit-Gelber, I (Benoit-Gelber, Isabelle); Hilden, KS (Hilden, Kristiina S.); de Vries, RP (de Vries, Ronald P.): Diversity of fungal feruloyl esterases: updated phylogenetic classification, properties, and industrial applications. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 231, WOS

2. [1.1] Gopalan, N (Gopalan, Nishant); Nampoothiri, KM (Nampoothiri, Kesavan Madhavan); Szakacs, G (Szakacs, George); Parameswaran, B (Parameswaran, Binod); Pandey, A (Pandey, Ashok): Solid-state fermentation for the production of biomass valorizing feruloyl esterase. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 7 Pages: 7-13, WOS

3. [1.1] Li, Z (Li, Zhen); Liu, XW (Liu, Xianwei); Lian, YW (Lian, Yiwei); Xie, J (Xie, Juan); Gao, XR (Gao, Xiaorui); Chang, T (Chang, Tao): The percolation mechanism of surfactant-free microemulsions witnessed by the conductivity measurement. In: WORLD JOURNAL OF ENGINEERING Volume: 13 Issue: 2 Pages: 142-148 DOI: 10.1108/WJE-04-2016-019 Published: 2016 ISSN: 1708-5284 Accession Number:, WOS

4. [1.1] Nieter, A (Nieter, Annabel); Kelle, S (Kelle, Sebastian); Linke, D (Linke, Diana); Berger, RG (Berger, Ralf G.): Feruloyl esterases from Schizophyllum commune to treat food industry side-streams. In: BIORESOURCE TECHNOLOGY Volume: 220 Pages: 38-46, WOS

ADCA713 TOPAKAS, E. - STAMATIS, H. - BIELY, Peter - CHRISTAKOPOULOS, P. Purification and characterization of a type B feruloyl esterase (StF AE-A) from the thermophilic fungus Sporotrichum thermophile. In Applied Microbiology and Biotechnology, 2004, vol. 63, p. 686-690. ISSN 0175-7598.

Citácie:

1. [1.1] Singh, B (Singh, Bijender): Myceliophthora thermophila syn. Sporotrichum thermophile: a thermophilic mould of biotechnological potential. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 1 Pages: 59-69, WOS

2. [1.1] Wang, L (Wang, Li); Li, Z (Li, Zhuang); Zhu, MJ (Zhu, Mengjuan); Meng, L (Meng, Li); Wang, HX (Wang, Hexiang); Ng, TB (Ng, Tzi Bun): An acidic feruloyl esterase from the mushroom Lactarius hatsudake: A potential animal feed supplement. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 290-295, WOS

ADCA714 TOPAKAS, E. - KYRIAKOPOULOS, S. - BIELY, Peter - HIRSCH, Ján - VAFIADI, C. - CHRISTAKOPOULOS, P. Carbohydrate esterases of family 2 are 6-O-deacetylases. In FEBS Letters, 2010, vol. 584, p. 543-548. (3.541 - IF2009). (2010 - Current Contents). ISSN 0014-5793.

Citácie:

1. [1.1] Bi, R (Bi, Ran); Berglund, J (Berglund, Jennie); Vilaplana, F (Vilaplana, Francisco); McKee, LS (McKee, Lauren S.); Henriksson, G (Henriksson, Gunnar): The degree of acetylation affects the microbial degradability of mannans. In: POLYMER DEGRADATION AND STABILITY Volume: 133 Pages: 36-46, WOS

2. [1.1] Gardner, JG (Gardner, Jeffrey G.): Polysaccharide degradation systems of the saprophytic bacterium Cellvibrio japonicus. In: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 32 Issue: 7 Article Number: 121 DOI: 10.1007/s11274-016-2068-6 Published: JUL 2016 ISSN: 0959-3993 eISSN: 1573-097, WOS

3. [1.1] Iribarren, AM (Iribarren, Adolfo M.); Iglesias, LE (Iglesias, Luis E.): An update of biocatalytic selective acylation and deacylation of monosaccharides. In: RSC ADVANCES Volume: 6 Issue: 20 Pages: 16358-16386, WOS

4. [1.1] Uechi, K (Uechi, Keiko); Kamachi, S (Kamachi, Saori); Akita, H (Akita, Hironaga); Mine, S (Mine, Shouhei); Watanabe, M (Watanabe, Masahiro): Crystal structure of an acetyl esterase complexed with acetate ion provides insights into the catalytic mechanism. In: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 477 Issue: 3 Pages: 383-387, WOS

ADCA715 TOPAKAS, E. - STAMATIS, H. - MASTIHUBOVÁ, Mária - BIELY, Peter - KEKOS, D. -

MACRIS, B.J. - CHRISTAKOPOULOS, P. Purification and characterization of a Fusarium oxysporum feruloyl esterase (FoFAE-I) catalysing transesterification of phenolic acid esters. In Enzyme and Microbial Technology, 2003, vol. 33, p. 729-737. (2003 - Current Contents). ISSN 0141-0229.

Citácie:

1. [1.1] Dotsenko, G (Dotsenko, Gleb); Tong, XX (Tong, Xiaoxue); Pilgaard, B (Pilgaard, Bo); Busk, PK (Busk, Peter Kamp); Lange, L (Lange, Lene): Acidic-alkaline ferulic acid esterase from Chaetomium thermophilum var. dissitum: Molecular cloning and characterization of recombinant enzyme expressed in Pichia pastoris. In: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY Volume: 5 Pages: 48-55, WOS

2. [1.1] Ramos-de-la-Pena, AM (Mayela Ramos-de-la-Pena, Ana); Contreras-Esquivel, JC (Carlos Contreras-Esquivel, Juan): Methods and substrates for feruloyl esterase activity detection; a review. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 130 Pages: 74-87, WOS

3. [1.1] Suzuki, N (Suzuki, Nobukazu); Ito, T (Ito, Toshihiko); Hiroshima, K (Hiroshima, Kai); Tokiwano, T (Tokiwano, Tetsuo); Hashizume, K (Hashizume, Katsumi): Formation of ethyl ferulate from feruloylated oligosaccharide by transesterification of rice koji enzyme under sake mash conditions. In: JOURNAL OF BIOSCIENCE AND BIOENGINEERING Volume: 121 Issue: 3 Pages: 281-285, WOS

ADCA716 TUOHY, M.G. - PULS, J. - CLAEYSSENS, M. - VRŠANSKÁ, Mária - COUGHLAN, M.P. The xylan-degrading enzyme system of Talaromyces emersonii - novel enzymes with activity against aryl beta-D-xylosides and unsubstituted xylans. In Biochemical Journal, 1993, vol. 290, p. 515-523. (1993 - Current Contents). ISSN 0264-6021.

Citácie:

1. [1.1] Jasim, RK (Jasim, Raed Kadhim): ISOLATION AND MOLECULAR CHARACTERISATION XYLANASE PRODUCED BY SPOROLACTOBACILLI. In: BANATS JOURNAL OF BIOTECHNOLOGY Volume: 7 Issue: 14 Pages: 30-37, WOS

2. [1.1] Singh, B (Singh, Bijender); Pocas-Fonseca, MJ (Pocas-Fonseca, Marcio J.); Johri, BN (Johri, B. N.); Satyanarayana, T (Satyanarayana, Tulasi): Thermophilic molds: Biology and applications. In: CRITICAL REVIEWS IN MICROBIOLOGY Volume: 42 Issue: 6 Pages: 985-1006, WOS

ADCA717 TVAROSKA, Igor - CARVER, J.P. The anomeric and exo-anomeric effects of a hydroxyl group and the stereochemistry of the hemiacetal linkage. In Carbohydrate Research, 1998, vol. 309, p. 1-9. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Ortega, PGR (Rodriguez Ortega, Pilar Gema); Montejo, M (Montejo, Manuel); Gonzalez, JJL (Lopez Gonzalez, Juan Jesus): Hyperconjugative and Electrostatic Interactions as Anomeric Triggers in Archetypical 1,4-Dioxane Derivatives. In: CHEMPHYSCHEM Volume: 17 Issue: 4 Pages: 530-540, WOS

ADCA718 TVAROSKA, Igor - HRICOVÍNI, Miloš - PETRAKOVA, E.. An attempt to derive a new Karplus-type equation of vicinal proton-carbon coupling constants for C-O-C-H segments of bonded atoms. In Carbohydrate Research, 1989, vol. 189, p. 359-362. ISSN 0008-6215.

Citácie:

1. [1.2] Rundell, S. R., Wagar, Z. L., Meints, L. M., Olson, C. D., O'Neill, M. K., Piligian, B. F., Poston, A. W., Hood, R. J., Woodruff, P. J., Swarts, B. M. (2016). Deoxyfluoro-d-trehalose (FDTre) analogues as potential PET probes for imaging mycobacterial infection. Organic and Biomolecular Chemistry, 14(36), 8598-8609, SCOPUS

ADCA719 TVAROŠKA, Igor - TARAVEL, F.R. - UTILLE, J.P. - CARVER, J.P. Quantum mechanical and NMR spectroscopy studies on the conformations of the hydroxymethyl and methoxymethyl groups in aldohexosides. In Carbohydrate Research, 2002, vol. 337, p. 353-367. (1.349 - IF2001). (2002 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Dhakal, B (Dhakal, Bibek); Buda, S (Buda, Szymon); Crich, D (Crich, David): Stereoselective Synthesis of 5-epi-alpha-Sialosides Related to the Pseudaminic Acid Glycosides. Reassessment of the Stereoselectivity of the 5-Azido-5-deacetamidosialyl Thioglycosides and Use of Triflate as Nucleophile in the Zbiral Deamination of Sialic Acids. In: JOURNAL OF ORGANIC CHEMISTRY Volume: 81 Issue: 22 Pages: 10617-10630, WOS

2. [1.1] Dharuman, S (Dharuman, Suresh); Crich, D (Crich, David): Determination of the Influence of Side-Chain Conformation on Glycosylation Selectivity using Conformationally Restricted Donors: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 13 Pages: 4535-4542, WOS

3. [1.1] Plazinski, W (Plazinski, Wojciech); Lonardi, A (Lonardi, Alice); Hunenberger, PH (Huenenberger, Philippe H.): Revision of the GROMOS 56A6(CARBO) force field: Improving the

description of ring-conformational equilibria in hexopyranose-based carbohydrates chains. In: JOURNAL OF COMPUTATIONAL CHEMISTRY Volume: 37 Issue: 3 Pages: 354-365, WOS

ADCA720 TVAROŠKA, Igor - TARAVEL, F.R. Carbon-proton coupling constants in the conformational analysis of sugar-molecules. In Advances in Carbohydrate Chemistry and Biochemistry, 1995, vol. 51, p. 15-61. ISSN 0065-2318.

Citácie:

1. [1.1] Abe, T (Abe, Tatsuya); Kikuchi, H (Kikuchi, Hiroto); Aritsuka, T (Aritsuka, Tsutomu); Takata, Y (Takata, Yusuke); Fukushi, E (Fukushi, Eri); Fukushi, Y (Fukushi, Yukiharu); Kawabata, J (Kawabata, Jun); Ueno, K (Ueno, Keiji); Onodera, S (Onodera, Shuichi); Shiomi, N (Shiomi, Norio): Structural confirmation of novel oligosaccharides isolated from sugar beet molasses. In: FOOD CHEMISTRY Volume: 202 Pages: 284-290, WOS

2. [1.1] Dharuman, S (Dharuman, Suresh); Crich, D (Crich, David): Determination of the Influence of Side-Chain Conformation on Glycosylation Selectivity using Conformationally Restricted Donors. In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 13 Pages: 4535-4542, WOS

3. [1.1] Hashimoto, M (Hashimoto, Masahito); Ozono, M (Ozono, Mami); Furuyashiki, M (Furuyashiki, Maiko); Baba, R (Baba, Risako); Hashiguchi, S (Hashiguchi, Shuhei); Suda, Y (Suda, Yasuo); Fukase, K (Fukase, Koichi); Fujimoto, Y (Fujimoto, Yukari): Characterization of a Novel D-Glycero-D-talo-oct-2-ulosonic acid-substituted Lipid A Moiety in the Lipopolysaccharide Produced by the Acetic Acid Bacterium Acetobacter pasteurianus NBRC 3283. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 40 Pages: 21184-21194, WOS

4. [1.1] Kuczynska, K (Kuczynska, Kinga); Cmoch, P (Cmoch, Piotr); Rarova, L (Rarova, Lucie); Oklestkova, J (Oklestkova, Jana); Korda, A (Korda, Anna); Pakulski, Z (Pakulski, Zbigniew); Strnad, M (Strnad, Miroslav): Influence of intramolecular hydrogen bonds on regioselectivity of glycosylation. Synthesis of lupane-type saponins bearing the OSW-1 saponin disaccharide unit and its isomers. In: CARBOHYDRATE RESEARCH Volume: 423 Pages: 49-69, WOS

5. [1.1] Li, X (Li, Xiang); Krafczyk, R (Krafczyk, Ralph); Macosek, J (Macosek, Jakub); Li, YL (Li, Yu-Lei); Zou, Y (Zou, Yan); Simon, B (Simon, Bernd); Pan, X (Pan, Xing); Wu, QY (Wu, Qiu-Ye); Yan, F (Yan, Fang); Li, S (Li, Shan); Hennig, J (Hennig, Janosch); Jung, K (Jung, Kirsten); Lassak, J (Lassak, Juergen); Hu, HG (Hu, Hong-Gang): Li, X (Li, Xiang); Krafczyk, R (Krafczyk, Ralph); Macosek, J (Macosek, Jakub); Li, YL (Li, Yu-Lei); Zou, Y (Zou, Yan); Simon, B (Simon, Bernd); Pan, X (Pan, Xing); Wu, QY (Wu, Qiu-Ye); Yan, F (Yan, Fang); Li, S (Li, Shan); Hennig, J (Hennig, Janosch); Jung, K (Jung, Kirsten); Lassak, J (Lassak, Juergen); Hu, HG (Hu, Hong-Gang): Resolving the alpha-glycosidic linkage of arginine-rhamnosylated translation elongation factor P triggers generation of the first Arg(Rha) specific antibody. In: CHEMICAL SCIENCE Volume: 7 Issue: 12 Pages: 6995-7001, WOS

6. [1.1] Sidoryk, K (Sidoryk, Katarzyna); Korda, A (Korda, Anna); Rarova, L (Rarova, Lucie); Oklestkova, J (Oklestkova, Jana); Pakulski, Z (Pakulski, Zbigniew); Strnad, M (Strnad, Miroslav); Cmoch, P (Cmoch, Piotr); Gwardiak, K (Gwardiak, Katarzyna); Karczewski, R (Karczewski, Romuald): Synthesis and Cytotoxicity of 28a-Homothiolupanes and 28a-Homothiolupane Saponins. In: EUROPEAN JOURNAL OF ORGANIC CHEMISTRY Issue: 2 Pages: 373-383, WOS

7. [1.1] Sidoryk, K (Sidoryk, Katarzyna); Rarova, L (Rarova, Lucie); Oklestkova, J (Oklestkova, Jana); Pakulski, Z (Pakulski, Zbigniew); Strnad, M (Strnad, Miroslav); Cmoch, P (Cmoch, Piotr); Luboradzki, R (Luboradzki, Roman): Synthesis of 28a-homoselenolupanes and 28a-homoselenolupane saponins. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 43 Pages: 10238-10248, WOS

8. [1.2] Díaz, D., Canales-Mayordomo, A., Javier Cañada, F., & Jiménez-Barbero, J. (2015). Solution conformation of carbohydrates: A view by using NMR assisted by modeling. Methods in Molecular Biology, 1273, 261-287, SCOPUS

ADCA721 TVAROŠKA, Igor. QM/MM insight on enzymatic reactions of glycosyltransferases. In Mini-Reviews in Organic Chemistry, 2011, vol. 8, p. 263-269. (2.284 - IF2010). ISSN 1570-193X.

Citácie:

1. [1.1] Ghirardello, M (Ghirardello, Mattia); de las Rivas, M (de las Rivas, Matilde); Lacetera, A (Lacetera, Alessandra); Delso, I (Delso, Ignacio); Lira-Navarrete, E (Lira-Navarrete, Erandi); Tejero, T (Tejero, Tomas); Martin-Santamaria, S (Martin-Santamaria, Sonsoles); Hurtado-Guerrero, R (Hurtado-Guerrero, Ramon); Merino, P (Merino, Pedro): Glycomimetics Targeting Glycosyltransferases: Synthetic, Computational and Structural Studies of Less-Polar Conjugates.In: CHEMISTRY-A EUROPEAN JOURNAL Volume: 22 Issue: 21 Pages: 7215-7224, WOS

ADCA722 TVAROŠKA, Igor. Atomistic insight into the catalytic mechanism of glycosyltransferases by combined quantum mechanics/molecular mechanics (QM/MM) methods. In Carbohydrate Research, 2015, vol.403, p. 38-47. (1.929 - IF2014). (2015 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Hamada, Y (Hamada, Yojiro); Kanematsu, Y (Kanematsu, Yusuke); Tachikawa, M (Tachikawa, Masanori): Quantum Mechanics/Molecular Mechanics Study of the Sialyltransferase Reaction Mechanism. In: BIOCHEMISTRY Volume: 55 Issue: 40 Pages: 5764-5771, WOS
2. [1.1] Mendoza, F (Mendoza, Fernanda); Gomez, H (Gomez, Hansel); Lluch, JM (Lluch, Jose M.); Masgrau, L (Masgrau, Laura): alpha 1,4-N-Acetylhexosaminyltransferase EXTL2: The Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. In: ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2577-2589, WOS
3. [1.1] Merino, P (Merino, Pedro); Delso, I (Delso, Ignacio); Tejero, T (Tejero, Tomas); Ghirardello, M (Ghirardello, Mattia); Juste-Navarro, V (Juste-Navarro, Veronica): Nucleoside Diphosphate Sugar Analogues that Target Glycosyltransferases. In: ASIAN JOURNAL OF ORGANIC CHEMISTRY Volume: 5 Issue: 12 Pages: 1413-1427, WOS
4. [1.1] Su, H (Su, Hao); Sheng, X (Sheng, Xiang); Liu, YJ (Liu, Yongjun): Insights into the catalytic mechanism of N-acetylglucosaminidase glycoside hydrolase from Bacillus subtilis: a QM/MM study. In: ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 14 Issue: 13 Pages: 3432-3442, WOS

ADCA723 TVAROŠKA, Igor - BLEHA, Tomáš. Anomeric and exoanomeric effects in cerbohydrate chemistry. In Advances in Carbohydrate Chemistry and Biochemistry, 1989, vol. 47, p. 45-123. ISSN 0065-2318.

Citácie:
1. [1.1] ALONSO, E.R.- PEÑA, I.- CABEZAS, C.- ALONSO, J.L. Structural Expression of Exo-Anomeric Effect. (2016) Journal of Physical Chemistry Letters, 7 (5), p. 845-850. DOI: 10.1021/acs.jpclett.6b00028, WOS
2. [1.1] ORTEGA, P.G.R. - MONTEJO, M. - GONZALEZ, J.J.L. Hyperconjugative and Electrostatic Interactions as Anomeric Triggers in Archetypical 1,4-Dioxane Derivatives. In CHEMPHYSCHEM. ISSN 1439-4235, FEB 16 2016, vol. 17, no. 4, p. 530-540., WOS
3. [1.1] WANG, X.- WOODS, R.J. Insights into furanose solution conformations: beyond the two-state model. (2016) Journal of Biomolecular NMR, 64 (4), p. 291-305. DOI: 10.1007/s10858-016-0028-y, WOS

ADCA724 TVAROŠKA, Igor - KOZMON, Stanislav - WIMMEROVÁ, Michaela - KOČA, Jaroslav. A QM/MM Investigation of the Catalytic Mechanism of Metal-Ion-Independent Core 2 beta 1,6-N-Acetylglucosaminyltransferase. In Chemistry -A European Journal, 2013, vol. 19, p. 8153-8162. (5.831 - IF2012). (2013 - Current Contents). ISSN 0947-6539.

Citácie:
1. [1.1] Merino, P (Merino, Pedro); Delso, I (Delso, Ignacio); Tejero, T (Tejero, Tomas); Ghirardello, M (Ghirardello, Mattia); Juste-Navarro, V (Juste-Navarro, Veronica): Nucleoside Diphosphate Sugar Analogues that Target Glycosyltransferases. In: ASIAN JOURNAL OF ORGANIC CHEMISTRY Volume: 5 Issue: 12 Pages: 1413-1427, WOS

ADCA725 TVAROŠKA, Igor - KOZMON, Stanislav - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Substrate-Assisted Catalytic Mechanism of O-GlcNAc Transferase Discovered by Quantum Mechanics/Molecular Mechanics Investigation. In Journal of the American Chemical Society, 2012, vol. 134, p. 15563-15571. (9.907 - IF2011). (2012 - Current Contents). ISSN 0002-7863. ??? (9.907 - IF2011). (2012 - Current Contents). ISSN 0002-7863.

Citácie:
1. [1.1] Crous, W (Crous, Werner); Naidoo, KJ (Naidoo, Kevin J.): Conformational and electrostatic analysis of S(N)1 donor analogue glycomimetic inhibitors of ST3Gal-I mammalian sialyltransferase. In: BIOORGANIC & MEDICINAL CHEMISTRY Volume: 24 Issue: 20 Pages: 4998-5005, WOS
2. [1.1] Levine, ZG (Levine, Zebulon G.); Walker, S (Walker, Suzanne): The Biochemistry of O-GlcNAc Transferase: Which Functions Make It Essential in Mammalian Cells? In: ANNUAL REVIEW OF BIOCHEMISTRY, VOL 85 Book Series Title: Annual Review of Biochemistry Volume: 85 Pages: 631-657, WOS
3. [1.1] Zhou, QT (Zhou, Qing-tong); Liang, HJ (Liang, Hao-jun); Shakhnovich, E (Shakhnovich, Eugene): Virtual Screening of Human O-GlcNAc Transferase Inhibitors. In: CHINESE JOURNAL OF CHEMICAL PHYSICS Volume: 29 Issue: 3 Pages: 374-380, WOS

ADCA726 UHLIARIKOVÁ, Iveta - VRŠANSKÁ, Mária - MCCLEARY, Barry V. - BIELY, Peter. Positional specifity of acetylxylan esterases on natural polysaccharide: An NMR study. In Biochimica et Biophysica Acta : general subjects, 2013, vol. 1830, p. 3365-3372. (3.848 - IF2012). (2013 - Current Contents). ISSN 0304-4165.

Citácie:
1. [1.1] Schendel, RR (Schendel, Rachel R.); Puchbauer, AK (Puchbauer, Ann-Katrin); Britscho, N (Britscho, Natalie); Bunzel, M (Bunzel, Mirko): Feruloylated Wheat Bran Arabinoxylans: Isolation and Characterization of Acetylated and O-2-Monosubstituted Structures. In: CEREAL

CHEMISTRY Volume: 93 Issue: 5 Pages: 493-501, WOS

ADCA727 UHRÍN, Dušan - LIPTAJ, T. - HRICOVÍNI, Miloš - CAPEK, Peter. Determination of long-range proton-carbon coupling constants using modified 2D J-resolved experiments. In Journal of Magnetic Resonance, 1989, vol. 84, p. 137-140. ISSN 1090-7807.

Citácie:

1. [1.2] Claridge, T. D. W. (2016). In High-resolution NMR techniques in organic chemistry: Third edition (Elsevier, pp. 1-541), SCOPUS

ADCA728 UHRÍN, Dušan - PROKSA, Bohumil - ZHAMIANSAN, J. Lepenine and denudatine: New alkaloid from Aconitum kusnezoffii. In Planta Medica : an international journal of natural products and medicinal plant research, 1991, vol. 57, p. 390-391. ISSN 0032-0943.

Citácie:

1. [1.1] Chirkin, E (Chirkin, Egor); Poree, FH (Poree, Francois-Hugues): The Diels-Alder Reaction in Total Synthesis: A Review of the State of the Art During the Period 2009-2014. In: CURRENT ORGANIC CHEMISTRY Volume: 20 Issue: 22 Pages: 2284-2325, WOS

2. [1.1] Tang, H (Tang, Hua); Chen, QF (Chen, Qi-Feng); Liu, XY (Liu, Xiao-Yu); Zhang, H (Zhang, Hua); Chen, DL (Chen, Dong-Lin); Wang, FP (Wang, Feng-Peng): Novel analogues of diterpenoid alkaloids from ring distortion of talatisamine, a potassium ion channel blocker. In: TETRAHEDRON Volume: 72 Issue: 10 Pages: 1357-1363, WOS

ADCA729 UHRÍN, Dušan - LIPTAJ, T. - KOVÉR, K.E. Modified BIRD pulses and design of heteronuclear pulse sequences. In Journal of Magnetic Resonance, 1993, vol. 101, p. 41-46. ISSN 1090-7807.

Citácie:

1. [1.2] Claridge, T. D. W. (2016). In High-resolution NMR techniques in organic chemistry: Third edition (Elsevier, pp. 1-541), SCOPUS

ADCA730 UHRÍNOVÁ, Stanislava - UHRÍN, Dušan - LIPTAJ, Tibor - BELLA, Juraj - HIRSCH, Ján. Measurement of one-bond proton-carbon coupling constants of saccharides. In Magnetic Resonance in Chemistry, 1991, vol. 29, p. 912-922. ISSN 0749-1581.

Citácie:

1. [1.1] Lavoie, S (Lavoie, Serge); Ouellet, M (Ouellet, Michael); Fleury, PY (Fleury, Pierre-Yves); Gauthier, C (Gauthier, Charles); Legault, J (Legault, Jean); Pichette, A (Pichette, Andre): Complete H-1 and C-13 NMR assignments of a series of pergalloylated tannins. In: MAGNETIC RESONANCE IN CHEMISTRY Volume: 54 Issue: 2 Pages: 168-174, WOS

2. [1.1] Nyman, AAT (Nyman, Anna Armika T.); Aachmann, FL (Aachmann, Finn L.); Rise, F (Rise, Frode); Ballance, S (Ballance, Simon); Samuelsen, ABC (Samuelsen, Anne Berit C.): Structural characterization of a branched (1 -> 6)-alpha-mannan and beta-glucans isolated from the fruiting bodies of Cantharellus cibarius. In: CARBOHYDRATE POLYMERS Volume: 146 Pages: 197-207, WOS

ADCA731 URBÁNIKOVÁ, Ľubica - VRŠANSKÁ, Mária - MORKEBERG KROGH, K.B.R. - HOFF, T. - BIELY, Peter. Structural basis for substrate recognition by Erwinia chrysanthemi GH30 glucuronoxylanase. In FEBS Journal, 2011, vol. 278, p. 2105-2116. (3.129 - IF2010). (2011 - Current Contents). ISSN 1742-464X.

Citácie:

1. [1.1] BUSSE-WICHER, M. - GRANTHAM, N.J. - LYCZAKOWSKI, J.J. - NIKOLOVSKI, N. - DUPREE, P. In BIOCHEMICAL SOCIETY TRANSACTIONS. FEB 15 2016, vol. 44, 1, p. 74-78., WOS

2. [1.1] BUSSE-WICHER, M. - LI, A. - SILVEIRA, R.L. - PEREIRA, C.S. - TRYFONA, T. - GOMES, T.C.F. - SKAF, M.S. - DUPREE, P. In PLANT PHYSIOLOGY. AUG 2016, vol. 171, no. 4, p. 2418-2431., WOS

3. [1.1] FREIRE, F. - VERMA, A. - BULE, P. - ALVES, V.D. - FONTES, C.M.G.A. - GOYAL, A. - NAJMUDIN, S. In ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY. NOV 2016, vol. 72, 11, p. 1162-1173., WOS

4. [1.1] VALLS, A. - DIAZ, P. - PASTOR, F.I.J. - VALENZUELA, S.V. In APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. FEB 2016, vol. 100, no. 4, p. 1743-1751., WOS

5. [1.1] VERMA, A.K. - GOYAL, A. In JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC. JUL 2016, vol. 129, p. 6-14., WOS

ADCA732 VACULÍK, Marek - LUX, Alexander - LUXOVÁ, Miroslava - TANIMOTO, Eiichi - LICHTSCHEIDL, Irene. Silicon mitigates cadmium inhibitory effects in young maize plants. In Environmental and Experimental Botany, 2009, vol. 67, no. 1, p. 52-58. (2.301 - IF2008). (2009 - Current Contents, SCOPUS, GEOBASE, BIOSIS). ISSN 0098-8472.

Citácie:

1. [1.1] COOKE, J. - LEISHMAN, M.R. Consistent alleviation of abiotic stress with silicon addition: a meta-analysis. In FUNCTIONAL ECOLOGY. ISSN 0269-8463, AUG 2016, vol. 30, no. 8, p. 1340-1357., WOS

2. [1.1] FAROOQ, M.A. - DETTERBECK, A. - CLEMENS, S. - DIETZ, K.J. Silicon-induced

reversibility of cadmium toxicity in rice. In JOURNAL OF EXPERIMENTAL BOTANY. ISSN 0022-0957, MAY 2016, vol. 67, no. 11, p. 3573-3585., WOS
3. [1.1] GUO, B. - LIU, C. - DING, N.F. - FU, Q.L. - LIN, Y.C. - LI, H. - LI, N.Y. Silicon Alleviates Cadmium Toxicity in Two Cypress Varieties by Strengthening the Exodermis Tissues and Stimulating Phenolic Exudation of Roots. In JOURNAL OF PLANT GROWTH REGULATION. ISSN 0721-7595, JUN 2016, vol. 35, no. 2, p. 420-429., WOS
4. [1.1] HUANG, Y.C. - CHEN, H. - ZHAO, W.J. - LI, W.D. - YANG, H.Y. - SUN, Y. - WANG, L. - CAO, S.H. Silicon-mediated alleviation of Cadmium toxicity on Thujopsis dolabrata. In PHYTON-INTERNATIONAL JOURNAL OF EXPERIMENTAL BOTANY. ISSN 1851-5657, 2016, vol. 85, p. 283-290., WOS
5. [1.1] JI, X.H. - LIU, S.H. - HUANG, J. - BOCHARNIKOVA, E. - MATICHENKOV, V. Monosilicic acid potential in phytoremediation of the contaminated areas. In CHEMOSPHERE. ISSN 0045-6535, AUG 2016, vol. 157, p. 132-136., WOS
6. [1.1] KHALIQ, A. - ALI, S. - HAMEED, A. - FAROOQ, M.A. - FARID, M. - SHAKOOR, M.B. - MAHMOOD, K. - ISHAQUE, W. - RIZWAN, M. Silicon alleviates nickel toxicity in cotton seedlings through enhancing growth, photosynthesis, and suppressing Ni uptake and oxidative stress. In ARCHIVES OF AGRONOMY AND SOIL SCIENCE. ISSN 0365-0340, MAY 3 2016, vol. 62, no. 5, p. 633-647., WOS
7. [1.1] MATICHENKOV, V.V. - BOCHARNIKOVA, E.A. - PAHNENKO, E.P. - KHOMIAKOV, D.M. - MATICHENKOV, I.V. - QIANG, Z. - XIAO, W. Reduction of Cd, Cu, Ni, and Pb Mobility by Active Si in a Laboratory Study. In MINE WATER AND THE ENVIRONMENT. ISSN 1025-9112, SEP 2016, vol. 35, no. 3, p. 302-309., WOS
8. [1.1] RIZWAN, M. - MEUNIER, J.D. - DAVIDIAN, J.C. - POKROVSKY, O.S. - BOVET, N. - KELLER, C. Silicon alleviates Cd stress of wheat seedlings (Triticum turgidum L. cv. Claudio) grown in hydroponics. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, JAN 2016, vol. 23, no. 2, p. 1414-1427., WOS
9. [1.1] SAHEBI, M. - HANAFI, M.M. - AZIZI, P. Application of silicon in plant tissue culture. In IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT. ISSN 1054-5476, JUN 2016, vol. 52, no. 3, p. 226-232., WOS
10. [1.1] WANG, Y.C. - HU, Y.H. - DUAN, Y.K. - FENG, R. - GONG, H.J. Silicon reduces long-term cadmium toxicities in potted garlic plants. In ACTA PHYSIOLOGIAE PLANTARUM. ISSN 0137-5881, AUG 2016, vol. 38, no. 8., WOS
11. [1.1] WEI, X. - LIU, Y.Q. - ZHAN, Q. - MATICHENKOV, V. - BOCHARNIKOVA, E. - DASTOL, M. Efficacy of Si fertilization to modulate the heavy metals absorption by barley (Hordeum vulgare L.) and pea (Pisum sativum L.). In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, OCT 2016, vol. 23, no. 20, p. 20402-20407., WOS
12. [1.1] YU, H.Y. - DING, X.D. - LI, F.B. - WANG, X.Q. - ZHANG, S.R. - YI, J.C. - LIU, C.P. - XU, X.H. - WANG, Q. The availabilities of arsenic and cadmium in rice paddy fields from a mining area: The role of soil extractable and plant silicon. In ENVIRONMENTAL POLLUTION. ISSN 0269-7491, AUG 2016, vol. 215, p. 258-265., WOS
13. [1.1] YU, Q. - GUO, Y. - XIE, Z.X. - SUN, K. - XU, J. - YANG, T. - LIU, X.J. EFFECTS OF SALT STRESS ON TILLERING NODES TO THE GROWTH OF WINTER WHEAT (TRITICUM AESTIVUM L.). In PAKISTAN JOURNAL OF BOTANY. ISSN 0556-3321, OCT 2016, vol. 48, no. 5, p. 1775-1782., WOS
14. [1.2] Imtiaz, M., Rizwan, M. S., Mushtaq, M. A., Ashraf, M., Shahzad, S. M., Yousaf, B., Saeed, D. A, Rizwan, M., Nawaz, M. A., Mehmood, S., Tu, S. (2016). Silicon occurrence, uptake, transport and mechanisms of heavy metals, minerals and salinity enhanced tolerance in plants with future prospects: A review. Journal of Environmental Management, 183, 521-529, SCOPUS
15. [1.2] Xiao, W., Yuqiao, L., Qiang, Z., Matichenkov, V., Bocharnikova, E., & Dåstøl, M. (2016). Efficacy of si fertilization to modulate the heavy metals absorption by barley (hordeum vulgare L.) and pea (pisum sativum L.). Environmental Science and Pollution Research, 23(20), 20402-20407, SCOPUS
16. [4.1] Martiček, E. – Lukačová, Z. Zmierňuje nízka koncentrácia kremíka (Si) stredne silný stres z arzénu (As), kadmia (Cd) a zinku (Zn) v kukurici? In Študentská vedecká konferencia PriF UK 2015 : zborník recenzovaných príspevkov. - Bratislava : Univerzita Komenského v Bratislave, 2015, s. 506-511. ISBN 978-80-223-3859-2.

ADCA733 VADKERTIOVÁ, Renáta - SLÁVIKOVÁ, Elena. Killer activity of yeasts isolated from the water environment. In Canadian journal of microbiology, 1995, vol. 41, p. 759-766. ISSN 0008-4166.

Citácie:

1. [1.1] Banjara, N (Banjara, Nabaraj); Nickerson, KW (Nickerson, Kenneth W.); Suhr, MJ (Suhr, Mallory J.); Hallen-Adams, HE (Hallen-Adams, Heather E.): Killer toxin from several food-derived Debaryomyces hansenii strains effective against pathogenic Candida yeasts. In: INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY Volume: 222 Pages: 23-29, WOS

2. [1.1] Liguori, G (Liguori, Giuseppina); Lamas, B (Lamas, Bruno); Richard, ML (Richard, Mathias L.); Brandi, G (Brandi, Giovanni); da Costa, G (da Costa, Gregory); Hoffmann, TW (Hoffmann, Thomas W.); Di Simone, MP (Di Simone, Massimo Pierluigi); Calabrese, C (Calabrese, Carlo); Poggioli, G (Poggioli, Gilberto); Langella, P (Langella, Philippe); Campieri, M (Campieri, Massimo); Sokol, H (Sokol, Harry): Fungal Dysbiosis in Mucosa-associated Microbiota of Crohn's Disease Patients. In: JOURNAL OF CROHNS & COLITIS Volume: 10 Issue: 3 Pages: 296-305, WOS

ADCA734 VADKERTIOVÁ, Renáta - MOLNÁROVÁ, Jana - LUX, Alexander - VACULÍK, Marek - LIŠKOVÁ, Desana. Yeasts associated with an abandoned mining area in Pernek and their tolenace to different chemical elements. In Folia Microbiologica, 2016, vol. 61, p.199-207. (1.335 - IF2015). (2016 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Russo, G (Russo, Gabriel); Libkind, D (Libkind, Diego); Giraudo, MR (Giraudo, Maria Rosa); Delgado, OD (Daniel Delgado, Osvaldo): Heavy metal capture by autochthonous yeasts from a volcanic influenced environment of Patagonia. In: JOURNAL OF BASIC MICROBIOLOGY Volume: 56 Issue: 11 Pages: 1203-1211, WOS

ADCA735 VADKERTIOVÁ, Renáta - MOLNÁROVÁ, Jana - VRÁNOVÁ, Dana - SLÁVIKOVÁ, Elena. Yeasts and yeast-like organisms associated with fruits and blossoms of different fruit trees. In Canadian Journal of Microbiology, 2012, vol. 58, p. 1344-1352. (1.363 - IF2011). (2012 - Current Contents). ISSN 0008-4166.

Citácie:

1. [1.1] Beck, ZT (Beck, Zachary T.); Xing, Z (Xing, Zheng); Tran, EJ (Tran, Elizabeth J.): LncRNAs: Bridging environmental sensing and gene expression. In: RNA BIOLOGY Volume: 13 Issue: 12 Pages: 1189-1196, WOS

2. [1.1] Knight, AL (Knight, Alan L.); Basoalto, E (Basoalto, Esteban); Yee, W (Yee, Wee); Hilton, R (Hilton, Rick); Kurtzman, CP (Kurtzman, Cletus P.): Adding yeasts with sugar to increase the number of effective insecticide classes to manage Drosophila suzukii (Matsumura) (Diptera: Drosophilidae) in cherry. In: PEST MANAGEMENT SCIENCE Volume: 72 Issue: 8 Pages: 1482-1490, WOS

3. [1.1] Portugal, CB (Portugal, Caure Barbosa); Alcarde, AR (Alcarde, Andre Ricardo); Bortoletto, AM (Bortoletto, Aline Marques); de Silva, AP (de Silva, Arthur Paron): The role of spontaneous fermentation for the production of cacha double dagger a: a study of case. In: : EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 242 Issue: 9 Pages: 1587-1597, WOS

4. [1.1] Salamone, AL (Salamone, Amy L.); Robicheau, BM (Robicheau, Brent M.); Walker, AK (Walker, Allison K.): Fungal diversity of marine biofilms on artificial reefs in the north-central Gulf of Mexico. In: BOTANICA MARINA Volume: 59 Issue: 5 Pages: 291-305, WOS

5. [1.1] Saunders, ME (Saunders, Manu E.); Luck, GW (Luck, Gary W.): Combining Costs and Benefits of Animal Activities to Assess Net Yield Outcomes in Apple Orchards. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0158618, WOS

ADCA736 VADKERTIOVÁ, Renáta - SLÁVIKOVÁ, Elena. Influence of pesticides on the yeasts colonizing the leaves. In Zeitschrift für Naturforschung C, 2011, vol. 66c, p. 588-594. (0.718 - IF2010). (2011 - Current Contents). ISSN 0939-5075.

Citácie:

1. [1.1] Knight, AL (Knight, Alan L.); Basoalto, E (Basoalto, Esteban); Yee, W (Yee, Wee); Hilton, R (Hilton, Rick); Kurtzman, CP (Kurtzman, Cletus P.): Adding yeasts with sugar to increase the number of effective insecticide classes to manage Drosophila suzukii (Matsumura) (Diptera: Drosophilidae) in cherry. In: PEST MANAGEMENT SCIENCE Volume: 72 Issue: 8 Pages: 1482-1490, WOS

2. [1.1] Scariot, FJ (Scariot, Fernando J.); Jahn, LM (Jahn, Luciane M.); Delamare, APL (Delamare, Ana Paula L.); Echeverrigaray, S (Echeverrigaray, Sergio): The effect of the fungicide captan on Saccharomyces cerevisiae and wine fermentation. In: 39TH WORLD CONGRESS OF VINE AND WINE Book Series Title: BIO Web of Conferences Volume: 7 Article Number: UNSP 02027, WOS

ADCA737 VADKERTIOVÁ, Renáta - SLÁVIKOVÁ, Elena. Metal tolerance of yeasts isolated from water, soil and plat environments. In Journal of Basic Microbiology, 2006, vol. 46, p. 145-152. (2006 - Current Contents). ISSN 0233-111X.

Citácie:

1. [1.1] Gorter, FA (Gorter, Florien A.); Aarts, MMG (Aarts, Mark M. G.); Zwaan, BJ (Zwaan, Bas J.); de Visser, JAGM (de Visser, J. Arjan G. M.): Dynamics of Adaptation in Experimental Yeast Populations Exposed to Gradual and Abrupt Change in Heavy Metal Concentration. In: AMERICAN NATURALIST Volume: 187 Issue: 1 Pages: 110-119, WOS

2. [1.1] Irawati, W (Irawati, Wahyu); Wijaya, Y (Wijaya, Yantra); Christian, S (Christian,

Salomo); Djojo, ES (Djojo, Eric Santoso): Characterization of Heavy Metals Resistant Yeast Isolated from Activated Sludge in Rungkut, Surabaya, Indonesia as Biosorbent of Mercury, Copper, and Lead. In: TOWARDS THE SUSTAINABLE USE OF BIODIVERSITY IN A CHANGING ENVIRONMENT: FROM BASIC TO APPLIED RESEARCH Book Series Title: AIP Conference Proceedings Volume: 1744 Article Number: 020061, WOS
3. [1.1] Lategan, MJ (Lategan, Maria Josie); Klare, W (Klare, William); Kidd, S (Kidd, Sarah); Hose, GC (Hose, Grant C.); Nevalainen, H (Nevalainen, Helena): The unicellular fungal tool RhoTox for risk assessments in groundwater systems. In: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 132 Pages: 18-25, WOS
4. [1.1] Manorama, B. A., Sucharita, P. S., Aradhana, B., & Kumar, D. N. (2016). Kinetics and surface studies on biosorption of cr (VI) by using dead fungal biomass from chromium mine waste, sukinda, india. Research Journal of Chemistry and Environment, 20(12), 42-50, SCOPUS
5. [1.1] Ramos-Garza, J (Ramos-Garza, Juan); Bustamante-Brito, R (Bustamante-Brito, Rafael); de Paz, GA (Angeles de Paz, Gabriela); Medina-Canales, MG (Gabriela Medina-Canales, Ma.); Vasquez-Murrieta, MS (Soledad Vasquez-Murrieta, Maria); Wang, ET (Tao Wang, En); Rodriguez-Tovar, AV (Veronica Rodriguez-Tovar, Aida): Isolation and characterization of yeasts associated with plants growing in heavy-metal- and arsenic-contaminated soils. In: CANADIAN JOURNAL OF MICROBIOLOGY Volume: 62 Issue: 4 Pages: 307-319, WOS
6. [1.1] Russo, G (Russo, Gabriel); Libkind, D (Libkind, Diego); Giraudo, MR (Giraudo, Maria Rosa); Delgado, OD (Daniel Delgado, Osvaldo): Heavy metal capture by autochthonous yeasts from a volcanic influenced environment of Patagonia. In: JOURNAL OF BASIC MICROBIOLOGY Volume: 56 Issue: 11 Pages: 1203-1211, WOS
7. [1.1] Ryazanova, L (Ryazanova, Lubov); Zvonarev, A (Zvonarev, Anton); Rusakova, T (Rusakova, Tatiana); Dmitriev, V (Dmitriev, Vladimir); Kulakovskaya, T (Kulakovskaya, Tatiana): Manganese tolerance in yeasts involves polyphosphate, magnesium, and vacuolar alterations. In: FOLIA MICROBIOLOGICA Volume: 61 Issue: 4 Pages: 311-317, WOS
8. [3.1] Fatma, M., Gehad, F., Ahmed, A. E. (2015-2016). Isolation of Heavy Metal Tolerant Fungi from Industrial Discharge. Journal of Chemical, Biological and Physical Science, Section D: Environmental Sciences, 6(1), 018-035
9. [3.1] Zili, D., Jinpin, W., Chunhai, J., Cougui, C. (2016). Isolation of heavy metal-resistant fungi from contaminated soil and co-culturing with rice seedlings. African Journal of Microbiology Research, 10(28), 1080-1085

ADCA738 VAFIADI, Christina - TOPAKAS, Evangelos - BIELY, Peter. Purification, characterization and mass spectrometric sequencing of a thermophilic glucuronoyl esterase from Sporotrichum thermophile. Peter Biely. In FEMS Microbiology Letters, 2009, vol.296, p. 178-184. (2.021 - IF2008). (2009 - Current Contents). ISSN 0378-1097.

Citácie:

1. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS
2. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad.In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS
3. [1.1] Singh, B (Singh, Bijender): Myceliophthora thermophila syn. Sporotrichum thermophile: a thermophilic mould of biotechnological potential. In: CRITICAL REVIEWS IN BIOTECHNOLOGY Volume: 36 Issue: 1 Pages: 59-69, WOS
4. [1.1] Singh, B (Singh, Bijender); Pocas-Fonseca, MJ (Pocas-Fonseca, Marcio J.); Johri, BN (Johri, B. N.); Satyanarayana, T (Satyanarayana, Tulasi): Thermophilic molds: Biology and applications. In: CRITICAL REVIEWS IN MICROBIOLOGY Volume: 42 Issue: 6 Pages: 985-1006, WOS

ADCA739 VALACH, Milan - KATRLÍK, Jaroslav - ŠTURDÍK, Ernest - GEMEINER, Peter. Ethanol Gluconobacter biosensor designed for flow injection analysis Application in ethanol fermentation off-line monitoring. Ernest Šturdík, Peter Gemeiner. In Sensors and Actuators B, 2009, vol.138, p. 581-586. (1.724 - IF2008).

Citácie:

1. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In. SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS
2. [1.2] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016).

Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS

ADCA740 VALACHOVÁ, Katarína - TOPOĽSKÁ, Dominika - MENDICHI, Raniero - COLLINS, Maurice N. - SASINKOVÁ, Vlasta - ŠOLTÉS, Ladislav. Hydrogen peroxide generation by the Weissberger biogenic oxidative system during hyaluronan degradation. In Carbohydrate Polymers, 2016, vol. 148, p. 189-193. (4.219 - IF2015). (2016 - Current Contents). ISSN 0144-8617.(VEGA č. 2/0065/15 : Protektívne účinky prírodných a syntetických látok pred oxidačným poškodením vysokomolekulového hyalurónanu, izolovaných živočíšnych buniek a ich mitochondrií).

Citácie:

1. [1.1] CAI, C.E. - GUO, Z.Y. - YANG, Y.Y. - GENG, Z.L. - TANG, L.L. - ZHAO, M.L. - QIU, Y.Y. - CHEN, Y.F. - HE, P.M. Inhibition of hydrogen peroxide induced injuring on human skin fibroblast by Ulva prolifera polysaccharide. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2016, vol. 91, p. 241-247., WOS

ADCA741 VALACHOVÁ, Katarína - KOGAN, Grigorij - GEMEINER, Peter - ŠOLTÉS, Ladislav. Hyaluronan degradation by ascorbate: protective effects of manganese(II) chloride. In Cellulose Chemistry and Technology, 2008, vol. 42, no. 9-10, p.473-483. (0.113 - IF2007). (2008 - Current Contents). ISSN 0576-9787.

Citácie:

1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

ADCA742 VAN PEU, N.N.M.E. - BRINKMANN, J. - VRŠANSKÁ, Mária - VISSER, J. - DE GRAAFF, L.H. Beta xylosidase activity, encoded by xlnD, is essential for complete hydrolysis of xylan by Aspergilus niger but not for induction of the xylanolytic enzyme spectrum. In European Journal of Biochemistry, 1997, vol. 245, p. 164-173. (1997 - Current Contents, SCOPUS). ISSN 0014-2956.

Citácie:

1. [1.1] Bosetto, A (Bosetto, Adilson); Justo, PI (Justo, Priscila Innocenti); Zanardi, B (Zanardi, Bruna); Venzon, SS (Venzon, Simoni Spohr); Graciano, L (Graciano, Luciana); dos Santos, EL (dos Santos, Elaine Luzia); Simao, RDG (Garcia Simao, Rita de Cassia) : Research Progress Concerning Fungal and Bacterial beta-Xylosidases. In: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 178 Issue: 4 Pages: 766-795, WOS

2. [1.1] Kiesenhofer, D (Kiesenhofer, Daniel); Mach-Aigner, AR (Mach-Aigner, Astrid R.); Mach, RL (Mach, Robert L.): Understanding the Mechanism of Carbon Catabolite Repression to Increase Protein Production in Filamentous Fungi. In: GENE EXPRESSION SYSTEMS IN FUNGI: ADVANCEMENTS AND APPLICATIONS Book Series Title: Fungal Biology-US Pages: 275-288, WOS

3. [1.1] Li, YN (Li, Yanan); Zheng, XJ (Zheng, Xiaoju); Zhang, XJ (Zhang, Xiujun); Bao, LF (Bao, Longfei); Zhu, YY (Zhu, Yingying); Qu, YB (Qu, Yinbo); Zhao, J (Zhao, Jian); Qin, YQ (Qin, Yuqi): The Different Roles of Penicillium oxalicum LaeA in the Production of Extracellular Cellulase and beta-xylosidase. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 2091, WOS

4. [1.1] Morrison, JM (Morrison, Jessica M.); Elshahed, MS (Elshahed, Mostafa S.); Youssef, N (Youssef, Noha): A multifunctional GH39 glycoside hydrolase from the anaerobic gut fungus Orpinomyces sp strain CIA. In: PEERJ Volume: 4 Article Number: e2289, WOS

5. [1.1] Mustafa, G (Mustafa, Ghulam); Kousar, S (Kousar, Sumaira); Rajoka, MI (Rajoka, Muhammad Ibrahim); Jamil, A (Jamil, Amer): Molecular cloning and comparative sequence analysis of fungal beta-Xylosidases. In: AMB EXPRESS Volume: 6 Article Number: 30, WOS

6. [1.1] Salem, MZM (Salem, Mohamed Z. M.); Zidan, YE (Zidan, Yassin E.); El Hadidi, NMN (El Hadidi, Nesrin M. N.); Mansour, MMA (Mansour, Maisa M. A.); Abo Elgat, WAA (Abo Elgat, Wael A. A.): Evaluation of usage three natural extracts applied to three commercial wood species against five common molds. In: INTERNATIONAL BIODETERIORATION & BIODEGRADATION Volume: 110 Pages: 206-226, WOS

7. [1.1] Salem, MZM (Salem, Mohamed Z. M.); Zidan, YE (Zidan, Yassin E.); Mansour, MMA (Mansour, Maisa M. A.); El Hadidi, NMN (El Hadidi, Nesrin M. N.); Elgat, WAAA (Elgat, Wael A. A. Abo): Antifungal activities of two essential oils used in the treatment of three commercial woods deteriorated by five common mold fungi. In: INTERNATIONAL BIODETERIORATION & BIODEGRADATION Volume: 106 Pages: 88-96, WOS

8. [1.1] Sasaki, Y (Sasaki, Yusuke); Takagi, T (Takagi, Toshiyuki); Motone, K (Motone, Keisuke); Kuroda, K (Kuroda, Kouichi); Ueda, M (Ueda, Mitsuyoshi): Ethanol production from hemicellulose using xylose isomerase-displaying yeast. In: NEW BIOTECHNOLOGY Volume: 33 Pages: S85-S85 Meeting Abstract: P7-9, WOS

9. [1.1] Tramontina, R (Tramontina, Robson); Robl, D (Robl, Diogo); Maitan-Alfenas, GP (Maitan-Alfenas, Gabriela Piccolo); de Vries, RP (de Vries, Ronald P.): Cooperation of Aspergillus nidulans enzymes increases plant polysaccharide saccharification. In: BIOTECHNOLOGY JOURNAL Volume: 11 Issue: 7 Pages: 988-992, WOS
10. [1.2] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, Volume 2, chapter 20, pp. 809-895), SCOPUS

ADCA743 VIKARTOVSKÁ, Alica, Welwardová - BUČKO, Marek - MISLOVIČOVÁ, Danica - PÄTOPRSTÝ, Vladimir - LACÍK, Igor - GEMEINER, Peter. Improvement of the stability of glucose oxidase via encapsulation in sodium alginate-cellulose sulfate-poly(methylene-co-guanidine) capsules. In Enzyme and Microbial Technology, 2007, vol. 41, p. 748-755. (1.897 - IF2006). (2007 - Current Contents). ISSN 0141-0229.

Citácie:

1. [1.1] MAHOU, R. - PASSEMARD, S. - CARVELLO, M. - PETRELLI, A. - NOVERRAZ, F. - GERBER-LEMAIRE, S. - WANDREY, C. Contribution of polymeric materials to progress in xenotransplantation of microencapsulated cells: a review. In XENOTRANSPLANTATION. ISSN 0908-665X, MAY-JUN 2016, vol. 23, no. 3, p. 179-201., WOS
2. [1.1] MVILA, B.G. - PILAR-IZQUIERDO, M.C. - BUSTO, M.D. - PEREZ-MATEOS, M. - ORTEGA, N. Synthesis and characterization of a stable humic-urease complex: application to barley seed encapsulation for improving N uptake. In JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE. ISSN 0022-5142, JUL 2016, vol. 96, no. 9, p. 2981-2989., WOS
3. [1.2] MONG THU, T.T.- KRASAEKOOPT, W. Encapsulation of protease from Aspergillus oryzae and lipase from Thermomyces lanuginoseus using alginate and different copolymer types. (2016) Agriculture and Natural Resources, 50 (3), p. 155-161. DOI: 10.1016/j.anres.2016.06.002, Scopus

ADCA744 VLČKOVÁ, Viera - DÚHOVÁ, V. - SVIDOVÁ, Soňa - FARKAŠOVÁ, A. - KAMASOVÁ, S. - VLČEK, D. - KOGAN, Grigorij - RAUKO, Peter - MIADOKOVÁ, Eva. Antigenotoxic potential of glucomannan on four model test systems. In Cell biology and toxicology, 2004, vol. 20, no. 6, p. 325-332. ISSN 0742-2091.

Citácie:

1. [1.1] FDHILA, Kais - HADDAJI, Najla - CHAKROUN, Ibtissem - MACHERKI, Mohammed Ezz Eddine - NEFZI, Faten - BAKHROUF, Amina. Glucomannan's protective effect on the virulence of Vibrio splendidus in pacific oyster. In FISH & SHELLFISH IMMUNOLOGY. ISSN 1050-4648, 2016, vol. 56, no., pp. 410., WOS
2. [1.1] Fdhila, K (Fdhila, Kais); Haddaji, N (Haddaji, Najla); Chakroun, I (Chakroun, Ibtissem); Macherki, MEE (Macherki, Mohammed Ezz Eddine); Nefzi, F (Nefzi, Faten); Bakhrouf, A (Bakhrouf, Amina): Glucomannan's protective effect on the virulence of Vibrio splendidus in pacific oyster. In: FISH & SHELLFISH IMMUNOLOGY Volume: 56 Pages: 410-416, WOS

ADCA745 VODENIČAROVÁ, M. - DŘÍMALOVÁ, E. - HROMÁDKOVÁ, Zdenka - MALOVÍKOVÁ, Anna - EBRINGEROVÁ, Anna. Xyloglucan degradation using different radiation sources: A comparative study. In Ultrasonics Sonochemistry, 2006, vol. 13, p. 157-164. ISSN 1350-4177.

Citácie:

1. [1.1] Azizi, R (Azizi, Rezvan); Farahnaky, A (Farahnaky, Asgar):Ultrasound assisted-viscosifying of kappa carrageenan without heating. In: FOOD HYDROCOLLOIDS Volume: 61 Pages: 85-91, WOS
2. [1.1] Liu, C (Liu, Chao); Sun, YH (Sun, Yonghai); Mao, Q (Mao, Qian); Guo, XL (Guo, Xiaolei); Li, P (Li, Peng); Liu, Y (Liu, Yang); Xu, N (Xu, Na): Characteristics and Antitumor Activity of Morchella esculenta Polysaccharide Extracted by Pulsed Electric Field. In: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 17 Issue: 6 Article Number: 986, WOS
3. [1.1] Minjares-Fuentes, R (Minjares-Fuentes, R.); Femenia, A (Femenia, A.); Garau, MC (Garau, M. C.); Candelas-Cadillo, MG (Candelas-Cadillo, M. G.); Simal, S (Simal, S.); Rossello, C (Rossello, C.): Ultrasound-assisted extraction of hemicelluloses from grape pomace using response surface methodology. In: CARBOHYDRATE POLYMERS Volume: 138 Pages: 180-191, WOS
4. [1.1] Todaro, S (Todaro, Simona); Sabatino, MA (Sabatino, Maria Antonietta); Ajovalasit, A (Ajovalasit, Alessia); Ditta, LA (Ditta, Lorena A.); Castiglia, D (Castiglia, Debora); Wach, RA (Wach, Radoslaw A.); Ulanski, P (Ulanski, Piotr); Bulone, D (Bulone, Donatella); Dispenza, C (Dispenza, Clelia): Radiation Engineering of Xyloglucan Hydrogels. In: 5TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL BIOTECHNOLOGY (IBIC 2016) Book Series Title: Chemical Engineering Transactions Volume: 49 Pages: 289-294, WOS
5. [1.1] Todaro, S (Todaro, Simona); Sabatino, MA (Sabatino, Maria Antonietta); Mangione, MR (Mangione, Maria Rosalia); Picone, P (Picone, Pasquale); Di Giacinto, ML (Di GiacintoMaria

Laura); Bulone, D (Bulone, Donatella); Dispenza, C (Dispenza, Celia): Temporal control of xyloglucan self-assembly into layered structures by radiation-induced degradation. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 382-390, WOS
6. [1.1] Yao, Y (Yao, Yang); Zhu, YY (Zhu, Yingying); Ren, GX (Ren, Guixing): Immunoregulatory activities of polysaccharides from mung bean. In: CARBOHYDRATE POLYMERS Volume: 139 Pages: 61-66, WOS

ADCA746 VOJTECH, Michal - PETRUŠOVÁ, Mária - PRIBULOVÁ, Božena - PETRUŠ, Ladislav. Direct conversion of 1-deoxy-1-nitroalditols to methyl glycofuranosides. In Tetrahedron Letters, 2008, vol.49, p. 3112-3116. ISSN 0040-4039.

Citácie:
1. [1.1] Tang, SB (Tang, Shengbiao); Xiong, DC (Xiong, De-Cai); Jiang, SD (Jiang, Shende); Ye, XS (Ye, Xin-Shan): Nitro-polyols via Pyridine Promoted C=C Cleavage of 2-Nitroglycals. Application to the Synthesis of (-)-Hyacinthacine A1. In: ORGANIC LETTERS Volume: 18 Issue: 3 Pages: 568-571, WOS

ADCA747 VOJTECH, Michal - PETRUŠOVÁ, Mária - VALENT, Ivan - PRIBULOVÁ, Božena - PETRUŠ, Ladislav. Preparation of D-galactofuranosyl nitromethanes: a revision and a new approach. In Carbohydrate Research, 2011, vol. 346, p. 715-721. (1.898 - IF2010). (2011 - Current Contents). ISSN 0008-6215.

Citácie:
1. [1.1] Tang, SB (Tang, Shengbiao); Xiong, DC (Xiong, De-Cai); Jiang, SD (Jiang, Shende); Ye, XS (Ye, Xin-Shan): Nitro-polyols via Pyridine Promoted C=C Cleavage of 2-Nitroglycals. Application to the Synthesis of (-)-Hyacinthacine A1. In. ORGANIC LETTERS Volume: 18 Issue: 3 Pages: 568-571, WOS

ADCA748 VOS, Paul de - BUČKO, Marek - GEMEINER, Peter - NAVRÁTIL, Marián - ŠVITEL, Juraj - FAAS, Marijke - STRAND, Berit Lokensgard - SKJAK-BRAEK, Gudmund - MORCH, Yrr A. - VIKARTOVSKÁ, Alica, Welwardová - LACÍK, Igor - HLOUŠKOVÁ, Gabriela - ORIVE, Gorka - PONCELET, Dennis - PEDRAZ, Jose Luis - ANSORGE-SCHUMACHER, Marion B. Multiscale requirements for bioencapsulation in medicine and biotechnology. In Biomaterials, 2009, vol. 30, p. 2559 - 2570. (6.646 - IF2008). (2009 - Current Contents). ISSN 0142-9612.

Citácie:
1. [1.1] HATI, A.G. - ARNFINNSDOTTIR, N.B. - OSTEVOLD, C. - SLETMOEN, M. - ETIENNE, G. - AMSTAD, E. - STOKKE, B.T. Microarrays for the study of compartmentalized microorganisms in alginate microbeads and (W/O/W) double emulsions. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 115, p. 114830-114842., WOS
2. [1.1] HEYDARI, A. - DOOSTAN, F. - KHOSHNOOD, H. - SHEIBANI, H. Water-soluble cationic poly(beta-cyclodextrin-co-guanidine) as a controlled vitamin B-2 delivery carrier. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 40, p. 33267-33278., WOS
3. [1.1] POP, O.L. - VODNAR, D.C. - SOCACIU, C. Encapsulation Field Polymers Fourier Transform Infrared Spectroscopy (FTIR). 2016. In: HANDBOOK OF ENCAPSULATION AND CONTROLLED RELEASE Pages: 617-639, WOS
4. [1.1] SONG, S. - ROY, S. Progress and challenges in macroencapsulation approaches for type 1 diabetes (T1D) treatment: Cells, biomaterials, and devices. In BIOTECHNOLOGY AND BIOENGINEERING. ISSN 0006-3592, JUL 2016, vol. 113, no. 7, p. 1381-1402., WOS
5. [1.1] VEGAS, A.J. - VEISEH, O. - DOLOFF, J.C. - MA, M.L. - TAM, H.H. - BRATLIE, K. - LI, J. - BADER, A.R. - LANGAN, E. - OLEJNIK, K. - FENTON, P. - KANG, J.W. - HOLLISTER-LOCKE, J. - BOCHENEK, M.A. - CHIU, A. - SIEBERT, S. - TANG, K. - JHUNJHUNWALA, S. - ARESTA-DASILVA, S. - DHOLAKIA, N. - THAKRAR, R. - VIETTI, T. - CHEN, M. - COHEN, J. - SINIAKOWICZ, K. - QI, M.R.G. - MCGARRIGLE, J. - LYLE, S. - HARLAN, D.M. - GREINER, D.L. - OBERHOLZER, J. - WEIR, G.C. - LANGER, R. - ANDERSON, D.G. Combinatorial hydrogel library enables identification of materials that mitigate the foreign body response in primates. In NATURE BIOTECHNOLOGY. ISSN 1087-0156, MAR 2016, vol. 34, no. 3, p. 345-+., WOS
6. [1.1] WANG, G. - WANG, J.J. - LI, F. - TO, S.S.T. Development and Evaluation of a Novel Drug Delivery: Pluronics/SDS Mixed Micelle Loaded With Myricetin In Vitro and In Vivo. In JOURNAL OF PHARMACEUTICAL SCIENCES. ISSN 0022-3549, APR 2016, vol. 105, no. 4, p. 1535-1543., WOS
7. [1.1] WANI, T.A. - SHAH, A.G. - WANI, S.M. - WANI, I.A. - MASOODI, F.A. - NISSAR, N. - SHAGOO, M.A. Suitability of Different Food Grade Materials for the Encapsulation of Some Functional Foods Well Reported for Their Advantages and Susceptibility. In CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION. ISSN 1040-8398, 2016, vol. 56, no. 15, p. 2431-2454., WOS
8. [1.1] ZHENG, H.Z. - LI, S. - GAO, M. - REN, Y. - ZHENG, G.S. - XIE, H.G. - YU, W.T. - WANG, X.L. - MA, X.J. An improved model for exploring the effect of physicochemical properties

of alginate-based microcapsules on their fibrosis formation in vivo. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 96, p. 93288-93297., WOS

ADCA749 VOŠTIAR, I. - TKÁČ, Ján - MANDENIUS, C.-F. Intracellular monitoring of superoxide dismutase expression in an Escherichia coli fed-batch cultivation using on-line disruption with at-line surface plasmon resonance detection. In Analytical Biochemistry, 2005, vol. 342, p. 152-159. ISSN 0003-2697.

Citácie:

1. [1.1] Grinyte, R (Grinyte, Ruta); Barroso, J (Barroso, Javier); Moller, M (Moller, Marco); Saa, L (Saa, Laura); Pavlov, V (Pavlov, Valeri): Microbead QD-ELISA: Microbead ELISA Using Biocatalytic Formation of Quantum Dots for Ultra High Sensitive Optical and Electrochemical Detection. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 43 Pages: 29252-29260, WOS

ADCA750 VOŠTIAR, I. - TKÁČ, Ján - ŠTURDÍK, Ernest - GEMEINER, Peter. Amperometric urea biosensor based on urease and electropolymerized toluidine blue dye as a pH-sensitive redox probe. In Bioelectrochemistry, 2002, vol. 56, p. 113-115. (2002 - Current Contents). ISSN 1567-5394.

Citácie:

1. [1.1] Azadbakht, A (Azadbakht, Azadeh); Abbasi, AR (Abbasi, Amir Reza); Derikvand, Z (Derikvand, Zohreh); Karimi, Z (Karimi, Ziba): Preparation of the carboxylic acid-functionalized graphene oxide/gold nanoparticles/5-amino-2-hydroxybenzoic acid as a novel electrochemical sensing platform. In. MONATSHEFTE FUR CHEMIE Volume: 147 Issue: 4 Pages: 705-717, WOS

2. [1.1] Deng, HH (Deng, Hao-Hua); Hong, GL (Hong, Guo-Lin); Lin, FL (Lin, Feng-Lin); Liu, AL (Liu, Ai-Lin); Xia, XH (Xia, Xing-Hua); Chen, W (Chen, Wei): Colorimetric detection of urea, urease, and urease inhibitor based on the peroxidase-like activity of gold nanoparticles. In: ANALYTICA CHIMICA ACTA Volume: 915 Pages: 74-80, WOS

3. [1.1] Milton, RD (Milton, Ross D.); Wang, T (Wang, Tao); Knoche, KL (Knoche, Krysti L.); Minteer, SD (Minteer, Shelley D.): Tailoring Biointerfaces for Electrocatalysis. In: LANGMUIR Volume: 32 Issue: 10 Pages: 2291-2301, WOS

4. [1.1] Zhybak, M (Zhybak, M.); Beni, V (Beni, V.); Vagin, MY (Vagin, M. Y.); Dempsey, E (Dempsey, E.); Turner, APF (Turner, A. P. F.); Korpan, Y (Korpan, Y.): Creatinine and urea biosensors based on a novel ammonium ion-selective copper-polyaniline nano-composite. In: BIOSENSORS & BIOELECTRONICS Volume: 77 Pages: 505-511, WOS

ADCA751 VOTICKÝ, Zdeno - JAHODÁŘ, L. - CAVA, M.P. Alkaloids from Peshiera laeta MART. In Collection of Czechoslovak Chemical Communications, 1977, vol. 42, p. 1403-1406. ISSN 0010-0765.

Citácie:

1. [1.1] Marinho, FF (Marinho, Flavio F.); Simoes, AO (Simoes, Andre Olmos); Barcellos, T (Barcellos, Thiago); Moura, S (Moura, Sidnei): Brazilian Tabernaemontana genus: Indole alkaloids and phytochemical activities. In: FITOTERAPIA Volume: 114 Pages: 127-137, WOS

ADCA752 VRŠANSKÁ, Mária - NERINCKX, W. - CLAEYSSENS, M. - BIELY, Peter. An alternative approach for the synthesis of fluorogenic substrates of endo-beta-(1-4)-xylanasese and some applications. In Carbohydrate Research, 2008, vol.343, p. 541-548. (1.723 - IF2007). (2008 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Oode, C (Oode, Chisato); Shimada, W (Shimada, Wataru); Yokota, M (Yokota, Mariko); Yamada, Y (Yamada, Yoichi); Nihei, KI (Nihei, Ken-ichi): Dihydroresveratrol cellobioside and xylobioside as effective melanogenesis activators. In: CARBOHYDRATE RESEARCH Volume: 436 Pages: 45-49, WOS

ADCA753 VRŠANSKÁ, Mária - ŠUCHOVÁ, Katarína, Kolenová - PUCHART, Vladimir - BIELY, Peter. Mode of action of glycoside hydrolase family 5 glucuronoxylan xylanohydrolase from Erwinia chrysanthemi. In FEBS Letters, 2007, vol.274, p. 1666-1677. ISSN 0014-5793.

Citácie:

1. [1.1] Busse-Wicher, M (Busse-Wicher, Marta); Grantham, NJ (Grantham, Nicholas J.); Lyczakowski, JJ (Lyczakowski, Jan J.); Nikolovski, N (Nikolovski, Nino); Dupree, P (Dupree, Paul): Xylan decoration patterns and the plant secondary cell wall molecular architecture. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 74-78, WOS

2. [1.1] Freire, F (Freire, Filipe); Verma, A (Verma, Anil); Bule, P (Bule, Pedro); Alves, VD (Alves, Victor D.); Fontes, CMGA (Fontes, Carlos M. G. A.); Goyal, A (Goyal, Arun); Najmudin, S (Najmudin, Shabir): Conservation in the mechanism of glucuronoxylan hydrolysis revealed by the structure of glucuronoxylan xylanohydrolase (CtXyn30A) from Clostridium thermocellum. In: ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY Volume: 72 Pages: 1162-1173, WOS

3. [1.1] Labourel, A (Labourel, Aurore); Crouch, LI (Crouch, Lucy I.); Bras, JLA (Bras, Joana L.

A.); Jackson, A (Jackson, Adam); Rogowski, A (Rogowski, Artur); Gray, J (Gray, Joseph); Yadav, MP (Yadav, Madhav P.); Henrissat, B (Henrissat, Bernard); Fontes, CMGA (Fontes, Carlos M. G. A.); Gilbert, HJ (Gilbert, Harry J.); Najmudin, S (Najmudin, Shabir); Basle, A (Basle, Arnaud); Cuskin, F (Cuskin, Fiona): The Mechanism by Which Arabinoxylanases Can Recognize Highly Decorated Xylans. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 42 Pages: 22149-22159, WOS

4. [1.1] Verma, AK (Verma, Anil Kumar); Goyal, A (Goyal, Arun): A novel member of family 30 glycoside hydrolase subfamily 8 glucuronoxylan endo-beta-1,4-xylanase (CtXynGH30) from Clostridium thermocellum orchestrates catalysis on arabinose decorated xylans. In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 129 Pages: 6-14, WOS

ADCA754 VRŠANSKÁ, Mária - BIELY, Peter. The cellobiohydrolase I from Trichoderma reesei QM 9414: action on cello-oligosaccharides. In Carbohydrate Research, 1992, vol. 227, p. 19-27. (1.299 - IF1991). ISSN 0008-6215.

Citácie:

1. [1.1] An, XY (An, Xingye); Wen, YB (Wen, Yangbing); Cheng, D (Cheng, Dong); Zhu, XH (Zhu, Xuhai); Ni, YH (Ni, Yonghao): Preparation of cellulose nano-crystals through a sequential process of cellulase pretreatment and acid hydrolysis. In: CELLULOSE Volume: 23 Issue: 4 Pages: 2409-2420, WOS

2. [1.1] Hobdey, SE (Hobdey, Sarah E.); Knott, BC (Knott, Brandon C.); Momeni, MH (Momeni, Majid Haddad); Taylor, LE (Taylor, Larry E., II); Borisova, AS (Borisova, Anna S.); Podkaminer, KK (Podkaminer, Kara K.); VanderWall, TA (VanderWall, Todd A.); Himmel, ME (Himmel, Michael E.); Decker, SR (Decker, Stephen R.); Beckham, GT (Beckham, Gregg T.); Stahlberg, J (Stahlberg, Jerry): Biochemical and Structural Characterizations of Two Dictyostelium Cellobiohydrolases from the Amoebozoa Kingdom Reveal a High Level of Conservation between Distant Phylogenetic Trees of Life. In: APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 11 Pages: 3395-3409, WOS

ADCA755 WELLNER, N. - KAČURÁKOVÁ, Marta - MALOVÍKOVÁ, Anna - WILSON, R.H. - BELTON, P.S. FT-IR study of pectate and pectinate gels formed by divalent cations. In Carbohydrate Research, 1998, vol. 308, no. 1-2, p. 123. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Citácie:

1. [1.1] Revuelta, MV (Revuelta, Mariana V.); Villalba, MEC (Chacon Villalba, M. Elizabeth); Navarro, AS (Navarro, Alba S.); Guida, JA (Guida, Jorge A.); Castro, GR (Castro, Guillermo R.): Development of Crystal Violet encapsulation in pectin - Arabic gum gel microspheres. In: REACTIVE & FUNCTIONAL POLYMERS Volume: 106 Pages: 8-16, WOS

ADCA756 WOJCIECHOWICZ, M. - HEINRICHOVÁ, Kvetoslava - ZIOLECKI, A. An exopectate lyase of Butyriovibrio fibrisolvens. In Journal of General Microbiology, 1982, vol. 128, p. 2661-2665.

Citácie:

1. [1.1] Kasperowicz, A (Kasperowicz, A.); Stan-Glasek, K (Stan-Glasek, K.); Taciak, M (Taciak, M.); Michalowski, T (Michalowski, T.): The fructanolytic abilities of the rumen bacterium Butyrivibrio fibrisolvens strain 3071. In: JOURNAL OF APPLIED MICROBIOLOGY Volume: 120 Issue: 1 Pages: 29-40, WOS

ADCA757 YEN, T.Y. - MACHER, B.A. - BRYSON, S. - CHANG, X.Q. - TVAROŠKA, Igor - TSE, R. - TAKESHITA, S. - LEW, A.M. - DATTI, A. Highly conserved cysteines of mouse core 2 β1,6-N-acetylglucosaminyltransferase I form a network of disulfide bonds and include a thiol that affects enzyme activity. In Journal of Biological Chemistry, 2003, vol. 278, p. 45864-45881. (6.696 - IF2002). (2003 - Current Contents). ISSN 0021-9258.

Citácie:

1. [1.1] Kellokumpu, S (Kellokumpu, Sakari); Hassinen, A (Hassinen, Antti); Glumoff, T (Glumoff, Tuomo): Glycosyltransferase complexes in eukaryotes: long-known, prevalent but still unrecognized. In. CELLULAR AND MOLECULAR LIFE SCIENCES Volume: 73 Issue: 2 Pages: 305-325, WOS

ADCA758 ZELKO, Ivan - LUX, Alexander - STERCKEMAN, Thibault - MARTINKA, Michal - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. An easy method for cutting and fluorescent staining of thin roots. In Annals of Botany, 2012, vol. 110, p. 475-478. (4.030 - IF2011). (2012 - Current Contents). ISSN 0305-7364.

Citácie:

1. [1.1] Stavenga, DG (Stavenga, Doekele G.); van der Kooi, CJ (van der Kooi, Casper J.): Coloration of the Chilean Bellflower, Nolana paradoxa, interpreted with a scattering and absorbing layer stack model. In: PLANTA Volume: 243 Issue: 1 Pages: 171-181, WOS

ADCA759 ZEMEK, J. - MARVANOVÁ, L. - KUNIAK, Ľ. - KADLEČÍKOVÁ, B.. Hydrolytic enzymes in aquatic hyphomycetes. In Folia microbiologica, 1985, vol. 30, p. 363-372. ISSN 0015-5632.

Citácie:

1. [1.1] Barlocher, F (Baerlocher, F.): Aquatic hyphomycetes in a changing environment. In:

FUNGAL ECOLOGY Volume: 19 Pages: 14-27, WOS
2. [1.1] Barlocher, F (Baerlocher, Felix); Boddy, L (Boddy, Lynne): Aquatic fungal ecology - How does it differ from terrestrial? In: FUNGAL ECOLOGY Volume: 19 Pages: 5-13, WOS
3. [1.1] Canhoto, C (Canhoto, Cristina); Goncalves, AL (Goncalves, Ana Lucia); Barlocher, F (Baerlocher, Felix): Biology and ecological functions of aquatic hyphomycetes in a warming climate. In: FUNGAL ECOLOGY Volume: 19 Pages: 201-218, WOS
4. [1.1] Ferreira, V (Ferreira, Veronica); Graca, MAS (Graca, Manuel A. S.): Effects of whole-stream nitrogen enrichment and litter species mixing on litter decomposition and associated fungi. In: LIMNOLOGICA Volume: 58 Pages: 69-77, WOS
5. [1.1] Tsui, CKM (Tsui, Clement K. M.); Baschien, C (Baschien, Christiane); Goh, TK (Goh, Teik-Khiang): Biology and Ecology of Freshwater Fungi. In: BIOLOGY OF MICROFUNGI Book Series Title: Fungal Biology-US Pages: 285-313, WOS

ADCA760 ZEMEK, J. - VALENT, M. - PODOVÁ, M. - KOŠÍKOVÁ, Božena - JONIAK, Dušan. Antimicrobial properties of aromatic compounds of plant origin. In Folia microbiologica, 1987, vol. 32, p. 421-425. ISSN 0015-5632.

Citácie:
1. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

ADCA761 ZHAO, S. - PETRUŠ, Ladislav - SERIANNI, A.S. 1-Deoxy-D-xylulose: Synthesis based on molybdate-catalyzed rearrangement of a branched-chain aldotetrose. In Organic Letters, 2001, vol. 3, p. 3819-3822. ISSN 1523-7060.

Citácie:
1. [1.1] Gonzalez, C (Gonzalez, Cesar); Kavoosi, S (Kavoosi, Sam); Sanchez, A (Sanchez, Andersson); Wnuk, SF (Wnuk, Stanislaw F.): Reduction of sugar lactones to hemiacetals with lithium triethylborohydride. In: CARBOHYDRATE RESEARCH Volume: 432 Pages: 17-22, WOS

ADCB Vedecké práce v zahraničných karentovaných časopisoch – neimpaktovaných

ADCB01 DAMBORSKÁ, Dominika - KASÁK, Peter - TKÁČ, Ján. Glycoprofiling of cancer biomarkers: Label-free electrochemical lectin-based biosensors. In Open Chemistry, 2015, vol. 13, p. 636-655. (2015 - Current Contents, WOS). ISSN 2391-5420.

Citácie:
1. [1.1] Bhattarai, JK (Bhattarai, Jay K.); Tan, YH (Tan, Yih Horng); Pandey, B (Pandey, Binod); Fujikawa, K (Fujikawa, Kohki); Demchenko, AV (Demchenko, Alexei V.); Stine, KJ (Stine, Keith J.): Electrochemical impedance spectroscopy study of Concanavalin A binding to self-assembled monolayers of mannosides on gold wire electrodes. In: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 780 Pages: 311-320, WOS
2. [1.1] Damborsky, P (Damborsky, Pavel); Koczula, KM (Koczula, Katarzyna M.); Gallotta, A (Gallotta, Andrea); Katrlik, J (Katrlik, Jaroslav): Lectin-based lateral flow assay: proof-of-concept. In: ANALYST Volume: 141 Issue: 23 Pages: 6444-6448, WOS
3. [1.1] Jolly, P (Jolly, Pawan); Damborsky, P (Damborsky, Pavel); Madaboosi, N (Madaboosi, Narayanan); Soares, RRG (Soares, Ruben R. G.); Chu, V (Chu, Virginia); Conde, JP (Conde, Joao P.); Katrlik, J (Katrlik, Jaroslav); Estrela, P (Estrela, Pedro): DNA aptamer-based sandwich microfluidic assays for dual quantification and multi-glycan profiling of cancer biomarkers. In: BIOSENSORS & BIOELECTRONICS Volume: 79 Pages: 313-319, WOS

ADCB02 LUKAN, Norbert - RACZ, Oliver - PAULOVIČOVÁ, Ema - MOCNEJOVÁ, Iveta - PETROVIČOVÁ, Jozefína. Determination of immunological stress and oxygen free radical formation in white blood cells during allegren immunotherapy. In Medical Science Monitor, 2012, vol. 18, p. PR13-18. (2012 - Current Contents). ISSN 1234-1010.

Citácie:
1. [1.1] Bedreag, OH (Bedreag, Ovidiu Horea); Sandesc, D (Sandesc, Dorel); Chiriac, SD (Chiriac, Sorin Dan); Rogobete, AF (Rogobete, Alexandru Florin); Cradigati, AC (Cradigati, Alina Carmen); Sarandan, M (Sarandan, Mirela); Dumache, R (Dumache, Raluca); Nartita, R (Nartita, Radu); Papurica, M (Papurica, Marius): The Use of Circulating miRNAs as Biomarkers for Oxidative Stress in Critically Ill Polytrauma Patients. In: CLINICAL LABORATORY Volume: 62 Issue: 3 Pages: 263-274, WOS
2. [1.1] Papurica, M (Papurica, Marius); Rogobete, AF (Rogobete, Alexandru F.); Sandesc, D (Sandesc, Dorel); Cradigati, CA (Cradigati, Carmen A.); Sarandan, M (Sarandan, Mirela); Dumache, R (Dumache, Raluca); Horhat, FG (Horhat, Florin G.); Bratu, LM (Bratu, Lavinia M.); Nitu, R (Nitu, Razvan); Crisan, DC (Crisan, Dan C.); Horhat, DI (Horhat, Delia I.); Popovici, ES

(Popovici, Elena S.); Tanasescu, S (Tanasescu, Sonia); Daliborca, V (Daliborca, Vlad); Boruga, O (Boruga, Ovidiu); Bedreag, OH (Bedreag, Ovidiu H.) : Using the Expression of Damage-Associated Molecular Pattern (DAMP) for the Evaluation and Monitoring of the Critically Ill Polytrauma Patient. In: CLINICAL LABORATORY Volume: 62 Issue: 10 Pages: 1829-1840, WOS

***ADD Vedecké práce v domácich karentovaných časopisoch**

ADD01 STRATILOVÁ, Eva - MARKOVIČ, Oskar - DZÚROVÁ, Mária - MALOVÍKOVÁ, Anna - CAPEK, Peter - OMELKOVA, J.. The pectolytic enzymes of carrots. In Biologia, 1998, vol. 53, no. 6, p. 731-738. (0.283 - IF1997). (1998 - Current Contents). ISSN 0006-3088.

Citácie:

1. [1.1] Iqbal, A (Iqbal, Amjad); Miller, JG (Miller, Janice G.); Murray, L (Murray, Lorna); Sadler, IH (Sadler, Ian H.); Fry, SC (Fry, Stephen C.): The pectic disaccharides lepidimoic acid and beta-d-xylopyranosyl-(1 -> 3)-d-galacturonic acid occur in cress-seed exudate but lack allelochemical activity. In: ANNALS OF BOTANY Volume: 117 Issue: 4 Pages: 607-623, WOS

ADD02 TVAROSKA, Igor - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 5. Anomeric, exo-anomeric, and reverse anomeric effects in C-, N-, and S-glycosyl compounds. In Journal of physical chemistry. - Washington : American Chemical Society, -1995, 1996, vol. 100, p. 11305-11313. (3.395 - IF1995). ISSN 0022-3654.

Citácie:

1. [1.1] Langenhan, JM (Langenhan, Joseph M.); McLaughlin, RP (McLaughlin, Ryan P.); Loskot, SA (Loskot, Steven A.); Rozal, LM (Rozal, Leonardo M.); Clay, MS (Clay, Mackenzie S.); Alaimo, PJ (Alaimo, Peter J.): Using density functional theory to calculate the anomeric effect in hydroxylamine and hydrazide derivatives of tetrahydropyran. In: JOURNAL OF CARBOHYDRATE CHEMISTRY Volume: 35 Issue: 2 Pages: 106-117, WOS

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

ADDA01 BABOR, K. - KALÁČ, Vladimír - TIHLÁRIK, Karol. Periodate oxidation of saccharides. III. Comparison of the methods of determining the consumption of sodium periodate and the amount of formic acid formed. In Chemické zvesti, 1973, vol. 27, p. 676-680. ISSN 0366-6352.

Citácie:

1. [1.1] Chemin, M (Chemin, Maud); Rakotovelo, A (Rakotovelo, Alex); Ham-Pichavant, F (Ham-Pichavant, Frederique); Chollet, G (Chollet, Guillaume); Perez, DD (Perez, Denilson Da Silva); Petit-Conil, M (Petit-Conil, Michel); Cramail, H (Cramail, Henri); Grelier, S (Grelier, Stephane): Periodate oxidation of 4-O-methylglucuronoxylans: Influence of the reaction conditions. In: CARBOHYDRATE POLYMERS Volume: 142 Pages: 45-50, WOS

ADDA02 BARTEK, Peter - KOLAROVA, Nadežda - CAPEK, Peter. Isolation and characterization of glycoproteins from the yeast Cryptococcus laurentii var. laurentii. II. Extracellular glycoproteins. In Chemical Papers - Chemické zvesti, 2001, vol. 55, p. 261-268. ISSN 0366-6352.

Citácie:

1. [1.1] Pinto, M (Pinto, Mariana); Coelho, E (Coelho, Elisabete); Nunes, A (Nunes, Alexandra); Brandao, T (Brandao, Tiago); Coimbra, MA (Coimbra, Manuel A.): Valuation of brewers spent yeast polysaccharides: A structural characterization approach. In: CARBOHYDRATE POLYMERS Volume: 116 Pages: 215-222, WOS

ADDA03 BERTÓKOVÁ, Anikó, Illésová - BERTÓK, Tomáš - FILIP, Jaroslav - TKÁČ, Ján. Gluconobacter sp. cells for manufacturing of effective electrochemical biosensors and biofuel cells. In Chemical Papers, 2015, vol. 69, p. 27-41. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Gimkiewicz, C (Gimkiewicz, Carla); Hunger, S (Hunger, Steffi); Harnisch, F (Harnisch, Falk): Evaluating the Feasibility of Microbial Electrosynthesis Based on Gluconobacter oxydans. In: CHEMELECTROCHEM Volume: 3 Issue: 9 Pages: 1337-1346, WOS

2. [1.1] Kosciow, K (Kosciow, Konrad); Domin, C (Domin, Claudia); Schweiger, P (Schweiger, Paul); Deppenmeier, U (Deppenmeier, Uwe): Extracellular targeting of an active endoxylanase by a TolB negative mutant of Gluconobacter oxydans. In: JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY Volume: 43 Issue: 7 Pages: 989-999, WOS

ADDA04 BÍLIK, Vojtech - TIHLÁRIK, Karol. Reactions of saccharides catalyzed by molybdate ions. IX. Epimerization of ketohexoses. In Chemické zvesti, 1974, vol. 28, p. 106-109. ISSN 0366-6352.

Citácie:

1. [1.1] Zhang, WL (Zhang, Wenli); Yu, SH (Yu, Shuhuai); Zhang, T (Zhang, Tao); Jiang, B (Jiang, Bo); Mu, WM (Mu, Wanmeng): Recent advances in D-allulose: Physiological functionalities, applications, and biological production. In: TRENDS IN FOOD SCIENCE &

TECHNOLOGY Volume: 54 Pages: 127-137, WOS

ADDA05 BÍLIK, Vojtech - PETRUŠ, Ladislav - FARKAŠ, Vladimír. Reactions of saccharides catalyzed by molybdate ions. XV. Mechanism of epimerization reaction.

Citácie:

1. [1.1] Brand, SK (Brand, Stephen K.); Labinger, JA (Labinger, Jay A.); Davis, ME (Davis, Mark E.): Tin Silsesquioxanes as Models for the "Open" Site in Tin-Containing Zeolite Beta. In: CHEMCATCHEM Volume: 8 Issue: 1 Pages: 121-124, WOS

2. [1.1] Lari, GM (Lari, Giacomo M.); Groninger, OG (Groninger, Olivier G.); Li, Q (Li, Qiang); Mondelli, C (Mondelli, Cecilia); Lopez, N (Lopez, Nuria); Perez-Ramirez, J (Perez-Ramirez, Javier): Catalyst and Process Design for the Continuous Manufacture of Rare Sugar Alcohols by Epimerization-Hydrogenation of Aldoses. In: CHEMSUSCHEM Volume: 9 Issue: 24 Pages: 3407-3418, WOS

ADDA06 BÍLIK, Vojtech - ALFOLDI, Juraj - SANDTNEROVÁ, Ružena. Reactions of saccharides catalyzed by molybdate ions. XXXI. Oxidative degradation of 4-nitrophenylhydrazones of some 4-O-hexosylhexoses to 3-O-hexosylpentoses. In Chemické zvesti, 1981, vol. 35, p. 829-833. ISSN 0366-6352.

Citácie:

1. [1.1] Spasova, B (Spasova, Berta); Kuesters, C (Kuesters, Christof); Stengel, B (Stengel, Bruno); Brandner, JJ (Brandner, Juergen J.): Investigation of process conditions for catalytic conversion of carbohydrates by epimerization using a microstructured reactor. In: CHEMICAL ENGINEERING AND PROCESSING Volume: 105 Pages: 103-109, WOS

ADDA07 BUČKO, Marek - MISLOVIČOVÁ, Danica - NAHÁLKA, Jozef - VIKARTOVSKÁ, Alica, Welwardová - ŠEFČOVIČOVÁ, Jana, Blahutová - KATRLÍK, Jaroslav - TKÁČ, Ján - GEMEINER, Peter - LACÍK, Igor - ŠTEFUCA, Vladimír - POLAKOVIČ, Milan - ROSENBERG, Michal - REBROŠ, Martin - ŠMOGROVIČOVÁ, Daniela - ŠVITEL, Juraj. Immobilization in biotechnology and biorecognition: from macro- to nanoscale systems. In Chemical papers, 2012, vol. 66, no. 11, p. 983 - 998. (1.096 - IF2011). (2012 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] AXELROD, T. - ELTZOV, E. - MARKS, R.S. Bioluminescent bioreporter pad biosensor for monitoring water toxicity. In TALANTA. ISSN 0039-9140, MAR 1 2016, vol. 149, p. 290-297., WOS

2. [1.1] CARVALHO, F. - PARADISO, P. - SARAMAGO, B. - FERRARIA, A.M. - BOTELHO DO REGO, A.M. - FERNANDES, P. An integrated approach for the detailed characterization of an immobilized enzyme. In JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC. ISSN 1381-1177, MAR 2016, vol. 125, p. 64-74., WOS

3. [1.1] FREIRE, D.M.G. - DA SILVA, A.A.T. - MANOEL, E.D. - ALMEIDA, R.V. - SIMAS, A.B.C. Lipases in Enantioselective Syntheses: Evolution of Technology and Recent Applications. In WHITE BIOTECHNOLOGY FOR SUSTAINABLE CHEMISTRY. ISSN 1757-7039, 2016, no. 45, p. 207-244., WOS

4. [1.1] LABUS, K. - DROZD, A. - TRUSEK-HOLOWNIA, A. Preparation and characterisation of gelatine hydrogels predisposed to use as matrices for effective immobilisation of biocatalysts. In CHEMICAL PAPERS. ISSN 0366-6352, MAY 2016, vol. 70, no. 5, p. 523-530., WOS

ADDA08 CAPEK, Ignác - JANÍČKOVÁ, Silvia - CAPEK, Peter - KOVÁČIK, J. - KOŠTIAL, P. Interaction studies of nonionic emulsifiers and carboxymethylstarch and polymerization of vinyl acetate. In Chemical Papers, 2005, vol. 59, no. 1, p. 48-54. ISSN 0366-6352.

Citácie:

1. [1.2] KUNDU, K.- DAS, A.- BARDHAN, S.- CHAKRABORTY, G.- GHOSH, D.- KAR, B.- SAHA, S.K.- SENAPATI, S.- MITRA, R.K.- PAUL, B.K. The mixing behaviour of anionic and nonionic surfactant blends in aqueous environment correlates in fatty acid ester medium. (2016) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 504, p. 331-342. DOI: 10.1016/j.colsurfa.2016.05.078, Scopus

ADDA09 DAMBORSKÝ, Pavel - MADABOOSI, Narayanan - CHU, Virginia - CONDE, João P. - KATRLÍK, Jaroslav. Surface plasmon resonance application in prostate cancer biomarker research. In Chemical Papers, 2015, vol. 69, p. 143-149. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Bueno, L., de Araujo, W. R., & Paixão, T. R. L. C. (2016). Point of care (POC) medical biosensors for cancer detection. In Medical biosensors for point of care (POC) applications (Elsevier, chapter 8, pp. 183-201), WOS

ADDA10 DOLEJŠ, L. - HANUŠ, V. - VOTICKÝ, Zdeno - TOMKO, J. Alkaloids from Buxus sempervirens L. III. Mass spectral fragmentation. In Collection of Czechoslovak Chemical Communications, 1965, vol. 30, p. 2869-2874. ISSN 0010-0765.

Citácie:

1. [1.1] Eshonov, MA (Eshonov, M. A.); Turgunov, KK (Turgunov, K. K.); Tashkhodzhaev, B

(Tashkhodzhaev, B.); Shakirov, R (Shakirov, R.): Alkaloids of Buxus sempervirens, Crystal and Molecular Structure of Cyclobuxine-D and Imperialine. In: CHEMISTRY OF NATURAL COMPOUNDS Volume: 49 Issue: 6 Pages: 1179-1182, WOS
2. [1.1] Zhang, L (Zhang, Li); Lu, Y (Lu, Yang); Guo, YH (Guo, Yonghui); Xu, W (Xu, Wei); Jin, GM (Jin, Guimin); Du, GH (Du, Guanhua): Value Assignment Study on a New Certified Reference Material of Cyclovirobuxine D by Differential Scanning Calorimetry Method. In: CURRENT ANALYTICAL CHEMISTRY Volume: 12 Issue: 6 Pages: 568-572, WOS

ADDA11 ĎURIŠ, M. - KOŠÍKOVÁ, Božena - DEMIANOVÁ, V. Preparation of the surface active lignin derivatives. In Drevársky výskum, 1997, vol. 42, p. 25-31.

Citácie:
1. [1.1] Li, S (Li, Shuai); Xiang, WC (Xiang, Wenchao); Jarvinen, M (Jarvinen, Marjo); Lappalainen, T (Lappalainen, Timo); Salminen, K (Salminen, Kristian); Rojas, OJ (Rojas, Orlando J.): Interfacial Stabilization of Fiber-Laden Foams with Carboxymethylated Lignin toward Strong Nonwoven Networks. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 30 Pages: 19827-19835, WOS

ADDA12 FARKAŠ, Pavol - BYSTRICKÝ, Slavomír. Chemical conjugation of biomacromolecules: A mini-review. In Chemical papers, 2010, vol. 64, p. 683-695. (0.791 - IF2009). (2010 - Current Contents). ISSN 0366-6352.

Citácie:
1. [1.1] Maulidiyah (Maulidiyah); Tribawono, DS (Tribawono, Diono Saputro); Wibowo, D (Wibowo, Dwiprayogo); Nurdin, M (Nurdin, Muhammad): Electrochemical Profile Degradation of Amino Acid by Flow System using TiO2/Ti Nanotubes Electrode. In: ANALYTICAL & BIOANALYTICAL ELECTROCHEMISTRY Volume: 8 Issue: 6 Pages: 761-776, WOS
2. [1.1] Pfister, D (Pfister, David); Ulmer, N (Ulmer, Nicole); Klaue, A (Klaue, Antoine); Ingold, O (Ingold, Oliver); Morbidelli, M (Morbidelli, Massimo): Modeling the Kinetics of Protein Conjugation Reactions. In. CHEMIE INGENIEUR TECHNIK Volume: 88 Issue: 11 Pages: 1598-1608, WOS

ADDA13 FARKAŠ, Vladimír - KOVAŘÍK, J. - KOŠINOVÁ, A. - BAUER, Štefan. An autoradiographic study of mannan incorporation into the growing cells of Saccharomyces cerevisiae. In Journal of Bacteriology, 1974, vol. 117, p. 265-269. ISSN 0021-9193.

Citácie:
1. [1.1] Puxbaum, V (Puxbaum, Verena); Gasser, B (Gasser, Brigitte); Mattanovich, D (Mattanovich, Diethard): The bud tip is the cellular hot spot of protein secretion in yeasts. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 18 Pages: 8159-8168, WOS

ADDA14 FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Graphene as signal amplifier for preparation of ultrasensitive electrochemical biosensors. In Chemical Papers, 2015, vol. 69, p. 112-133. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:
1. [1.1] Tegou, E (Tegou, Evangelia); Magana, M (Magana, Maria); Katsogridaki, AE (Katsogridaki, Alexandra Eleni); Ioannidis, A (Ioannidis, Anastasios); Raptis, V (Raptis, Vasilios); Jordan, S (Jordan, Sheldon); Chatzipanagiotou, S (Chatzipanagiotou, Stylianos); Chatzandroulis, S (Chatzandroulis, Stavros); Ornelas, C (Ornelas, Catia); Tegos, GP (Tegos, George P.): Terms of endearment: Bacteria meet graphene nanosurfaces. In: : BIOMATERIALS Volume: 89 Pages: 38-55, WOS

ADDA15 FILIPPOV, M.P. - KOHN, Rudolf. Determination of composition of alginates by infrared spectroscopic method. In Chemické zvesti, 1974, vol. 28, p. 817-819. ISSN 0366-6352.

Citácie:
1. [1.1] Murdzheva, D (Murdzheva, Dilyana); Vasileva, I (Vasileva, Ivelina); Petkova, N (Petkova, Nadezhda); Ivanov, I (Ivanov, Ivan); Todorova, M (Todorova, Mina); Denev, P (Denev, Panteley): NEW APPROACH FOR SYNTHESIS OF AMIDATED ALGINIC ACIDS. In: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON POLYSACCHARIDES-GLYCOSCIENCE, 2016 Book Series Title: International Conference on Polysaccharides-Glycoscience Pages: 208-212, WOS

ADDA16 GEMEINER, Peter - BENEŠ, M.J. - ŠTAMBERG, J. Bead cellulose and its use in biochemistry and biotechnology. In Chemical Papers - Chemické zvesti, 1989, vol. 43, p. 805-848. ISSN 0366-6352.

Citácie:
1. [1.1] Lindh, J (Lindh, Jonas); Ruan, CQ (Ruan, Changqing); Stromme, M (Stromme, Maria); Mihranyan, A (Mihranyan, Albert): Preparation of Porous Cellulose Beads via Introduction of Diamine Spacers. In: LANGMUIR Volume: 32 Issue: 22 Pages: 5600-5607, WOS

ADDA17 GOMORY, A. - JEŽO, Ivan. A contribution to the synthesis of 2,4-diamino-2-methylbutane. In Chemické zvesti, 1953, vol. 7, p. 41-43. ISSN 0366-6352.

Citácie:

1. [1.1] Dureuil, C (Dureuil, Christine); Fassy, F (Fassy, Florence); Abecassis, PY (Abecassis, Pierre-Yves); Mathieu, M (Mathieu, Magali); Bertrand, T (Bertrand, Thomas); Benard, T (Benard, Tsiala); Barriere, C (Barriere, Cedric); El Batti, S (El Batti, Samira); Letallec, JP (Letallec, Jean-Philippe); Sonnefraud, V (Sonnefraud, Veronique); Brollo, M (Brollo, Maurice); Delbarre, L (Delbarre, Laurence); Loyau, V (Loyau, Veronique); Pilorge, F (Pilorge, Fabienne); Bertin, L (Bertin, Luc); Richepin, P (Richepin, Patrick); Arigon, J (Arigon, Jerome); Labrosse, JR (Labrosse, Jean-Robert); Clement, J (Clement, Jacques); Durand, F (Durand, Florence); Combet, R (Combet, Romain); Perraut, P (Perraut, Pierre); Leroy, V (Leroy, Vincent); Gay, F (Gay, Frederic); Lefrancois, D (Lefrancois, Dominique); Bretin, F (Bretin, Francois): Discovery of (2S)-8[(3R)-3-Methylmorpholin-4-yl]-1-(3-methyl-2-oxobutyl)-2-(trifluoromethyl)-3,4-dihydro-2H-pyrimido[1,2-a]pyrimidin-6-one: A Novel Potent and Selective Inhibitor., WOS

ADDA18 HRABÁROVÁ, Eva - JURÁNEK, Ivo - ŠOLTÉS, Ladislav. Pro-oxidative effect of peroxynitrite regarding biological systems: a special focus on high-molar-mass hyaluronan degradation. In General Physiology and Biophysics, 2011, vol. 30, p. 223-238. (1.146 - IF2010). (2011 - Current Contents). ISSN 0231-5882.(ITMS 26240220040 : Hodnotenie prírodných látok a ich výber pre prevenciu a liečbu civilizačných ochorení. VEGA č. 2/0083/09 : Energetický metabolismus mozgu sledovaný pomocou magnetickej rezonancie ako podklad pre štúdium mechanizmov hypoxicko-ischemického poškodenia mozgu novorodenca. VEGA č. 2/0011/11 : Štúdium pôsobenia reaktívnych foriem kyslíka a dusíka na vysokomolekulový hyalurónan, synoviocyty a chondrocyty. VEGA č. 2/0056/10 : Štúdium využitia patogén-hostiteľ glykoproteínových interakcií v boji so samotným patogénom. VEGA č. 2/0115/09 : Degradácia polyuretánov v muzeálnych artefaktoch – hodnotenie pomocou chemiluminiscencie a termoanalytických metód a predikcia zvyškovej životnosti).

Citácie:

1. [1.1] BOGDANOV, A.V. - KOSTENKO, V.A. Effects of peroxynitrite scavengers on oxidative metabolism in periodontal tissues of rats under excessive combined sodium nitrate and fluoride intake. In WORLD OF MEDICINE AND BIOLOGY. ISSN 2079-8334, 2016, no. 3, p. 95-98., WOS

2. [1.1] KONG, X.Q. - CHENA, L. - YEA, P. - WANG, Z.M. - ZHANG, J.J. - YE, F. - CHEN, S.L. The role of HYAL2 in LSS-induced glycocalyx impairment and the PKA-mediated decrease in eNOS-Ser-633 phosphorylation and nitric oxide production. In MOLECULAR BIOLOGY OF THE CELL. ISSN 1059-1524, 2016, vol. 27, no. 25, p. 3972-3979., WOS

3. [1.1] LALL, R.K. - SYED, D.N. - KHAN, M.I. - ADHAMI, V.M. - GONG, Y.S. - LUCEY, J.A. - MUKHTAR, H. Dietary flavonoid fisetin increases abundance of high-molecular-mass hyaluronan conferring resistance to prostate oncogenesis. In CARCINOGENESIS. ISSN 0143-3334, 2016, vol. 37, no. 9, p. 918-928, WOS

4. [1.1] MAJERCZAK, J. - DUDA, K. - CHLOPICKI, S. - BARTOSZ, G. - ZAKRZEWSKA, A. - BALCERCZYK, A. - SMOLEŃSKI, R. T. - ZOLADZ, J. A. Endothelial glycocalyx integrity is preserved in young, healthy men during a single bout of strenuous physical exercise. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2016, vol. 65, no. 2, p. 281-291., WOS

5. [1.1] MENDE, M. - BEDNAREK, C. - WAWRYSZYN, M. - SAUTER, P. - BISKUP, M.B. - SCHEPERS, U. - BRASE, S. Chemical Synthesis of Glycosaminoglycans. In CHEMICAL REVIEWS. ISSN 0009-2665, JUL 27 2016, vol. 116, no. 14, p. 8193-8255., WOS

6. [1.1] PIRES, A.S. - MARQUES, C.R. - ENCARNACAO, J.C. - ABRANTES, A.M. - MAMEDE, A.C. - LARANJO, M. - GONCALVES, A.C. - SARMENTO-RIBEIRO, A.B. - BOTELHO, M.F. Ascorbic acid and colon cancer: an oxidative stimulus to cell death depending on cell profile. In EUROPEAN JOURNAL OF CELL BIOLOGY. ISSN 0171-9335, 2016, vol. 95, no. 6-7, p. 208-218., WOS

7. [1.1] VALLS, N. - GORMAZ, J.G. - AGUAYO, R. - GONZALEZ, J. - BRITO, R. - HASSON, D. - LIBUY, M. - RAMOS, C. - CARRASCO, R. - PRIETO, J.C. - DUSSAILLANT, G. - PUENTES, A. - NORIEGA, V. - RODRIGO, R. Amelioration of persistent left ventricular function impairment through increased plasma ascorbate levels following myocardial infarction. In REDOX REPORT. ISSN 1351-0002, 2016, vol. 21, no. 2, p. 75-83., WOS

ADDA19 HROMÁDKOVÁ, Zdenka - HIRSCH, Ján - EBRINGEROVÁ, Anna. Chemical evaluation of Fallopia species leaves and antioxidant properties of their non-cellulosic polysaccharides. In Chemical papers, 2010, vol. 64, p. 663-672. (0.791 - IF2009). (2010 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Bekesi-Kallenberger, H (Bekesi-Kallenberger, Helena); Horvath, G (Horvath, Gyorgyi); Bencsik, T (Bencsik, Timea); Balazs, VL (Balazs, Viktoria Lilla); Filep, R (Filep, Rita); Papp, N (Papp, Nora): Comparative Histological and Phytochemical Study of Fallopia species. In: NATURAL PRODUCT COMMUNICATIONS Volume: 11 Issue: 2 Pages: 251-254, WOS

2. [1.2] Kallenberger, H. B., Horváth, G., Balogh, L., Balázs, V. L., & Papp, N. (2016). Botanical, phytochemical and pharmaceutical characters of fallopia species adventive in hungary. [Adventív Fallopia taxonok botanikai, fi tokémiai és gyógyászati jellem zése] Botanikai Kozlemenyek,

103(1), 119-134, SCOPUS

ADDA20 JANDA, L. - VOTICKÝ, Zdeno. Semisynthetic cefalosporins. I. An improved synthesis of 5-aryl-2-furancarboxylic acids. In Chemické zvesti, 1984, vol. 38, p. 507-513. ISSN 0366-6352.

Citácie:

1. [1.1] Hassan, AS (Hassan, A. S.); Osman, SA (Osman, Souad A.); Hafez, TS (Hafez, Taghrid S.): 5-Phenyl-2-furaldehyde: Synthesis, Reactions and Biological Activities. In: EGYPTIAN JOURNAL OF CHEMISTRY Volume: 58 Issue: 2 Pages: 113-139, WOS

2. [1.1] Lee, HJ (Lee, Hee Ju); Lee, JI (Lee, Jae In): An Efficient Synthesis of N,N-Dialkyl-5-(chlorophenyl)-2-furancarbothioamides from 2-Furoic Acid. In: JOURNAL OF THE KOREAN CHEMICAL SOCIETY-DAEHAN HWAHAK HOE JEE Volume: 60 Issue: 6 Pages: 457-461, WOS

ADDA21 JEŽO, Ivan - LUŽÁK, I.. Aminolysis of sucrose. IV. Reaction of sucrose with aqueous solution of ethylenediamine. In Chemické zvesti, 1964, vol. 18, p. 186-198. ISSN 0366-6352.

Citácie:

1. [1.1] Eften'eva, RI (Eften'eva, Renata I.); Kushnir, OV (Kushnir, Oleg V.); Lyavinets, OS (Lyavinets, Oleksandr S.); Mangalagiu, II (Mangalagiu, Ionel I.); Vovk, MV (Vovk, Myhailo V.): Synthesis of polyfunctionalized pyrido[1,2-a]pyrazines and pyrazino[1,2-a]quinolines via one-pot multicomponent reactions. In: MONATSHEFTE FUR CHEMIE Volume: 147 Issue: 12 Pages: 2127-2133, WOS

ADDA22 KARDOŠOVÁ, Alžbeta - ROSÍK, Jozef. 13C NMR spectra of 2-O-β-D-glucopyranosylurono-D-mannopyranose and 6-O-β-D-glucopyranosylurono-D-galactopyranose. In Chemical Papers - Chemické zvesti, 1986, vol. 40, p. 89-94. ISSN 0366-6352.

Citácie:

1. [1.1] de Sousa, M (de Sousa, Marcelo); Martinez, DST (Teodoro Martinez, Diego Stefani); Alves, OL (Alves, Oswaldo Luiz): Alternative mannosylation method for nanomaterials: application to oxidized debris-free multiwalled carbon nanotubes. In: JOURNAL OF NANOPARTICLE RESEARCH Volume: 18 Issue: 6 Article Number: 143, WOS

ADDA23 KÓŇA, Juraj - TVAROŠKA, Igor. Comparative DFT study on the alfa-glycosidic bond in reactive species of galactosyl diphosphates. In Chemical papers, 2009, vol. 63, no. 5, p.598-607. (0.758 - IF2008). (2009 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Mendoza, F (Mendoza, Fernanda); Gomez, H (Gomez, Hansel); Lluch, JM (Lluch, Jose M.); Masgrau, L (Masgrau, Laura): alpha 1,4-N-Acetylhexosaminyltransferase EXTL2: The Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. In: ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2577-2589, WOS

ADDA24 KOŠTÁLOVÁ, Zuzana - HROMADKOVÁ, Zdena - EBRINGEROVÁ, Anna. Chemical evaluation of seeded fruit biomass of oil pumpkin (Curcurbita pepo L. var. Styriaca). Anna Ebringerová. In Chemical papers, 2009, vol. 63, no. 4, pp.406-413. (0.758 - IF2008). (2009 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Shafeek, M. R., Helmy, Y. I., & Ahmed, A. A. (2016). Productivity of squash plant to mineral and bio-nitrogen fertilizers on plant growth, total fruit yield and leaves mineral content on a sandy soil. International Journal of ChemTech Research, 9(3), 66-75., SCOPUS

2. [3.1] Likaa Hamied Mahdi Al Mossawi; Nada Zaki Mahdi; Luma Abdal Hady Zwain. (2016). Higher production of lipase enzyme from different microorganisms grown in local natural culture media. International Journal of Advanced Research in Biological Sciences, 3(5), 232-239

ADDA25 KOVÁČ, Pavol - ALFOLDI, Juraj. Alternative syntheses of methylated sugars. XVIII. Synthesis of methyl 2,4-di-O-acetyl-ß-D-xylopyranoside. In Chemické zvesti, 1979, vol. 33, p. 785-791. ISSN 0366-6352.

Citácie:

1. [1.1] Belakhov, VV (Belakhov, V. V.); Garabadzhiu, AV (Garabadzhiu, A. V.): The Application of Aryl Substituted Derivatives of Xylose as Environmentally Friendly Multipurpose Pesticides. In: RUSSIAN JOURNAL OF GENERAL CHEMISTRY Volume: 86 Issue: 13 Pages: 3002-3007, WOS

ADDA26 KOVÁČ, Pavol - ALFOLDI, Juraj. Alternative synthesis of methylated sugars. XVI. Synthesis of methyl 2,3-di-O-acetyl-ß-D-xylopyranoside. In Chemické zvesti, 1978, vol. 32, p. 519-523. ISSN 0366-6352.

Citácie:

1. [1.1] Belakhov, VV (Belakhov, V. V.); Garabadzhiu, AV (Garabadzhiu, A. V.): The Application of Aryl Substituted Derivatives of Xylose as Environmentally Friendly Multipurpose Pesticides. In: RUSSIAN JOURNAL OF GENERAL CHEMISTRY Volume: 86 Issue: 13 Pages: 3002-3007, WOS

ADDA27 KOZMON, Stanislav - TVAROŠKA, Igor. Molecular dynamic studies of amyloid-beta interactions

with curcumin and Cu2+ ions. In Chemical Papers, 2015, vol. 69, p. 1262-1276. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Huy, PDQ (Pham Dinh Quoc Huy); Vuong, QV (Quan Van Vuong); La Penna, G (La Penna, Giovanni); Faller, P (Faller, Peter); Li, MS (Li, Mai Suan): Impact of Cu(II) Binding on Structures and Dynamics of A beta(42) Monomer and Dimer: Molecular Dynamics Study. In: ACS CHEMICAL NEUROSCIENCE Volume: 7 Issue: 10 Pages: 1348-1363, WOS

ADDA28 KREMNICKÝ, Ľubomir - SLÁVIKOVÁ, Elena - MISLOVIČOVÁ, Danica - BIELY, Peter. Production of extracellular beta - mannanases by yeasts and yeast-like microorganisms. In Folia microbiologica, 1996, vol. 41, p. 43-47. (0.147 - IF1995). (1996 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] You, J (You, Jia); Liu, JF (Liu, Jin-Feng); Yang, SZ (Yang, Shi-Zhong); Mu, BZ (Mu, Bo-Zhong): Low-temperature-active and salt-tolerant beta-mannanase from a newly isolated Enterobacter sp strain N18. In: JOURNAL OF BIOSCIENCE AND BIOENGINEERING Volume: 121 Issue: 2 Pages: 140-146, WOS

ADDA29 KRUTOŠÍKOVÁ, A. - DANDÁROVÁ, M. - ALFOLDI, Juraj. Substituted vinyl azides in the synthesis of condensed nitrogen heterocycles. In Chemical Papers - Chemické zvesti, 1994, vol. 48, p. 268-273. ISSN 0366-6352.

Citácie:

1. [1.1] Hassan, AS (Hassan, A. S.); Osman, SA (Osman, Souad A.); Hafez, TS (Hafez, Taghrid S.): 5-Phenyl-2-furaldehyde: Synthesis, Reactions and Biological Activities. In: EGYPTIAN JOURNAL OF CHEMISTRY Volume: 58 Issue: 2 Pages: 113-139, WOS

ADDA30 KRUTOŠÍKOVÁ, A. - KOVÁČ, J. - FRIMM, R. - STICZAY, T.. Furan derivatives. XXVII. Synthesis and absorption spectra of methyl-2-cyano-3-[5-(X-phenyl)-2-furyl]acrylates. In Chemické zvesti, 1971, vol. 25, p. 142-146. ISSN 0366-6352.

Citácie:

1. [1.1] Hassan, AS (Hassan, A. S.); Osman, SA (Osman, Souad A.); Hafez, TS (Hafez, Taghrid S.): 5-Phenyl-2-furaldehyde: Synthesis, Reactions and Biological Activities. In: EGYPTIAN JOURNAL OF CHEMISTRY Volume: 58 Issue: 2 Pages: 113-139, WOS

ADDA31 KUKA, P. - BUCOVÁ, M. - PENZ, P. - PAULOVIČOVÁ, Ema - BLAŽÍČEK, P. - ATALAY, M. - LIETAVA, J. HSP60, oxidative stress parameters and cardiometabolic risk markers in hypertensive and normotensive Slovak females. In Bratislava Medical Papers : international journal for biomedical sciences and clinical medicine, 2010, roč.111, s. 527-534. (0.317 - IF2009). (2010 - Current Contents). ISSN 0006-9248.

Citácie:

1. [1.1] Karmakar, S (Karmakar, Shilpita); Banerjee, D (Banerjee, Debasis); Chakrabarti, A (Chakrabarti, Abhijit): Platelet proteomics in thalassemia: Factors responsible for hypercoagulation. In: PROTEOMICS CLINICAL APPLICATIONS Volume: 10 Issue: 3 Pages: 239-247, WOS

ADDA32 LAZAROVÁ, Monika - LÁBAJ, Juraj - KOGAN, Grigorij - SLAMEŇOVÁ, Darina. Carboxymethyl chitin-glucan enriched diet exhibits protective effects against oxidative DNA damage induced in freshly isolated rat cells. In Neoplasma. - Bratislava : Ústav experimentálnej onkológie SAV, 1954-, 2006, vol. 53, no. 5, p. 434-439. (0.731 - IF2005). (2006 - Current Contents). ISSN 0028-2685.

Citácie:

1. [1.1] Urt, A (Urt-Filho, Antonio); Oliveira, RJ (Oliveira, Rodrigo Juliano); Hermeto, LC (Hermeto, Larissa Correa); Pesarini, JR (Pesarini, Joao Renato); de David, N (de David, Natan); Cantero, WD (Cantero, Wilson de Barros); Falcao, G (Falcao, Gustavo); Marks, G (Marks, Guido); Antoniolli-Silva, ACMB (Milan Brochado Antoniolli-Silva, Andrcia Conceicao): Mesenchymal stem cell therapy promotes the improvement and recovery of renal function in a preclinical model. In: GENETICS AND MOLECULAR BIOLOGY Volume: 39 Issue: 2 Pages: 290-299, WOS

ADDA33 LICHNEROVÁ, A. - HEINRICH, J. - EBRINGEROVÁ, Anna. Xylans: Perspective pharmaceutical auxiliary materials. In Acta Facultatis Pharmaceuticae Universitatis Comenianae, 1991, vol. 5, p. 5-9. ISSN 0301-2298.

Citácie:

1. [1.1] Cai, WR (Cai, Weirong); Chen, Q (Chen, Qiao); Xie, LL (Xie, Liangliang); Yang, L (Yang, Lei); Zhang, RF (Zhang, Rufei): Extraction, sulfonation and anticoagulant activity of xylan from corncob. In: EUROPEAN FOOD RESEARCH AND TECHNOLOGY Volume: 240 Issue: 5 Pages: 969-975, WOS

ADDA34 MARKOVIČ, Oskar - REXOVÁ, Ľubomíra. Investigation of components in various kinds of bee venom. In Chemické zvesti, 1963, vol. 17, p. 676-684. ISSN 0366-6352.

Citácie:

1. [1.1] Mohanty, I (Mohanty, I.); Arunvikram, K (Arunvikram, K.); Behera, D (Behera, D.); Milton, AAP (Milton, A. Arun Prince); Elaiyaraja, G (Elaiyaraja, G.); Rajesh, G (Rajesh, G.); Dhama, K (Dhama, K.): Immunomodulatory and Therapeutic Potential of Zootoxins (Venom and Toxins) on the Way Towards Designing and Developing Novel Drugs/Medicines: An Overview. In: INTERNATIONAL JOURNAL OF PHARMACOLOGY Volume: 12 Issue: 2 Pages: 126-135, WOS

ADDA35 MASÁROVÁ, Jana - MISLOVIČOVÁ, Danica - GEMEINER, Peter. Optimization of dextran and mannan dialdehydes preparation and examination of their biospecific interaction with Concanavalin A. In Chemical Papers - Chemické zvesti, 2001, vol. 55, p. 130-135. ISSN 0366-6352.

Citácie:

1. [1.1] Kholiya, F (Kholiya, Faisal); Chaudhary, JP (Chaudhary, Jai Prakash); Vadodariya, N (Vadodariya, Nilesh); Meena, R (Meena, Ramavatar): Synthesis of bio-based aldehyde from seaweed polysaccharide and its interaction with bovine serum albumin. In: CARBOHYDRATE POLYMERS Volume: 150 Pages: 278-285, WOS

ADDA36 MAZÍKOVÁ, Viera - SROKOVA, I. - EBRINGEROVÁ, Anna. Solvent-free synthesis and properties of carboxymethyl starch fatty acid ester derivatives. Anna Ebringerová. In Chemical papers, 2009, vol. 63, no. 1, p.71-76. (0.758 - IF2008). (2009 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Kittipongpatana, O. S., & Kittipongpatana, N. (2016). Physico-mechanical and film-forming properties of carboxymethyl corn starch butyrate. International Journal of Pharmacy and Pharmaceutical Sciences, 8(1), 302-306, SCOPUS

2. [1.1] Ye, L (Ye, Lei); Zhan, YB (Zhan, Yabin); Yang, BG (Yang, Boguang); Zhou, X (Zhou, Xin); Li, JJ (Li, Junjie); Qin, ZH (Qin, Zhihui); Dong, DY (Dong, Dianyu); Cui, YL (Cui, Yuanlu); Yao, FL (Yao, Fanglian): Zwitterionic-Modified Starch-Based Stealth Micelles for Prolonging Circulation Time and Reducing Macrophage Response. In: ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 7 Pages: 4385-4398, WOS

ADDA37 MIKULÁŠOVÁ, M. - KOŠÍKOVÁ, Božena. Mutagenic/antimutagenic effects of different lignin preparations on bacterial cells. In Drevársky výskum, 2002, vol. 47, p. 25-31.

Citácie:

1. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

ADDA38 MISLOVIČOVÁ, Danica - GEMEINER, Peter - KOZAROVA, Anna - KOŽÁR, Tibor. Lectinomics I. Relevance of exogenous plant lectins in Biomedical diagnostics. In Biologia : journal of the Slovak Academy of Science, 2009, vol. 64, no. 1, p. 1-19. (0.406 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0006-3088.

Citácie:

1. [1.1] Nascimento, KS (Nascimento, Kyria Santiago); do Nascimento, FLF (Faustino do Nascimento, Francisco Lucas); Silva, MTL (Lima Silva, Mayara Torquato); Nobre, CB (Nobre, Camila Bezerra); Moreira, CG (Moreira, Cleane Gomes); Brizeno, LAC (Cavalcante Brizeno, Luiz Andre); da Ponte, EL (da Ponte, Edson Lopes); Assreuy, AMS (Sampaio Assreuy, Ana Maria); Cavada, BS (Cavada, Benildo Sousa): Purification of a thermostable antinociceptive lectin isolated from Andira anthelmia. In: JOURNAL OF MOLECULAR RECOGNITION Volume: 29 Issue: 6 Pages: 248-252, WOS

2. [1.1] Park, H (Park, H.); Walta, S (Walta, S.); Rosencrantz, RR (Rosencrantz, R. R.); Korner, A (Koerner, A.); Schulte, C (Schulte, C.); Elling, L (Elling, L.); Richtering, W (Richtering, W.); Boker, A (Boeker, A.): Micelles from self-assembled double-hydrophilic PHEMA-glycopolymer-diblock copolymers as multivalent scaffolds for lectin binding. In: POLYMER CHEMISTRY Volume: 7 Issue: 4 Pages: 878-886, WOS

3. [1.2] Belicky, S., & Tkac, J. (2016). Glycoprofiling: A key to early prostate cancer diagnostics. Paper presented at the Proceedings of the International Conference on Sensing Technology, ICST, 2016-March, Article number 7438453, pp. 520-524, SCOPUS

ADDA39 NEMČOVIČ, Marek - FARKAŠ, Vladimír. Stimulation of conidiation by derivatives of cAMP in Trichoderma viride. In Folia microbiologica, 1998, vol. 43, p. 399-402. (0.312 - IF1997). (1998 - Current Contents). ISSN 0015-5632.

Citácie:

1. [1.1] Cetz-Chel, JE (Cetz-Chel, Jose E.); Balcazar-Lopez, E (Balcazar-Lopez, Edgar); Esquivel-Naranjo, EU (Esquivel-Naranjo, Edgardo U.); Herrera-Estrella, A (Herrera-Estrella, Alfredo): The Trichoderma atroviride putative transcription factor Blu7 controls light responsiveness and tolerance. In: BMC GENOMICS Volume: 17 Article Number: 327, WOS

2. [1.2] Nakkeeran, S., Renukadevi, P., & Aiyanathan, K. E. A. (2016). Exploring the potential of

trichoderma for the management of seed and soil-borne diseases of crops. In Integrated pest management of tropical vegetable crops (Springer, chapter 3, pp. 77-130), SCOPUS

ADDA40 PENZ, P. - BUCOVÁ, M. - LIETAVA, J. - BLAŽÍČEK, P. - PAULOVIČOVÁ, Ema - MRÁZEK, F. - BERNADIČ, M. - BUCKINGHAM, T.A. - PETREK, M. MCP-1 - 2518 A/G gene polymorphism is associated with blood pressure in ischemic heart disease asymptomatic subjects. In Bratislava Medical Papers : international journal for biomedical sciences and clinical medicine, 2010, roč.111, s. 420-425. (0.317 - IF2009). (2010 - Current Contents). ISSN 0006-9248.

Citácie:

1. [1.1] Qidwai, T (Qidwai, Tabish): Chemokine genetic polymorphism in human health and disease. In: IMMUNOLOGY LETTERS Volume: 176 Pages: 128-138, WOS

ADDA41 REXOVA-BENKOVA, L.. Separation of oligogalacturonic acids by dextran gel chromatography. In Chemické zvesti, 1970, vol. 24, p. 59-62. ISSN 0366-6352.

Citácie:

1. [1.1] Rafique, N (Rafique, Nagina); Tabassum, R (Tabassum, Romana); Awan, MS (Awan, Muhammad Siddique); Orts, W (Orts, William); Wong, DWS (Wong, Dominic W. S.): Cloning and Expression of Pectobacterium carotovorum Endo-polygalacturonase Gene in Pichia pastoris for Production of Oligogalacturonates. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5204-5214, WOS

ADDA42 ROSIK, J. - KUBALA, J. - STANOVÁ, Mária - LAČOK, Pavel. Structural properties of apricot gum polysaccharides. IV. Observation on their changes during vegetative cycle after evoked gummosis by pathogens. In Biológia. - Warszawa : Verzita, 2012-, 1971, roč. 26, č. 1, s. 13-18.

Citácie:

1. [1.1] BOUAZIZ, F. - KOUBAA, M. - GHORBEL, R.E. - CHAABOUNI, S.E. Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. 2016, vol. 86, p. 535-545. ISSN 0141-8130., WOS

ADDA43 ROSÍK, Jozef - KARDOŠOVÁ, Alžbeta - ZITKO, V. - KUBALA, Jozef. Structural features of the polysaccharide from the plum-tree gum (Prunus domestica L. subsp. domestica). In Chemické zvesti, 1967, vol. 21, p. 13-22. ISSN 0366-6352.

Citácie:

1. [1.1] Bouaziz, F (Bouaziz, Fatma); Koubaa, M (Koubaa, Mohamed); Ghorbel, RE (Ghorbel, Raoudha Ellouz); Chaabouni, SE (Chaabouni, Semia Ellouz): Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 535-545, WOS

ADDA44 ROSÍK, Jozef - KUBALA, Jozef - STANOVÁ, M. - LAČOK, P. Structural properties of apricot gum polysaccharide. IV. Observation on their changes during vegetational cycle after evoked gummosis by pathogens. In Biológia, 1971, vol. 26, p. 13-18.

Citácie:

1. [1.1] Bouaziz, F (Bouaziz, Fatma); Koubaa, M (Koubaa, Mohamed); Ghorbel, RE (Ghorbel, Raoudha Ellouz); Chaabouni, SE (Chaabouni, Semia Ellouz): Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 86 Pages: 535-545, WOS

ADDA45 ROSÍK, Jozef - KUBALA, Jozef - KARDOŠOVÁ, Alžbeta - LAČOK, Pavel. Amino acids and inorganic compounds in apricot-tree gum (Prunus armeniaca L.) and in the polysaccharides prepared from this gum. In Biológia, 1975, vol. 30, no. 4, p. 255-263.

Citácie:

1. [1.1] Bouaziz, F - Koubaa, M - Ghorbel, RE - Chaabouni, SE. Recent advances in Rosaceae gum exudates: From synthesis to food and non-food applications. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2016, vol. 86, p. 535-545., WOS

ADDA46 SLAMEŇOVÁ, Darina - HORVÁTHOVÁ, Eva - LÁBAJ, Juraj - KOŠÍKOVÁ, Božena - MAŠTEROVÁ, Irena - BARTKOVÁ, Miriam - KRAJČOVIČOVÁ, Zdenka. Reduction of DNA-damaging effects of anti-HIV drug 3'-azido-3'-dideoxythymidine on human cells by ursolic acid and lignin biopolymer. In Neoplasma, 2006, vol. 53, no. 6, p. 485-491. (0.731 - IF2005). (2006 - Current Contents). ISSN 0028-2685.

Citácie:

1. [1.1] HUANG, Qiuxia - CHEN, Hongfei - REN, Yuyan - WANG, Zhe - ZENG, Peiyu - LI, Xuan - WANG, Juan - ZHENG, Xing. Anti-hepatocellular carcinoma activity and mechanism of chemopreventive compounds: ursolic acid derivatives. In PHARMACEUTICAL BIOLOGY. ISSN 1388-0209, 2016, vol. 54, no. 12, pp. 3189-3196., WOS

2. [1.1] LUIS ESPINOZA-ACOSTA, Jose - ISABEL TORRES-CHAVEZ, Patricia - RAMIREZ-WONG, Benjamin - MARIA LOPEZ-SAIZ, Carmen - MONTANO-LEYVA, Beatriz. Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In BIORESOURCES. ISSN 1930-2126, 2016, vol. 11, no. 2, pp. 5452., WOS

3. [1.1] YARLA, Nagendra Sastry - BISHAYEE, Anupam - SETHI, Gautam - REDDANNA, Pallu - KALLE, Arunasree M. - DHANANJAYA, Bhadrapura Lakkappa - DOWLURU, Kaladhar S. V. G. K. - CHINTALA, Ramakrishna - DUDDUKURI, Govinda Rao. Targeting arachidonic acid pathway by natural products for cancer prevention and therapy. In SEMINARS IN CANCER BIOLOGY. ISSN 1044-579X, 2016, vol. 40-41, no., pp. 48-81., WOS

ADDA47 SLEZÁRIK, Alexander - REXOVÁ-BENKOVÁ, Ľubomíra. Characterization of extracellular pectolytic enzymes of Monilia laxa. In Biologia, 1957, vol. 22, p. 407-413. ISSN 0006-3088.

Citácie:

1. [1.1] Meneghel, L (Meneghel, Lenara); Reis, GP (Reis, Guilherme Pellenz); Reginatto, C (Reginatto, Caroline); Malvessi, E (Malvessi, Eloane); da Silveira, MM (da Silveira, Mauricio Moura):Assessment of pectinase production by Aspergillus oryzae in growth-limiting liquid medium under limited and non-limited oxygen supply. In: PROCESS BIOCHEMISTRY Volume: 49 Issue: 11 Pages: 1800-1807, WOS

ADDA48 SUTOVSKÁ, Martina - CAPEK, Peter - FRAŇOVÁ, Soňa - JOSKOVA, Marta - SUTOVSKY, Juraj - MARCINEK, J. - KALMAN, Michal. Antitussive activity of Althaea officinalis L. polysaccharide rhamnogalacturonan and its changes in guinea pigs with ovalbumin-induced airways inflammation. In Bratislava Medical Journal, 2011, vol. 112, p. 670-675. (0.345 - IF2010). (2011 - Current Contents). ISSN 0006-9248.

Citácie:

1. [1.1] Ayrle, H (Ayrle, Hannah); Mevissen, M (Mevissen, Meike); Kaske, M (Kaske, Martin); Nathues, H (Nathues, Heiko); Gruetzner, N (Gruetzner, Niels); Melzig, M (Melzig, Matthias); Walkenhorst, M (Walkenhorst, Michael): Medicinal plants - prophylactic and therapeutic options for gastrointestinal and respiratory diseases in calves and piglets? A systematic review. In: BMC VETERINARY RESEARCH Volume: 12 Article Number: 89, WOS

2. [1.2] Heydarirad, G., & Choopani, R. (2015). "Dry mouth" from the perspective of traditional persian medicine and comparison with current management. Journal of Evidence-Based Complementary and Alternative Medicine, 20(2), 137-142, SCOPUS

3. [1.2] Karegar-Borzi, H., Salehi, M., & Rahimi, R. (2016). Laūq: A sustained-release dosage form for respiratory disorders in traditional persian medicine. Journal of Evidence-Based Complementary and Alternative Medicine, 21(1), 63-70, SCOPUS

ADDA49 ŠANDULA, Jozef - VOJTKOVÁ-LEPŠÍKOVÁ, A.. Immunochemical studies on mannans of the genus Saccharomyces: Group of Saccharomyces sensu stricto species. In Folia microbiologica, 1974, vol. 19, p. 94-101. ISSN 0015-5632.

Citácie:

1. [1.1] Grizel, AV (Grizel, Anastasia V.); Rubel, AA (Rubel, Aleksandr A.); Chernoff, YO (Chernoff, Yury O.): Strain conformation controls the specificity of cross-species prion transmission in the yeast model. In: PRION Volume: 10 Issue: 4 Pages: 269-282, WOS

2. [1.1] Sharma, A (Sharma, Aditi); Bruce, KL (Bruce, Kathryn L.); Chen, BX (Chen, Buxin); Gyoneva, S (Gyoneva, Stefka); Behrens, SH (Behrens, Sven H.); Bommarius, AS (Bommarius, Andreas S.); Chernoff, YO (Chernoff, Yury O.): Sharma, A (Sharma, Aditi); Bruce, KL (Bruce, Kathryn L.); Chen, BX (Chen, Buxin); Gyoneva, S (Gyoneva, Stefka); Behrens, SH (Behrens, Sven H.); Bommarius, AS (Bommarius, Andreas S.); Chernoff, YO (Chernoff, Yury O.):Sharma, A (Sharma, Aditi); Bruce, KL (Bruce, Kathryn L.); Chen, BX (Chen, Buxin); Gyoneva, S (Gyoneva, Stefka); Behrens, SH (Behrens, Sven H.); Bommarius, AS (Bommarius, Andreas S.); Chernoff, YO (Chernoff, Yury O.): Contributions of the Prion Protein Sequence, Strain, and Environment to the Species Barrier. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 3 Pages: 1277-1288, WOS

ADDA50 ŠČERBUCHIN, V.D. - ROSÍK, Jozef - KUBALA, Jozef. Polysaccharide from the cherry-tree gum (Prunus avium L. var. duracina L.). In Chemické zvesti, 1968, vol. 22?, p. 248-256. ISSN 0366-6352.

Citácie:

1. [1.1] Shabani, H (Shabani, Hossein); Askari, G (Askari, Gholamreza); Jahanbin, K (Jahanbin, Kambiz); Khodaeian, F (Khodaeian, Faramarz): Evaluation of physicochemical characteristics and antioxidant property of Prunus avium gum exudates. In: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 436-441, WOS

ADDA51 ŠEFČOVIČOVÁ, Jana, Blahutová - FILIP, Jaroslav - TKÁČ, Ján. Interfacing of microbial cells with nanoparticles: Simple and cost-effective preparation of a highly sensitive microbial ethanol biosensor. In Chemical Papers, 2015, vol. 69, p. 176-182. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.2] Pacheco, J. G., Barroso, M. F., Nouws, H. P. A., Morais, S., & Delerue-Matos, C. (2016). Biosensors. In Current developments in biotechnology and bioengineering: Bioprocesses, bioreactors and controls (Elsevier, chapter 21, pp. 627-648), SCOPUS

ADDA52 ŠEFČOVIČOVÁ, Jana, Blahutová - TKÁČ, Ján. Application of nanomaterials in microbial-cell

biosensor constructions. In Chemical Papers, 2015, vol. 69, p. 42-53. (1.468 - IF2014). (2015 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Ozdokur, KV (Ozdokur, K. Volkan); Demir, B (Demir, Bilal); Atman, E (Atman, Ece); Tatli, AY (Tatli, Alper Yalin); Yilmaz, B (Yilmaz, Buket); Demirkol, DO (Demirkol, Dilek Odaci); Kocak, S (Kocak, Suleyman); Timur, S (Timur, Suna); Ertas, FN (Ertas, F. Nil): A novel ethanol biosensor on pulsed deposited MnOx-MoOx electrode decorated with Pt nanoparticles. In: SENSORS AND ACTUATORS B-CHEMICAL Volume: 237 Pages: 291-297, WOS

ADDA53 ŠURANSKÁ, Hana - VRÁNOVÁ, Dana - OMELKOVÁ, Jiřina - VADKERTIOVÁ, Renáta. Monitoring of yeast population isolated during spontaneous fermentation of Moravian wine. In Chemical papers, 2012, vol. 66, p. 861-868. (1.096 - IF2011). (2012 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Vásquez C, Jorge Alberto; Ramírez Castrillón, Mauricio; Monsalve F, Zulma Isabel: Update on molecular characterization for yeast of industrial interest. In: Revista Colombiana de Biotecnología Volume: 18 Issue: 2 Pages: 129-139, WOS

ADDA54 TALÁBA, P. - SROKOVÁ, Iva - HODÚL, P. - EBRINGEROVÁ, Anna. New procedure for the preparation of cellulose esters with aromatic carboxylic acids. In Chemical Papers - Chemické zvesti, 1996, vol. 50, p. 365-368. ISSN 0366-6352.

Citácie:

1. [1.1] Nalinbenjapun, S., & Ovatlarnporn, C. (2016). p-aminobenzoic acid-chitosan conjugates for paba delivery to the large intestine. Pakistan Journal of Nutrition, 15(10), 921-928, SCOPUS

ADDA55 UHRÍN, Dušan - BUČKOVÁ, A. - EISENREICHOVÁ, E. - HALADOVÁ, M. - TOMKO, J. Constituents of Lilium candidum L. In Chemical Papers - Chemické zvesti, 1989, vol.43, p. 793-796. ISSN 0366-6352.

Citácie:

1. [1.1] Ozen, F (Ozen, Fazil); Aka, GE (Aka, Gulsah E.); Aksoy, O (Aksoy, Ozlem): GENETIC DIVERSITY AND CONSERVATION STRATEGIES OF SOME LILIUM CANDIDUM L. POPULATION IN TURKEY. In: BANGLADESH JOURNAL OF BOTANY Volume: 45 Issue: 1 Pages: 133-141, WOS

ADDA56 VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - ZELKO, Ivan - RICHTEROVÁ-KUČEROVÁ, Danica - BUJDOŠ, Marek - LIŠKOVÁ, Desana. Interaction of silicon and cadmium in Brassica juncea and Brassica napus. In Biologia : journal of the Slovak Academy of Sciences, 2012, vol. 67, no. 3, p. 498-504. (0.557 - IF2011). (2012 - Current Contents). ISSN 0006-3088.

Citácie:

1. [1.1] Pandey, C (Pandey, Chandana); Khan, E (Khan, Ehasanullah); Panthri, M (Panthri, Medha); Tripathi, RD (Tripathi, Rudra Deo); Gupta, M (Gupta, Meetu): Impact of silicon on Indian mustard (Brassica juncea L.) root traits by regulating growth parameters, cellular antioxidants and stress modulators under arsenic stress. In: PLANT PHYSIOLOGY AND BIOCHEMISTRY Volume: 104 Pages: 216-225, WOS

2. [1.1] Vaculikova, M (Vaculikova, Miroslava); Vaculik, M (Vaculik, Marek); Tandy, S (Tandy, Susan); Luxova, M (Luxova, Miroslava); Schulin, R (Schulin, Rainer): Alleviation of antimonate (SbV) toxicity in maize by silicon (Si). In: ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 128 Pages: 11-17, WOS

3. [1.1] Wang, YC (Wang, Yichao); Hu, YH (Hu, Yanhong); Duan, YK (Duan, Yaoke); Feng, R (Feng, Ru); Gong, HJ (Gong, Haijun): Silicon reduces long-term cadmium toxicities in potted garlic plants.In: ACTA PHYSIOLOGIAE PLANTARUM Volume: 38 Issue: 8 Article Number: 211, WOS

4. [3.1] Líška, D (Denis Líška); Soukup, M (Milan Soukup); Lukačová, Z (Zuzana Lukáčová); Bokor, B (Boris Bokor); Vaculík, M (Marek Vaculík): Mechanisms of silicon-mediated alleviation of abiotic stress in plants. Recent advances and future perspective: Silicon in Plants: Advances and Future Prospects (CRC Press Book Series) Pages: 1-28

5. [3.1] Rahman, M (Moupia Rahman); Haq, N (Nazmul Haq); Williams, ID (Ian D. Williams): Phytoaccumulation of arsenic, cadmium and lead by Brassica juncea parents and their F1 hybrids, In: JOURNAL OF ENVIRONMENTAL PROTECTION Volume:7 Pages: 613-622

6. [3.1] Vaculík, M (Marek Vaculík); Vaculíková, M (Miroslava Vaculíková): Role of silicon under heavy metal and toxic element stress. An emphasis on root biology. In: Silicon in Plants: Advances and Future Prospects (CRC Press Book Series) Pages: 175-194

ADDA57 ZEKOVIČ, D. - RADULOVIČ, M. - NASTASIVIČ, A. - VRVIČ, M.M. - JAKOVLJEVIČ, D. - KOGAN, Grigorij. Mild Pfitzner–Moffat oxidation of the (1→3)-β-D-glucan from Saccharomyces cerevisiae. In Chemical Papers, 2006, vol. 60, p. 243-248. (2006 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] Cherno, NK (Cherno, N. K.); Burdo, OG (Burdo, O. G.); Naymenko, KI (Naymenko, K. I.): USING SHF TREATMENT MICROWAVE TO OBTAIN YEAST CELL WALL POLYSACCHARIDES. In: JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-UKRAINE Volume: 10 Issue: 2 Pages: 8-13, WOS
2. [1.1] Kwiatkowski, S (Kwiatkowski, Stefan); Kwiatkowski, SE (Kwiatkowski, Stefan Edgar): Yeast (Saccharomyces cerevisiae) Glucan Polysaccharides - Occurrence, Separation and Application in Food, Feed and Health Industries. In: COMPLEX WORLD OF POLYSACCHARIDES Pages: 47-70, WOS

ADDA58 ŽOLDÁKOVÁ, A. - SROKOVA, I. - SASINKOVÁ, Vlasta - HIRSCH, Ján - EBRINGEROVÁ, Anna. Biosurfactants based on partially esterified O-(carboxymethyl)starch. In Chemical papers, 2005, vol. 59, p. 62-367. ISSN 0366-6352.

Citácie:

1. [1.1] Lv, X (Lv, Xia); Ye, FY (Ye, Fayin); Li, JF (Li, Jinfeng); Ming, J (Ming, Jian); Zhao, GH (Zhao, Guohua): Synthesis and characterization of a novel antioxidant RS4 by esterifying carboxymethyl sweetpotato starch with quercetin. In: CARBOHYDRATE POLYMERS Volume: 152 Pages: 317-326, WOS

ADDB Vedecké práce v domácich karentovaných časopisoch – neimpaktovaných

ADDB01 BÍLIK, Vojtech. Reactions of saccharides catalyzed by molybdate ions. II. Epimerization of D-glucose and D-mannose. In Chemické zvesti, 1972, vol.26, s. 183-186.

Citácie:

1. [1.1] Brand, SK (Brand, Stephen K.); Labinger, JA (Labinger, Jay A.); Davis, ME (Davis, Mark E.): Tin Silsesquioxanes as Models for the "Open" Site in Tin-Containing Zeolite Beta. In: Chethana, BK (Chethana, B. K.); Lee, D (Lee, Dongheon); Mushrif, SH (Mushrif, Samir H.): First principles investigation into the metal catalysed 1,2 carbon shift reaction for the epimerization of sugars. In: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 410 Pages: 66-73, WOS
2. [1.1] Chethana, BK (Chethana, B. K.); Mushrif, SH (Mushrif, Samir H.): Bronsted and Lewis acid sites of Sn-beta zeolite, in combination with the borate salt, catalyze the epimerization of glucose: A density functional theory study. In: JOURNAL OF CATALYSIS Volume: 323 Pages: 158-164, WOS
3. [1.1] Choudhary, V (Choudhary, Vinit); Pinar, AB (Pinar, Ana B.); Lobo, RF (Lobo, Raul F.); Vlachos, DG (Vlachos, Dionisios G.); Sandler, SI (Sandler, Stanley I.): Comparison of Homogeneous and Heterogeneous Catalysts for Glucose-to-Fructose Isomerization in Aqueous Media. In: CHEMSUSCHEM Volume: 6 Issue: 12 Pages: 2369-2376, WOS
4. [1.1] Delidovich, I (Delidovich, Irina); Palkovits, R (Palkovits, Regina): Catalytic Isomerization of Biomass-Derived Aldoses: A Review. In: CHEMSUSCHEM Volume: 9 Issue: 6 Pages: 547-561, WOS
5. [1.1] Dusselier, M (Dusselier, Michiel); Mascal, M (Mascal, Mark); Sels, BF (Sels, Bert F.): Top Chemical Opportunities from Carbohydrate Biomass: A Chemist's View of the Biorefinery. In: SELECTIVE CATALYSIS FOR RENEWABLE FEEDSTOCKS AND CHEMICALS Book Series Title: Topics in Current Chemistry Volume: 353 Pages: 1-40, WOS
6. [1.1] Frihed, TG (Frihed, Tobias Gylling); Bols, M (Bols, Mikael); Pedersen, CM (Pedersen, Christian Marcus): Synthesis of L-Hexoses. In: CHEMICAL REVIEWS Volume: 115 Issue: 9 Pages: 3615-3676, WOS
7. [1.1] Hajek, J (Hajek, Jan); Murzin, DY (Murzin, Dmitry Yu.); Salmi, T (Salmi, Tapio); Mikkola, JP (Mikkola, Jyri-Pekka): Interconversion of Lactose to Lactulose in Alkaline Environment: Comparison of Different Catalysis Concepts. In: TOPICS IN CATALYSIS Volume: 56 Issue: 9-10 Pages: 839-845, WOS
8. [1.1] Hricoviniova, Z (Hricoviniova, Zuzana); Hricovini, M (Hricovini, Milos): A new type of rearrangement in branched-chain carbohydrates: isomerization of 3-C-branched aldoses. In: CARBOHYDRATE RESEARCH Volume: 370 Pages: 1-8, WOS
9. [1.1] Ju, F (Ju, Feifei); VanderVelde, D (VanderVelde, David); Nikolla, E (Nikolla, Eranda): Molybdenum-Based Polyoxometalates as Highly Active and Selective Catalysts for the Epimerization of Aldoses. In: ACS CATALYSIS Volume: 4 Issue: 5 Pages: 1358-1364, WOS
10. [1.1] Mushrif, SH (Mushrif, Samir H.); Vasudevan, V (Vasudevan, Vallabh); Krishnamurthy, CB (Krishnamurthy, Chethana B.); Venkatesh, B (Venkatesh, Boddu): Multiscale molecular modeling can be an effective tool to aid the development of biomass conversion technology: A perspective. In: CHEMICAL ENGINEERING SCIENCE Volume: 121 Pages: 217-235, WOS
11. [1.1] Nguyen, H (Hannah Nguyen); Nikolakis, V (Nikolakis, Vladimiros); Vlachos, DG (Vlachos, Dionisios G.): Mechanistic Insights into Lewis Acid Metal Salt-Catalyzed Glucose Chemistry in Aqueous Solution. In: ACS CATALYSIS Volume: 6 Issue: 3 Pages: 1497-1504,

WOS
12. [1.1] Ooms, R (Ooms, Roselinde); Dusselier, M (Dusselier, Michiel); Geboers, JA (Geboers, Jan A.); Op de Beeck, B (Op de Beeck, Beau); Verhaeven, R (Verhaeven, Rick); Gobechiya, E (Gobechiya, Elena); Martens, JA (Martens, Johan A.); Redl, A (Redl, Andreas); Sels, BF (Sels, Bert F.): Conversion of sugars to ethylene glycol with nickel tungsten carbide in a fed-batch reactor: high productivity and reaction network elucidation. In: GREEN CHEMISTRY Volume: 16 Issue: 2 Pages: 695-707, WOS
13. [1.1] Orazov, M (Orazov, Marat); Davis, ME (Davis, Mark E.): Tandem catalysis for the production of alkyl lactates from ketohexoses at moderate temperatures. In: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 112 Issue: 38 Pages: 11777-11782, WOS
14. [1.1] Spasova, B (Spasova, Berta); Kuesters, C (Kuesters, Christof); Stengel, B (Stengel, Bruno); Brandner, JJ (Brandner, Juergen J.): Investigation of process conditions for catalytic conversion of carbohydrates by epimerization using a microstructured reactor. In. CHEMICAL ENGINEERING AND PROCESSING Volume: 105 Pages: 103-109, WOS

ADDB02 BÍLIK, Vojtech. Reactions of saccharides catalyzed by molybdate ions. III. Preparation of L-glucose by epimerization of L-mannose or L-mannose phenylhydrazone. In Chemické zvesti, 1972, vol.26, s. 187-189.

Citácie:
1. [1.1] Spasova, B (Spasova, Berta); Kuesters, C (Kuesters, Christof); Stengel, B (Stengel, Bruno); Brandner, JJ (Brandner, Juergen J.): Investigation of process conditions for catalytic conversion of carbohydrates by epimerization using a microstructured reactor. In: CHEMICAL ENGINEERING AND PROCESSING Volume: 105 Pages: 103-109, WOS

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 BIELY, Peter - KLUEPFEL, D. - MOROSOLI, R. - SHARECK, F. Mode of action of three endo-β-1,4-xylanases of Streptomyces lividans. In Biochimica et Biophysica Acta : protein structure and molecular enzymology, 1993, vol. 1162, p. 246-254. ISSN 0167-4838.

Citácie:
1. [1.1] Alvarez-Cervantes, J (Alvarez-Cervantes, J.); Dominguez-Hernandez, EM (Dominguez-Hernandez, E. M.); Mercado-Flores, Y (Mercado-Flores, Y.); O'Donovan, A (O'Donovan, A.); Diaz-Godinez, G (Diaz-Godinez, G.): Mycosphere Essay 10: Properties and characteristics of microbial xylanases. In: MYCOSPHERE Volume: 7 Issue: 10 Special Issue: SI Pages: 1600-1619, WOS

ADEA02 FORANO, E. - DELORT, A.-M. - MATULOVÁ, Mária. Carbohydrate metabolism in Fibrobacter succinogenes: What NMR tell us. In Microbial Ecology in Health and Disease : Official Journal of the Society of Microbial Ecology in Health and Disease, 2008, vol.20, p. 94-102. ISSN 0891-060X.

Citácie:
1. [1.1] Kristoffersen, C (Kristoffersen, Camilla); Jensen, RB (Jensen, Rasmus B.); Avershina, E (Avershina, Ekaterina); Austbo, D (Austbo, Dag); Tauson, AH (Tauson, Anne-Helene); Rudi, K (Rudi, Knut):Diet-Dependent Modular Dynamic Interactions of the Equine Cecal Microbiota. In: MICROBES AND ENVIRONMENTS Volume: 31 Issue: 4 Pages: 378-386, WOS

ADEA03 HROMÁDKOVÁ, Zdenka - MALOVÍKOVÁ, Anna - MOZEŠ, Š. - SROKOVÁ, I. Hydrophobically modified pectates as novel functional polymers in food and non-food applications. In BioResources, 2008, vol. 3, p. 71-78. ISSN 1930-2126.

Citácie:
1. [1.1] Umoren, SA (Umoren, Saviour A.); Eduok, UM (Eduok, Ubong M.): Application of carbohydrate polymers as corrosion inhibitors for metal substrates in different media: A review. In: CARBOHYDRATE POLYMERS Volume: 140 Pages: 314-341, WOS

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

ADFB01 DŘÍMAL, Ján - KNEZL, Vladimír - NAVAROVÁ, Jana - NEDELČEVOVÁ, Jana - PAULOVIČOVÁ, Ema - SOTNÍKOVÁ, Ružena - ŠNIRC, Vladimír - DŘÍMAL, Daniel. Role of inflammatory cytokines and chemoattractants in the rat model of streptozotocin-induced diabetic heart failure. In Endocrine Regulations, 2008, vol. 42, p. 129 - 135. ISSN 1210-0668.

Citácie:
1. [1.1] KAMALI, K. - SALMANI KORJAN, E. - EFTEKHAR, E. - MALEKZADEH, K. - GHADIRI SOUFI, F. The role of miR-146a on NF-κB expression level in human umbilical vein endothelial cells under hyperglycemic condition. In Bratislava MEDICAL JOURNAL. ISSN 0006-9248, 2016, vol. 117, no. 7, p. 376-380., WOS
2. [1.1] SUN, B. - LI, C. - ZUO, L. - LIU, P. Protection of SAL B with H9C2 cells. In

PHARMACEUTICAL BIOLOGY. ISSN 1388-0209, 2016, vol. 54, no. 5, p. 889-895., WOS

ADFB02 KÁKONIOVÁ, Daniela - VAVERKOVÁ, Štefánia - LIŠKOVÁ, Desana - URGEOVÁ, E. - JURÁKOVÁ, Z.. The possibility to enhance flavonoids production in Rubia tinctorum L. callus cultures. In Nova biotechnologica, 2009, vol. 9, p. 191-197. ISSN 1337-8783.

Citácie:

1. [1.1] Talukder, P (Talukder, Pratik); Talapatra, S (Talapatra, Shonima); Ghoshal, N (Ghoshal, Nirmalya); Sen Raychaudhuri, S (Sen Raychaudhuri, Sarmistha): Antioxidant activity and high-performance liquid chromatographic analysis of phenolic compounds during in vitro callus culture of Plantago ovata Forsk. and effect of exogenous additives on accumulation of phenolic compounds. In: JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE Volume: 96 Issue: 1 Pages: 232-244, WOS

ADFB03 KOŠÍKOVÁ, Božena - LÁBAJ, Juraj. Antigenotoxic effect of lignin preparations from wastes of pulp and paper industry - in vitro and ex vivo activity. In Acta Facultatis Xylologiae, 2011, roč. 53, s. 69-76. (2011 - SCOPUS). ISSN 1336-3824.

Citácie:

1. [1.1] Espinoza-Acosta, JL (Luis Espinoza-Acosta, Jose); Torres-Chavez, PI (Isabel Torres-Chavez, Patricia); Ramirez-Wong, B (Ramirez-Wong, Benjamin); Lopez-Saiz, CM (Maria Lopez-Saiz, Carmen); Montano-Leyva, B (Montano-Leyva, Beatriz): Antioxidant, Antimicrobial, and Antimutagenic Properties of Technical Lignins and Their Applications. In: BIORESOURCES Volume: 11 Issue: 2 Pages: 5452-5481, WOS

ADFB04 VALACHOVÁ, Katarína - KOGAN, Grigorij - GEMEINER, Peter - ŠOLTÉS, Ladislav. Protective effects of manganese(II) chloride on hyaluronan degradation byoxidative system ascorbate plus cupric chloride. In Interdisciplinary toxicology, 2010, vol. 3, no.1, p. 26-34. ISSN 1337-6853.

Citácie:

1. [1.1] ADHIKARI, A. - POLLEY, N. - DARBAR, S. - BAGCHI, D. - PAL, S.K. Citrate functionalized Mn3O4 in nanotherapy of hepatic fibrosis by oral administration. In FUTURE SCIENCE OA. ISSN 2056-5623, 2016, vol. 2, no. 4, FSO146., WOS

2. [1.1] MAHANI, S.T. - BEHNAM, B. - ABBASSI, M. - ASGARI, H. - NAZMARA, Z. - SHIRINBAYAN, P. - JOGHATAEI, M.T. - KORUJI, M. Tsga10 expression correlates with sperm profiles in the adult formalin-exposed mice. In ANDROLOGIA. ISSN 0303-4569, 2016, vol. 48, no. 10, p. 1092-1099., WOS

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMA01 ARIANI, Andrea - DI BACCIO, Daniela - ROMEO, Stefania - LOMBARDI, Lara - ANDREUCCI, Andrea - LUX, Alexander - HORNER, David Stephen - SEBASTIANI, Luca. RNA sequencing of Populus x canadensis roots identifies key molecular mechanisms underlying physiological adaption to excess zinc. In PLoS ONE, 2015, vol. 10, p. e0117571. (3.234 - IF2014). ISSN 1932-6203.

Citácie:

1. [1.1] Benyo, D (Benyo, Daniel); Horvath, E (Horvath, Edit); Nemeth, E (Nemeth, Edit); Leviczky, T (Leviczky, Tuende); Takacs, K (Takacs, Kinga); Lehotai, N (Lehotai, Nora); Feigl, G (Feigl, Gabor); Kolbert, Z (Kolbert, Zsuzsanna); Ordog, A (Oerdoeg, Attila); Galle, R (Galle, Robert); Csiszar, J (Csiszar, Jolan); Szabados, L (Szabados, Laszlo); Erdei, L (Erdei, Laszlo); Galle, A (Galle, Agnes): Physiological and molecular responses to heavy metal stresses suggest different detoxification mechanism of Populus deltoides and P-x canadensis. In: JOURNAL OF PLANT PHYSIOLOGY Volume: 201 Pages: 62-70, WOS

2. [1.1] Das, ZA (Das, Zeycan Akcan); Dimlioglu, G (Dimlioglu, Gizem); Bor, M (Bor, Melike); Ozdemir, F (Ozdemir, Filiz): Zinc induced activation of GABA-shunt in tobacco (Nicotiana tabaccum L.). In: ENVIRONMENTAL AND EXPERIMENTAL BOTANY Volume: 122 Pages: 78-84, WOS

3. [1.1] Ho, CL (Ho, Chai-Ling); Tan, YC (Tan, Yung-Chie); Yeoh, KA (Yeoh, Keat-Ai); Ghazali, AK (Ghazali, Ahmad-Kamal); Yee, WY (Yee, Wai-Yan); Hoh, CC (Hoh, Chee-Choong): De novo transcriptome analyses of host-fungal interactions in oil palm (Elaeis guineensis Jacq.). In: BMC GENOMICS Volume: 17 Article Number: 66, WOS

ADMA02 BENNATI-GRANIER, Chloe - GARAJOVÁ, Soňa - CHAMPION, Charlotte - GRISEL, Sacha - HAON, Mireille - ZHOU, Simeng - FANUEL, Mathieu - ROPARTZ, David - ROGNIAUX, Héléne - GIMBERT, Isabelle - RECORD, Eric - BERRIN, Jean-Guy. Substrate specificity and regioselectivity of fungal AA9 lytic polysaccharide monooxygenases secreted by Podospora anserina. In Biotechnology for biofuels, 2015, vol. 8, article no. 90. (6.044 - IF2014). ISSN 1754-6834.

Citácie:

1. [1.1] Attia, MA (Attia, Mohamed A.); Brumer, H (Brumer, Harry): Recent structural insights into the enzymology of the ubiquitous plant cell wall glycan xyloglucan. In: CURRENT OPINION

IN STRUCTURAL BIOLOGY Volume: 40 Pages: 43-53, WOS
2. [1.1] Cannella, D (Cannella, D.); Mollers, KB (Mollers, K. B.); Frigaard, NU (Frigaard, N. - U.); Jensen, PE (Jensen, P. E.); Bjerrum, MJ (Bjerrum, M. J.); Johansen, KS (Johansen, K. S.); Felby, C (Felby, C.): Light-driven oxidation of polysaccharides by photosynthetic pigments and a metalloenzyme. In: NATURE COMMUNICATIONS Volume: 7 Article Number: 11134, WOS
3. [1.1] Courtade, G (Courtade, Gaston); Wimmer, R (Wimmer, Reinhard); Rohr, AK (Rohr, Asmund K.); Preims, M (Preims, Marita); Felice, AKG (Felice, Alfons K. G.); Dimarogona, M (Dimarogona, Maria); Vaaje-Kolstad, G (Vaaje-Kolstad, Gustav); Sorlie, M (Sorlie, Morten); Sandgren, M (Sandgren, Mats); Ludwig, R (Ludwig, Roland); Eijsink, VGH (Eijsink, Vincent G. H.); Aachmann, FL (Aachmann, Finn Lillelund): Interactions of a fungal lytic polysaccharide monooxygenase with beta-glucan substrates and cellobiose dehydrogenase. In: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 113 Issue: 21 Pages: 5922-5927, WOS
4. [1.1] Crouch, LI (Crouch, Lucy I.); Labourel, A (Labourel, Aurore); Walton, PH (Walton, Paul H.); Davies, GJ (Davies, Gideon J.); Gilbert, HJ (Gilbert, Harry J.): The Contribution of Non-catalytic Carbohydrate Binding Modules to the Activity of Lytic Polysaccharide Monooxygenases. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 14 Pages: 7439-+, WOS
5. [1.1] Forsberg, Z (Forsberg, Zarah); Nelson, CE (Nelson, Cassandra E.); Dalhus, B (Dalhus, Bjorn); Mekasha, S (Mekasha, Sophanit); Loose, JSM (Loose, Jennifer S. M.); Crouch, LI (Crouch, Lucy I.); Rohr, AK (Rohr, Asmund K.); Gardner, JG (Gardner, Jeffrey G.); Eijsink, VGH (Eijsink, Vincent G. H.); Vaaje-Kolstad, G (Vaaje-Kolstad, Gustav): Structural and Functional Analysis of a Lytic Polysaccharide Monooxygenase Important for Efficient Utilization of Chitin in Cellvibrio japonicus. In: JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 14 Pages: 7300-7312, WOS
6. [1.1] Frandsen, KEH (Frandsen, Kristian E. H.); Lo Leggio, L (Lo Leggio, Leila): Lytic polysaccharide monooxygenases: a crystallographer's view on a new class of biomass-degrading enzymes. In: IUCRJ Volume: 3 Pages: 448-467, WOS
7. [1.1] Frandsen, KEH (Frandsen, Kristian E. H.); Simmons, TJ (Simmons, Thomas J.); Dupree, P (Dupree, Paul); Poulsen, JCN (Poulsen, Jens-Christian N.); Hemsworth, GR (Hemsworth, Glyn R.); Ciano, L (Ciano, Luisa); Johnston, EM (Johnston, Esther M.); Tovborg, M (Tovborg, Morten); Johansen, KS (Johansen, Katja S.); von Freiesleben, P (von Freiesleben, Pernille); Marmuse, L (Marmuse, Laurence); Fort, S (Fort, Sebastien); Cottaz, S (Cottaz, Sylvain); Driguez, H (Driguez, Hugues); Henrissat, B (Henrissat, Bernard); Lenfant, N (Lenfant, Nicolas); Tuna, F (Tuna, Floriana); Baldansuren, A (Baldansuren, Amgalanbaatar); Davies, GJ (Davies, Gideon J.); Lo Leggio, L (Lo Leggio, Leila); Walton, PH (Walton, Paul H.): The molecular basis of polysaccharide cleavage by lytic polysaccharide monooxygenases. In: NATURE CHEMICAL BIOLOGY Volume: 12 Issue: 4 Pages: 298-+, WOS
8. [1.1] Frommhagen, M (Frommhagen, Matthias); Koetsier, MJ (Koetsier, Martijn J.); Westphal, AH (Westphal, Adrie H.); Visser, J (Visser, Jaap); Hinz, SWA (Hinz, Sandra W. A.); Vincken, JP (Vincken, Jean-Paul); van Berkel, WJH (van Berkel, Willem J. H.); Kabel, MA (Kabel, Mirjam A.); Gruppen, H (Gruppen, Harry): Lytic polysaccharide monooxygenases from Myceliophthora thermophila C1 differ in substrate preference and reducing agent specificity. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 186, WOS
9. [1.1] Hemsworth, GR (Hemsworth, Glyn R.); Dejean, G (Dejean, Guillaume); Davies, GJ (Davies, Gideon J.); Brumer, H (Brumer, Harry): Learning from microbial strategies for polysaccharide degradation. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 94-108, WOS
10. [1.1] Jagadeeswaran, G (Jagadeeswaran, Guru); Gainey, L (Gainey, Lawrie); Prade, R (Prade, Rolf); Mort, AJ (Mort, Andrew J.): A family of AA9 lytic polysaccharide monooxygenases in Aspergillus nidulans is differentially regulated by multiple substrates and at least one is active on cellulose and xyloglucan. In: APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 100 Issue: 10 Pages: 4535-4547, WOS
11. [1.1] Johansen, KS (Johansen, Katja Salomon): Lytic Polysaccharide Monooxygenases: The Microbial Power Tool for Lignocellulose Degradation. In: TRENDS IN PLANT SCIENCE Volume: 21 Issue: 11 Pages: 926-936, WOS
12. [1.1] Kojima, Y (Kojima, Yuka); Varnai, A (Varnai, Aniko); Ishida, T (Ishida, Takuya); Sunagawa, N (Sunagawa, Naoki); Petrovic, DM (Petrovic, Dejan M.); Igarashi, K (Igarashi, Kiyohiko); Jellison, J (Jellison, Jody); Goodell, B (Goodell, Barry); Alfredsen, G (Alfredsen, Gry); Westereng, B (Westereng, Bjorge); Eijsink, VGH (Eijsink, Vincent G. H.); Yoshida, M (Yoshida, Makoto): A Lytic Polysaccharide Monooxygenase with Broad Xyloglucan Specificity from the Brown-Rot Fungus Gloeophyllum trabeum and Its Action on Cellulose-Xyloglucan Complexes. In: APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 22 Pages: 6557-6572, WOS

13. [1.1] Li, X (Li Xin); Zhang, LL (Zhang Li-Li); Tian, L (Tian Li); Zhang, HQ (Zhang Huai-Qiang); Chen, GJ (Chen Guan-Jun); Wang, LS (Wang Lu-Shan): The Advance of Efficient Catalysis of Lytic Polysaccharide Monooxygenases. In: PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS Volume: 43 Issue: 10 Pages: 970-979, WOS
14. [1.1] Nekiunaite, L (Nekiunaite, Laura); Arntzen, MO (Arntzen, Magnus O.); Svensson, B (Svensson, Birte); Vaaje-Kolstad, G (Vaaje-Kolstad, Gustav); Abou Hachem, M (Abou Hachem, Maher): Lytic polysaccharide monooxygenases and other oxidative enzymes are abundantly secreted by Aspergillus nidulans grown on different starches. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 187, WOS
15. [1.1] Nekiunaite, L (Nekiunaite, Laura); Petrovic, DM (Petrovic, Dejan M.); Westereng, B (Westereng, Bjorge); Vaaje-Kolstad, G (Vaaje-Kolstad, Gustav); Abou Hachem, M (Abou Hachem, Maher); Varnai, A (Varnai, Aniko); Eijsink, VGH (Eijsink, Vincent G. H.): FgLPMO9A from Fusarium graminearum cleaves xyloglucan independently of the backbone substitution pattern. In: FEBS LETTERS Volume: 590 Issue: 19 Pages: 3346-3356, WOS
16. [1.1] Skyba, O (Skyba, Oleksandr); Cullen, D (Cullen, Dan); Douglas, CJ (Douglas, Carl J.); Mansfield, SD (Mansfield, Shawn D.): Gene Expression Patterns of Wood Decay Fungi Postia placenta and Phanerochaete chrysosporium Are Influenced by Wood Substrate Composition during Degradation. In: APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 82 Issue: 14 Pages: 4387-4400, WOS
17. [1.1] Vu, VV (Vu, Van V.); Marletta, MA (Marletta, Michael A.): Starch-degrading polysaccharide monooxygenases. In: CELLULAR AND MOLECULAR LIFE SCIENCES Volume: 73 Issue: 14 Pages: 2809-2819, WOS
18. [1.1] Walton, PH (Walton, Paul H.); Davies, GJ (Davies, Gideon J.): On the catalytic mechanisms of lytic polysaccharide monooxygenases. In: CURRENT OPINION IN CHEMICAL BIOLOGY Volume: 31 Pages: 195-207, WOS
19. [1.1] Westereng, B (Westereng, Bjorge); Arntzen, MO (Arntzen, Magnus O.); Aachmann, FL (Aachmann, Finn L.); Varnai, A (Varnai, Aniko); Eijsink, VGH (Eijsink, Vincent G. H.); Agger, JW (Agger, Jane Wittrup): Simultaneous analysis of C1 and C4 oxidized oligosaccharides, the products of lytic polysaccharide monooxygenases acting on cellulose. In: JOURNAL OF CHROMATOGRAPHY A Volume: 1445 Pages: 46-54, WOS
20. [1.1] Xia, W (Xia, Wei); Xu, XX (Xu, Xinxin); Qian, LC (Qian, Lichun); Shi, PJ (Shi, Pengjun); Bai, YG (Bai, Yingguo); Luo, HY (Luo, Huiying); Ma, R (Ma, Rui); Yao, B (Yao, Bin): Engineering a highly active thermophilic beta-glucosidase to enhance its pH stability and saccharification performance. In: BIOTECHNOLOGY FOR BIOFUELS Volume: 9 Article Number: 147, WOS
21. [1.2] De Vries, R. P., Van Den Brink, J., Hildén, K. S., Mäkelä, M. R., & Stålbrand, H. (2016). Fungal degradation of plant oligo- and polysaccharides. In Handbook of carbohydrate-modifying biocatalysts (Pan Stanford Publishing, Vol. 2, chapter 20, pp. 809-895)., SCOPUS
22. [1.2] Kracher, D., & Ludwig, R. (2016). Cellobiose dehydrogenase: An essential enzyme for lignocellulose degradation in nature - A review. Bodenkultur, 67(3), 145-163, SCOPUS

ADMA03 KARELIN, Alexander A. - TSVETKOV, Yury E. - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - NIFANTIEV, Nikolay E. Blockwise synthesis of pentasaccharide structurally related to the mannan fragment from Candida albicans cell wall corresponding to the antigenic factor 6. In Russian Chemical Bulletin, 2015, vol. 64, p. 2942-2948. (0.481 - IF2014). (2015 - Current Contents). ISSN 1066-5285.

Citácie:

1. [1.1] Orlov, NV (Orlov, N. V.): Rational design of complex molecular structures starting from readily available precursors. In: RUSSIAN CHEMICAL BULLETIN Volume: 65 Issue: 6 Pages: 1418-1440, WOS

ADMA04 MAJTÁN, Juraj - KLAUDINY, Jaroslav - BOHOVÁ, Jana - KOHÚTOVÁ, Lenka - DZÚROVÁ, Mária - ŠEDIVÁ, Mária - BARTOŠOVÁ, Mária - MAJTÁN, Viktor. Methylglyoxal-induced modifications of significant honeybee proteinous components in manuka honey: Possible therapeutic implications. In Fitoterapia, 2012, vol. 83, p. 671-677. (1.848 - IF2011). ISSN 0367-326X.

Citácie:

1. [1.1] Carter, DA (Carter, Dee A.); Blair, SE (Blair, Shona E.); Cokcetin, NN (Cokcetin, Nural N.); Bouzo, D (Bouzo, Daniel); Brooks, P (Brooks, Peter); Schothauer, R (Schothauer, Ralf); Harry, EJ (Harry, Elizabeth J.): Therapeutic Manuka Honey: No Longer So Alternative. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 569, WOS
2. [1.1] Horvath, G (Horvath, Gyorgyi); Farkas, A (Farkas, Agnes); Papp, N (Papp, Nora); Bencsik, T (Bencsik, Timea); Acs, K (Acs, Kamilla); Gyergyak, K (Gyergyak, Kinga); Kocsis, B (Kocsis, Bela): Natural Substances from Higher Plants as Potential Anti-MRSA Agents. In: STUDIES IN NATURAL PRODUCTS CHEMISTRY, VOL 47: BIOACTIVE NATURAL PRODUCTS Book Series Title: Studies in Natural Products Chemistry Volume: 47 Pages: 63-

110, WOS
3. [1.1] Oryan, A (Oryan, Ahmad); Alemzadeh, E (Alemzadeh, Esmat); Moshiri, A (Moshiri, Ali): Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. In: JOURNAL OF TISSUE VIABILITY Volume: 25 Issue: 2 Pages: 98-118, WOS
4. [1.2] Bundit, T., Anothai, T., Pattaramart, P., Roongpet, T., & Chuleeporn, S. (2016). Comparison of antioxidant contents of thai honeys to manuka honey. Malaysian Journal of Nutrition, 22(3), 413-420, SCOPUS
5. [1.2] Horváth, G., Farkas, Á., Papp, N., Bencsik, T., Ács, K., Gyergyák, K., & Kocsis, B. (2016). Natural substances from higher plants as potential anti-MRSA agents. Studies in Natural Products Chemistry, 47, 63-110, SCOPUS

ADMA05 PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema - KARELIN, Alexander A. - TSVETKOV, Yury E. - NIFANTIEV, Nikolaj E. - BYSTRICKÝ, Slavomír. Immune cell response to Candida cell wall mannan derived branched α-oligomannoside conjugates in mice. In Journal of Microbiology, Immunology and infection, 2015, vol. 48, p. 9-19.

Citácie:
1. [1.1] Stojanovic, P (Stojanovic, Predrag); Stojanovic, N (Stojanovic, Nikola); Stojanovic-Radic, Z (Stojanovic-Radic, Zorica); Arsenijevic, VA (Arsenijevic, Valentina Arsic); Otasevic, S (Otasevic, Suzana); Randjelovic, P (Randjelovic, Pavle); Radulovic, NS (Radulovic, Niko S.): Surveillance and characterization of Candida bloodstream infections in a Serbian tertiary care hospital. In: JOURNAL OF INFECTION IN DEVELOPING COUNTRIES Volume: 10 Issue: 6 Pages: 643-656, WOS

ADMA06 PEREZ, Serge - TVAROŠKA, Igor. Carbohydrate–protein interactions: molecular modeling insights. In Advances in Carbohydrate Chemistry and Biochemistry, 2014, vol. 71, p. 9-136. (3.917 - IF2013). ISSN 0065-2318.

Citácie:
1. [1.1] Tripathi, RP (Tripathi, Rama P.); Upadhyaya, K (Upadhyaya, Kapil); Singh, K (Singh, Kartikey); Tiwari, VK (Tiwari, Vinod K.): Recent Developments on Carbohydrate-based Anti-infective Agents. In: TRENDS IN CARBOHYDRATE RESEARCH Volume: 7 Issue: 4 Pages: 1-21, WOS

ADMA07 PETRIK, Siniša - MÁROVÁ, Ivana - HARONÍKOVÁ, Andrea - KOSTOVOVÁ, Iveta - BREIEROVÁ, Emília. Production of biomass, carotenoid and other lipid metabolites by several red yeat strains cultivated on waste glycerol from biofuel production - comparative screening study. In Annals of Microbiology, 2013, vol. 63, p. 1537-1551. (1.549 - IF2012). ISSN 1590-4261.

Citácie:
1. [1.1] Silva, CM (Silva, Carolina Moroni); de Borba, TD (de Borba, Thais de Matos); Kalil, SJ (Kalil, Susana Juliano); Burkert, JFD (de Medeiros Burkert, Janaina Fernandes): Raw Glycerol and Parboiled Rice Effluent for Carotenoid Production: Effect of the Composition of Culture Medium and Initial pH. In: FOOD TECHNOLOGY AND BIOTECHNOLOGY Volume: 54 Issue: 4 Pages: 489-496, WOS

ADMA08 TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Stepwise catalytic mechanism via short-lived intermediate inferred from combined QM/MM MERP and PES calculations on retaining glycosyltransferase ppGalNAcT2. In PLoS computational biology, 2015, vol. 11, p. e1004061. (4.620 - IF2014). ISSN 1553-734X.

Citácie:
1. [1.1] Ardevol, A (Ardevol, Albert); Iglesias-Fernandez, J (Iglesias-Fernandez, Javier); Rojas-Cervellera, V (Rojas-Cervellera, Victor); Rovira, C (Rovira, Carme): The reaction mechanism of retaining glycosyltransferases. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 51-60, WOS
2. [1.1] Hurtado-Guerrero, R (Hurtado-Guerrero, Ramon): Recent structural and mechanistic insights into protein O-GalNAc glycosylation. In: BIOCHEMICAL SOCIETY TRANSACTIONS Volume: 44 Pages: 61-67, WOS

ADMA09 VALACHOVÁ, Katarína - HRABÁROVÁ, Eva - GEMEINER, Peter - ŠOLTÉS, Ladislav. Study of pro- and anti-oxidative properties of D-penicillamine in a system comprising high-molar-mass hyaluronan, ascorbate, and cupric ions. In Neuroendocrinology Letters, 2008, vol. 29, no. 5, p. 697-701. (1.443 - IF2007). ISSN 0172-780X.

Citácie:
1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of

Science alebo SCOPUS

ADMB01 BIELY, Peter - WESTERENG, Bjorge - PUCHART, Vladimír - DE MAAYER, Pieter - COWAN, Don A. Recent progress in understanding the mode of action of acetylxylan esterases. In Journal of Applied Glycoscience, 2014, vol. 61, p. 35-44. ISSN On-line 1880-7291, Print 1344-7882.

Citácie:

1. [1.1] Pawar, PMA (Pawar, Prashant Mohan-Anupama); Derba-Maceluch, M (Derba-Maceluch, Marta); Chong, SL (Chong, Sun-Li); Gomez, LD (Gomez, Leonardo D.); Miedes, E (Miedes, Eva); Banasiak, A (Banasiak, Alicja); Ratke, C (Ratke, Christine); Gaertner, C (Gaertner, Cyril); Mouille, G (Mouille, Gregory); McQueen-Mason, SJ (McQueen-Mason, Simon J.); Molina, A (Molina, Antonio); Sellstedt, A (Sellstedt, Anita); Tenkanen, M (Tenkanen, Maija); Mellerowicz, EJ (Mellerowicz, Ewa J.): Expression of fungal acetyl xylan esterase in Arabidopsis thaliana improves saccharification of stem lignocellulose. In: PLANT BIOTECHNOLOGY JOURNAL Volume: 14 Issue: 1 Pages: 387-397, WOS

2. [1.1] Schendel, RR (Schendel, Rachel R.); Puchbauer, AK (Puchbauer, Ann-Katrin); Bunzel, M (Bunzel, Mirko): Glycoside Hydrolase Family 51 alpha-L-Arabinofuranosidases from Clostridium thermocellum and Cellvibrio japonicus Release O-5-Feruloylated Arabinose. In: CEREAL CHEMISTRY Volume: 93 Issue: 6 Pages: 650-653, WOS

ADMB02 KOLLÁROVÁ, Karin - ZELKO, Ivan - HENSELOVÁ, Mária - CAPEK, Peter - LIŠKOVÁ, Desana. Growth and anatomical parameters of adventitious roots formed on mung bean hypocotyls are correlated with galactoglucomannan oligosaccharides structure. In The Scientific World Journal, 2012, vol. 2012, article ID 797815, p. 7. ISSN 1537-744X.

Citácie:

1. [1.2] Moenne, A. (2016). Marine algae oligo-carrageenans (OCs) stimulate growth and defense responses in terrestrial plants. In Research progress in oligosaccharins (Springer, chapter 4, pp. 41-49), SCOPUS

ADMB03 WONG, Dominic W.S. - CHAN, Victor J. - MCCORMACK, Amanda A. - HIRSCH, Ján - BIELY, Peter. Functional cloning and expression of the schizophyllum commune glucuronoyl esterase gene and characterization of the recombinant enzyme. In Biotechnology Research International, 2012, vol. 2012, article ID 951267, 7 pages.

Citácie:

1. [1.1] Baath, JA (Baath, Jenny Arnling); Giummarella, N (Giummarella, Nicola); Klaubauf, S (Klaubauf, Sylvia); Lawoko, M (Lawoko, Martin); Olsson, L (Olsson, Lisbeth): A glucuronoyl esterase from Acremonium alcalophilum cleaves native lignin-carbohydrate ester bonds. In: FEBS LETTERS Volume: 590 Issue: 16 Pages: 2611-2618, WOS

2. [1.1] De Santi, C (De Santi, Concetta); Willassen, NP (Willassen, Nils Peder); Williamson, A (Williamson, Adele): Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. In: PLOS ONE Volume: 11 Issue: 7 Article Number: e0159345, WOS

3. [1.1] Huynh, HH (Hung Hiep Huynh); Arioka, M (Arioka, Manabu): Functional expression and characterization of a glucuronoyl esterase from the fungus Neurospora crassa: identification of novel consensus sequences containing the catalytic triad. In: JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY Volume: 62 Issue: 5 Pages: 217-224, WOS

4. [1.1] Orts, WJ (Orts, W. J.); McMahan, CM (McMahan, C. M.): Biorefinery Developments for Advanced Biofuels from a Sustainable Array of Biomass Feedstocks: Survey of Recent Biomass Conversion Research from Agricultural Research Service. In: BIOENERGY RESEARCH Volume: 9 Issue: 2 Pages: 430-446, WOS

ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNB01 MAROVÁ, Ivana - HARONIKOVÁ, Andrea - PETRIK, Sinisa - DVORÁKOVÁ, Terezie - BREIEROVÁ, Emília. Production of enriched biomass by red yeasts of Sporobolomyces sp. grown on waste substrates. In Journal of Microbiology, Biotechnology and Food Sciences, 2012, vol. 1, p. 534-551. ISSN 1338-5178.

Citácie:

1. [1.1] Singh, G (Singh, Gunjan); Jawed, A (Jawed, Arshad); Paul, D (Paul, Debarati); Bandyopadhyay, KK (Bandyopadhyay, Kalyan K.); Kumari, A (Kumari, Abha); Haque, S (Haque, Shafiul): Concomitant Production of Lipids and Carotenoids in Rhodosporidium toruloides under Osmotic Stress Using Response Surface Methodology. In: FRONTIERS IN MICROBIOLOGY Volume: 7 Article Number: 1686, WOS

ADNB02 MUDRONČEKOVÁ, Silvia - MAZÁŇ, Marián - NEMČOVIČ, Marek - ŠALAMON, Ivan. Entomopathogenic fungus species beauveria bassiana (BALS.) and metarhizium anisopliae

(METSCH.) used as mycoinsecticide effective in biological control of IPS typographus (L.). In Journal of Microbiology, Biotechnology and Food Sciences, 2013, vol. 2, p. 2469-2472. ISSN 1338-5178.

Citácie:

1. [1.1] Kocacevik, S (Kocacevik, Seda); Sevim, A (Sevim, Ali); Eroglu, M (Eroglu, Mahmut); Demirbag, Z (Demirbag, Zihni); Demir, I (Demir, Ismail): Virulence and horizontal transmission of Beauveria pseudobassiana SA Rehner & Humber in Ips sexdentatus and Ips typographus (Coleoptera: Curculionidae). In: TURKISH JOURNAL OF AGRICULTURE AND FORESTRY Volume: 40 Issue: 2 Pages: 241-248, WOS

ADNB03 RAČKOVÁ, Lucia - CUPÁKOVÁ, Mária - ŤAŽKÝ, Anton - MIČOVÁ, Júlia - KOLEK, Emil - KOŠŤÁLOVÁ, Daniela. Redox properties of ginger extracts: Perspectives of use of Zingiber officinale Rosc. as antidiabetic agent. In Interdisciplinary toxicology, 2013, vol. 6, no. 1, p.26-33. ISSN 1337-6853.(ITMS 26240220040 : Hodnotenie prírodných látok a ich výber pre prevenciu a liečbu civilizačných ochorení).

Citácie:

1. [1.1] KARBALAEI, N. - HAMZAVI, G.R. Negative chronotropic and antiarrhythmic effects of ginger (Zingiber officinale) and intermittent fasting on Cacl2 induced-arrhythmia. In RESEARCH JOURNAL OF PHARMACEUTICAL, BIOLOGICAL AND CHEMICAL SCIENCES. ISSN 0975-8585, 2016, vol. 7, no. 1, p. 978-983., WOS

***AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

AEC01 KRMELOVÁ, Vladimíra - SROKOVÁ, Iva - SASINKOVÁ, Vlasta. Surface-active and performance properties of novel hydroxyethylcellulose derivatives. In Modern Polymeric Materials for Environmental Applications : 4th International Seminar. COST MP0701 Workshop. Krakow, 1.-3.12.2010. - Cracow : Cracow University of Technology, 2010, vol. 5, Iss. 1, P. 251-258. ISBN 978-83-930641-1-3.(Modern Polymeric materials for Environmental Applications : International seminar).

Citácie:

1. [1.1] Skalkova, P (Skalkova, Petra); Csomorova, K (Csomorova, Katarina): Preparation of 4-O-methylglucuronoxylan cinnamates. In. 20TH INTERNATIONAL CONFERENCE MACHINE MODELING AND SIMULATIONS, MMS 2015 Book Series Title: Procedia Engineering Volume: 136 Pages: 328-335, WOS

AEC02 ŠOLTÉS, Ladislav - KOGAN, Grigorij. Impact of transition metals in the free-radical degradation of hyaluronan bioplymer. In Kinetics and thermodynamics for chemistry and biochemistry : (a festschrift in honor of the 75th birthday of professor Gennady E. Zaikov). Vol. 2. Editor Eli M. Pearce, Gennady Efremovich Zaikov, Gerald Kirshenbaum. - Hauppauge : Nova Science Publishers, 2009, chapter 19. P. 181 - 199. ISBN 978-1-60692-352-8.

Citácie:

1. [3.1] PONIST, S. - SLOVAK, L. - FEDOROVA, T. - DRAFI, F. - RACKOVA, L. - VALACHOVA, K. - BAUEROVA, K. Protective effects of carnosine and its derivative trolox-carnosine against inflammation and oxidative stress in experimental arthritis, carrageenan induced hind paw edema, chondrocytes under H2O2 injury and degradation of hyaluronan. (Book chapter 5). In Wells D. edit. CARNOSINE: PHYSIOLOGICAL EFFECTS AND RESEARCH INSIGHTS. Nova Science Publisher; New York 2016, p. 159-191. ISBN 978-1-53610-153-9.

AEC03 VALACHOVÁ, Katarína - KOGAN, Grigorij - GEMEINER, Peter - ŠOLTÉS, Ladislav. Hyaluronan degradation by ascorbate: protective effects of manganese(II) chloride. In Kinetics and thermodynamics for chemistry and biochemistry : (a festschrift in honor of the 75th birthday of professor Gennady E. Zaikov). Vol. 2. Editor Eli M. Pearce, Gennady Efremovich Zaikov, Gerald Kirshenbaum. - Hauppauge : Nova Science Publishers, 2009, chapter 20. P. 201- 215. ISBN 978-1-60692-352-8.

Citácie:

1. [3.2] OMER, A.M. - TAMER, M. T. - MOHYELDIN, M.S. A review on hyaluronan biopolymer and pharmaceutical applications. (Book chapter 9). In Alexandr A. Berlin, Roman Joswik, Vatin Nikolai Ivanovich eds. The chemistry and Physics of Engineering Materials. Vol. 2: Limitations, Properties, and Models. New York : Apple Academic Press, 2015, p. 337-362. ISBN 978-1-77188-080-0.

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 MOLNÁROVÁ, Jana - VADKERTIOVÁ, Renáta - SLÁVIKOVÁ, Elena - STRATILOVÁ, Eva - ILLKOVÁ, Kateřina. The enzymatic activity of yeasts isolated from plant material. In 39th Annual Conference on Yeast, May 3-6, 2011, Smolenice, Slovakia. Bratislava. - Bratislava : Yeast Commission, Institute of Chemistry SAS, 2011, p. 61. ISSN 1336-4839.

Citácie:
1. [1.1] Khorjuvenkar, Supriya N. Prabhu; Doijad, Swapnil P.; Poharkar, Krupali; Dubal, Zunjar B.; Barbuddhe, Sukhadeo B.: Antimicrobial Activity of a Novel Pichia membranifaciens Strain Isolated from Naturally Fermented Cashew Apple Juice. In: Proceedings of the Indian National Science Academy Part B Biological Sciences Volume: 86 Issue: 1 Pages: 125-129, WOS

AFK Postery zo zahraničných konferencií

AFK01 HRICOVÍNIOVÁ, Zuzana - MEDVEĎOVÁ, Alžbeta - VALÍK, Ľubomír - HRICOVÍNI, Miloš. An efficient synthesis of novel L-rhamnose based non-ionic surfactants under controlled microwave irradiation. In 18th European Carbohydrate Symposium. Program and Abstracts. EUROCARB 18, Moscow 2015, August 2-6, 2015. - Moskva, 2015, p-075, p. 61.

Citácie:
1. [1.1] Kovensky, J (Kovensky, Jose); Grand, E (Grand, Eric): Recent Advances in the Synthesis of Sugar-based Surfactants. In: BIOMASS SUGARS FOR NON-FUEL APPLICATIONS Book Series Title: RSC Green Chemistry Series Issue: 44 Pages: 159-204, WOS
2. [1.1] Zhao, TH (Zhao, Tian-Hong); Gu, JY (Gu, Jiong-Yi); Pu, WF (Pu, Wan-Fen); Dong, ZM (Dong, Zhi-Ming); Liu, R (Liu, Rui): Study on the synthesis and properties of an eco-friendly sugar-based anionic-nonionic surfactant: RSC ADVANCES Volume: 6 Issue: 74 Pages: 70165-70173, WOS