

**Institute of Chemistry
Slovak Academy of Sciences**



**Research output and citations
2006**

**Bratislava
January 2007**

Contents

Scientific output – bibliography data	1
Citations in 2005 and supplement 2004	12

Scientific output – bibliography data

Chapters in scientific monographs published abroad:

- KÁKONIOVÁ, D. - MÚČKOVÁ, M. - MALIAROVÁ, M. - KULIKOVÁ, Z. Biotechnological production of secondary metabolites by *Taxus baccata* L. *in vitro*. In TEIXEIRA DA SILVA, J.A. *Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues*. First Edition. Isleworth: Global Science Books Ltd, 2006, vol. 4, chapter 49. ISBN 4-903313-09-3. p. 449-453.
- KOŠÍKOVÁ, B. - LÁBAJ, J. - SLAMEŇOVÁ, D. - SLÁVIKOVÁ, E. - GREGOROVÁ, A. Novel environmentally friendly use of lignin biomass component. In BRENES, M.D. *Biomass and Bioenergy: New Research*. New York: Nova Science Publishers Inc, 2006, ISBN 1-59454-865-X. p. 169-200.
- LIŠKOVÁ, D. - CAPEK, P. - KOLLÁROVÁ, K. - SLOVÁKOVÁ, L. - KÁKOŠOVÁ, A. The potential of carbohydrates in plant growth regulation. In TEIXEIRA DA SILVA, J.A. *Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues*. First Edition. Isleworth: Global Science Books Ltd, 2006, vol. 1, chapter 41. ISBN 4-903313-00-X. p. 373-378.
- MARTINKA, M - LUX, A. Intraspecific variation of *Silene dioica* L. Uptake and translocation of cadmium related to endodermal development. In TEIXEIRA DA SILVA, J.A. *Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues*. First Edition. Isleworth: Global Science Books Ltd, 2006, vol. 3, chapter 33. ISBN 4-903313-06-9. p. 312-316.
- NAVRÁTIL, M. - ŠVITEL, J. - GEMEINER, P. Bioluminescence in immobilized cells for biomass detection and biosensor applications. In GUISAN, J.M. *Immobilization of Enzymes and Cells*. Totowa, New Jersey: Humana Press, 2006, series: Methods in Biotechnology. ISBN 1-58829-290-8. Chapter 34, p. 393-401.
- NOSÁĽOVÁ, G. - CAPEK, P. - ŠUTOVSKÁ, M. - FRAŇOVÁ, S. - MATULOVÁ, M. Antitussive active polysaccharides from ornamental-medicinal plants. In TEIXEIRA DA SILVA, J.A. *Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues*. First Edition. London: Global Science Books Ltd, 2006, vol. 4, chapter 52. ISBN 4-903313-09-3. p. 472-481.
- TVAROŠKA, I. Molecular modeling of retaining glycosyltransferases. In VLIEGENTHART, J.F.G. - WOODS, R.J. *ACS Symposium Series 930: NMR Spectroscopy and Computer Modeling of Carbohydrates - Recent Advances*. Washington, DC: American Chemical Society, 2006. ISBN 978-0-8412-3953-1. Chapter 16, p. 285-301.

Publications in journals indexed by Current Contents:

- AIT MOHAND, F. - FARKAŠ, V. Screening for hetero-transglycosylating activities in extracts from nasturtium (*Tropaeolum majus*). In *Carbohydrate Research*. Vol. 341, (2006), p. 577-581. (1.669 – IF2005)

BARAN, R. - KOCHI, H. - SAITO, N. - SUEMATSU, M. - SOGA, T. - NISHIOKA, T. - ROBERT, M. - TOMITA, M. MathDAMP: a package for differential analysis of metabolite profiles. In *BMC Bioinformatics*. Vol. 7, art. no. 530, (2006), p. 1-9. (4.958 – IF2005)

BARÁTH, M. - PETRUŠOVÁ, M. - HIRSCH, J. - PETRUŠ, L. Synthesis of a 1 α ,4'-di-*O*-allylated, 2,3,2',3'-tetra-*O*-tetradecylated lipid A mimic and its 4-*O*-(4-methoxybenzyl) precursor. In *Collection of Czechoslovak Chemical Communications*. Vol. 71, (2006), p. 1532-1548. (0.949 – IF2005)

BEKEŠOVÁ, S. - KOVÁČIK, V. - CHMELÍK, J. - KOVÁČ, P. Negative electrospray, ion trap multistage mass spectrometry of synthetic fragments of the O-PS of *Vibrio cholerae* O:1. In *European Journal of Mass Spectrometry*. Vol. 12, (2006), p. 43-50. (1.261 – IF2005)

BEŇOVÁ-KÁKOŠOVÁ, A. - DIGONNET, C. - GOUBET, F. - RANOCHA, P. - JAUNEAU, A. - PESQUET, E. - BARBIER, O. - ZHANG, Z. - CAPEK, P. - DUPREE, P. - LIŠKOVÁ, D. - GOFFNER, D. Galactoglucomannans increase cell population density and alter the protoxylem/metaxylem tracheary element ratio in xylogenic cultures of zinnia. In *Plant Physiology*. Vol. 142, (2006), p. 696-709. (6.114 – IF2005)

BIELY, P. - PUCHART, V. Recent progress in the assays of xylanolytic enzymes. In *Journal of the Science of Food and Agriculture*. Vol. 86, (2006), p. 1636-1647. (0.996 – IF2005)

BUČKO, M. - VIKARTOVSKÁ, A. - GEMEINER, P. - LACÍK, I. - KOLLÁRIKOVÁ, G. - MARISON, I.W. *Nocardia tartaricans* cells immobilized in sodium alginate–cellulose sulfate–poly(methylene-co-guanidine)capsules: mechanical resistance and operational stability. In *Journal of Chemical Technology and Biotechnology*. Vol. 81, (2006), p. 500-504. (0.981 – IF2005)

DUDÍKOVÁ, J. - KOLAROVA, N. Extracellular polysaccharides produced by acapsular mutant of *Cryptococcus laurentii*. In *Chemical Papers*. Vol. 60, (2006), p. 69-70. (0.409 – IF2005)

ĎURANA, R. - LACÍK, I. - PAULOVICOVÁ, E. - BYSTRICKÝ, S. 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*. Vol. 63, (2006), p. 72-81. (1.583 – IF2005)

EBRINGEROVÁ, A. Structural diversity and application potential of hemicelluloses. In *Macromolecular Symposia*. Vol. 232, (2006), p. 1-12. (0.913 – IF2005)

GREGOROVÁ, A. - KOŠÍKOVÁ, B. - MORAVČÍK, R. Stabilization effect of lignin in natural rubber. In *Polymer Degradation and Stability*. Vol. 91, (2006), p. 229-233. (1.749 – IF2005)

HRICOVÍNI, M. B3LYP/6-311++G** study of structure and spin–spin coupling constant in methyl 2-*O*-sulfo- α -L-iduronate. In *Carbohydrate Research*. Vol. 341, (2006), p. 2575-2580. (1.669 – IF2005)

HRICOVÍNOVÁ, Z. The effect of microwave irradiation on Mo(VI) catalyzed transformations of reducing saccharides. In *Carbohydrate Research*. Vol. 341, (2006), p. 2131-2134. (1.669 – IF2005)

HRMOVÁ, M. - BURTON, R.A. - BIELY, P. - LAHNSTEIN, J. - FINCHER, G.B. Hydrolysis of (1,4)- β -D-mannans in barley (*Hordeum vulgare L.*) is mediated by the concerted action of (1,4)- β -D-mannan endohydrolase and β -D-mannosidase. In *Biochemical Journal*. Vol. 399, (2006), p. 77-90. (4.224 – IF2005)

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - MALOVÍKOVÁ, A. The structural, molecular and functional properties of lignin-containing beechwood glucuronoxylan. In *Macromolecular Symposia*. Vol. 232, (2006), p. 19-26. (0.913 – IF2005)

JAKUBÍKOVÁ, L. - FARKAŠ, V. - KOLAROVA, N. - NEMČOVIČ, M. Conidiation of *Trichoderma atroviride* isolate during submerged cultivation in a laboratory stirred-tank fermenter. In *Folia Microbiologica*. Vol. 51, (2006), p. 209-213. (0.918 – IF2005)

JAKUBÍKOVÁ, L. - ŠUBÍKOVÁ, V. - NEMČOVIČ, M. - FARKAŠ, V. Selection of natural isolates of *Trichoderma* spp. for biocontrol of *Polymyxa betaee* as a vector of virus causing rhizomania. In *Biologia - section Botany*. Vol. 61, (2006), p. 347-351. (0.240 – IF2005)

KARDOŠOVÁ, A. - MACHOVÁ, E. Antioxidant activity of medicinal plant polysaccharides. In *Fitoterapia*. Vol. 77, (2006), p. 367-373. (0.845 – IF2005)

KATRLÍK, J. - MASTIHUBA, V. - VOŠTIAR, I. - ŠEFČOVIČOVÁ, J. - ŠTEFUCA, V. - GEMEINER, P. Amperometric biosensors based on two different enzyme systems and their use for glycerol determination in samples from biotechnological fermentation process. In *Analytica Chimica Acta*. Vol. 566, (2006), p. 11-18. (2.760 – IF2005)

KLUG-SANTNER, B.G. - SCHNITZHOFER, W. - VRŠANSKÁ, M. - 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*. Vol. 121, (2006), p. 390-401. (2.687 – IF2005)

KOGAN, G. - 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*. Vol. 255, (2006), p. 11-16. (2.057 – IF2005)

KOLENOVÁ, K. - VRŠANSKÁ, M. - BIELY, P. Mode of action of endo- β -1,4-xylanases of families 10 and 11 on acidic xylooligosaccharides. In *Journal of Biotechnology*. Vol. 121, (2006), p. 338-345. (2.687 – IF2005)

KOLLÁROVÁ, K. - LIŠKOVÁ, D. - CAPEK, P. Further biological characteristics of galactoglucomannan oligosaccharides. In *Biologia Plantarum*. Vol. 50, (2006), p. 232-238. (0.792 – IF2005)

KÓŇA, J. - 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 & Biomolecular Chemistry*. Vol. 4, (2006), p. 3468-3478. (2.547 – IF2005)

KOŠÍKOVÁ, B. - LÁBAJ, J. - GREGOROVÁ, A. - SLAMEŇOVÁ, D. Lignin antioxidants for preventing oxidation damage of DNA and for stabilizing polymeric components. In *Holzforschung*. Vol. 60, (2006), p. 166-170. (1.203 – IF2005)

KOŠÍKOVÁ, B. - SLÁVIKOVÁ, E. - LÁBAJ, J. - SLAMEŇOVÁ, D. Biological conversion of lignin waste products from chemical wood treatment into anticarcinogenic preparations. In *Wood Research*. Vol. 51, (2006), p. 41-48. (0.125 – IF2005)

KOVÁČIK, V. - BEKEŠOVÁ, S. - PÄTOPRSTÝ, V. - ŘEHULKA, P. - CHMELÍK, J. - KOVÁČ, P. Positive-ion fragmentation in matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometry of synthetic analogs of the O-specific polysaccharide of *Vibrio cholerae* O:1. In *European Journal of Mass Spectrometry*. Vol. 12, (2006), p. 247-252. (1.261 – IF2005)

KOVÁČIK, V. - BEKEŠOVÁ, S. - TVAROŠKA, I. - KOVÁČ, P. Positive electrospray ion trap multistage mass spectrometric fragmentation of synthetic analogs of saccharide part of lipopolysaccharides of *Vibrio cholerae* O:1. In *Journal of the American Society for Mass Spectrometry*. Vol. 17, (2006), p. 749-756. (3.625 – IF2005)

KOZMON, S. - TVAROŠKA, I. Catalytic mechanism of glycosyltransferases: Hybrid quantum mechanical/molecular mechanical study of the inverting N-acetylglucosaminyl-transferase I. In *Journal of the American Chemical Society*. Vol. 128, (2006), p. 16921-16927. (7.419 – IF2005)

KOZMON, S. - TVAROŠKA, I. DFT study on 3-substituted tetrahydropyran-2-yl radicals. In *Collection of Czechoslovak Chemical Communications*. Vol. 71, (2006), p. 1453-1469. (0.949 – IF2005)

KRIŽKOVÁ, L. - ŽITŇANOVÁ, I. - MISLOVIČOVÁ, D. - MASÁROVÁ, J. - SASINKOVÁ, V. - ĎURAČKOVÁ, Z. - KRAJČOVIČ, J. Antioxidant and antimutagenic activity of mannan neoglycoconjugates: Mannan–human serum albumine and mannan–penicillin G acylase. In *Mutation Research-Genetic Toxicology and Environmental Mutagenesis*. Vol. 606, (2006), p. 72-79. (2.188 – IF2005)

LANGER, V. - GYEPESOVÁ, D. - SCHOLZOVÁ, E. - LUSTOŇ, J. - KRONEK, J. - KOÓŠ, M. 2-(4-Hydroxyphenyl)-4,4-dimethyl-2-oxazoline: X-ray and density functional theory study. In *Acta Crystallographica Section C*. Vol. C62, (2006), p. o416-o418. (0.777 – IF2005)

LANGER, V. - MIČOVÁ, J. - STEINER, B. - KOÓŠ, M. 2-(Benzimidazol-2-ylsulfanyl)butanoic acid. In *Acta Crystallographica Section E*. Vol. E62, (2006), p. o2138-o2140. (0.581 – IF2005)

LATTOVÁ, E. - KAPKOVÁ, P. - KROKHIN, O. - PERRAULT, H. Method for investigation of oligosaccharides from glycopeptides: Direct determination of glycosylation sites in proteins. In *Analytical Chemistry*. Vol. 78, (2006), p. 2977-2984. (5.635 – IF2005)

LAZAROVÁ, M. - LÁBAJ, J. - ECKL, P. - KOGAN, G. - SLAMEŇOVÁ, D. Effects of dietary intake of a fungal β-D-glucan derivative on the level of DNA damage induced in

primary rat hepatocytes by various carcinogens. In *Nutrition and Cancer*. Vol. 56, (2006), p. 113-122. (2.426 – IF2005)

LAZAROVÁ, M. - LÁBAJ, J. - KOGAN, G. - SLAMEŇOVÁ, D. Carboxymethyl chitin-glucan enriched diet exhibits protective effects against oxidative DNA damage induced in freshly isolated rat cells. In *Neoplasma*. Vol. 53, (2006), p. 434-439. (0.731 – IF2005)

MACEKOVÁ, D. - FARKAŠ, V. - KISHIDA, E. - TAKEO, K. Ecto-glycanases and metabolic stability of the capsule in *Cryptococcus neofomans*. In *Journal of Basic Microbiology*. Vol. 46, (2006), p. 470-479. (1.000 – IF2005)

MASTIHUBOVÁ, M. - MASTIHUBA, V. - BILANIČOVÁ, D. - BOREKOVÁ, M. Commercial enzyme preparations catalyse feruloylation of glycosides. In *Journal of Molecular Catalysis B: Enzymatic*. Vol. 38, (2006), p. 54-57. (1.685 – IF2005)

MASTIHUBOVÁ, M. - SZEMESOVÁ, J. - BIELY, P. The acetates of *p*-nitrophenyl α-L-arabinofuranoside—Regioselective preparation by action of lipases. In *Bioorganic & Medicinal Chemistry*. Vol. 14, (2006), p. 1805-1810. (2.286 – IF2005)

MAZÁŇ, M. - MAZÁŇOVÁ, K. - FARKAŠ, V. Bunková stena húb – výzva pre výskum nových antimykotík. In *Chemické Listy*. Vol. 100, (2006), p. 433-439. (0.445 – IF2005)

MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - NAĎOVÁ, S. - RAUKO, P. - KOGAN, G. Diverse biomodulatory effects of glucomannan from *Candida utilis*. In *Toxicology in Vitro*. Vol. 20, (2006), p. 649-657. (1.754 – IF2005)

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - BUČKO, M. - GEMEINER, P. Stability of penicillin G acylase modified with various polysaccharides. In *Enzyme and Microbial Technology*. Vol. 39, (2006), p. 579-585. (1.705 – IF2005)

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - HOSTINOVÁ, E. - GAŠPERÍK, J. - GEMEINER, P. Modulation of biorecognition of glucoamylases with Concanavalin A by glycosylation via recombinant expression. In *International Journal of Biological Macromolecules*. Vol. 39, (2006), p. 286-290. (1.684 – IF2005)

MLČOCHOVÁ, P. - BYSTRICKÝ, S. - STEINER, B. - MACHOVÁ, E. - KOÓŠ, M. - VELEBNÝ, V. - KRČMÁŘ, M. Synthesis and characterization of new biodegradable hyaluronan alkyl derivatives. In *Biopolymers*. Vol. 81, (2006), p. 74-79. (2.545 – IF2005)

NAHÁLKA, J. - GEMEINER, P. Thermoswitched immobilization – A novel approach in reversible immobilization. In *Journal of Biotechnology*. Vol. 123, (2006), p. 478-482. (2.687 – IF2005)

NAHÁLKA, J. - GEMEINER, P. - BUČKO, M. - WANG, P.G. Bioenergy beads: A tool for regeneration of ATP/NTP in biocatalytic synthesis. In *Artificial Cells, Blood Substitutes, and Biotechnology*. Vol. 34, (2006), p. 515-521. (0.686 – IF2005)

NOVÁKOVÁ, S. - KLAUDINY, J. - KOLLEROVÁ, E. - ŠUBR, Z.W. Expression of a part of the *Potato virus A* non-structural protein P3 in *Escherichia coli* for the purpose of antibody

preparation and P3 immunodetection in plant material. In *Journal of Virological Methods*. Vol. 137, (2006), p. 229-235. (1.886 – IF2005)

PAULOVICOVÁ, E. - MACHOVÁ, E. - HOŠTACKÁ, A. - BYSTRICKÝ, S. Immunological properties of complex conjugates based on *Vibrio cholerae* O1 Ogawa lipopolysaccharide antigen. In *Clinical and Experimental Immunology*. Vol. 144, (2006), p. 521-527. (2.805 – IF2005)

PERI, F. - MARINZI, C. - BARÁTH, M. - GRANUCCI, F. - URBANO, M. - NICOTRA, F. Synthesis and biological evaluation of novel lipid A antagonists. In *Bioorganic & Medicinal Chemistry*. Vol. 14, (2006), p. 190-199. (2.286 – IF2005)

PETRÁSKOVÁ, L. - CHARVÁTOVÁ, A. - PŘIKRYLOVÁ, V. - KRISTOVÁ, V. - RAUVOLFOVÁ, J. - MARTÍNKOVÁ, L. - JIMÉNEZ-BARBERO, J. - ABOITIZ, N. - PETRUŠ, L. - KŘEN, V. Preparative production and separation of 2-acetamido-2-deoxymannopyranoside-containing saccharides using borate-saturated polyolic exclusion gels. In *Journal of Chromatography A*. Vol. 1127, (2006), p. 126-136. (3.096 – IF2005)

PETRUŠOVÁ, M. - VOJTECH, M. - PŘIBULOVÁ, B. - LATTOVÁ, E. - MATULOVÁ, M. - POLÁKOVÁ, M. - BEMILLER, J.N. - KŘEN, V. - PETRUŠ, L. Extension of the Nef reaction to C-glycosylnitromethanes. In *Carbohydrate Research*. Vol. 341, (2006), p. 2019-2025. (1.669 – IF2005)

PUCHART, V. - GARIÉPY, M.-C. - SHARECK, F. - DUPONT, C. Identification of catalytically important amino acid residues of *Streptomyces lividans* acetylxyan esterase A from carbohydrate esterase family 4. In *Biochimica et Biophysica Acta - Proteins and Proteomics*. Vol. 1764, (2006), p. 263-274. (2.980 – IF2005)

RYCHLÝ, J. - ŠOLTÉS, L. - STANKOVSKÁ, M. - JANIGOVÁ, I. - CSOMOROVÁ, K. - SASINKOVÁ, V. - KOGAN, G. - GEMEINER, P. Unexplored capabilities of chemiluminescence and thermoanalytical methods in characterization of intact and degraded hyaluronans. In *Polymer Degradation and Stability*. Vol. 91, (2006), p. 3174-3184. (1.749 – IF2005)

SADOVSKAYA, I. - CHAIGNON, P. - KOGAN, G. - CHOKR, A. - VINOGRADOV, E. - JABBOURI, S. Carbohydrate-containing components of biofilms produced *in vitro* by some staphylococcal strains related to orthopaedic prosthesis infections. In *FEMS Immunology and Medical Microbiology*. Vol. 47, (2006), p. 75-82. (2.371 – IF2005)

SCHWIKAL, K. - HEINZE, T. - EBRINGEROVÁ, A. - PETZOLD, K. Cationic xylan derivatives with high degree of functionalization. In *Macromolecular Symposia*. Vol. 232, (2006), p. 49-56. (0.913 – IF2005)

SKALKOVÁ, P. - SROKOVÁ, I. - SASINKOVÁ, V. - EBRINGEROVÁ, A. Polymeric surfactants from beechwood glucuronoxyan. In *Tenside Surfactants Detergents*. Vol. 43, (2006), p. 137-141. (0.566 – IF2005)

SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - BARTKOVÁ, M. - KRAJČOVIČOVÁ, Z. - LÁBAJ, J. - KOŠÍKOVÁ, B. - MAŠTEROVÁ, I. Reduction of DNA-damaging effects of

anti-HIV drug 3'-azido-3'-dideoxythymidine on human cells by ursolic acid and lignin biopolymer. In *Neoplasma*. Vol. 53, (2006), p. 485-491. (0.731 – IF2005)

SMRČOK, L. - SLÁDKOVIČOVÁ, M. - LANGER, V. - WILSON, C.C. - KOÓŠ, M. On hydrogen bonding in 1,6-anhydro- β -D-glucopyranose (levoglucosan): X-ray and neutron diffraction and DFT study. In *Acta Crystallographica Section B*. Vol. B62, (2006), p. 912-918. (1.910 – IF2005)

STANKOVSKÁ, M. - HRABÁROVÁ, E. - VALACHOVÁ, K. - MOLNÁROVÁ, M. - GEMEINER, P. - ŠOLTÉS, L. The degradative action of peroxynitrite on high-molecular-weight hyaluronan. In *Neuroendocrinology Letters*. Vol. 27, Suppl. 2, (2006), p. 31-34. (1.005 – IF2005)

STRATILOVÁ, E. - DZÚROVÁ, M. - BREIEROVÁ, E. - MALOVÍKOVÁ, A. - OMELKOVÁ, J. The life style of *Aureobasidium pullulans* and the multiple forms of its polygalacturonase. In *Biologia (Bratislava)*. Vol. 61, (2006), p. 257-262. (0.240 – IF2005)

STRATILOVÁ, E. - DZÚROVÁ, M. - BREIEROVÁ, E. - OMELKOVÁ, J. Production and biochemical characterization of polygalacturonases produced by *Aureobasidium pullulans* from forest soil. In *Annals of Microbiology*. Vol. 56, (2006), p. 35-40. (0.532 – IF2005)

ŠIMKOVIC, I. - CSOMOROVÁ, K. Thermogravimetric analysis of agricultural residues: oxygen effect and environmental impact. In *Journal of Applied Polymer Science*. Vol. 100, (2006), p. 1318-1322. (1.072 – IF2005)

ŠOLTÉS, L. - BREZOVÁ, V. - STANKOVSKÁ, M. - KOGAN, G. - GEMEINER, P. Degradation of high-molecular-weight hyaluronan by hydrogen peroxide in the presence of cupric ions. In *Carbohydrate Research*. Vol. 341, (2006), p. 639-644. (1.669 – IF2005)

ŠOLTÉS, L. - MENDICHI, R. - KOGAN, G. - SCHILLER, J. - STANKOVSKÁ, M. - ARNHOLD, J. Degradative action of reactive oxygen species on hyaluronan. In *Biomacromolecules*. Vol. 7, (2006), p. 659-668. (3.618 – IF2005)

ŠOLTÉS, L. - STANKOVSKÁ, M. - BREZOVÁ, V. - SCHILLER, J. - ARNHOLD, J. - KOGAN, G. - GEMEINER, P. Hyaluronan degradation by copper(II) chloride and ascorbate: rotational viscometric, EPR spin-trapping, and MALDI-TOF mass spectrometric investigations. In *Carbohydrate Research*. Vol. 341, (2006), p. 2826-2834. (1.669 – IF2005)

ŠPÁNIKOVÁ, S. - BIELY, P. Glucuronoyl esterase – Novel carbohydrate esterase produced by *Schizophyllum commune*. In *FEBS Letters*. Vol. 580, (2006), p. 4597-4601. (3.415 – IF2005)

ŠTEFUCA, V. - VOŠTIAR, I. - ŠEFČOVIČOVÁ, J. - KATRLÍK, J. - MASTIHUBA, V. - GREIFOVÁ, M. - GEMEINER, P. Development of enzyme flow calorimeter system for monitoring of microbial glycerol conversion. In *Applied Microbiology and Biotechnology*. Vol. 72, (2006), p. 1170-1175. (2.586 – IF2005)

ŠVITEL, J. - TKÁČ, J. - VOŠTIAR, I. - NAVRÁTIL, M. - ŠTEFUCA, V. - BUČKO, M. - GEMEINER, P. Gluconobacter in biosensors: applications of whole cells and enzymes

isolated from *gluconobacter* and *acetobacter* to biosensor construction. In *Biotechnology Letters*. Vol. 28, (2006), p. 2003-2010. (1.108 – IF2005)

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, V. - FERREIRA, L.M.A. - FONTES, C.M.G.A. - BIELY, P. - DAVIES, G.J. Structure and activity of two metal ion-dependent acetylxyran esterases involved in plant cell wall degradation reveals a close similarity to peptidoglycan deacetylases. In *Journal of Biological Chemistry*. Vol. 281, (2006), p. 10968-10975. (5.854 – IF2005)

TKÁČ, J. - 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*. Vol. 8, (2006), p. 899-903. (3.388 – IF2005)

VADKERTIOVÁ, R. - SLÁVIKOVÁ, E. Metal tolerance of yeasts isolated from water, soil and plant environments. In *Journal of Basic Microbiology*. Vol. 46, (2006), p. 145-152. (1.000 – IF2005)

VALACH, M. - NAVRÁTIL, M. - HORVÁTHOVÁ, V. - ŽIGOVÁ, J. - ŠTURDÍK, E. - HRABÁROVÁ, E. - GEMEINER, P. Efficiency of a fixed-bed and a gas-lift three-column reactor for continuous production of ethanol by pectate- and alginate-immobilized *Saccharomyces cerevisiae* cells. In *Chemical Papers*. Vol. 60, (2006), p. 154-159. (0.409 – IF2005)

VLČKOVÁ, V. - NAĎOVÁ, S. - DÚHOVÁ, V. - ZÁVODNÁ, K. - MORÁNOVÁ, Z. - RAUKO, P. - KOGAN, G. - MIADOKOVÁ, E. Natural microbial polysaccharide sulphoethyl glucan as antigenotoxic and cancer preventing agent. In *Neoplasma*. Vol. 53, (2006), p. 524-529. (0.731 – IF2005)

VODENIČAROVÁ, M. - DŘÍMALOVÁ, E. - HROMÁDKOVÁ, Z. - MALOVÍKOVÁ, A. - EBRINGEROVÁ, A. Xyloglucan degradation using different radiation sources: A comparative study. In *Ultrasonics Sonochemistry*. Vol. 13, (2006), p. 157-164. (1.953 – IF2005)

ZEKOVIČ, D. - RADULOVIČ, M. - NASTASIVIČ, A. - VRVIČ, M.M. - JAKOVLJEVIČ, D. - KOGAN, G. Mild Pfitzner–Moffat oxidation of the (1→3)- β -D-glucan from *Saccharomyces cerevisiae*. In *Chemical Papers*. Vol. 60, (2006), p. 243-248. (0.409 – IF2005)

Publications in journals indexed in other databases:

KOLAŘÍK, M. - SLÁVIKOVÁ, E. - PAŽOUTOVÁ, S. The taxonomic and ecological characterisation of the clinically important heterobasidiomycete *Fugomyces cyanescens* and its association with bark beetles. In *Czech Mycology*. Vol. 58, (2006), p. 81-98. (Indexed in CAB Abstracts, Biological Abstracts, Chemical Abstracts, EMBASE, ...)

MINÍKOVÁ, S. - SROKOVÁ, I. - EBRINGEROVÁ, A. Príprava polymérnych tenzidov z hydroxyetylcelulózy. In *Vlákná a textil*. Roč. 13, č. 1-2 (2006), p. 38-43.

(Indexed in Chemical Abstracts, World Textile Abstracts, EMBASE, ...)

Scientific publications in other journals:

DERGUNOVA, M.A. - ZHANAEVA, S.Ya. - FILUSHINA, E.E. - BUZUEVA, I.I. - KOLESNIKOVA, O.P. - KOGAN, G. - KOROLENKO, T.A. Features of new chemically modified β -1,3-D-glucans as macrophage stimulators. In *Bulletin of the Russian Academy of Medical Sciences Siberian Branch*. No. 1, (2006), p. 77-81.

Publications in proceedings of international scientific conferences:

EBRINGEROVÁ, A. - SKALKOVÁ, P. - SROKOVÁ, I. - SASINKOVÁ, V. - MALOVÍKOVÁ, A. - HROMÁDKOVÁ, Z. Polymeric biosurfactants from beechwood 4-O-methylglucuronoxylan. In *Proceedings: 9th European Workshop on Lignocellulosics and Pulp (EWLP 2006) „Advances in Chemistry and Processing of Lignocellulosics“*, 27-30 August 2006, Vienna, Austria. Vienna: Department of Chemistry, University of Natural Resources and Applied Life Sciences (BOKU), 2006. CD-Rom. p. 243-246.

GREGOROVÁ, A. - KOŠÍKOVÁ, B. Lignin biopolymer in stabilization of polymer composites. In *Book of Abstracts: 20th Bratislava International Conference on Macromolecules „Advanced Polymeric Materials (APM-2006)“*, 11-15 June 2006, Bratislava. Bratislava: Polymer Institute of the Slovak Academy of Sciences and Slovak Chemical Society, 2006. ISBN 80-968433-3-8. SL-6, p. 102-103.

KOŠÍKOVÁ, B. - LÁBAJ, J. - GREGOROVÁ, A. - SLAMEŇOVÁ, D. Reduction of genotoxic effect of carcinogens and oxidative damage of polyolefins by lignin preparations. In *Proceedings: 9th European Workshop on Lignocellulosics and Pulp (EWLP 2006) „Advances in Chemistry and Processing of Lignocellulosics“*, 27-30 August 2006, Vienna, Austria. Vienna: Department of Chemistry, University of Natural Resources and Applied Life Sciences (BOKU), 2006. CD-Rom. p. 319-322.

KOŠÍKOVÁ, B. - LÁBAJ, J. - SLAMEŇOVÁ, D. Nové antikarcinogénne zlúčeniny z biomasy. In KOLLÁTH, Ľ. - HORVÁT, M. *TOP 2006-Technika ochrany prostredia: zborník z medzinárodnej konferencie, 28.-30. jún 2006, Častá-Papiernička*. Bratislava: Slovenská technická univerzita v Bratislave, 2006. ISBN 80-227-2436-X. s. 233-238.

KOŠÍKOVÁ, B. - SLÁVIKOVÁ, E. - GREGOROVÁ, A. Lignin - initiator of polyolefin degradation in the environment. In VELKOVÁ, V. - SAMEŠOVÁ, D. *1st International Scientific Conference „Earth in a trap?“*, 26-28 April 2006, Kráľová. ISBN 80-228-1553-5. CD-Rom. p. 351-355.

KUKUROVÁ, K. - KOHAJDOVÁ, Z. - KAROVIČOVÁ, J. - ŠPÁNIK, I. - MASTIHUBA, V. - LEHKOŽIVOVÁ, J. - GREIF, G. Analytické hodnotenie medov. In GÁLOVÁ, Z. - TANČINOVÁ, D. - GREGÁNOVÁ, Ž. *Zborník vedeckých prác z II. vedeckej konferencie s medzinárodnou účasťou „Bezpečnosť a kvalita potravín a surovín“*, 9. november 2006, Nitra. Nitra: Oršuľa Peter, Fakulta biotechnológie a potravinárstva Slovenskej polnohospodárskej univerzity. ISBN 80-8069-761-1. CD-Rom. p. 298-302.

KUKUROVÁ, K. - KOHAJDOVÁ, Z. - KAROVIČOVÁ, J. - ŠPÁNIK, I. - MASTIHUBA, V. - LEHKOŽIVOVÁ, J. - GREIF, G. Porovnanie metód na stanovenie HMF vo vzorkách medov. In GÁLOVÁ, Z. - TANČINOVÁ, D. - GREGÁŇOVÁ, Ž. *Zborník vedeckých prác z II. vedeckej konferencie s medzinárodnou účasťou „Bezpečnosť a kvalita potravín a surovín“, 9. november 2006, Nitra*. Nitra: Oršuľa Peter, Fakulta biotechnológie a potravinárstva SPU. ISBN 80-8069-761-1. CD-Rom. p. 303-307.

NAĎOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - PRAŽMÁRIOVÁ, E. - ŠPINEROVÁ, L. - KOGAN, G. - RAUKO, P. - MIADOKOVÁ, E. The evaluation of biomodulatory effects of natural compounds. In TOPINKA, J. 29. *Pracovní dny České a Slovenské společnosti pro mutagenezu zevním prostředím Československé biologické spoločnosti: Aktuální problematika genetické toxikologie, 2.-4. květen 2006, Brno, Česká republika*. Brno: Národní centrum ošetřovatelství a nelékařských zdravotnických oborů, 2006. ISBN 80-7013-438-0. s. 51-54.

SROKOVÁ, I. - ČÍŽOVÁ, A. - SASINKOVÁ, V. - HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. Microwave-assisted transesterification of O-(carboxymethyl)starch. In PIELICHOWSKI, K. *Modern polymeric materials for environmental applications: Proceedings of the 2nd International Seminar, 23-25 March 2006, Kraków, Poland*. Vol. 2. Kraków: Wydawnictwo DjaF, 2006. ISBN 83-86774-45-2. p. 31-36.

STARUCH, L. - SCHMIDT, Š. - SEKRETÁR, S. - GREIF, G. - MASTIHUBA, V. - GREIFOVÁ, M. Spotrebiteľský test kozieho syra. In ŠTĚTINA, J. - ČURDA, L. *Výsledky přehlídka a sborník přednášek semináře „Celostátní přehlídka sýrů 2006, Leden 2006, Praha, Česká republika*. Praha: VŠCHT, 2006. ISBN 80-7080-620-6. p. 131-135.

YUROVSKIKH, M.A. - PESTOV, A.V. - KOGAN, G. - SKORIK, Y.A. - YATLUK, Y.G. Sorption properties of the modified chitin-glucans. In SE-KWON KIM - HONG KYOON NO - RO-DONG PARK. *Advances in chitin science and technology: Proceedings of the 7th Asia-Pacific Chitin and Chitosan Symposium, 23-26 April 2006, Busan, Korea*. Seoul: Hanrimwon Printing Co. Ltd., 2006. ISBN 89-5708-110-0. p. 60-63.

Publications in proceedings of national scientific conferences:

ŠUTOVSKÁ, M. - NOSÁĽOVÁ, G. - KARDOŠOVÁ, A. - CAPEK, P. Vzťah chemickej štruktúry a antitusického účinku rastlinných substancií. In ŠVEC, P. *Pokroky vo farmakológii-1*. Bratislava: Peter Mačura-PEEM, 2006. ISBN 80-89197-49-3. p. 56-61. (Zborník prác z konferencie „10. Švecov memoriál“)

International journals edited/published by the Institute of Chemistry:

Chemical Papers (Chemické Zvesti)
Editor/Publisher: Institute of Chemistry, SAS and Slovak Academic Press; 6 issues/year.
ISSN: 0336-6352 (Print), 1336-9075 (Online).

Edited proceedings from international scientific conferences:

34rd Annual Conference on Yeasts: Programme and Abstracts, May 10-12, 2006, Smolenice.
Bratislava: Institute of Chemistry SAS, 2006, 90 p. ISSN 1336-4839.

CITATIONS IN 2005 AND SUPPLEMENT 2004

Citations from WOS (Web of Science)

Citations from other database

Citations in monographs, proceedings and other publications

ALBERT, Š. - BHATTACHARYA, D. - KLAUDINY, J. - SCHMITZOVÁ, J. - ŠIMÚTH, J. The family of major royal jelly proteins and its evolution. In *Journal of Molecular Evolution*. Vol. 49, (1999), p. 290-297.

Citácie z WOS: 2

1. Robinson GE; Grozinger CM; Whitfield CW
NATURE REVIEWS GENETICS 2005, Vol 6, pp 257-270
2. Imjongjirak C; Klinbunga S; Sittipraneed S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57

ALBERT, Š. - KLAUDINY, J. The MRJP/YELLOW protein family of *Apis mellifera*: Identification of new members in the EST library. In *Journal of Insect Physiology*. Vol. 50, (2004), p. 51-59.

Citácie z WOS: 2

1. Peiren N; Vanrobaeys F; de Graaf DC; Devreese B; Van Beeumen J; Jacobs FJ
BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS 2005, Vol 1752, pp 1-5
2. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776

ALBERT, Š. - KLAUDINY, J. - ŠIMÚTH, J. Molecular characterization of MRJP3, highly polymorphic protein of honeybee (*Apis mellifera*) royal jelly. In *Insect Biochemistry and Molecular Biology*. Vol. 29, (1999), p. 427-434.

Citácie z WOS: 3

1. Salazar-Olivo LA; Paz-Gonzalez V
TOXICOLOGY IN VITRO 2005, Vol 19, pp 645-651
2. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776
3. Imjongjirak C; Klinbunga S; Sittipraneed S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57

ALBRECHT, C. - VON DER KAMMER, H. - MAYHAUS, M. - KLAUDINY, J. - SCHWEIZER, M. - NITSCH, R.M. Muscarinic acetylcholine receptors induce the expression of the immediate early growth regulatory gene CYR61. In *Journal of Biological Chemistry*. Vol. 275, (2000), p. 28929-28936.

Citácie z WOS: 3

1. Berra A; Ganzinelli S; Saravia M; Borda E; Sterin-Borda L
VISUAL NEUROSCIENCE 2005, Vol 22, pp 371-377
2. Friedrichsen S; Heuer H; Christ S; Cuthill D; Bauer K; Raivich G

- GROWTH FACTORS 2005, Vol 23, pp 43-53
 3. Borda E; Berra A; Saravia M; Ganzinelli S; Sterin-Borda L
 EXPERIMENTAL EYE RESEARCH 2005, Vol 80, pp 391-399

ALEXY, P. - KOŠÍKOVÁ, B. - PODSTRÁNSKA, G. The effect of blending lignin with polyethylene and polypropylene on physical properties. In *Polymer*. Vol. 41, (2000), p. 4901-4908.

Citácie z WOS: 4

1. Sailaja RRN
POLYMER INTERNATIONAL 2005, Vol 54, pp 1589-1598
2. Morais LC; Curvelo AAS; Zambon MD
CARBOHYDRATE POLYMERS 2005, Vol 62, pp 104-112
3. Thielemans W; Wool RP
BIOMACROMOLECULES 2005, Vol 6, pp 1895-1905
4. Silva MF; da Silva CA; Fogo FC; Pineda EAG; Hechenleitner AAW
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2005, Vol 79, pp 367-370

ALTANER, C. - SAAKE, B. - TENKANEN, M. - EYZAGUIRRE, J. - FAULDS, C.B. - BIELY, P. - VIIKARI, L. - SIIKA-AHO, M. - PULS, J. Regioselective deacetylation of cellulose acetates by acetyl xylan esterases of different CE-families. In *Journal of Biotechnology*. Vol. 105, (2003), p. 95-104.

Citácie z WOS: 1

1. Klemm D; Heublein B; Fink HP; Bohn A
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 2005, Vol 44, pp 3358-3393

AN, P. - INANAGA, S. - KAFKAFI, U. - LUX, A. - SUGIMOTO, Y. Different effect of humidity on growth and salt tolerance of two soybean cultivars. In *Biologia Plantarum*. Vol. 44, (2001), p. 405-410.

Citácie z WOS: 1

1. Papiernik SK; Grieve CM; Lesch SM; Yates SR
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS 2005, Vol 36, pp 951-967

AN, P. - INANAGA, S. - LUX, A. - LI, X.J. - ALI, M.E.K. - MATSUI, T. - SUGIMOTO, Y. Effects of salinity and relative humidity on two melon cultivars differing in salt tolerance. In *Biologia Plantarum*. Vol. 45, (2002), p. 409-415.

Citácie z WOS: 3

1. Sivritepe HO; Sivritepe N; Eris A; Turhan E
SCIENTIA HORTICULTURAE 2005, Vol 106, pp 568-581
2. Backhausen JE; Klein M; Klocke M; Jung S; Scheibe R
PLANT SCIENCE 2005, Vol 169, pp 229-237
3. Suarez N
BIOLOGIA PLANTARUM 2005, Vol 49, pp 111-116

ANTAL, M. - EBRINGEROVÁ, A. - ŠIMKOVIC, I. New aspects in cationization of lignocellulose materials. 1. Preparation of lignocellulose materials containing quarternary ammonium groups. In *Journal of Applied Polymer Science*. Vol. 29, (1984), p. 637-642.

Citácie z WOS: 4

1. Marshall WE; Wartelle LH

- JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY 2004, Vol 79, pp 1286-1292
2. Joshi M; Bansal R; Purwar R
INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH 2004, Vol 29, pp 239-259
 3. Tshabalala MA; Karthikeyan KG; Wang D
JOURNAL OF APPLIED POLYMER SCIENCE 2004, Vol 93, pp 1577-1583
 4. Lim H; Kim S; Lee SM; Byun J; Ryoo S; Lee YS; Yoon J
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 2003, Vol 9, pp 433-439

ANTAL, M. - EBRINGEROVÁ, A. - ŠIMKOVIC, I. New aspects in cationization of lignocellulose materials. 1. Distribution of functional groups in lignin, hemicellulose, and cellulose components. In *Journal of Applied Polymer Science*. Vol. 29, (1984), p. 643-650.

Citácie z WOS: 2

1. Marshall WE; Wartelle LH
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY 2004, Vol 79, pp 1286-1292
2. Lim H; Kim S; Lee SM; Byun J; Ryoo S; Lee YS; Yoon J
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 2003, Vol 9, pp 433-439

ANTONOV, Y.A. - LASHKO, N.P. - GLOTOVA, Y.K. - MALOVÍKOVÁ, A. - MARKOVIČ, O. Effect of the structural features of pectins and alginates on their thermodynamic compatibility with gelatin in aqueous media. In *Food Hydrocolloids*. Vol. 10, (1996), p. 1-9.

Citácie z WOS: 3

1. Lahajnar N; Rixen T; Gaye-Haake B; Schafer P; Ittekkot V
DEEP-SEA RESEARCH PART II-TOPICAL STUDIES IN OCEANOGRAPHY 2005, Vol 52, pp 1947-1964
2. Schwarz J; Rendle-Buhring R
SEDIMENTARY GEOLOGY 2005, Vol 175, pp 153-167
3. Einhorn-Stoll U; Ulbrich M; Sever S; Kunzek H
FOOD HYDROCOLLOIDS 2005, Vol 19, pp 329-340

ARGALÁŠOVÁ-ŠÚTOVSKÁ, K. - LUX, A. - BOVANOVÁ, L. - ČÁNIOVÁ, A. - BRANDŠTETEROVÁ, E. Comparison of peroxisomicine A1 content in vegetative organs of *Karwinskia humboldtiana* and *Karwinskia parvifolia*. In *Rostlinná Výroba*. Vol. 46, (2000), p. 477-480.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Henselova M; Regecova M; Sovakova A
PLANT, SOIL AND ENVIRONMENT 2004, Vol 50, pp 149-156

ASPINALL, G.O. - CAPEK, P. - CARPENTER, R.C. - GOWDA, D.C. - SZAFRANEK, J. A novel L-fuco-4-O-methyl-D-glucurono-D-xylan from *Hyptis suaveolens*. In *Carbohydrate Research*. Vol. 214, (1991), p. 107-113.

Citácie z WOS: 2

1. Chukwujekwu JC; Smith P; Coombes PH; Mulholland DA; van Staden J
JOURNAL OF ETHNOPHARMACOLOGY 2005, Vol 102, pp 295-297
2. Habibi Y; Mahrouz M; Vignon MR
COMPTES RENDUS CHIMIE 2005, Vol 8, pp 1123-1128

AUXTOVÁ, O. - LIŠKOVÁ, D. - KÁKONIOVÁ, D. - KUBAČKOVÁ, M. - KARÁCSONYI, Š. - BILISICS, L. Effect of galactoglucomannan-derived oligosaccharides on elongation growth of pea and spruce stem segments stimulated by auxin. In *Planta*. Vol. 196, (1995), p. 420-424.

Citácie z WOS: 1

1. Liepmann AH; Wilkerson CG; Keegstra K

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 2005, Vol 102, pp 2221-2226

BABINCOVÁ, M. - ALTANEROVÁ, V. - LAMPERT, M. - ALTANER, C. - MACHOVÁ, E. - ŠRAMKA, M. - BABINEC, P. Site-specific in vivo targeting of magnetoliposomes using externally applied magnetic field. In *Zeitschrift für Naturforschung C*. Vol. 55, (2000), p. 278-281.

Citácie z WOS: 5

1. Reddy LH

JOURNAL OF PHARMACY AND PHARMACOLOGY 2005, Vol 57, pp 1231-1242

2. Kirchner C; Javier AM; Susha AS; Rogach AL; Kreft O; Sukhorukov GB; Parak WJ

TALANTA 2005, Vol 67, pp 486-491

3. Kullberg M; Mann K; Owens JL

MEDICAL HYPOTHESES 2005, Vol 64, pp 468-470

4. Troutier AL; Delair T; Pichot C; Ladaviere C

LANGMUIR 2005, Vol 21, pp 1305-1313

5. Torchilin VP

NATURE REVIEWS DRUG DISCOVERY 2005, Vol 4, pp 145-160

BABINCOVÁ, M. - BAČOVÁ, Z. - MACHOVÁ, E. - KOGAN, G. Antioxidant properties of carboxymethyl glucan: Comparative analysis. In *Journal of Medicinal Food*. Vol. 5, (2002), p. 79-83.

Citácie z WOS: 2

1. Subramanian M; Chintalwar GJ; Chattopadhyay S

REDOX REPORT 2005, Vol 10, pp 257-264

2. Sener G; Toklu H; Ercan F; Erkanli G

INTERNATIONAL IMMUNOPHARMACOLOGY 2005, Vol 5, pp 1387-1396

BABINCOVÁ, M. - MACHOVÁ, E. - KOGAN, G. Carboxymethylated glucan inhibits lipid peroxidation in liposomes. In *Zeitschrift für Naturforschung C*. Vol. 54, (1999), p. 1084-1088.

Citácie z WOS: 2

1. Kayali H; Ozdag MF; Kahraman S; Aydin A; Gonul E; Sayal A; Odabasi Z; Timurkaynak E

NEUROSURGICAL REVIEW 2005, Vol 28, pp 298-302

2. Zhang AW; Lee BD; Lee SK; Lee KW; An GH; Song KB; Lee CH

POULTRY SCIENCE 2005, Vol 84, pp 1015-1021

BACHANOVÁ, K. - KLAUDINY, J. - KOPERNICKÝ, J. - ŠIMÚTH, J. Identification of honeybee peptide active against *Paenibacillus larvae larvae* through bacterial growth-inhibition assay on polyacrylamide gel. In *Apidologie*. Vol. 33, (2002), p. 259-269.

Citácie z WOS: 1

1. Bekesi L

MAGYAR ALLATORVOSOK LAPJA 2005, Vol 127, pp 594-602

BAILEY, M.J. - BIELY, P. - POUTANEN, K. Interlaboratory testing of methods for assay of xylanase activity. In *Journal of Biotechnology*. Vol. 23, (1992), p. 257-270.

Citácie z WOS: 56

1. Levasseur A; Navarro D; Punt PJ; Belaich JP; Asther M; Record E
APPLIED AND ENVIRONMENTAL MICROBIOLOGY 2005, Vol, 71, pp 8132-8140
2. Wejse PL; Ingvorsen K; Mortensen K
IUBMB LIFE 2005, Vol 57, pp 761-763
3. Milagres AMF; Magalhaes PO; Ferraz A
FEMS MICROBIOLOGY LETTERS 2005, Vol 253, pp 267-272
4. Jiang ZQ; Yang SQ; Yan QJ; Li LT; Tan SS
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 863-867
5. Rajoka MI
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 1063-1066
6. Gaur R; Lata; Khare SK
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 1123-1128
7. Chipeta ZA; du Preez JC; Szakacs G; Christopher L
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 69, pp 71-78
8. De Rosa S; Giordano G; Granato T; Katovic A; Siciliano A; Tripicchio F
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 8306-8309
9. Losonczi A; Csiszar E; Szakacs G; Bezur L
TEXTILE RESEARCH JOURNAL 2005, Vol 75, pp 411-417
10. Juhasz T; Szengyel Z; Reczey K; Siika-Aho M; Viikari L
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 3519-3525
11. Christopher L; Bissoon S; Singh S; Szendefy J; Szakacs G
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 3230-3235
12. Weng XY; Sun JY
CURRENT MICROBIOLOGY 2005, Vol 51, pp 188-192
13. Marichamy S; Mattiasson B
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 497-504
14. de Mare L; Velut S; Ledung E; Cimander C; Norrman B; Karlsson EN; Holst O; Hagander P
BIOTECHNOLOGY LETTERS 2005, Vol 27, pp 983-990
15. Macario A; Katovic A; Giordano G; Forni L; Carloni F; Filippini A; Setti L
OXIDE BASED MATERIALS: NEW SOURCES, NOVEL PHASES, NEW APPLICATIONS STUDIES IN SURFACE SCIENCE AND CATALYSIS 2005, Vol 155, pp 381-394
16. Gaind S; Pandey AK; Lata
JOURNAL OF BASIC MICROBIOLOGY 2005, Vol 45, pp 301-311
17. Adams EL; Kroon PA; Williamson G; Morris VJ
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1841-1845
18. Chandra RP; Ragauskas AJ
BIOTECHNOLOGY PROGRESS 2005, Vol 21, pp 1302-1306
19. Ko HG; Park SH; Kim SH; Park HG; Park WM
FOLIA MICROBIOLOGICA 2005, Vol 50, pp 103-106
20. Heck JX; Soares LHD; Ayub MAZ

ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 417-423

21. Rajoka MI
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 463-469
22. Xu ZH; Bai YL; Xu X; Shi JS; Tao WY
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 575-581
23. Shah A; Madamwar D
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 233-243
24. Jeya M; Thiagarajan S; Gunasekaran P
LETTERS IN APPLIED MICROBIOLOGY 2005, Vol 41, pp 175-178
25. Ramchuran SO; Holst O; Karlsson EN
JOURNAL OF BIOSCIENCE AND BIOENGINEERING 2005, Vol 99, pp 477-484
26. Sonia KG; Chadha BS; Saini HS
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1561-1569
27. Sun JY; Liu MQ; Xu YL; Xu ZR; Pan L; Gao H
PROTEIN EXPRESSION AND PURIFICATION 2005, Vol 42, pp 122-130
28. Ramchuran SO; Mateus B; Holst O; Karlsson EN
FEMS YEAST RESEARCH 2005, Vol 5, pp 839-850
29. Moriya RY; Goncalves AR; Duarte MCT
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 171-181
30. Moriya RY; Goncalves AR; Faria FP
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 195-203
31. Costa SA; Goncalves AR; Esposito E
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 695-706
32. Jiang ZQ; Yang SQ; Tan SS; Li LT; Li XT
LETTERS IN APPLIED MICROBIOLOGY 2005, Vol 41, pp 69-76
33. Gorgens JF; van Zyl WH; Knoetze JH; Hahn-Hagerdal B
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 684-691
34. Lu J; Li Y; Gu GX; Mao ZG
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 4996-5002
35. Leskinen S; Mantyla A; Fagerstrom R; Vehmaanpera J; Lantto R; Paloheimo M; Suominen P
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 495-505
36. Li Y; Lu H; Gu GX; Shi ZP; Mao ZG
FOOD CHEMISTRY 2005, Vol 93, pp 33-38
37. Mshandete A; Bjornsson L; Kivaisi AK; Rubindamayugi ST; Mattiasson B
WATER RESEARCH 2005, Vol 39, pp 1569-1575
38. Eun JS; Beauchemin KA
JOURNAL OF DAIRY SCIENCE 2005, Vol 88, pp 2140-2153
39. Su DM; Ding CH; Li L; Su DH; Zheng XY
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 540-545
40. Jiang ZQ; Deng W; Li XT; Ai ZL; Li LT; Kusakabe I
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 923-929
41. Ai ZL; Jiang ZQ; Li LT; Deng W; Kusakabe I; Li HS
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 2707-2714
42. Li XT; Jiang ZQ; Li LT; Yang SQ; Feng WY; Fan JY; Kusakabe I
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1370-1379

43. Senthilkumar SR; Ashokkumar B; Raj KC; Gunasekaran P
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1380-1386
44. Isil S; Nilufer A
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY 2005, Vol 48, pp 187-193
45. Walsh G; Murphy RA; Killeen GF; Power RF
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 70-74
46. Durand A; Hughes R; Roussel A; Flatman R; Henrissat B; Juge N
FEBS JOURNAL 2005, Vol 272, pp 1745-1755
47. Scheffler A; Bamforth CW
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 813-817
48. Shah AR; Madamwar D
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 1763-1771
49. Silva EM; Machuca A; Milagres AMF
LETTERS IN APPLIED MICROBIOLOGY 2005, Vol 40, pp 283-288
50. Kebreab E; France J; Sutton JD; Crompton LA; Beever DE
JOURNAL OF ANIMAL AND FEED SCIENCES 2005, Vol 14, pp 63-77
51. Dean DB; Adesogan AT; Krueger N; Littell RC
JOURNAL OF DAIRY SCIENCE 2005, Vol 88, pp 994-1003
52. Qin L; Xu SY; Zhang WB
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE 2005, Vol 85, pp 505-512
53. Krisana A; Rutchadaporn S; Jarupan G; Lily E; Sutipa T; Kanyawim K
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 17-23
54. Jorgensen H; Morkeberg A; Krogh KBR; Olsson L
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 42-48
55. Lin CC; Hsieh PC; Mau JL; Teng DF
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 107-117
56. Li Y; Lu J; Gu GX
FOOD CHEMISTRY 2005, Vol 90, pp 101-108

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Spiridon I; De Andrade AM
PROGRESS IN PAPER RECYCLING 2005, Vol 14, pp 14-18

BÁLEŠ, V. - GEMEINER, P. - KUNIAK, L. - REXOVÁ-BENKOVÁ, L. - VOJTÍŠEK, V. - ZEMEK, J. *Enzýmové inžinierstvo (Enzyme Engineering)*. Bratislava: Alfa, 1987. p. 147-149.
Citácie z WOS: 1

1. Barth A; Siekel P; Sedlarova E; Valent A; Tokhtaeva E
ACTA HISTOCHEMICA 2005, Vol 107, pp 253-259

BARTEK, P. - KOLAROVA, N. - CAPEK, P. Isolation and characterization of glycoproteins from the yeast *Cryptococcus laurentii* var. *laurentii*. II. Extracellular glycoproteins. In *Chemical Papers-Chemické Zvesti*. Vol. 55, (2001), p. 261-268.
Citácie z WOS: 1

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450

BENKOVÁ, Z. - KÓŇA, J. - GANN, G. - FABIAN, W.M.F. Redox chemistry of organoselenium compounds: Ab initio and density functional theory calculations on model

systems for transition states and intermediates of the redox cycle of selenoenzymes. In *International Journal of Quantum Chemistry*. Vol. 90, (2002), p. 555-565.

Citácie z WOS: 3

1. Pearson JK; Ban FQ; Boyd RJ
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 10373-10379
2. Sarma BK; Mugesh G
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 11477-11485
3. Cardey B; Enescu M
CHEMPHYSCHM 2005, Vol 6, pp 1175-1180

BENNETT, N.A. - RYAN, J. - BIELY, P. - VRŠANSKÁ, M. - KREMnický, L. - MACRIS, B.J. - KEKOS, D. - CHRISTAKOPOULOS, P. - KATAPODIS, P. - CLAEYSENS, M. - NERINCKX, W. - NTAUMA, P. - BHAT, M.K. Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of *Thermomyces lanuginosus* ATCC 46882. In *Carbohydrate Research*. Vol. 306, (1998), p. 445-455.

Citácie z WOS: 3

1. Jiang ZQ; Yang SQ; Yan QJ; Li LT; Tan SS
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 863-867
2. Jiang ZQ; Yang SQ; Tan SS; Li LT; Li XT
LETTERS IN APPLIED MICROBIOLOGY 2005, Vol 41, pp 69-76
3. Li XT; Jiang ZQ; Li LT; Yang SQ; Feng WY; Fan JY; Kusakabe I
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1370-1379

BIELY, P. Diversity of microbial endo- β -1,4-xylanases. In MANSFIELD, S.D. - SADDLER, J.N. *ACS Symposium Series 855: Application of Enzymes to Lignocellulosics*. Washington, DC: American Chemical Society, 2003. ISBN 0-8412-3831-6. p. 361-380.

Citácie z WOS: 1

1. Collins T; Gerday C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. Xylanolytic enzymes. In WHITAKER, J.R. - VORAGEN, A.G.J. - WONG, D.W.S. *Handbook of Food Enzymology*. New York: Marcel Dekker, Inc., 2003. ISBN 0-8247-0686-2. p. 879-915.

Citácie z WOS: 1

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67

BIELY, P. Biochemical aspects of the production of microbial hemicellulases. In COUGHLAN, M.P. - HAZELWOOD, G.P. *Hemicellulose and Hemicellulases*. London: Portland Press, 1993. ISBN 9781855780361. p. 29-51.

Citácie z WOS: 3

1. Hidalgo-Lara ME; Farres GSA; Montes-Horasitas MD
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 345-348
2. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
3. Krisana A; Rutchadaporn S; Jarupan G; Lily E; Sutipa T; Kanyawim K

JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 17-23

BIELY, P. Microbial xylanolytic systems. In *Trends in Biotechnology*. Vol. 3, (1985), p. 286-290.

Citácie z WOS: 19

1. Weng XY; Sun JY
CURRENT MICROBIOLOGY 2005, Vol 51, pp 188-192
2. Suzuki T; Tran LH; Yogo M; Idota O; Kitamoto N; Kawai K; Takamizawa K
JOURNAL OF BIOSCIENCE AND BIOENGINEERING 2005, Vol 100, pp 472-474
3. Hidalgo-Lara ME; Farres GSA; Montes-Horcasitas MD
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 345-348
4. Ninawe S; Kuhad RC
JOURNAL OF APPLIED MICROBIOLOGY 2005, Vol 99, pp 1141-1148
5. Mierzwa M; Tokarzewska-Zadora J; Deptula T; Rogalski J; Szczodrak J
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY 2005, Vol 35, pp 243-256
6. Koya V; Daniell H
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT 2005, Vol 41, pp 388-404
7. Cheng YF; Yang CH; Liu WH
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 541-546
8. Grevich JJ; Daniell H
CRITICAL REVIEWS IN PLANT SCIENCES 2005, Vol 24, pp 83-107
9. Hayashi H; Abe T; Sakarnoto M; Ohara H; Ikernura T; Sakka K; Benno, Y
CANADIAN JOURNAL OF MICROBIOLOGY 2005, Vol 51, 251-259
10. Polizeli MLTM; Rizzato ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
11. Kaur J; Munshi GD; Singh RS; Koch E
JOURNAL OF PHYTOPATHOLOGY 2005, Vol 153, pp 274-279
12. Morais H; Forgacs E; Cserhati T
ENGINEERING IN LIFE SCIENCES 2005, Vol 5, pp 152-157
13. Ali MK; Rudolph FB; Bennett GN
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 12-18
14. Sorensen HR; Pedersen S; Vikso-Nielsen A; Meyer AS
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 773-784
15. Shah AR; Madamwar D
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 1763-1771
16. Gebruers K; Courtin CM; Moers K; Noots I; Trogh I; Delcour JA
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 417-425
17. Collins T; Gerday C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23
18. Lin CC; Hsieh PC; Mau JL; Teng DF
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 107-117
19. Carmona EC; Fialho MB; Buchgnani EB; Coelho GD; Brocheto-Braga MR; Jorge JA
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 359-364

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Mayorga Reyes L; Gutiérrez NA; Salgado LM; Ponce NT
REVISTA MEXICANA DE CIENCIAS FARMACEUTICAS 2005, Vol 36, pp 5-9

BIELY, P. - BENEN, J. - HEINRICHOVÁ, K. - KESTER, H.C.M. - VISSER, J. Inversion of configuration during hydrolysis of α -1,4-galacturonidic linkage by three *Aspergillus* polygalacturonases. In *FEBS Letters*. Vol. 382, (1996), p. 249-255.

Citácie z WOS: 2

1. Stam MR; Blanc E; Coutinho PM; Henrissat B
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2728-2734
2. Shimizu T; Shibata H; Araya T; Nakatsu T; Miyairi K; Okuno T; Kato H
PROTEIN EXPRESSION AND PURIFICATION 2005, Vol 44, pp 130-135

BIELY, P. - CÔTÉ, G.L. - BURGESS-CASSLER, A. Purification and properties of alternanase, a novel endo- α -1,3- α -1,6-D-glucanase. In *European Journal of Biochemistry*. Vol. 226, (1994), p. 633-639.

Citácie z WOS: 3

1. Watanabe H; Nishimoto T; Aga H; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1577-1582
2. Mukai K; Watanabe H; Oku K; Nishimoto T; Kubota M; Chaen H; Fukuda S; Kurimoto M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1469-1474
3. Watanabe H; Higashiyama T; Aga H; Nishimoto T; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 449-454

BIELY, P. - CÔTÉ, G.L. - KREMNICKÝ, L. - GREENE, R.V. - DUPONT, C. - KLUEPFEL, D. Substrate specificity and mode of action of acetylxyran esterase from *Streptomyces lividans*. In *FEBS Letters*. Vol. 396, (1996), p. 257-260.

Citácie z WOS: 3

1. Beaudoin ME; Gauthier J; Boucher I; Waldron KC
JOURNAL OF SEPARATION SCIENCE 2005, Vol 28, pp 1390-1398
2. Moriyoshi K; Yamanaka H; Ohmoto T; Ohe T; Sakai K
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 1292-1299
3. Panda T; Gowrishankar BS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 160-169

BIELY, P. - CÔTÉ, G.L. - KREMNICKÝ, L. - GREENE, R.V. - TENKANEN, M. Action of acetylxyran esterase from *Trichoderma reesei* on acetylated methyl glycosides. In *FEBS Letters*. Vol. 420, (1997), p. 121-124.

Citácie z WOS: 1

1. Moriyoshi K; Yamanaka H; Ohmoto T; Ohe T; Sakai K
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 1292-1299

BIELY, P. - CÔTÉ, G.L. - KREMNICKÝ, L. - WEISLEDER, D. - GREENE, R.V. Substrate specificity of acetylxyran esterase from *Schizophyllum commune*: Mode of action on acetylated carbohydrates. In *Biochimica et Biophysica Acta-Protein Structure and Molecular Enzymology*. Vol. 1298, (1996), p. 209-222.

Citácie z WOS: 1

1. Moriyoshi K; Yamanaka H; Ohmoto T; Ohe T; Sakai K

BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 1292-1299

BIELY, P. - DE VRIES, R.P. - VRŠANSKÁ, M. - VISSER, J. Inverting character of alpha-glucuronidase A from Aspergillus tubingensis. In *Biochimica et Biophysica Acta-General Subjects*. Vol. 1474, (2000), p. 360-364.

Citácie z WOS: 1

1. Kiryu T; Nakano H; Kiso T; Murakami H

BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 522-529

BIELY, P. - HEINRICHOVÁ, K. - KRUŽIKOVÁ, M. Induction and inducers of the pectolytic system in Aureobasidium pullulans. In *Current Microbiology*. Vol. 33, (1996), p. 6-10.

Citácie z WOS: 2

1. Renouf V; Claisse O; Lonvaud-Funel A

AUSTRALIAN JOURNAL OF GRAPE AND WINE RESEARCH 2005, Vol 11, pp 316-327

2. Stratilova E; Dzurova M; Breierova E; Omelkova J

ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 91-96

BIELY, P. - 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*. Vol. 1162, (1993), p. 246-254.

Citácie z WOS: 1

1. Collins T; Gerdar C; Feller G

FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. - KOVÁŘÍK, J. - BAUER, Š. Lysis of *Saccharomyces cerevisiae* with 2-deoxy-2-fluoro-D-glucose, a selective inhibitor of cell wall glucan synthesis. In *Journal of Bacteriology*. Vol. 115, (1973), p. 1108-1120.

Citácie z WOS: 1

1. Buriova E; Macasek F; Melichar F; Kropacek M; Prochazka L

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 2005, Vol 264, pp 595-602

BIELY, P. - KRÁTKY, Z. - VRŠANSKÁ, M. Substrate binding site of endo-1,4- β -xylanase of the yeast *Cryptococcus albidus*. In *European Journal of Biochemistry*. Vol. 119, (1981), p. 559-564.

Citácie z WOS: 1

1. Collins T; Gerdar C; Feller G

FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. - KRÁTKY, Z. - VRŠANSKÁ, M. - URMANIČOVÁ, D. Induction and inducers of endo-1,4- β -xylanase in the yeast *Cryptococcus albidus*. In *European Journal of Biochemistry*. Vol. 108, (1980), p. 323-329.

Citácie z WOS: 2

1. Miyazaki K; Hirase T; Kojima Y; Flint HJ

MICROBIOLOGY-SGM 2005, Vol 151, pp 4121-4125

2. Hidalgo-Lara ME; Farres GSA; Montes-Horcasitas MD

JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 345-348

BIELY, P. - MACKENZIE, C.R. - PULS, J. - SCHNEIDER, H. Cooperativity of esterases and xylanases in the enzymatic degradation of acetyl xylan. In *Biotechnology*. Vol. 4, (1986), p. 731-733.

Citácie z WOS: 4

1. Szwajgier D; Pielecki J; Targonski Z
JOURNAL OF THE INSTITUTE OF BREWING 2005, Vol 111, pp 372-379
2. Kam DK; Jun HS; Ha JK; Inglis GD; Forsberg CW
CANADIAN JOURNAL OF MICROBIOLOGY 2005, Vol 51, pp 821-832
3. Rajeshwari R; Jha G; Sonti RV
MOLECULAR PLANT-MICROBE INTERACTIONS 2005, Vol 18, pp 830-837
4. Lee C; Wong DWS; Robertson GH
PROTEIN JOURNAL 2005, Vol 24, pp 21-26

BIELY, P. - MACKENZIE, C.R. - SCHNEIDER, H. Production of acetyl xylan esterase by *Trichoderma reesei* and *Schizophyllum commune*. In *Canadian Journal of Microbiology*. Vol. 34, (1988), p. 767-772.

Citácie z WOS: 2

1. Juhasz T; Szengyel Z; Reczey K; Siika-Aho M; Viikari L
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 3519-3525
2. Moriyoshi K; Yamanaka H; Ohmoto T; Ohe T; Sakai K
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 1292-1299

BIELY, P. - MARKOVIČ, O. - MISLOVIČOVÁ, D. Sensitive detection of endo-1,4- β -glucanases and endo-1,4- β -xylanases in gels. In *Analytical Biochemistry*. Vol. 144, (1985), p. 147-151.

Citácie z WOS: 3

1. Yoon JJ; Kim YK
JOURNAL OF MICROBIOLOGY 2005, Vol 43, pp 487-492
2. Gebruers K; Courtin CM; Moers K; Noots I; Trogh I; Delcour JA
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 417-425
3. Collins T; Gerdar C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. - MASTIHUBOVÁ, M. - CÔTÉ, G.L. - GREENE, R.V. Mode of action of acetylxyran esterase from *Streptomyces lividans*: a study with deoxy and deoxy-fluoro analogues of acetylated methyl β -D-xylopyranoside. In *Biochimica et Biophysica Acta-General Subjects*. Vol. 1622, (2003), p. 82-88.

Citácie z WOS: 1

1. Vafiadi C; Topakas E; Suckling ID; Christakopoulos P
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 373-379

BIELY, P. - MASTIHUBOVÁ, M. - LA GRANGE, D.C. - VAN ZYL, W.H. - PRIOR, B.A. Enzyme-coupled assay of acetylxyran esterases on monoacetylated 4-nitrophenyl β -D-xylopyranosides. In *Analytical Biochemistry*. Vol. 332, (2004), p. 109-115.

Citácie z WOS: 1

1. Wagschal K; Franqui-Espiet D; Lee CC; Robertson GH; Wong DWS

BIELY, P. - MISLOVIČOVÁ, D. - TOMAN, R. Remazol brilliant blue xylan - a soluble chromogenic substrate for xylanases. In *Methods in Enzymology*. Vol. 160, (1988), p. 536-541.

Citácie z WOS: 2

1. Sun QH; Hu J; Huang GX; Ge C; Fang RX; He CZ
PLANT PATHOLOGY 2005, Vol 54, pp 15-21
2. Xiong HR; von Weymarn N; Turunen O; Leisola M; Pastinen O
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 753-759

BIELY, P. - MISLOVIČOVÁ, D. - TOMAN, R. Soluble chromogenic substrates for the assay of endo-1,4- β -xylanases and endo-1,4- β -glucanases. In *Analytical Biochemistry*. Vol. 144, (1985), p. 142-146.

Citácie z WOS: 5

1. McAllister TA; Martinez T; Bae HD; Muir AD; Yanke LJ; Jones GA
JOURNAL OF CHEMICAL ECOLOGY 2005, Vol 31, pp 2049-2068
2. Leskinen S; Mantyla A; Fagerstrom R; Vehmaanpera J; Lantto R; Paloheimo M; Suominen P
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 495-505
3. Gorgens JF; Passoth V; van Zyl WH; Knoetze JH; Hahn-Hagerdal M
FEMS YEAST RESEARCH 2005, Vol 5, pp 677-683
4. Sorensen HR; Pedersen S; Vikso-Nielsen A; Meyer AS
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 773-784
5. Bu S; Tsang PWK; Fu RZ
JOURNAL OF APPLIED MICROBIOLOGY 2005, Vol 98, pp 210-215

BIELY, P. - PUCHART, V. - CÔTÉ, G.L. Enzymic alpha-galactosylation of a cyclic glucotetrasaccharide derived from alternan. In *Carbohydrate Research*. Vol. 332, (2001), p. 299-303.

Citácie z WOS: 1

1. Watanabe H; Higashiyama T; Aga H; Nishimoto T; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 449-454

BIELY, P. - PULS, J. - SCHNEIDER, H. Acetyl xylan esterases in fungal cellulolytic systems. In *FEBS Letters*. Vol. 186, (1985), p. 80-84.

Citácie z WOS: 3

1. Topakas E; Vafiadi C; Stamatis H; Christakopoulos P
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 729-736
2. Krastanova I; Guarnaccia C; Zahariev S; Degrassi G; Lamba D
BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS 2005, Vol 1748, pp 222-230
3. Vafiadi C; Topakas E; Suckling ID; Christakopoulos P
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 373-379

BIELY, P. - RJAZANOVA, L.P. - TSIOMENKO, A.B. A comparison of the toxic effects of 2-deoxy-D-glucose and 2-deoxy-2-fluoro-D-hexoses in *Saccharomyces cerevisiae* cells and protoplasts. In *Zeitschrift für Allgemeine Mikrobiologie*. Vol. 21, (1981), p. 489-497.

Citácie z WOS: 1

1. Buriova E; Macasek F; Melichar F; Kropacek M; Prochazka L
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 2005, Vol 264,
pp 595-602

BIELY, P. - SLÁVIKOVÁ, E. New search for pectolytic yeasts. In *Folia Microbiologica*.
Vol. 39, (1994), p. 485-488.

Citácie z WOS: 3

1. Renouf V; Claisse O; Lonvaud-Funel A
AUSTRALIAN JOURNAL OF GRAPE AND WINE RESEARCH 2005, Vol 11, pp
316-327
2. da Silva EG; Borges MD; Medina C; Piccoli RH; Schwan RF
FEMS YEAST RESEARCH 2005, Vol 5, pp 859-865
3. Stratilova E; Dzurova M; Breierova E; Omelkova J
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 91-96

BIELY, P. - TENKANEN, M. Enzymology of hemicellulose degradation. In HARMAN, G.E., KUBICEK, C.P. *Trichoderma and Gliocladium*. London: Taylor & Francis, 1998, Vol. 2. ISBN 0748405720. p. 25-47.

Citácie z WOS: 4

1. Ximenes EA; Chen HZ; Kataeva IA; Cotta MA; Felix CR; Ljungdahl LG; Li XL
CANADIAN JOURNAL OF MICROBIOLOGY 2005, Vol 51, pp 559-568
2. Kaur J; Munshi GD; Singh RS; Koch E
JOURNAL OF PHYTOPATHOLOGY 2005, Vol 153, pp 274-279
3. Thornton CR
ENVIRONMENTAL MICROBIOLOGY 2005, Vol 7, pp 737-749
4. Pakula TM; Salonen K; Uusitalo J; Penttila M
MICROBIOLOGY-SGM 2005, Vol 151, pp 135-143

BIELY, P. - VRŠANSKÁ, M. Xylanase of *Cryptococcus albidus*. In *Methods in Enzymology*.
Vol. 160, (1988), p. 638-648.

Citácie z WOS: 2

1. Rajeshwari R; Jha G; Sonti RV
MOLECULAR PLANT-MICROBE INTERACTIONS 2005, Vol 18, pp 830-837
2. Mierzwa M; Tokarzewska-Zadora J; Deptula T; Rogalski J; Szczodrak J
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY 2005, Vol 35, pp 243-256

BIELY, P. - VRŠANSKÁ, M. - CLAEYSSENS, M. The endo-1,4- β -glucanase-I from
Trichoderma reesei - action on β -1,4-oligomers and polymers derived from D-glucose and D-
xylose. In *European Journal of Biochemistry*. Vol. 200, (1991), p. 157-163.

Citácie z WOS: 4

1. Luo W; Vrijmoed LLP; Jones EBG
BOTANICA MARINA 2005, Vol 48, pp 379-386
2. Bauer S; Vasu P; Mort AJ; Somerville CR
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2590-2597
3. Chaabouni SE; Mechichi T; Limam F; Marzouki N
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 125, pp 99-112
4. Collins T; Gerdar C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. - VRŠANSKÁ, M. - KRÁTKY, Z. Mechanism of substrate digestion by endo-1,4- β -xylanase of Cryptococcus albidus. Lysozyme-type pattern action. In *European Journal of Biochemistry*. Vol. 119, (1981), p. 565-571.

Citácie z WOS: 1

1. Vardakou M; Flint J; Christakopoulos P; Lewis RJ; Gilbert HJ; Murray JW
JOURNAL OF MOLECULAR BIOLOGY 2005, Vol 352, pp 1060-1067

BIELY, P. - VRŠANSKÁ, M. - KRÁTKY, Z. Xylan-degrading enzymes of the yeast Cryptococcus albidus. Identification and cellular localization. In *European Journal of Biochemistry*. Vol. 108, (1980), p. 313-321.

Citácie z WOS: 1

1. Szwajgier D; Pielecki J; Targonski Z
JOURNAL OF THE INSTITUTE OF BREWING 2005, Vol 111, pp 372-379

BIELY, P. - VRŠANSKÁ, M. - KREMICKÝ, L. - TENKANEN, M. - POUTANEN, K. - HAYN, M. Catalytic properties of endo- β -1,4-xylanases of Trichoderma reesei. In *Proceedings of the 2nd TRICEL 93 Conference on Trichoderma cellulases, Espoo, Finland, 2-5 June 1993*. Helsinki: The Foundation for Biotechnical and Industrial Fermentation Research, 1993, p. 125.

Citácie z WOS: 1

1. Collins T; Gerday C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BIELY, P. - VRŠANSKÁ, M. - KUČÁR, Š. Identification and mode of action of endo-1,4- β -xylanases. In VISSER, J. - BELDMAN, G. - KUSTERS VAN SOMEREN, M.A. - VORAGEN, A.G.J. *Xylans and Xylanases*. Amsterdam: Elsevier Science, 1992. 576 p. Progress in Biotechnology Series, vol. 7. ISBN 0444894772. p. 81-95.

Citácie z WOS: 1

1. Hidalgo-Lara ME; Farres GSA; Montes-Horcasitas MD
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 345-348

BIELY, P. - VRŠANSKÁ, M. - TENKANEN, M. - KLUEPFEL, D. Endo- β -1,4-xylanase families: differences in catalytic properties. In *Journal of Biotechnology*. Vol. 57, (1997), p. 151-166.

Citácie z WOS: 13

1. Boonyapakron K; Pootanakit K; Chantasingh D; Kirtikara K; Eurwilaichitr L
DNA SEQUENCE 2005, Vol 16, pp 372-378
2. Ordaz-Ortiz JJ; Devaux MF; Saulnier L
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 8349-8356
3. Trogh I; Croes E; Courtin CM; Delcour JA
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 7243-7250
4. Rajeshwari R; Jha G; Sonti RV
MOLECULAR PLANT-MICROBE INTERACTIONS 2005, Vol 18, pp 830-837
5. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
6. Leskinen S; Mantyla A; Fagerstrom R; Vehmaanpera J; Lantto R; Paloheimo M;
Suominen P

- APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 495-505
7. Jorge I; de la Rosa O; Navas-Cortes JA; Jimenez-Diaz R; Tena M
ANTONIE VAN LEEUWENHOEK 2005, Vol 88, pp 49-59
 8. Jiang ZQ; Deng W; Li XT; Ai ZL; Li LT; Kusakabe I
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 923-929
 9. Moers K; Celus I; Brijs K; Courtin CM; Delcour JA
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1319-1327
 10. Ali MK; Rudolph FB; Bennett GN
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 32, pp 12-18
 11. Goesaert H; Brijs K; Veraverbeke WS; Courtin CM; Gebruers K; Delcour JA
TRENDS IN FOOD SCIENCE & TECHNOLOGY 2005, Vol 16, pp 12-30
 12. Matulova A; Nouaille R; Capek P; Pean M; Forano E; Delort AM
APPLIED AND ENVIRONMENTAL MICROBIOLOGY 2005, Vol 71, pp 1247-1253
 13. Collins T; Gerdar C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

BÍLIK, V. - BIELY, P. - MATULOVÁ, M. Reactions of saccharides catalyzed by molybdate ions. XXVIII. Preparation of D-[U-¹⁴C]arabinose from D-[U-¹⁴C]glucose In *Chemické Zvesti*. Vol. 33, (1979), p. 782-784.

Citácie z WOS: 1

1. Alexeev YE; Vasilchenko IS; Kharisov BI; Blanco LM; Garnovskii AD; Zhdanov YA
JOURNAL OF COORDINATION CHEMISTRY 2004, Vol 57, pp 1447-1517

BÍLIKOVÁ, K. - HANES, J. - NORDHOFF, E. - SAENGER, W. - KLAUDINY, J. - ŠIMÚTH, J. Apisimin, a new serine-valine-rich peptide from honeybee (*Apis mellifera* L.) royal jelly: purification and molecular characterization. In *FEBS Letters*. Vol. 528, (2002), p. 125-129.

Citácie z WOS: 2

1. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776
2. Santos KS; dos Santos LD; Mendes MA; de Souza BM; Malaspina O; Palma MS
INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 35, pp 85-91

BÍLIKOVÁ, K. - KLAUDINY, J. - ŠIMÚTH, J. Characterization of the basic major royal jelly protein MRJP2 of honeybee (*Apis mellifera*) and its preparation by heterologous expression in E-coli. In *Biologia*. Vol. 54, (1999), p. 733-739.

Citácie z WOS: 3

1. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776
2. Imjongjirak C; Klinbunga S; Sittipranee S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57
3. Santos KS; dos Santos LD; Mendes MA; de Souza BM; Malaspina O; Palma MS
INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 35, pp 85-91

BILISICS, L. - LIŠKOVÁ, D. - KUBAČKOVÁ, M. - AUXTOVÁ, O. - KÁKONIOVÁ, D.

On the possible participation of UDP-D-glucose 4-epimerase and some NADP-dependent dehydrogenases in spruce tissue organization. In *Biológia*. Vol. 49, (1994), p. 911-915.

Citácie z WOS: 1

1. Stano J; Tokhtaeva E; Micieta K; Fulmekova M; Varadinova M; Foltan V; Durieck M
CHEMISTRY OF NATURAL COMPOUNDS 2005, Vol 41, pp 65-68

BOCK, W. - ANGER, H. - KOHN, R. - MALOVÍKOVÁ, A. - DONGOWSKI, G. - FRIEBE, R. Charakterisierung mechanolytisch abgebauter Pektinpräparate. In *Angewandte Makromolekulare Chemie*. Vol. 64, (1977), p. 133-146.

Citácie z WOS: 1

1. Renard CMGC
CARBOHYDRATE POLYMERS 2005, Vol. 60, pp 515-522

BOUTHERIN, B. - MAZEAU, K. - TVAROŠKA, I. Conformational statistics of pectin substances in solution by a metropolis Monte Carlo study. In *Carbohydrate Polymers*. Vol. 32, (1997), p. 255-266.

Citácie z WOS: 1

1. Noto R; Martorana V; Bulone D; San Biagio PL
BIOMACROMOLECULES 2005, Vol 6, pp 2555-2562

BRADBROOK, G.M. - GESSLER, K. - CÔTÉ, G.L. - MOMANY, F. - BIELY, P. - BORDET, P. - PEREZ, S. - IMBERTY, A. X-ray structure determination and modeling of the cyclic tetrasaccharide cyclo-{> 6)-α-D-Glcp-(1→3)-α-D-Glcp-(1→6)-α-D-Glcp-(1→3)-α-D-Glcp-(1→}. In *Carbohydrate Research*. Vol. 329, (2000), p. 655-665.

Citácie z WOS: 4

1. Furihata K; Fujimoto T; Tsutsui A; Machinami T; Tashiro M
MAGNETIC RESONANCE IN CHEMISTRY 2005, Vol 43, pp 1044-1048
2. Furihata K; Fujimoto T; Tsutsui A; Machinami T; Tashiro M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2060-2063
3. Mukai K; Watanabe H; Oku K; Nishimoto T; Kubota M; Chaen H; Fukuda S; Kurimoto M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1469-1474
4. Watanabe H; Higashiyama T; Aga H; Nishimoto T; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 449-454

BREIEROVÁ, E. Yeast exoglycoproteins produced under NaCl-stress conditions as efficient cryoprotective agents. In *Letters in Applied Microbiology*. Vol. 25, (1997), p. 254-256.

Citácie z WOS: 1

1. Chen NJ; Morikawa J; Hashimoto T
CRYOBIOLOGY 2005, Vol 50, pp 264-272

BREIEROVÁ, E. - VAJCIKOVÁ, I. - SASINKOVÁ, V. - STRATILOVÁ, E. - FIŠERA, M. - GREGOR, T. - ŠAJBIDOR, J. Biosorption of cadmium ions by different yeast species. In *Zeitschrift für Naturforschung C*. Vol. 57, (2002), p. 634-639.

Citácie z WOS: 2

1. Mikes J; Siglova M; Cejkova A; Masak J; Jirku V
WATER SCIENCE AND TECHNOLOGY 2005, Vol 52, pp 151-156
2. Jaeckel P; Krauss GJ; Krauss G

SCIENCE OF THE TOTAL ENVIRONMENT 2005, Vol 346, pp 274-279

BREIEROVÁ, E. - ŠAJBIDOR, J. - LAMAČKA, M. The influence of newly synthesised fenpropimorph derivatives on some pathogen yeasts. In *Zeitschrift für Naturforschung C*. Vol. 56, (2001), p. 53-57.

Citácie z WOS: 1

1. de Jesus LHS; Pecanha EP; Machado SP; Almeida CHF; Antunes OAC
REACTION KINETICS AND CATALYSIS LETTERS 2005, Vol 84, pp 255-262

BRETON, C. - MUCHA, J. - JEANNEAU, C. Structural and functional features of glycosyltransferases. In *Biochimie*. Vol. 83, (2001), p. 713-718.

Citácie z WOS: 5

1. Monegal A; Bulone V; Planas A
AFINIDAD 2005, Vol 62, pp 505-512
2. Tvaroska I
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 177-190
3. Holgersson J; Gustafsson A; Breimer ME
IMMUNOLOGY AND CELL BIOLOGY 2005, Vol 83, pp 694-708
4. Elola MT; Chiesa ME; Alberti AF; Mordoh J; Fink NE
JOURNAL OF BIOMEDICAL SCIENCE 2005, Vol 12, pp 13-29
5. Kato T; Suzuki M; Murata T; Park EY
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS 2005, Vol 329, pp 699-705

BREŽNÝ, R. - MIHÁLOV, V. - KOVÁČIK, V. Low temperature thermolysis of lignins. I. Reactions of β-O-4 model compounds. In *Holzforschung*. Vol. 37, (1983), p. 199-204.

Citácie z WOS: 1

1. Reale S; Di Tullio A; Spreti N; De Angelis F
MASS SPECTROMETRY REVIEWS 2004, Vol 23, pp 87-126

BRÜLL, L.P. - HEERMA, W. - THOMAS-OATES, J. - HAVERKAMP, J. - KOVÁČIK, V. - 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*. Vol. 8, (1997), p. 43-49.

Citácie z WOS: 6

1. Harvey DJ
EXPERT REVIEW OF PROTEOMICS 2005, Vol 2, pp 87-101
2. Harvey DJ
PROTEOMICS 2005, Vol 5, pp 1774-1786
3. Mischnick P; Niedner W; Adden R
MACROMOLECULAR SYMPOSIA 2005, Vol 223, pp 67-77
4. Momcilovic D; Schagerlof H; Rome D; Jornten-Karlsson M; Karlsson KE; Wittgren B; Tjerneld F; Wahlund KG; Brinkmalm G
ANALYTICAL CHEMISTRY 2005, Vol 77, pp 2948-2959
5. Banoub J; Boullanger P; Lafont D; Cohen A; El Aneed A; Rowlands E
JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY 2005, Vol 16, pp 565-570
6. Adden R; Mischnick P
INTERNATIONAL JOURNAL OF MASS SPECTROMETRY 2005, Vol 242, pp 63-73

BRÜLL, L.P. - KOVÁČIK, V. - 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*. Vol. 12, (1998), p. 1520-1532.

Citácie z WOS: 7

1. Wuhrer M; Deelder AM
ANALYTICAL CHEMISTRY 2005, Vol 77, pp 6954-6959
2. Kameyama A; Kikuchi N; Nakaya S; Ito H; Sato T; Shikanai T; Takahashi Y; Takahashi K; Narimatsu H
ANALYTICAL CHEMISTRY 2005, Vol 77, pp 4719-4725
3. Harvey DJ
EXPERT REVIEW OF PROTEOMICS 2005, Vol 2, pp 87-101
4. Franski R; Gierczyk B; Schroeder G; Beck S; Springer A; Linscheid M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1567-1572
5. Harvey DJ
PROTEOMICS 2005, Vol 5, pp 1774-1786
6. Lewandrowski U; Resemann A; Sickmann A
ANALYTICAL CHEMISTRY 2005, Vol 77, pp 3274-3283
7. Banoub J; Boullanger P; Lafont D; Cohen A; El Aneed A; Rowlands E
JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY 2005, Vol 16, pp 565-570

BYSTRICKÝ, S. - MACHOVÁ, E. - BARTEK, P. - KOLAROVÁ, N. - KOGAN, G. Conjugation of yeast mannans with protein employing cyanopyridinium agent (CDAP) - an effective route of antifungal vaccine preparation. In *Glycoconjugate Journal*. Vol. 17, (2000), p. 677-680.

Citácie z WOS: 1

1. Maira-Litran T; Kropec A; Goldmann DA; Pier GB
INFECTION AND IMMUNITY 2005, Vol 73, pp 6752-6762

BYSTRICKÝ, S. - MALOVÍKOVÁ, A. - STICZAY, T. Interaction of alginates and pectins with cationic polypeptides. In *Carbohydrate Polymers*. Vol. 13, (1990), p. 283-294.

Citácie z WOS: 2

1. Zsivanovits G; Marudova M; Ring S
COLLOID AND POLYMER SCIENCE 2005, Vol 284, pp 301-308
2. Tam SK; Dusseault J; Polizu S; Menard M; Halle JP; Yahia L
BIOMATERIALS 2005, Vol 26, pp 6950-6961

BYSTRICKÝ, S. - PAULOVICHOVÁ, E. - MACHOVÁ, E. Candida albicans mannan-protein conjugate as vaccine candidate. In *Immunology Letters*. Vol. 85, (2003), p. 251-255.

Citácie z WOS: 5

1. Yang Q; Wang L; Lu DN; Gao RJ; Song JN; Hua PY; Yuan DW
VACCINE 2005, Vol 23, pp 4088-4096
2. Raska M; Belakova J; Wudattu NK; Kafkova L; Ruzickova K; Sebestova M; Kolar Z; Weigl E
FOLIA MICROBIOLOGICA 2005, Vol 50, pp 77-82
3. Jones C
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS 2005, Vol 77, pp 293-324
4. Mochon AB; Cutler JE

MEDICAL MYCOLOGY 2005, Vol 43, pp 97-115

5. Ibrahim AS; Spellberg BJ; Avenissian V; Fu Y; Filler SG; Edwards JE
INFECTION AND IMMUNITY 2005, Vol 73, pp 999-1005

BYSTRICKÝ, S. - PAVLIAK, V. - SZU, S.C. Characterization of colominic acid by circular dichroism and viscosity analysis. In *Biophysical Chemistry*. Vol. 63, (1997), p. 147-152.

Citácie z WOS: 1

1. Cronin NB; O'Reilly A; Duclohier H; Wallace BA
BIOCHEMISTRY 2005, Vol 44, pp 441-449

BYSTRICKÝ, S. - STICZAY, T. - POLÁKOVÁ, M. - FEDOROŇKO, M. The study of D-glyceraldehyde by circular dichroism and ultraviolet spectroscopy. In *Collection of Czechoslovak Chemical Communications*. Vol. 46, (1981), p. 240-245.

Citácie z WOS: 1

1. Toxvaerd S
JOURNAL OF BIOLOGICAL PHYSICS 2005, Vol 31, pp 599-606

CABIB, E. - FARKAŠ, V. 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*. Vol. 68, (1971), p. 2052-2056.

Citácie z WOS: 1

1. Zimoch L; Hogenkamp DG; Kramer KJ; Muthukrishnan S; Merzendorfer H
INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 35, pp 515-527

CAPEK, P. - ALFÖLDI, J. - LIŠKOVÁ, D. An acetylated galactoglucomannan from *Picea abies* L. Karst. In *Carbohydrate Research*. Vol. 337, (2002), p. 1033-1037.

Citácie z WOS: 1

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Mestechkina NM; Egorov AV; Anulov OV; Shcherbukhin VD
APPLIED BIOCHEMISTRY AND MICROBIOLOGY 2005, Vol 41, pp 283-288

CAPEK, P. - HŘÍBALOVÁ, V. - ŠVANDOVÁ, E. - EBRINGEROVÁ, A. - SASINKOVÁ, V. - MASÁROVÁ, J. Characterization of immunomodulatory polysaccharides from *Salvia officinalis* L. In *International Journal of Biological Macromolecules*. Vol. 33, (2003), p. 113-119.

Citácie z WOS: 2

1. Paulsen BS; Barsett H
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 69-101
2. Mellinger CG; Carbonero ER; Noleto GR; Cipriani TR; Oliveira MBM; Gorin PAJ; Iacomini M
JOURNAL OF NATURAL PRODUCTS 2005, Vol 68, pp 1479-1483

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Sarici SU; Kul M; Candemir G; Aydin HI; Alpay F; Gökçay E
GULHANE MEDICAL JOURNAL 2004, Vol 46, pp 161-162

CAPEK, P. - KARDOŠOVÁ, A. Polysaccharides from the flowers of *Malva mauritiana* L: Structure of an arabinogalactan. In *Collection of Czechoslovak Chemical Communications*. Vol. 60, (1995), p. 2112-2118.

Citácie z WOS: 1

1. Van den Bulck K; Swennen K; Loosveld AMA; Courtin CM; Brijs K; Proost P; Van Damme J; Van Campenhout S; Mort A, Delcour JA
JOURNAL OF CEREAL SCIENCE 2005, Vol 41, pp 59-67

CAPEK, P. - KUBAČKOVÁ, M. - ALFÖLDI, J. - BILISICS, L. - LIŠKOVÁ, D. - KÁKONIOVÁ, D. Galactoglucomannan from the secondary cell wall of *Picea abies* L. Karst. In *Carbohydrate Research*. Vol. 329, (2000), p. 635-645.

Citácie z WOS: 1

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67

CAPEK, P. - MATULOVÁ, M. - KARDOŠOVÁ, A. An acidic heteropolysaccharide from the flowers of *Malva mauritiana* L. In *Journal of Carbohydrate Chemistry*. Vol. 16, (1997), p. 1373-1391.

Citácie z WOS: 1

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450

CAPEK, P. - TOMAN, R. - KARDOŠOVÁ, A. - ROSÍK, J. Polysaccharides from the roots of the marsh mallow (*Althaea officinalis* L.): Structure of an arabinan. In *Carbohydrate Research*. Vol. 117, (1983), p. 133-140.

Citácie z WOS: 5

1. Cappelletti CI; Navarro DA; Manzi AE; Stortz CA; Cerezo AS
ARKIVOC 2005, Part 12, pp 62-75
2. Ishii T; Konishi T; Ito Y; Ono H; Ohnishi-Kameyama M; Maeda I
PHYTOCHEMISTRY 2005, Vol 66, pp 2418-2425
3. Ishii T; Ono H; Ohnishi-Kameyama M; Maeda I
PLANTA 2005, Vol 221, pp 953-963
4. Habibi Y; Mahrouz M; Vignon MR
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 319-329 MAY
5. Leonard R; Petersen BO; Himly M; Kaar W; Wopfner N; Kolarich D; van Ree R; Ebner C; Duus JO; Ferreira F; Altmann F
JOURNAL OF BIOLOGICAL CHEMISTRY 2005, Vol 280, pp 7932-7940

CHORVATOVIČOVÁ, D. - MACHOVÁ, E. - ŠANDULA, J. Effect of ultrasonicated carboxymethylglucan on cyclophosphamide induced mutagenicity. In *Mutation Research-Genetic Toxicology*. Vol. 371, (1996), p. 115-120.

Citácie z WOS: 1

1. Kogan G; Stasko A; Bauerova K; Polovka M; Soltes L; Brezova V; Navarova J; Mihalova D
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 18-28

CHORVATOVIČOVÁ, D. - MACHOVÁ, E. - ŠANDULA, J. Protective effect of sulfoethylglucan against hexavalent chromium. In *Mutation Research*. Vol. 302, (1993), p. 207-211.

Citácie podľa iných indexov a báz (Google): 1

1. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - PRAŽMÁRIOVÁ, E. - TÓTHOVÁ, K. - NAĐOVÁ, S. - KOGAN, G. - RAUKO, P. The role of natural biopolymers in genotoxicity of mutagens/carcinogens elimination.

In *Biomedical Papers (Medical Faculty University Palacký Olomouc Czech Republic)*. Vol. 149, (2005), p. 493-496. ISSN 1213-8118.

CHRISTOV, L. - BIELY, P. - KALOGERIS, E. - CHRISTAKOPOULOS, P. - PRIOR, B.A. - BHAT, M.K. Effects of purified endo- β -1,4-xylanases of family 10 and 11 and acetyl xylan esterases on eucalypt sulfite dissolving pulp. In *Journal of Biotechnology*. Vol. 83, (2000), p. 231-244.

Citácie z WOS: 1

1. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591

CÔTÉ, G.L. - BIELY, P. Enzymatically produced cyclic α -1,3-linked and α -1,6-linked oligosaccharides of D-glucose. In *European Journal of Biochemistry*. Vol. 226, (1994), p. 641-648.

Citácie z WOS: 4

1. Wiater A; Szczodrak J; Pleszczynska M; Prochniak K
BRAZILIAN JOURNAL OF MICROBIOLOGY 2005, Vol 36, pp 137-146
2. Watanabe H; Nishimoto T; Aga H; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1577-1582
3. Mukai K; Watanabe H; Oku K; Nishimoto T; Kubota M; Chaen H; Fukuda S; Kurimoto M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1469-1474
4. Watanabe H; Higashiyama T; Aga H; Nishimoto T; Kubota M; Fukuda S; Kurimoto M; Tsujisaka Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 449-454

DEFAYE, J. - GUILLOT, J.M. - BIELY, P. - VRŠANSKÁ, M. 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*. Vol. 228, (1992), p. 47-64.

Citácie z WOS: 1

1. Collins T; Gerdar C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

DOČOLOMANSKÝ, P. - BREIER, A. - GEMEINER, P. - ZIEGELHOFFER, A. Screening of binding-properties of Con-A immobilized on bead cellulose by flow microcalorimetry using invertase and anti-Con-A antibody as reporting systems. In *Analytical Letters*. Vol. 28, (1995), p. 2585-2594.

Citácie z WOS: 1

1. Schroen M; Bräse S
TETRAHEDRON 2005, Vol 61, pp 12186-12192

DÖMÉNY Z. - ŠMOGROVIČOVÁ, D. - GEMEINER, P. - ŠTURDÍK, E. - PÁTKOVÁ, J. - MALOVÍKOVÁ, A. Continuous secondary fermentation using immobilised yeast. In *Biotechnology Letters*. Vol. 20, (1998), p. 1041-1045.

Citácie z WOS: 1

1. Branyik T; Vicente AA; Dostalek P; Teixeira JA
BIOTECHNOLOGY PROGRESS 2005, Vol 21, pp 653-663

ĎURÍK, M. - LANGER, V. - GYEPESOVÁ, D. - MIČOVÁ, J. - STEINER, B. - KOÓŠ, M.
1,2:4,5-Di-O-isopropylidene- β -D-*erythro*-hexo-2,3-diulo-2,6-pyranose. In *Acta Crystallographica*. Vol. E57, (2001), p. o672-o674.

Citácie podľa iných indexov a báz (Google): 1

1. Catalogo Articoli (Spogli Riviste). Available at http://serials.cib.unibo.it/cgi-bin/start/it/spogli/df-s.tcl?prog_art=4337664&language=ITALIANO&view=articoli.

EBRINGEROVÁ, A. Charakterisierung und Distribution der Hemicellulosen in verschiedenen Baumteilen der Buche (*Fagus sylvatica* L.). In *Drevársky výskum*. Vol. 109, (1986), p. 21-29.

Citácie z WOS: 1

1. Willfor S; Sundberg A; Pranovich A; Holmbom B
WOOD SCIENCE AND TECHNOLOGY 2005, Vol 39, pp 601-617

EBRINGEROVÁ, A. - HEINZE, T. Xylan and xylan derivatives - biopolymers with valuable properties, 1 - Naturally occurring xyloans structures, procedures and properties. In *Macromolecular Rapid Communications*. Vol. 21, (2000), p. 542-556.

Citácie z WOS: 11

1. Mazeau K; Moine C; Krausz P; Gloaguen V
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2752-2760
2. Zhong RQ; Pena MJ; Zhou GK; Nairn CJ; Wood-Jones A; Richardson EA; Morrison WH; Darvill AG; York WS, Ye ZH
PLANT CELL 2005, Vol 17, pp 3390-3408
3. Willfor S; Sundberg A; Pranovich A; Holmbom B
WOOD SCIENCE AND TECHNOLOGY 2005, Vol 39, pp 601-617
4. Carafa A; Duckett JG; Knox JP; Ligrone R
NEW PHYTOLOGIST 2005, Vol 168, pp 231-240
5. Hoije A; Grondahl M; Tommeraas K; Gatenholm P
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 266-275
6. Habibi Y; Mahrouz M; Vignon MR
COMPTES RENDUS CHIMIE 2005, Vol 8, pp 1123-1128
7. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
8. Habibi Y; Vignon MR
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1431-1436
9. Sun XF; Xu F; Zhao H; Sun RC; Fowler P; Baird MS
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1342-1349
10. McCartney L; Marcus SE; Knox JP
JOURNAL OF HISTOCHEMISTRY & CYTOCHEMISTRY 2005, Vol 53, pp 543-546
11. Reddy N; Yang Y
TRENDS IN BIOTECHNOLOGY 2005, Vol 23, pp 22-27

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. The effect of ultrasound on the structure and properties of the water-soluble corn hull heteroxylan. In *Ultrasonics Sonochemistry*. Vol. 4, (1997), p. 305-309.

Citácie z WOS: 1

1. Delattre C; Michaud P; Courtois B; Courtois J
MINERVA BIOTECNOLOGICA 2005, Vol 17, pp 107-117

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. Xylans of industrial and biomedical importance. In *Biotechnology and Genetic Engineering Reviews*. Vol. 16, (1999), p. 325-346.

Citácie z WOS: 1

1. Mazeau K; Moine C; Krausz P; Gloaguen V
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2752-2760

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. Effect of ultrasound on the extractibility of corn bran hemicelluloses. In *Ultrasonics Sonochemistry*. Vol. 9, (2002), p. 225-229.

Citácie z WOS: 1

1. Wang YH; Zhu JL; Zhao CG; Zhang JC
DESALINATION 2005, Vol 186, pp 89-96

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - ALFÖLDI, J. - BERTH, G. Structural and solution properties of corn cob heteroxylans. In *Carbohydrate Polymers*. Vol. 19, (1992), p. 99-105.

Citácie z WOS: 2

1. Hirsch J; Koos M
CHEMICAL PAPERS-CHEMICKÉ ZVESTI 2005, Vol 59, pp 21-24
2. Sun XF; Xu F; Zhao H; Sun RC; Fowler P; Baird MS
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1342-1349

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - ALFÖLDI, J. - HŘÍBALOVÁ, V. The immunologically active xylan from ultrasound-treated corn cobs: extractability, structure and properties. In *Carbohydrate Polymers*. Vol. 37, (1998), p. 231-239.

Citácie z WOS: 2

1. Zhang ZT; Niu YX; Eckhoff SR; Feng H
STARCH-STARKE 2005, Vol 57, pp 240-245
2. Hirsch J; Koos M
CHEMICAL PAPERS-CHEMICKÉ ZVESTI 2005, Vol 59, pp 21-24

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - BERTH, G. Structural and molecular properties of a water soluble arabinoxylan-protein complex isolated from rye bran. In *Carbohydrate Research*. Vol. 264, (1994), p. 97-109.

Citácie z WOS: 1

1. Yu KW; Kim YS; Shin KS; Kim JM; Suh HJ
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 126, pp 35-48

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - HŘÍBALOVÁ, V. - HIRSCH, J. An immunomodulating pectic arabinogalactan from roots of *Cistanche deserticola*. In *Chemical Papers-Chemické Zvesti*. Vol. 56, (2002), p. 320-325.

Citácie z WOS: 1

1. Paulsen BS; Barsett H
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 69-101

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - MACHOVÁ, E. - NARAN, R. - HŘÍBALOVÁ, V. Isolation and characterization of mitogenic pectic polysaccharides from *Cistanche deserticola* Y. C. Ma. In *Chemical Papers-Chemické Zvesti*. Vol. 51, (1997), p. 289-294.

Citácie z WOS: 2

1. Paulsen BS; Barsett H

- ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 69-101
2. Wu XM; Gao XM; Tsim KWK; Tu PF
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 37, pp 278-282

EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - PETRÁKOVÁ, E. - HRICOVÍN, M.
Structural features of a water-soluble L-arabino-D-xylan from rye bran. In *Carbohydrate Research*. Vol. 198, (1990), p. 57-66.

Citácie z WOS: 1

1. Cyran MR; Saulnier L
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 9213-9224

EBRINGEROVÁ, A. - KARDOŠOVÁ, A. - HROMÁDKOVÁ, Z. - MALOVÍKOVÁ, A. - HŘÍBALOVÁ, V. Immunomodulatory activity of acidic xylans in relation to their structural and molecular properties. In *International Journal of Biological Macromolecules*. Vol. 30, (2002), p. 1-6.

Citácie z WOS: 1

1. Deters AM; Schroder KR; Smiatek T; Hensel A
PLANTA MEDICA 2005, Vol 71, pp 33-39

FARKAŠ, V. Biosynthesis of cell walls in fungi. In *Microbiological Reviews*. Vol. 43, (1979), p. 117-144.

Citácie z WOS: 2

1. Belewu MA; Belewu KY
AFRICAN JOURNAL OF BIOTECHNOLOGY 2005, Vol 4, pp 1401-1403
2. Yoshida Y; Yokoi W; Ohishi K; Ito M; Naito E; Sawada H
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 714-723

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Majtan J; Kogan G; Kovacova E; Bilikova K; Simuth J
ZEITSCHRIFT FUR NATURFORSCHUNG-SECTION C 2005, Vol 60, pp 921-926

FARKAŠ, V. Fungal cell wall. In PEBERDY, J.F. - FERENCZY, I. *Fungal Protoplasts: Applications in Biochemistry and Genetics*. New York: Marcel Dekker Inc., 1985. ISBN 0-8247-7112-5. p. 3-29.

Citácie z WOS: 3

1. Tkaczuk C
POLISH JOURNAL OF ENVIRONMENTAL STUDIES 2005, Vol 14, pp 897-902
2. Zange BJ; Kang Z; Buchenauer H
ZEITSCHRIFT FUR PFLANZENKRANKHEITEN UND PFLANZENSCHUTZ-JOURNAL OF PLANT DISEASES AND PROTECTION 2005, Vol 112, pp 52-64
3. Ryazanova LP; Stepnaya OA; Suzina NE; Kulaev IS
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 557-564

FARKAŠ, V. Fungal cell walls: their structure, biosynthesis and biotechnological aspects. In *Acta Biotechnologica*. Vol. 10, (1990), p. 225-238.

Citácie z WOS: 1

1. Tartar A; Shapiro AM; Scharf DW; Boucias DG
MYCOPATHOLOGIA 2005, Vol 160, pp 303-314

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Kozirog A; Kuberski S; Zakowska Z; Brycki B
POLISH JOURNAL OF MICROBIOLOGY 2005, Vol 54, pp 271-278

FARKAŠ, V. Structure and biosynthesis of fungal cell walls: Methodological approaches. In *Folia Microbiologica*. Vol. 48, (2003), p. 469-478.

Citácie z WOS: 1

1. Chadha BS; Rubinder K; Saini HS
FOLIA MICROBIOLOGICA 2005, Vol 50, pp 133-140

FARKAŠ, V. - BAUER, Š. - ZEMEK, J. Metabolism of 2-deoxy-D-glucose in baker's yeast. III. Formation of 2,2,-dideoxy- α,α -trehalose. In *Biochimica et Biophysica Acta*. Vol. 184, (1969), p. 77- 82.

Citácie z WOS: 1

1. Back SH; Schroder M; Lee K; Zhang KZ; Kaufman RJ
METHODS 2005, Vol 35, pp 395-416

FARKAŠ, V. - SULOVÁ, Z. - STRATILOVÁ, E. - HANNA, R. - MACLACHLAN, G. Cleavage of xyloglucan by nasturtium seed xyloglucanase and transglycosylation to xyloglucan subunit oligosaccharides. In *Archives of Biochemistry and Biophysics*. Vol. 298, (1992), p. 365-370.

Citácie z WOS: 2

1. Cosgrove DJ
NATURE REVIEWS MOLECULAR CELL BIOLOGY 2005, Vol 6, pp 850-861
2. Maldonado-Mendoza IE; Dewbre GR; Blaylock L; Harrison MJ
GENE 2005, Vol 345, pp 191-197

FARKAŠ, V. - SVOBODA, A. - BAUER, Š. Inhibitory effect of 2-deoxy-D-glucose on the formation of the cell wall in yeast protoplasts. In *Journal of Bacteriology*. Vol. 98, (1969), p. 744-748.

Citácie z WOS: 1

1. Back SH; Schroder M; Lee K; Zhang KZ; Kaufman RJ
METHODS 2005, Vol 35, pp 395-416

FIŠERA, L. - JAROŠKOVÁ, L. - LÉVAI, A. - JEDLOVSKÁ, E. - TÓTH, G. - POLÁKOVÁ, M. 1,3-Dipolar cycloaddition of 3-arylidenechromanone, -1-thiochromanone and -flavanone: Regio- and stereoselective formation of spiroheterocycles. In *Heterocycles*. Vol. 45, (1997), p. 1651-1655.

Citácie z WOS: 1

1. Dawood KM
JOURNAL OF HETEROCYCLIC CHEMISTRY 2005, Vol 42, pp 221-225

FRINGANT, C. - TVAROŠKA, I. - MAZEAU, K. - RINAUDO, M. - DESBRIERES, J. Hydration of α -maltose and amylose - molecular modeling and thermodynamics study. In *Carbohydrate Research*. Vol. 278, (1995), p. 27-41.

Citácie z WOS: 4

1. Shobha MS; Kumar ABV; Tharanathan RN; Koka R, Gaonkar AK
CARBOHYDRATE POLYMERS 2005, Vol 62, pp 267-273
2. Tyrode E; Johnson CM; Kumpulainen A; Rutland MW; Claesson PM
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 16848-16859

3. Lerbret A; Bordat P; Affouard F; Descamps M; Migliardo F
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 11046-11057
4. Kuttel MM; Naidoo KJ
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 7468-7474

GEMEINER, P. *Enzyme Engineering. Immobilized Biosystems*. Chichester, Bratislava: Ellis Horwood, Alfa Publishers, 1992. 298 p. ISBN 0132782278.

Citácie z WOS: 2

1. Turner MB; Spear SK; Holbrey JD; Daly DT; Rogers RD
BIOMACROMOLECULES 2005, Vol 6, pp 2497-2502
2. Qiu GM; Zhu BK; Xu YY
JOURNAL OF APPLIED POLYMER SCIENCE 2005, Vol 95, pp 328-335

GEMEINER, P. Materials for enzyme engineering. In GEMEINER, P. *Enzyme Engineering. Immobilized Biosystems*. Chichester, Bratislava: Ellis Horwood, Alfa Publishers, 1992. ISBN 0132782278. p. 13-119.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. CAO L. *Carrier-bound Immobilized Enzymes: Principles, Application and Design*. Weinheim: Wiley-VCH Verlag GmbH & Co. KgaA, 2005. ISBN 3-527-31232-3. p. 48.

GEMEINER, P. - BENEŠ M. Thiol and disulphide derivatives of cellulose. In *Collection of Czechoslovak Chemical Communications*. Vol. 48, (1983), p. 267-278.

Citácie z WOS: 1

1. Nogueira R; Lammerhofer M; Maier NM; Lindner W
ANALYTICA CHIMICA ACTA 2005, Vol 533, pp 179-183

GEMEINER, P. - BENEŠ, M.J. - ŠTAMBERG, J. Bead cellulose and its use in biochemistry and biotechnology. In *Chemical Papers*. Vol. 43, (1989), p. 805-848.

Citácie z WOS: 2

1. Miao ZJ; Lin DQ; Yao SJ
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 2005, Vol 44, pp 8218-8224
2. Grznarova G; Yu S; Stefuca V; Polakovic M
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1092, pp 107-113

GEMEINER, P. - DOČOLOMANSKÝ, P. - VIKARTOVSKÁ, A. - ŠTEFUCA, V.

Amplification of flow-microcalorimetry signal by means of multiple bioaffinity layering of lectin and glycoenzyme. In *Biotechnology and Applied Biochemistry*. Vol. 28, (1998), p. 155-162.

Citácie z WOS: 2

1. Sardar M; Gupta MN
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 355-359
2. Akhtar S; Khan AA; Husain Q
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY 2005, Vol 80, pp 198-205

Citácie podľa iných indexov a báz (Google): 1

1. TRANSGALACTIC LTD. In *Scientific Publications - Work Done by Microbiology Reader Bioscreen C*. Helsinki, Finland, 2005. Available at http://www.bionewsonline.com/1/1/saccharomyces_cerevisiae_s.htm

GEMEINER, P. - NAHÁLKA, J. - VIKARTOVSKÁ, A. - NAHÁLKOVÁ, J. - TOMÁŠKA, M. - ŠTURDÍK, E. - MARKOVIČ, O. - MALOVÍKOVÁ, A. - ZATKOVÁ, I. - ILAVSKÝ, M. Calcium pectate gel could be a better alternative to calcium alginate gel in multiple applications of immobilised cells. In WIJFFELS, R.H. - BUITELAAR, R.M. - BUCKE, C. - TRAMPER, J. *Immobilised cells: basics and applications*. Amsterdam: Elsevier, 1996. ISBN 0444819843. Progress in Biotechnology. Vol. 11, p. 73-83.

Citácie z WOS: 1

1. Parra R; Aldred D; Magan N
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 336-344

GEMEINER, P. - POLAKOVIČ, M. - MISLOVIČOVÁ, D. - ŠTEFUCA, V. Cellulose as a (bio)affinity carrier: properties, design and applications. In *Journal of Chromatography B*. Vol. 715, (1998), p. 245-271.

Citácie z WOS: 4

1. Zhou D; Zhang L; Guo SL
WATER RESEARCH 2005, Vol 39, pp 3755-3762
2. Varilova T
CHEMICKE LISTY 2005, Vol 99, pp 570-577
3. Zhao R; Luo H; Shangguan D; Liu GQ
JOURNAL OF CHROMATOGRAPHY B 2005, Vol 816, pp 175-181
4. Lei YL; Lin DQ; Yao SJ; Zhu ZQ
REACTIVE & FUNCTIONAL POLYMERS 2005, Vol 62, pp 169-177

GEMEINER, P. - ŠTEFUCA, V. - WELWARDOVÁ, A. - MICHALKOVÁ, E. - WELWARD, L. - KURILLOVÁ, L. - DANIELSSON, B. Direct determination of the cephalosporin transforming activity of immobilized cells with use of an enzyme thermistor. 1. Verification of the mathematical model. In *Enzyme and Microbial Technology*. Vol. 15, (1993), p. 50-56.

Citácie podľa iných indexov a báz (Google): 1

1. TRANSGALACTIC LTD. In *Scientific Publications - Work Done by Microbiology Reader Bioscreen C*. Helsinki, Finland, 2005. Available at http://www.bionewsonline.com/t2/cephalosporin_a.htm

GOUVION, C. - MAZEAU, K. - HEYRAUD, A. - TARAVEL, F.R. - TVAROŠKA, I. Conformational study of digalacturonic acid and sodium digalacturonate in solution. In *Carbohydrate Research*. Vol. 261, (1994), p. 187-202.

Citácie z WOS: 1

1. Noto R; Martorana V; Bulone D; San Biagio PL
BIOMACROMOLECULES 2005, Vol 6, pp 2555-2562

GREŠÍK, M. - KOLAROVA, N. - FARKAŠ, V. Light stimulated phosphorylation of proteins in cell-free extracts from *Trichoderma viride*. In *FEBS Letters*. Vol. 248, (1989), p. 185-187.

Citácie z WOS: 1

1. Pokorny R; Vargovic P; Holker U; Janssen M; Bend J; Hudecova D; Varecka L
JOURNAL OF BASIC MICROBIOLOGY 2005, Vol 45, pp 219-229

GUERRINI, M. - AGULLES, T. - BISIO, A. - HRICOVÍNI, M. - 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*. Vol. 292, (2002), p. 222-230.

Citácie z WOS: 4

1. Vazquez-Cameos S; St Hilaire PM; Damgaard D; Meldal M
QSAR & COMBINATORIAL SCIENCE 2005, Vol 24, pp 923-942
2. Noti C; Seeberger PH
CHEMISTRY & BIOLOGY 2005, Vol 12, pp 731-756
3. Raman R; Sasisekharan V; Sasisekharan R
CHEMISTRY & BIOLOGY 2005, Vol 12, pp 267-277
4. Ohyama T; Nishide T; Iwata H; Sato H; Toda M; Toma N; Taki W
JOURNAL OF NEUROSURGERY 2005, Vol 102, pp 109-115

HAGEN, I. - ECKER, M. - LAGORCE, A. - FRANCOIS, J.M. - ŠESTÁK, S. - 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 cerevisiae* mutants defective in multiple GPI-anchored mannoproteins. In *Molecular Microbiology*. Vol. 52, (2004), p. 1413-1425.

Citácie z WOS: 3

1. Kurischko C; Weiss G; Ottey N; Luca FC
GENETICS 2005, Vol 171, pp 443-455
2. De Groot PWJ; Ram AF; Klis FM
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 657-675
3. Zhao X; Oh SH; Yeater KM; Hoyer LL
MICROBIOLOGY-SGM 2005, Vol 151, pp 1619-1630

HANES, J. - VON DER KAMMER, H. - KLAUDINY, J. - SCHEIT, K.H. Characterization by CDNA cloning of 2 new human protein kinases - evidence by sequence comparison of a new family of mammalian protein kinases. In *Journal of Molecular Biology*. Vol. 244, (1994), p. 665-672.

Citácie z WOS: 2

1. Garcia-Sacristan A; Fernandez-Nestosa MJ; Hernandez P; Schwartzman JB; Krimer DB
CELL RESEARCH 2005, Vol 15, pp 495-503
2. Loyer P; Trembley JH; Katona R; Kidd VJ; Lahti JM
CELLULAR SIGNALLING 2005, Vol 17, pp 1033-1051

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Patel NA; Cooper DR
JOURNAL of CLINICAL LIGAND ASSAY 2005, Vol 28, pp 75-81

HAPLOVÁ, J. - FARKAŠ, V. - HEJTMÁNEK, M. - KOĎOUSEK, R. - MALÍNSKÝ, J. Effect of the new fluorescent brightener Rylux BSU on morphology and biosynthesis of cell walls in *Saccharomyces cerevisiae*. In *Archives of Microbiology*. Vol. 161, (1994), p. 340-344.

Citácie z WOS: 1

1. Chai LM; Zhang FB; Zhang GL
DESALINATION 2005, Vol 180, pp 157-162

HARDY, B.J. - BYSTRICKÝ, S. - KOVÁČ, P. - WIDMALM, G. Conformational analysis and molecular dynamics simulation of α -(1 \rightarrow 2) and α -(1 \rightarrow 3) linked rhamnose oligosaccharides: Reconciliation with optical rotation and NMR experiments. In *Biopolymers*. Vol. 41, (1997), p. 83-96.

Citácie z WOS: 1

1. Cheetham NWH; Dasgupta P

AUSTRALIAN JOURNAL OF CHEMISTRY 2005, Vol 58, pp 803-809

HATTORI, T. - INANAGA, S. - ARAKI, H. - AN, P. - MORITA, S. - LUXOVÁ, M. - LUX, A. Application of silicon enhanced drought tolerance in Sorghum bicolor. In *Physiologia Plantarum*. Vol. 123, (2005), p. 459-466.

Citácie z WOS: 1

1. Hodson MJ; White PJ; Mead A; Broadley MR
ANNALS OF BOTANY 2005, Vol 96, pp 1027-1046

HATTORI, T. - INANAGA, S. - TANIMOTO, E. - LUX, A. - LUXOVÁ, M. - SUGIMOTO, Y. Silicon-induced changes in viscoelastic properties of Sorghum root cell walls. In *Plant and Cell Physiology*. Vol. 44, (2003), p. 743-749.

Citácie z WOS: 2

1. Ma JF
CRITICAL REVIEWS IN PLANT SCIENCES 2005, Vol 24, pp 267-281
2. Heine G; Tikum G; Horst WJ
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE-ZEITSCHRIFT FUR PFLANZENERNAHRUNG UND BODENKUNDE 2005, Vol 168, pp 600-606

HATTORI, T. - LUX, A. - TANIMOTO, E. - LUXOVÁ, M. - SUGIMOTO, Y. - INANAGA, S. The effect of silicon on the growth of sorghum under drought. In *Proceedings of the 6th Symposium of the International Society of Root Research, November 11-15, 2001, Nagoya, Japan*. p. 348-349.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Gong H; Zhu X; Chen K; Wang S; Zhang C
PLANT SCIENCE 2005, Vol 169, pp 313-321

HEINZE, T. - KOSCHELLA, A. - EBRINGEROVÁ, A. Chemical functionalization of xylan: A short review. In GATENHOLM, P. - TENKANEN, M. *ACS Symposium Series 864: Hemicelluloses: Science and Technology*. Washington, DC: American Chemical Society, 2004. ISBN 0-8412-3842-1. p. 312-325.

Citácie z WOS: 1

1. Lindblad MS; Albertsson AC; Ranucci E; Laus M; Giani E
BIOMACROMOLECULES 2005, Vol 6, pp 684-690

HERICH, R. - LUX, A. Lytic activity of ubisch bodies (orbicles). In *Cytologia*. Vol. 50, (1985), p. 563-569.

Citácie z WOS: 1

1. Rosenfeldt S; Galati BG
BIOCELL 2005, Vol 29, pp 271-278

HERRMANN, M.C. - VRŠANSKÁ, M. - JURÍČKOVÁ, M. - HIRSCH, J. - BIELY, P. - KUBICEK, C.P. The β -D-xylosidase of *Trichoderma reesei* is a multifunctional β -D-xylan xylohydrolase. In *Biochemical Journal*. Vol. 321, (1997), p. 375-381.

Citácie z WOS: 1

1. Rojas AL; Fischer H; Eneiskaya EV; Kulminskaya AA; Shabalin KA; Neustroev KN; Craievich AF; Golubev AM; Polikarpov I
BIOCHEMISTRY 2005, Vol 44, pp 15578-15584

HESEK, D. - RYBÁR, A. - ALFÖLDI, J. - BELLA, J. - PÄTOPRSTÝ, V. Synthesis of new [1,3]diazaheterocyclo[2',1':2,3][1,3,5]thiadiazino[4,5-f]purine ring systems. In *Collection of Czechoslovak Chemical Communications*. Vol. 61, (1996), p. 1642-1646.

Citácie z WOS: 1

1. Frolov KA; Dotsenko VV; Krivokolysko SG; Litvinov VP
RUSSIAN CHEMICAL BULLETIN 2005, Vol 54, pp 2226-2228

HIRSCH, J. - PETRÁKOVÁ, E. - FEATHER, M.S. The reaction of some dicarbonyl sugars with aminoguanidine. In *Carbohydrate Research*. Vol. 232, (1992), p. 125-130.

Citácie z WOS: 1

1. Passarelli M; Tang CR; McDonald TO; O'Brien KD; Gerrity RG; Heinecke JW; Oram JF
DIABETES 2005, Vol 54, pp 2198-2205

HIRSCH, J. - PETRÁKOVÁ, E. - FEATHER, M.S. - BARNES, C.L. The reaction of D-glucose with aminoguanidine. In *Carbohydrate Research*. Vol. 267, (1995), p. 17-25.

Citácie z WOS: 2

1. Adrover M; Vilanova B; Munoz F; Donoso J
CHEMISTRY & BIODIVERSITY 2005, Vol 2, pp 964-975
2. Haynes RK; Chan HW; Ho WY; Ko CKF; Gerena L; Kyle DE; Peters W; Robinson BL
CHEMBIOCHEM 2005, Vol 6, pp 659-667

HORVÁTHOVÁ, M. - MISLOVIČOVÁ, D. - ŠOLTÉS, L. - TUZAR, Z. - GEMEINER, P. - ŽÚBOR, V. Preparation and molecular characterization of carboxymethylglucan fractions. In *Carbohydrate Polymers*. Vol. 15, (1991), p. 79-87.

Citácie z WOS: 1

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230

HRICOVÍNI, M. Structural aspects of carbohydrates and the relation with their biological properties. In *Current Medicinal Chemistry*. Vol. 11, (2004), p. 2565-2583.

Citácie z WOS: 1

1. Perez S; Mulloy B
CURRENT OPINION IN STRUCTURAL BIOLOGY 2005, Vol 15, pp 517-524

HRICOVÍNI, M. - BYSTRICKÝ, S. - MALOVÍKOVÁ, A. Conformations of (1→4)-linked α-D-galacturono-di-saccharides and α-D-galacturono-tri-saccharides in solution analyzed by NMR measurements and theoretical calculations. In *Carbohydrate Research*. Vol. 220, (1991), p. 23-31.

Citácie z WOS: 1

1. Noto R; Martorana V; Bulone D; San Biagio PL
BIOMACROMOLECULES 2005, Vol 6, pp 2555-2562

HRICOVÍNI, M. - 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*. Vol. 261, (1999), p. 789-801.

Citácie z WOS: 1

1. Delattre C; Michaud P; Courtois B; Courtois J
MINERVA BIOTECNOLOGICA 2005, Vol 17, pp 107-117

HRICOVÍNI, M. - GUERRINI, M. - BISIO, A. - TORRI, G. - NAGGI, A. - CASU, B. Active conformations of glycosaminoglycans. NMR determination of the conformation of heparin sequences complexed with antithrombin and fibroblast growth factors in solution. In *Seminars in Thrombosis and Hemostasis*. Vol. 28, (2002), p. 325-334.

Citácie z WOS: 1

1. Coombe DR; Kett WC
CELLULAR AND MOLECULAR LIFE SCIENCES 2005, Vol 62, pp 410-424

HRICOVÍNI, M. - GUERRINI, M. - BISIO, A. - TORRI, G. - PETITOU, M. - CASU, B. Conformation of heparin pentasaccharide bound to antithrombin III. In *Biochemical Journal*. Vol. 359, (2001), p. 265-272.

Citácie z WOS: 7

1. Verli H; Guimaraes JA
JOURNAL OF MOLECULAR GRAPHICS & MODELLING 2005, Vol 24, pp 203-212
2. Chu CL; Goerges AL; Nugent MA
BIOCHEMISTRY 2005, Vol 44, pp 12203-12213
3. Noti C; Seeberger PH
CHEMISTRY & BIOLOGY 2005, Vol 12, pp 731-756
4. Zhang QM; Lee GR; Marszalek PE
JOURNAL OF PHYSICS-CONDENSED MATTER 2005, Vol 17, pp S1427-S1442
5. Canales A; Angulo J; Ojeda R; Bruix M; Fayos R; Lozano R; Gimenez-Gallego G; Martin-Lomas M; Nieto PM; Jimenez-Barbero J
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 5778-5779
6. Shih CM; Lin SJ; Su YY; Shih CC
JOURNAL OF CONTROLLED RELEASE 2005, Vol 102, pp 539-549
7. Shih CM; Shih CC; Su YY; Chang NC; Lin SJ
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 2005, Vol 75A, pp 519-529

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Delehedde M; Lortat-Jacob H; Gallagher JT; Bonnaffe D; Adam E; Querolle O; Lequien S; Degove S; Lassalle P; Bechard D
MEDICINAL CHEMISTRY REVIEWS 2005 Vol 2, pp 345-357

HRICOVÍNI, M. - GUERRINI, M. - TORRI, G. - PIANI, S. - UNGARELLI, F. Conformational analysis of heparin epoxide in aqueous solution - an NMR relaxation study. In *Carbohydrate Research*. Vol. 277, (1995), p. 11-23.

Citácie z WOS: 1

1. Andersson A; Ahl A; Eklund R; Widmalm G; Maler L
JOURNAL OF BIOMOLECULAR NMR 2005, Vol 31, pp 311-320

HRICOVÍNI, M. - MALKINA, O.L. - BÍZIK, F. - NAGY, L.T. - MALKIN, V.G. Calculation of NMR chemical shifts and spin-spin coupling constants in the monosaccharide methyl- β -D-xylopyranoside using a density functional theory approach. In *Journal of Physical Chemistry A*. Vol. 101, (1997), p. 9756-9762.

Citácie z WOS: 2

1. Mason PE; Neilson GW; Enderby JE; Saboungi ML; Brady JW
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 10991-10998
2. Kleinpeter E; Koch A; Pihlaja K

TETRAHEDRON 2005, Vol 61, pp 7349-7358

HRICOVÍNI, M. - TORRI, G. Dynamics in aqueous solutions of the pentasaccharide corresponding to the binding site of heparin for antithrombin III studied by NMR relaxation measurements. In *Carbohydrate Research*. Vol. 268, (1995), p. 159-175.

Citácie z WOS: 1

1. Andersson A; Ahl A; Eklund R; Widmalm G; Maler L

JOURNAL OF BIOMOLECULAR NMR 2005, Vol 31, pp 311-320

HRICOVÍNI, M. - TVAROŠKA, I. Conformational dependence of the one-bond carbon-proton coupling constants in oligosaccharides. In *Magnetic Resonance in Chemistry*. Vol. 28, (1990), p. 862-866.

Citácie z WOS: 1

1. Kleinpeter E; Koch A; Pihlaja K

TETRAHEDRON 2005, Vol 61, pp 7349-7358

HRICOVÍNOVÁ-BÍLIKOVÁ, Z. - HRICOVÍNI, M. - PETRUŠOVÁ, M. - SERIANNI, A. - PETRUŠ, L. Stereospecific molybdic acid-catalyzed isomerization of 2-hexuloses to branched-chain aldoses. In *Carbohydrate Research*. Vol. 319, (1999), p. 38-46.

Citácie z WOS: 1

1. Stockman R; Dekoninck J; Sels BF; Jacobs PA

NANOPOROUS MATERIALS IV STUDIES IN SURFACE SCIENCE AND CATALYSIS 2005, Vol 156, pp 843-850

HRICOVÍNOVÁ-BÍLIKOVÁ, Z. - PETRUŠ, L. Synthesis of sedoheptulose from 2-C-(hydroxymethyl)-D-allose by molybdic acid-catalysed carbon-skeleton rearrangement. In *Carbohydrate Research*. Vol. 320, (1999), p. 31-36.

Citácie z WOS: 1

1. Stockman R; Dekoninck J; Sels BF; Jacobs PA

NANOPOROUS MATERIALS IV STUDIES IN SURFACE SCIENCE AND CATALYSIS 2005, Vol 156, pp 843-850

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Yamanoi T; Matsumura K; Matsuda S; Oda Y

SYNLETT 2005, pp 2973-2977

HRMOVÁ, M. - BIELY, P. - VRŠANSKÁ, M. Cellulose-degrading and xylan-degrading enzymes of *Aspergillus terreus* and *Aspergillus niger*. In *Enzyme and Microbial Technology*. Vol. 11, (1989), p. 610-616.

Citácie z WOS: 2

1. Solov'eva IV; Okunev ON; Vel'kov VV; Koshelev AV; Bubnova TV; Kondrat'eva EG; Skomarovskii AA; Sinitsyn AP

MICROBIOLOGY 2005, Vol 74, pp 141-146

2. Shah AR; Madamwar D

PROCESS BIOCHEMISTRY 2005, Vol 40, pp 1763-1771

HRMOVÁ, M. - MACGREGOR, E.A. - BIELY, P. - STEWART, R.J. - FINCHER, G.B. Substrate binding and catalytic mechanism of a barley β -D-glucosidase/(1,4)- β -D-glucan exohydrolase. In *Journal of Biological Chemistry*. Vol. 273, (1998), p. 11134-11143.

Citácie z WOS: 1

1. Kluskens LD; van Alebeek GJW; Walther J; Voragen AGJ; de Vos WM; van der Oost J

FEBS JOURNAL 2005, Vol 272, pp 5464-5473

HRMOVÁ, M. - PETRÁKOVÁ, E. - BIELY, P. 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*. Vol. 137, (1991), p. 541-547.

Citácie z WOS: 5

1. Aro N; Pakula T; Penttila M
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 719-739
2. Rajoka MI
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 463-469
3. Rajoka MI; Yasmeen A
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 471-478
4. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
5. Rajoka MI; Yasmeen A
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 179-187

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. Isolation and characterization of hemicelluloses of corn hulls. In *Chemical Papers-Chemické Zvesti*. Vol. 49, (1995), p. 97-101.

Citácie z WOS: 1

1. Hojje A; Grondahl M; Tommeraas K; Gatenholm P
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 266-275

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. Ultrasonic extraction of plant materials-investigation of hemicellulose release from buckwheat hulls. In *Ultrasonics Sonochemistry*. Vol. 10, (2003), p. 127-133.

Citácie z WOS: 1

1. Gao M; Liu CZ
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 1461-1463

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - SASINKOVÁ, V. - ŠANDULA, J. - HŘÍBALOVÁ, V. - OMELKOVÁ, J. 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*. Vol. 51, (2003), p. 9-15.

Citácie z WOS: 2

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230
2. Virkki L; Johansson L; Ylinen M; Maunu S; Ekholm P
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 357-366

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - VALACHOVIČ, P. Comparison of classical and ultrasound-assisted extraction of polysaccharides from *Salvia officinalis* L. In *Ultrasonics Sonochemistry*. Vol. 5, (1999), p. 163-168.

Citácie z WOS: 1

1. Fulzele DP; Satdive RK

JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1063, pp 9-13

HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - VALACHOVIČ, P. Ultrasound-assisted extraction of water-soluble polysaccharides from the roots of valerian (*Valeriana officinalis* L.). In *Ultrasonics Sonochemistry*. Vol. 9, (2002), p. 37-44.

Citácie z WOS: 3

1. Wang YH, Zhu JL, Zhao CG, Zhang JC
DESALINATION 2005, Vol 186, pp 89-96
2. Baranov GA; Belyaev AA; Onikienko SB; Smirnov SA; Khukharev VV
QUANTUM ELECTRONICS 2005, Vol 35, pp 867-872
3. Li H; Chen B; Yao SZ
ULTRASONICS SONOCHEMISTRY 2005, Vol 12, pp 295-300

IMBERTY, A. - PÉREZ, S. - HRICOVÍNI, M. - SHAH, R.N. - CARVER, J.P. Flexibility in a tetrasaccharide fragment from the high mannose type of N-linked oligosaccharides. In *International Journal of Biological Macromolecules*. Vol. 15, (1993), p. 17-23.

Citácie z WOS: 1

1. Liu JN; Gustafsson A; Breimer ME; Kussak A; Holgersson J
GLYCobiology 2005, Vol 15, pp 571-583

JAKUBCOVÁ, M. - BOŠANSKÝ, M. - LUČINA, D. - BOROŠOVÁ, G. *Process of isolation of lovastatin from fermentation broth*. International Patent, WO0063411. 2000-10-26.

Citácie z WOS: 1

1. Sun H; Gong JB; Wang JK
JOURNAL OF CHEMICAL AND ENGINEERING DATA 2005, Vol 50, pp 1389-1391

JONIAK, D. - POLÁKOVÁ, M. Preparation of some D-glucofuranosides from unprotected D-glucose. In *Journal of the Serbian Chemical Society*. Vol. 66, (2001), p. 81-86.

Citácie z WOS: 1

1. Jerkovic I; Mastelic J; Blazevic I; Sindler-Kulyk M; Vikiv-Topic D
CROATICA CHEMICA ACTA 2005, Vol 78, pp 315-318

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Ingle VN; Kharche ST; Upadhyay UG
INDIAN JOURNAL OF CHEMISTRY-SECTION B 2005, Vol 44, pp 801-805

JÚDOVÁ, J. - KLAUDINY, J. - ŠIMÚTH, J. Preparation of recombinant most abundant protein MRJP1 of royal jelly. In *Biologia*. Vol. 53, (1998), p. 777-784.

Citácie z WOS: 1

1. Imjongjirak C; Klinbunga S; Sittipraneed S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57

JÚDOVÁ, J. - ŠUTKA, R. - KLAUDINY, J. - LIŠKOVÁ, D. - OW, D.W. - ŠIMÚTH, J. Transformation of tobacco plants with cDNA encoding honeybee royal jelly MRJP1. In *Biologia Plantarum*. Vol. 48, (2004), p. 185-191.

Citácie z WOS: 1

1. Novakova S; Mazurova L; Cerovska N; Subr ZW
BIOLOGIA PLANTARUM 2005, Vol 49, pp 593-598

KAČURÁKOVÁ, M. - BELTON, P.S. - WILSON, R.H. - HIRSCH, J. - EBRINGEROVÁ, A. Hydration properties of xylan-type structures: an FTIR study of xylooligosaccharides. In *Journal of the Science of Food and Agriculture*. Vol. 77, (1998), p. 38-44.

Citácie z WOS: 5

1. Shobha MS; Kumar ABV; Tharanathan RN; Koka R; Gaonkar AK
CARBOHYDRATE POLYMERS 2005, Vol 62, pp 267-273
2. Liu CF; Sun RC; Ye J
POLYMER DEGRADATION AND STABILITY 2005, Vol 91, pp 280-288
3. Dokken KM; Davis LC; Marinkovic NS
APPLIED SPECTROSCOPY REVIEWS 2005, Vol 40, pp 301-326
4. Brown DM; Zeef LAH; Ellis J; Goodacre R; Turner SR
PLANT CELL 2005, Vol 17, pp 2281-2295
5. Sun XF; Xu F; Sun RC; Geng ZC; Fowler P; Baird MS
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 15-26

KAČURÁKOVÁ, M. - CAPEK, P. - SASINKOVÁ, V. - WELLNER, N. - EBRINGEROVÁ, A. FT-IR study of plant cell wall model compounds: pectic polysaccharides and hemicelluloses. In *Carbohydrate Polymers*. Vol. 43, (2000), p. 195-203.

Citácie z WOS: 18

1. Risica D; Dentini M; Crescenzi V
POLYMER 2005, Vol 46, pp 12247-12255
2. Martin JA; Solla A; Coimbra MA; Gil M
PHYTOCHEMISTRY 2005, Vol 66, pp 2458-2467
3. Martin I; Dopico B; Munoz FJ; Esteban R; Oomen RJFJ; Driouich A; Vincken JP; Visser R; Labrador E
PLANT AND CELL PHYSIOLOGY 2005, Vol 46, pp 1613-1622
4. Dokken KM; Davis LC; Marinkovic NS
APPLIED SPECTROSCOPY REVIEWS 2005, Vol 40, pp 301-326
5. Oh SY; Yoo DI; Shin Y; Kim HC; Kim HY; Chung YS; Park WH; Youk JH
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2376-2391
6. Nikonenko NA; Buslov DK; Sushko NI; Zhbankov RG
JOURNAL OF MOLECULAR STRUCTURE 2005, Vol 752, pp 20-24
7. Coimbra MA, Barros AS, Coelho E, Goncalves F, Rocha SM, Delgadillo I
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 434-440
8. Sun YL; Tang J; Gu XH; Li DY
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 36, pp 283-289
9. Robert P; Marquis M; Barron C; Guillot F, Saulnier L
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 7014-7018
10. Monsoor MA
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 362-367
11. Liu G; Liu JH; Song DS; Dong Q; Ou JM; Yang AM
SPECTROSCOPY AND SPECTRAL ANALYSIS 2005, Vol 25, pp 1053-1056
12. Brown DM; Zeef LAH; Ellis J; Goodacre R; Turner SR
PLANT CELL 2005, Vol 17, pp 2281-2295
13. Yashoda HM; Prabha TN; Tharanathan RN
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1335-1342
14. Prado BA; Kim S; Ozen BF; Mauer LJ

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 2823-2829

15. Barron C; Parker ML; Mills ENC; Rouau X; Wilson RH
PLANTA 2005, Vol 220, pp 667-677
16. Virkki L; Johansson L; Ylinen M; Maunu S; Ekholm P
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 357-366
17. Renard E; Volet G; Amiel C
POLYMER INTERNATIONAL 2005, Vol 54, pp 594-599
18. Yang JH; Du YM; Huang RH; Sun LP; Liu H; Gao XH; Kennedy JF
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 101-107

Citácie podľa iných indexov a báz (SCOPUS): 3

1. Eom TJ; Park SB
PALPU CHONGI GISUL/JOURNAL OF KOREA TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY 2005, Vol 37, pp 25-34
2. Alonso-Simón A; Encina AE; García-Angulo P; Álvarez JM; Acebes JL
PLANT SCIENCE 2004, Vol 167, pp 1273-1281
3. Kim SW; Ban SH; Chung H; Cho S; Chung HJ; Choi PS; Yoo OJ; Liu JR
PLANT CELL REPORTS 2004, Vol 23, pp 246-250

KAČURÁKOVÁ, M. - EBRINGEROVÁ, A. - HIRSCH, J. - HROMÁDKOVÁ, Z. Infrared study of arabinoxylans. In *Journal of the Science of Food and Agriculture*. Vol. 66, (1994), p. 423-427.

Citácie z WOS: 5

1. Shobha MS; Kumar ABV; Tharanathan RN; Koka R; Gaonkar AK
CARBOHYDRATE POLYMERS 2005, Vol 62, pp 267-273
2. Robert P; Marquis M; Barron C; Guillou F, Saulnier L
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 7014-7018
3. Barron C; Parker ML; Mills ENC; Rouau X; Wilson RH
PLANTA 2005, Vol 220, pp 667-677
4. Mills ENC; Parker ML; Wellner N; Toole G; Feeney K; Shewry PR
JOURNAL OF CEREAL SCIENCE 2005, Vol 41, pp 193-201
5. Virkki L; Johansson L; Ylinen M; Maunu S; Ekholm P
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 357-366

KAČURÁKOVÁ, M. - WELLNER, N. - EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - 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*. Vol. 13, (1999), p. 35-41.

Citácie z WOS: 4

1. Risica D; Dentini M; Crescenzi V
POLYMER 2005, Vol 46, pp 12247-12255
2. Robert P; Marquis M; Barron C; Guillou F, Saulnier L
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 7014-7018
3. Brown DM; Zeef LAH; Ellis J; Goodacre R; Turner SR
PLANT CELL 2005, Vol 17, pp 2281-2295
4. Yoshida K; Kusaki J; Ehara K; Saka S
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 795-806

KÁKONIOVÁ, D. - LIŠKOVÁ, D. The yield dependence of callus derived protoplasts on callus culture conditions. In *Biológia*. Vol. 45, (1990), p. 563-568.

Citácie z WOS: 1

1. Veltcheva M; Svetleva D; Petkova S; Perl A
SCIENTIA HORTICULTURAE 2005, Vol 107, pp 2-10

KALEBINA, T. - FARKAŠ, V. - LAURINAVICHIUTE, D.K. - GORLOVOY, P.M. - FOMINOV, G.B. - BARTEK, P. - KULAEV, I.S. Deletion of BGL2 results in an increased chitin level in the cell wall of *Saccharomyces cerevisiae*. In *Antonie van Leeuwenhoek*. Vol. 84, (2003), p. 179-184.

Citácie z WOS: 1

1. Choi CJ; Ju HJ; Park BH; Qin R; Jahng KY; Han DM; Chae KS
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 590-600

KARÁCSONYI, Š. - KOVÁČIK, V. - ALFÖLDI, J. - KUBAČKOVÁ, M. Chemical and C-13-NMR studies of an arabinogalactan from *Larix sibirica* L. In *Carbohydrate Research*. Vol. 134, (1984), p. 265-274.

Citácie z WOS: 4

1. Grabner M; Wimmer R; Gierlinger N; Evans R; Downes G
CANADIAN JOURNAL OF FOREST RESEARCH-REVUE CANADIENNE DE RECHERCHE FORESTIERE 2005, Vol 35, pp 2781-2786
2. Monakov YB; Borisov IM; Zimin YS; Mudartsova RK; Tolstikova TG; Shirokova EN; Medvedeva SA; Zaikov GE
OXIDATION COMMUNICATIONS 2005, Vol 28, pp 472-489
3. Grabner M; Muller U; Gierlinger N; Wimmer R
IAWA JOURNAL 2005, Vol 26, pp 211-220
4. Wang XS; Zheng Y; Zuo JP; Fang JN
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 281-288

KARÁCSONYI, Š. - PÄTOPRSTÝ, V. - KUBAČKOVÁ, M. Structural study on arabinogalactan-proteins from *Picea abies* L. Karst. In *Carbohydrate Research*. Vol. 307, (1998), p. 271-279.

Citácie z WOS: 4

1. Kremer RMD; Gallo-Rodriguez C
ADVANCES IN CARBOHYDRATE CHEMISTRY AND BIOCHEMISTRY 2004, Vol 59, pp 9-67
2. Hua YF; Zhang M; Fu CX; Chen ZH; Chan GYS
CARBOHYDRATE RESEARCH 2004, Vol 339, pp 2219-2224
3. Tan L; Qiu F; Lamport DTA; Kieliszewski MJ
JOURNAL OF BIOLOGICAL CHEMISTRY 2004, Vol 279, pp 13156-13165
4. Luonteri E; Laine C; Uusitalo S; Teleman A; Siika-aho M; Tenkanen M
CARBOHYDRATE POLYMERS 2003, Vol 53, pp 155-168

KARDOŠOVÁ, A. - EBRINGEROVÁ, A. - ALFÖLDI, J. - 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*. Vol. 33, (2003), p. 135-140.

Citácie z WOS: 1

1. Ypek A; Saruhan EO; Gurbuz B
INDIAN JOURNAL OF AGRICULTURAL SCIENCES 2005, Vol 75, pp 691-692

KARDOŠOVÁ, A. - EBRINGEROVÁ, A. - ALFÖLDI, J. - NOSÁĽOVÁ, G. -
MATÁKOVÁ, T. - HŘÍBALOVÁ, V. Structural features and biological activity of an acidic polysaccharide complex from *Mahonia aquifolium* (Pursh) Nutt. In *Carbohydrate Polymers*. Vol. 57, (2004), p. 165-176.

Citácie z WOS: 1

1. Khosravi M; Rakhshaee R; Ganji MT
JOURNAL OF HAZARDOUS MATERIALS 2005, Vol 127, pp 228-237

KARDOŠOVÁ, A. - MALOVÍKOVÁ, A. - PÄTOPRSTÝ, V. - NOSÁĽOVÁ, G. -
MATÁKOVÁ, T. Structural characterization and antitussive activity of a glucuronoxylan from *Mahonia aquifolium* (Pursh) Nutt. In *Carbohydrate Polymers*. Vol. 47, (2002), p. 27-33.

Citácie z WOS: 1

1. Mellinger CG; Carbonero ER; Cipriani TR; Gorin PAJ; Iacomini M
JOURNAL OF NATURAL PRODUCTS 2005, Vol 68, pp 129-132

KARDOŠOVÁ, A. - MALOVÍKOVÁ, A. - ROSÍK, J. - CAPEK, P. Distribution pattern of 4-O-methyl-D-glucuronic acid units in 4-O-methyl-D-glucurono-D-xylan isolated from the leaves of marsh mallow (*Althaea officinalis* L., var. Rhobusta). In *Chemical Papers*. Vol. 44, (1990), p. 111-117.

Citácie z WOS: 1

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67

KARDOŠOVÁ, A. - MATULOVÁ, M. - MALOVÍKOVÁ, A. (4-O-methyl- α -D-glucurono)-D-xylan from *Rudbeckia fulgida*, var. sullivantii (Boynton et Beadle). In *Carbohydrate Research*. Vol. 308, (1998), p. 99-105.

Citácie z WOS: 4

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67
2. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450
3. Hromadkova Z; Ebringerova A; Hirsch J
CHEMICAL PAPERS-CHEMICKÉ ZVESTI 2005, Vol 59, pp: 223-224
4. Warrand J; Michaud P; Picton L; Muller G; Courtois B; Ralainirina R; Courtois J
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 35, pp 121-125

KATAPODIS, P. - VRŠANSKÁ, M. - KEKOS, D. - NERINCKX, W. - BIELY, P. -
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*. Vol. 338, (2003), p. 1881-1890.

Citácie z WOS: 2

1. Ihsanawati; Kumasaka T; Kaneko T; Morokuma C; Yatsunami R; Sato T; Nakamura S; Tanaka N
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS 2005, Vol 61, pp 999-1009
2. Collins T; Gerday C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

KATRLÍK, J. - PIZZARIELLO, A. - MASTIHUBA, V. - ŠVORC, J. - STREĎANSKÝ, M. - MIERTUŠ, S. Biosensors for L-malate and L-lactate based on solid binding matrix. In *Analytica Chimica Acta*. Vol. 379, (1999), p. 193-200.

Citácie z WOS: 2

1. Wu MH; Cai HY; Xu X; Urban JPG; Cui ZF; Cui Z
BIOMEDICAL MICRODEVICES 2005, Vol 7, pp 323-329
2. Smutok O; Gayda G; Gonchar M; Schuhmann W
BIOSENSORS & BIOELECTRONICS 2005, Vol 20, pp 1285-1290

KÉRY, V. - KOGAN, G. - ZAJACOVÁ, K. - SLÁMOVÁ, K. - MASLER, L. - ALFÖLDI, J. Hydrolysis of yeast cell-wall glucan by extracellular (1→3)- β -glucanases from *Aspergillus niger*. In *Enzyme and Microbial Technology*. Vol. 13, (1991), p. 87-90.

Citácie z WOS: 2

1. Giese EC; Covizzi LG; Borsato D; Dekker RFH; da Silva MD; Barbosa AM
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 3783-3788
2. Freimund S; Janett S; Arrigoni E; Amado R
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 101-105

KÉRY, V. - KREPINSKY, J.J.F. - WARREN, C.D. - CAPEK, P. - STAHL, P.D. Ligand recognition by purified human mannose receptor. In *Archives of Biochemistry and Biophysics*. Vol. 298, (1992), p. 49-55.

Citácie z WOS: 3

1. Jain S; Vyas SP
JOURNAL OF PHARMACY AND PHARMACOLOGY 2005, Vol 57, pp 1177-1184
2. Su YP; Bakker T; Harris J; Tsang C; Brown GD; Wormald MR; Gordon S; Dwek RA; Rudd PM; Martinez-Pomares L
JOURNAL OF BIOLOGICAL CHEMISTRY 2005, Vol 280, pp 32811-32820
3. Diaz-Silvestre H; Espinosa-Cueto P; Sanchez-Gonzalez A; Esparza-Ceron MA; Pereira-Suarez AL; Bernal-Fernandez G; Espitia C; Mancilla R
MICROBIAL PATHOGENESIS 2005, Vol 39, pp 97-107

KHAN, R. - GOPEN, L. - KONOWICZ, P.A. - MATULOVÁ, M. - PAOLETTI, S. Enzymatic regioselective hydrolysis of peracetylated reducing disaccharides, specifically at the anomeric center - intermediates for the synthesis of oligosaccharides. In *Tetrahedron Letters*. Vol. 34, (1993), p. 7767-7770.

Citácie z WOS: 1

1. Jun SJ; Moon MS; Lee SH; Cheong CS; Kim KS
TETRAHEDRON LETTERS 2005, Vol 46, pp 5063-5065

KHAN, R. - KONOWICZ, P.A. - GARDOSI, L. - MATULOVÁ, M. - DEGENNARO, S. Regioselective deacetylation of fully acetylated mono- and disaccharides with hydrazine hydrate. In *Australian Journal of Chemistry*. Vol. 49, (1996), p. 293-298.

Citácie z WOS: 1

1. Yeager AR; Finney NS
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 1269-1275

KLAUDINY, J. - HANES, J. - KULIFAJOVÁ, J. - ALBERT, Š. - ŠIMÚTH, J. Molecular cloning of two cDNAs from the head of the nurse honey bee (*Apis mellifera L.*) for coding related proteins of royal jelly. In *Journal of Apicultural Research*. Vol. 33, (1994), p. 105-111.

Citácie z WOS: 2

1. Salazar-Olivo LA; Paz-Gonzalez V
TOXICOLOGY IN VITRO 2005, Vol 19, pp 645-651
2. Imjongjirak C; Klinbunga S; Sittipranee S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Costa RAC; Da Cruz-Landim C
GENETICS AND MOLECULAR RESEARCH 2005, Vol 4, pp 616-623

KLAUDINY, J. - KULIFAJOVÁ, J. - CRAILSHEIM, K. - ŠIMÚTH, J. New approach to the study of division of labour in the honeybee colony (*Apis mellifera L.*). In *Apidologie*. Vol. 25, (1994), p. 596-600.

Citácie z WOS: 1

1. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776

KOGAN, G. (1→3, 1→6)- β -D-glucans of yeasts and fungi and their biological activity. In RAHMAN, Atta-ur *Studies in Natural Products Chemistry: Bioactive Natural Products*. Amsterdam: Elsevier, 2000. ISBN 0-444-50606-3. Vol. 23, Part D, p. 107-152.

Citácie z WOS: 6

1. Zhanaeva SY; Korolenko TA; Nekrasov BG; Nikolin VP; Kaledin VI
BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE 2005, Vol 140, pp 449-451
2. Velebny S; Hrckova G
HELMINTHOLOGIA 2005, Vol 42, pp 197-204
3. Jouany JP; Yiannikouris A; Bertin G
JOURNAL OF ANIMAL AND FEED SCIENCES 2005, Vol 14, Suppl 1, pp 171-190
4. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230
5. Dobicki A; Pres J; Luczak W; Szyrner A
MEDYCYNA WETERYNARJNA 2005, Vol 61, pp 946-949
6. Freimund S; Janett S; Arrigoni E; Amado R
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 101-105

KOGAN, G. - ALFÖLDI, J. - MASLER, L. C-13-NMR spectroscopic investigation of 2 yeast-cell wall β -D-glucans. In *Biopolymers*. Vol. 27, (1988), p. 1055-1063.

Citácie z WOS: 2

1. Surenjav U; Zhang LN; Xu XJ; Zhang M; Cheung PCK; Zeng FB
CHINESE JOURNAL OF POLYMER SCIENCE 2005, Vol 23, pp 327-336
2. Freimund S; Janett S; Arrigoni E; Amado R
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 101-105

KOGAN, G. - BRISSON, J.R. - KASPER, D.L. - VONHUNOLSTEIN, C. - OREFICI, G. - JENNINGS, H.J. Structural elucidation of the novel type VII group B *Streptococcus* capsular polysaccharide by high-resolution NMR spectroscopy. In *Carbohydrate Research*. Vol. 277, (1995), p. 1-9.

Citácie z WOS: 3

1. Fluegge K; Supper S; Siedler A; Berner R

- CLINICAL INFECTIOUS DISEASES 2005, Vol 40, pp 760-763
2. Seepersaud R; Hanniffy SB; Mayne P; Sizer P; Le Page R; Wells JA
INFECTION AND IMMUNITY 2005, Vol 73, pp 1671-1683
 3. Aoyagi Y; Adderson EE; Min JG; Matsushita M; Fujita T; Takahashi S; Okuwaki Y;
Bohnsack JF
JOURNAL OF IMMUNOLOGY 2005, Vol 174, pp 418-425

KOGAN, G. - HARAGUCHI, G. - HULL, S.I. - HULL, R.A. - SHASHKOV, A.S. - JANN, B. - JANN, K. Structural analysis of O4-reactive polysaccharides from recombinant Escherichia coli. Changes in the O-specific polysaccharide induced by cloning of the rfb genes. In *European Journal of Biochemistry*. Vol. 214, (1993), p. 259-265.

Citácie z WOS: 1

1. D'Souza JM; Samuel GN; Reeves PR
FEMS MICROBIOLOGY LETTERS 2005, Vol 244, pp 27-32

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Shilina YV; Molozhava OS
CYTOLOGY AND GENETICS 2004, Vol 38, pp 65-80

KOGAN, G. - MATULOVÁ, M. - MICHALKOVÁ, E. Extracellular polysaccharides of Penicillium vermiculatum. In *Zeitschrift für Naturforschung C*. Vol. 57c, (2002), p. 452-458.

Citácie z WOS: 1

1. Gola G; Libenson P; Gandolfi-Donadio L; Gallo-Rodriguez C
ARKIVOC 2005, Part 12, pp 234-242

KOGAN, G. - RAUKO, P. - MACHOVÁ, E. Fungal chitin–glucan derivatives exert protective or damaging activity on plasmid DNA. In *Carbohydrate Research*. Vol. 338, (2003), p. 931-935.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - TÓTHOVÁ, K. - PRAŽMÁRIOVÁ, E. - NAĐOVÁ, S. Effect of biologically active compound on different genetic model systems. In ZIMA, M. - BOLEČEK, P. - OMELKA, R. *Progress in Biology: Proceedings of the International Scientific Conference „4th Biological Days”, Nitra, September 8-9, 2005*. Nitra: Fakulta prírodných vied UKF, Edícia Príroovedec č. 178, 2005. ISBN 80-8050-864-X. p. 411-415.

KOGAN, G. - STAŠKO, A. - BAUEROVÁ, K. - POLOVKA, M. - ŠOLTÉS, L. - BREZOVÁ, V. - NAVAROVÁ, J. - MIHALOVÁ, D. Antioxidant properties of yeast (1→3)- β -D-glucan studied by electron paramagnetic resonance spectroscopy and its activity in the adjuvant arthritis. In *Carbohydrate Polymers*. Vol. 61, (2005), p. 18-28.

Citácie z WOS: 1

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230

KOGAN, G. - ŠANDULA, J. - 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*. Vol. 2, (2002), p. 775-781.

Citácie z WOS: 2

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA

CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230

2. Manna F; Ahmed HH; Estefan SF; Sharaf HA; Eskander EF

PHARMAZIE 2005, Vol 60, pp 689-695

KOGAN, G. - ŠANDULA, J. - ŠIMKOVICOVÁ, V. Glucomannan from *Candida utilis*.

Structural investigation. In *Folia Microbiologica*. Vol. 38, (1993), p. 219-224.

Citácie z WOS: 1

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450

KOGAN, G. - UHRÍN, D. - BRISSON, J.R. - JENNIGS, H.J. Structural basis of the *Neisseria meningitidis* immunotypes including the L4 and L7 immunotypes. In *Carbohydrate Research*. Vol. 298, (1997), p. 191-199.

Citácie z WOS: 4

1. Cox AD; Zou W; Gidney MAJ; Lacelle S; Plested JS; Makepeace K; Wright JC; Coull PA; Moxon ER; Richards JC
VACCINE 2005, Vol 23, pp 5045-5054
2. Michael FS; Li JJ; Cox AD
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1253-1257
3. Kahler CM; Datta A; Tzeng YL; Carlson RW; Stephens DS
GLYCOBIOLOGY 2005, Vol 15, pp 409-419
4. St Michael F; Li JJ; Howard MD; Duncan AJ; Inzana TJ; Cox AD
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 665-672

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. RAHMAN, M.M. - PAVLIAK, V. Heterogeneity of inner core oligosaccharide structure of lipooligosaccharide (LOS) from *Neisseria meningitidis* strain 120M representing L9 immunotype. In *Book of Abstracts of the 13rd European Carbohydrate Symposium, Bratislava, Slovakia, 21-26 August 2005*. Bratislava: VEDA, 2005. p. P128. ISBN 80-969359-6-8.

KOGAN, G. - UHRÍN, D. - BRISSON, J.R. - PAOLETTI, L.C. - BLODGETT, A.E. - KASPER, D.L. - JENNINGS, H.J. Structural and immunochemical characterization of the type VIII group B *Streptococcus* capsular polysaccharide. In *Journal of Biological Chemistry*. Vol. 271, (1996), p. 8786-8790.

Citácie z WOS: 4

1. Fluegge K; Supper S; Siedler A; Berner R
CLINICAL INFECTIOUS DISEASES 2005, Vol 40, pp 760-763
2. Seepersaud R; Hanniffy SB; Mayne P; Sizer P; Le Page R; Wells JA
INFECTION AND IMMUNITY 2005, Vol 73, pp 1671-1683
3. Lindahl G; Stalhammar-Carlemalm M; Areschoug T
CLINICAL MICROBIOLOGY REVIEWS 2005, Vol 18, pp 102-127
4. Aoyagi Y; Adderson EE; Min JG; Matsushita M; Fujita T; Takahashi S; Okuwaki Y; Bohnsack JF
JOURNAL OF IMMUNOLOGY 2005, Vol 174, pp 418-425

Citácie podľa iných indexov a báz (SCOPUS): 2

1. Al-Sweih N; Hammoud M; Al-Shimmiri M; Jamal M; Neil L; Rotimi V
ARCHIVES OF GYNECOLOGY AND OBSTETRICS 2005, Vol 272, pp 131-135
2. Le Theo E; Reglier-Poupet H; Trieu-Cuot P; Poyart C
FEUILLETS DE BIOLOGIE 2004, Vol 45, pp 5-17

KOHN, R. - HEINRICHOVÁ, K. - MALOVÍKOVÁ, A. Binding of cadmium(II) and copper(II) ions to oligogalacturonic acids. In *Collection of Czechoslovak Chemical Communications*. Vol. 48, (1983), p. 1922-1935.

Citácie z WOS: 1

1. Jiang CM; Liu SC; Wu MC; Chang WH; Chang HM
FOOD CHEMISTRY 2005, Vol 91, pp 551-555

KOHN, R. - HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - TOMAN, R. Distribution pattern of uronic acid units in 4-O-methyl-O-glucurono-O-xylan of beech (*Fagus sylvatica L.*). In *Collection of Czechoslovak Chemical Communications*. Vol. 51, (1986), p. 2243-2249.

Citácie z WOS: 1

1. Willfor S; Sundberg A; Pranovich A; Holmbom B
WOOD SCIENCE AND TECHNOLOGY 2005, Vol 39, pp 601-617

KOHN, R. - MALOVÍKOVÁ, A. Intramolecular binding of calcium ions to L-guluronan and D-galacturonan. In *Collection of Czechoslovak Chemical Communications*. Vol. 46, (1981), p. 1701-1707.

Citácie z WOS: 1

1. Wehr JB; Menzies NW; Blamey FPC
PLANT PHYSIOLOGY AND BIOCHEMISTRY 2004, Vol 42, pp 485-492

KOHN, R. - MALOVÍKOVÁ, A. Dissociation of acetyl derivatives of pectic acid and intramolecular binding of calcium ions to those substances. In *Collection of Czechoslovak Chemical Communications*. Vol. 43, (1978), p. 1709-1719.

Citácie z WOS: 3

1. M'sakni NH; Zayane H; Majdoub H; Morvan C; Roudesli S; Deratani A
E-POLYMERS 2005, Art. No. 063
2. Szu SSC; Bystricky S
METHODS IN ENZYMOLOGY 2003, Vol 363, pp 552-567
3. Ralet MC; Crepeau MJ; Buchholt HC; Thibault JF
BIOCHEMICAL ENGINEERING JOURNAL 2003, Vol 16, pp 191-201

KOHN, R. - MARKOVIČ, O. - MACHOVÁ, E. Deesterification mode of pecti by pectiesterases of *Aspergillus foetidus*, tomatoes, and alfalfa. In *Collection of Czechoslovak Chemical Communications*. Vol. 48, (1983), p. 790-792.

Citácie z WOS: 7

1. Ingallinera B; Barbagallo RN; Spagna G; Palmeri R; Todaro A
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 258-263
2. Hellin P; Ralet MC; Bonnin E; Thibault JF
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 307-317
3. Jiang CM; Liu SC; Wu MC; Chang WH; Chang HM
FOOD CHEMISTRY 2005, Vol 91, pp 551-555
4. Spagna G; Barbagallo RN; Ingallinera B
ENZYME AND MICROBIAL TECHNOLOGY 2003, Vol 32, pp 174-177
5. Ralet MC; Crepeau MJ; Buchholt HC; Thibault JF
BIOCHEMICAL ENGINEERING JOURNAL 2003, Vol 16, pp 191-201
6. Quemener B; Desire C; Lahaye M; Debrauwer L; Negroni L
EUROPEAN JOURNAL OF MASS SPECTROMETRY 2003, Vol 9, pp 45-60
7. Mohamed SA; Christensen TMIE; Mikkelsen JD
CARBOHYDRATE RESEARCH 2003, Vol 338, pp 515-524

KOLAROV, J. - KOLAROVA, N. - NELSON, N. A 3rd ADP/ATP translocator gene in yeast. In *Journal of Biological Chemistry*. Vol. 265, (1990), p. 12711-12716.

Citácie z WOS: 6

1. Dahout-Gonzalez C; Ramus C; Dassa EP; Dianoux AC; Brandolin G
BIOCHEMISTRY 2005, Vol 44, pp 16310-16320
2. Chevrollier A; Loiseau D; Chabi B; Renier G; Douay O; Malthiery Y; Stepien G
JOURNAL OF BIOENERGETICS AND BIOMEMBRANES 2005, Vol 37, pp 307-316
3. Monne M; Chan KW; Slotboom DJ; Kunji ERS
PROTEIN SCIENCE 2005, Vol 14, pp 3048-3056
4. Dzugasova V; Subik J
FOLIA MICROBIOLOGICA 2005, Vol 50, pp 293-299
5. Postis V; Lousa CD; Arnou B; Lauquin GJM; Trezeguet V
BIOCHEMISTRY 2005, Vol 44, pp 14732-14740
6. Kore-eda S; Noake C; Ohishi M; Ohnishi J; Cushman JC
FUNCTIONAL PLANT BIOLOGY 2005, Vol 32, pp 451-466

KOLAROVA, N. - MATULOVÁ, M. - CAPEK, P. Structure of glucomannan-protein from the yeast *Cryptococcus laurentii*. In *Journal of Carbohydrate Chemistry*. Vol. 16, (1997), p. 609-623.

Citácie z WOS: 3

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450
2. Ratcliffe I; Williams PA; Viebke C; Meadows J
BIOMACROMOLECULES 2005, Vol 6, pp 1977-1986
3. Chevalier R; Esnault J; Vandewalle P; Sendid B; Colombel JF; Poulain D; Mallet JM
TETRAHEDRON 2005, Vol 61, pp 7669-7677

KOLENOVÁ, K. - VRŠANSKÁ, M. - BIELY, P. Purification and characterization of two minor endo- β -1,4-xylanases of *Schizophyllum commune*. In *Enzyme and Microbial Technology*. Vol. 36, (2005), p. 903-910.

Citácie z WOS: 1

1. Milagres AMF; Magalhaes PO; Ferraz A
FEMS MICROBIOLOGY LETTERS 2005, Vol 253, pp 267-272

KÓŇA, J. - FABIAN, W.M.F. - ZAHRADNÍK, P. Ab initio and DFT studies on the mechanism of ring-opening reactions of 4H-1-benzopyran-4-one with hydroxide ion. In *Journal of the Chemical Society-Perkin Transaction 2*. Iss. 3, (2001), p. 422-426.

Citácie z WOS: 1

1. Terzidis M; Tsoleridis CA; Stephanidou-Stephanatou J
TETRAHEDRON LETTERS 2005, Vol 46, pp 7239-7242

KÓŇA, J. - ZAHRADNÍK, P. - FABIAN, W.M.F. Nucleophilic substitution by a hydroxide ion at a vinylic carbon: Ab initio and density functional theory studies on methoxyethene, 3-methoxypropenal, 2,3-dihydro-4H-pyran-4-one, and 4H-pyran-4-one. In *Journal of Organic Chemistry*. Vol. 66, (2001), p. 4998-5007.

Citácie z WOS: 3

1. Wang X; Li SH, Jiang YS
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 10770-10775
2. Terzidis M; Tsoleridis CA; Stephanidou-Stephanatou J

TETRAHEDRON LETTERS 2005, Vol 46, pp 7239-7242

3. Contini A; Clerici F; Sironi M; Trimarco P

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 726, pp 107-113

KÓŇA, J. - ZAHRADNÍK, P. - FABIAN, W.M.F. Ab initio and density functional theory studies on the mechanism of nucleophilic vinylic substitution of 4H-pyran-4-one and 2-methyl-4H-pyran-4-one with ammonia. In *Theoretical Chemistry Accounts*. Vol. 109, (2003), p. 176-181.

Citácie z WOS: 1

1. Contini A; Clerici F; Sironi M; Trimarco P

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 726, pp 107-113

KOÓŠ, M. - MOSHER, H.S. A convenient synthesis of apiose. In *Carbohydrate Research*. Vol. 146, (1986), p. 335-341.

Citácie z WOS: 1

1. Yun M; Moon HR; Kim HO; Choi WJ; Kim YC; Park CS; Jeong LS

TETRAHEDRON LETTERS 2005, Vol 46, pp 5903-5905

KOÓŠ, M. - STEINER, B. - GAJDOS, J. Synthesis of some sulfur bridged pyrimidines, pyrazoles and imidazoles. In *First International Electronic Conference on Synthetic Organic Chemistry (ECSOC-1)*, www.mdpi.org/ecsoc/, September 1-30, 1997. Available at <http://pages.unibas.ch/mdpi/ecsoc/a0005/a0005.htm>

Citácie podľa iných indexov a báz (Google): 1

1. Physical Sciences Information Gateway - PSIGate. Available at

<http://www.psigate.ac.uk/roads/cgi-bin/psifullrecord.pl?handle=1023635990-4379>.

KOÓŠ, M. - STEINER, B. - MIČOVÁ, J. - LANGER, V. - ĎURÍK, M. - GYEPESOVÁ, D. Synthesis and structure determination of some sugar amino acids related to alanine and 6-deoxymannojirimycin. In *Carbohydrate Research*. Vol. 332, (2001), p. 351-361.

Citácie z WOS: 1

1. de Souza MVN; Ferreira SB; Mendonca JS; Costa M; Rebello FR

QUIMICA NOVA 2005, Vol 28, pp 77-84

KOÓŠ, M. - STEINER, B. - NOVOTNÁ, Z. Influence of structure on antimicrobial activity of some heterocycles. IV. 1-(3-Alkylamino-2-hydroxypropyl)-2-methyl-5-nitroimidazoles. In *Chemical Papers-Chemické Zvesti*. Vol. 48, (1994), p. 54-57.

Citácie z WOS: 1

1. Sun Q; Li Z; Zeng XQ; Ge MF; Wang DX

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 724, pp 167-172

KOSSACZKÁ, Z. - BYSTRICKÝ, S. - 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*. Vol. 65, (1997), p. 2088-2093.

Citácie z WOS: 2

1. Jones C

ANAIAS DA ACADEMIA BRASILEIRA DE CIENCIAS 2005, Vol 77, pp 293-324

2. Richter MY; Jakobsen H; Haeuw JF; Power UF; Jonsdottir I

INFECTION AND IMMUNITY 2005, Vol 73, pp 956-964

KOŠÍKOVÁ, B. - DEMIANOVÁ, V. - KAČURÁKOVÁ, M. Sulfur-free lignins as composites of polypropylene films. In *Journal of Applied Polymer Science*. Vol. 47, (1993), p. 1065-1073.

Citácie z WOS: 1

1. Abu-Sharkh B; Rychly J; Matisova-Rychla L
JOURNAL OF MATERIALS SCIENCE 2005, Vol 40, pp 613-619

KOŠÍKOVÁ, B. - EBRINGEROVÁ, A. Reactivity of lignin and polysaccharides in the individual parts of beech tree (*Fagus sylvatica* L.). In *Drevársky výskum*. Vol. 108, (1986), p. 43-50.

Citácie z WOS: 1

1. Willfor S; Sundberg A; Pranovich A; Holmbom B
WOOD SCIENCE AND TECHNOLOGY 2005, Vol 39, pp 601-617

KOŠÍKOVÁ, B. - EBRINGEROVÁ, A. - KAČURÁKOVÁ, M. Effect of steaming on the solubility and structural changes of wood lignin-polysaccharide complex. In *Cellulose Chemistry and Technology*. Vol. 29, (1995), p. 683-690.

Citácie z WOS: 1

1. Li JB; Henriksson G; Gellerstedt G
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 125, pp 175-188

KOŠÍKOVÁ, B. - EBRINGEROVÁ, A. - NARAN, R. Characterization of lignin-carbohydrate fractions isolated from the wood parasite *Cistanche deserticola* Y. C. Ma. In *Holzforschung*. Vol. 53, (1999), p. 33-38.

Citácie z WOS: 1

1. Wu XM; Gao XM; Tsim KWK; Tu PF
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 37, pp 278-282

KOŠÍKOVÁ, B. - KAČURÁKOVÁ, M. - DEMIANOVÁ, V. Photooxidation of the composite lignin polypropylene films. In *Chemical Papers-Chemické Zvesti*. Vol. 47 (1993), p. 132-136.

Citácie z WOS: 1

1. Pouteau C; Cathala B; Dole P; Kurek B; Monties B
INDUSTRIAL CROPS AND PRODUCTS 2005, Vol 21, pp 101-108

KOŠÍKOVÁ, B. - ZÁKUTNÁ, L. - JONIAK, D. Investigation of the lignin-saccharide complex by electron microscopy. In *Holzforschung*. Vol. 32, (1978), p. 15-18.

Citácie z WOS: 1

1. Yang R; Xu S; Wang Z; Yang W
LWT-FOOD SCIENCE AND TECHNOLOGY 2005, Vol 38, pp 677-682

KOVÁČ, P. - ALFÖLDI, J. - KOČIŠ, P. - PETRÁKOVÁ, E. - HIRSCH, J. ^{13}C -NMR spectra of a series of oligoglucuronic acid derivatives and structurally related (4-O-methylglucurono) xylan. In *Cellulose Chemistry & Technology*. Vol. 16, (1982), p. 261-269.

Citácie z WOS: 1

1. Hromadkova Z; Ebringerova A
ULTRASONICS SONOCHEMISTRY 2003, Vol 10, pp 127-133

KOVÁČ, P. - HIRSCH, J. Sequential synthesis and ^{13}C -NMR spectra of methyl β -D-glycosides of (1 \rightarrow 4)- β -D-xylooligosaccharides. In *Carbohydrate Research*. Vol. 100, (1982), p. 177-193.

Citácie z WOS: 1

1. Nandini CD; Salimath PV

JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE 2003, Vol 83, pp 1297-1302

KOVÁČ, P. - HIRSCH, J. - KOVÁČIK, V. Synthesis and reactions of uronic acid derivatives. II. β -Elimination reactions of some derivatives of methyl 3,4-O-isopropylidene-D-galacturonate. In *Carbohydrate Research*. Vol. 32, (1974), p. 360-365.

Citácie z WOS: 2

1. Buffet MAJ; Rich JR; McGavin RS; Reimer KB

CARBOHYDRATE RESEARCH 2004, Vol 339, pp 2507-2513

2. De Lederkremer RM; Marino C

ADVANCES IN CARBOHYDRATE CHEMISTRY AND BIOCHEMISTRY 2003, Vol 58, pp 199-306

KOVÁČ, P. - HIRSCH, J. - KOVÁČIK, V. Alternative syntheses of methylated sugars XV. Chemical synthesis of methyl β -xylobioside. In *Chemické Zvesti*. Vol. 32, (1978), p. 514-518.

Citácie z WOS: 1

1. Mastihubova M; Biely P

CARBOHYDRATE RESEARCH 2004, Vol 339, pp 2101-2110

KOVÁČ, P. - HIRSCH, J. - SHASHKOV, A.S. - USOV, A.I. - YAROTSKY, S.V. ^{13}C -NMR spectra of xylooligosaccharides and their application to the elucidation of xylan structure. In *Carbohydrate Research*. Vol. 85, (1980), p. 177-185.

Citácie z WOS: 2

1. Nandini CD; Salimath PV

JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE 2003, Vol 83, pp 1297-1302

2. Cordeiro LMC; Reis RA; Tischer CA; Gorin PAJ; Ferreira JC; Iacomini M

FEMS MICROBIOLOGY LETTERS 2003, Vol 220, pp 89-94

KOVÁČIK, V. - BAUER, Š. - ROSÍK, J. - KOVÁČ, P. Mass spectrometry of uronic acid derivatives. III. The fragmentation of methyl ester methyl glycosides of methylated uronic and aldobiouronic acids. In *Carbohydrate Research*. Vol. 8, (1968), p. 282-290.

Citácie z WOS: 1

1. Yang BY; Montgomery R

CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2698-2705

KOVÁČIK, V. - HIRSCH, J. - KOVÁČ, P. - 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*. Vol. 30, (1995), p. 949-958.

Citácie z WOS: 3

1. Harvey DJ

EXPERT REVIEW OF PROTEOMICS 2005, Vol 2, pp 87-101

2. Harvey DJ

PROTEOMICS 2005, Vol 5, pp 1774-1786

3. Lewandrowski U; Resemann A; Sickmann A
ANALYTICAL CHEMISTRY 2005, Vol 77, pp 3274-3283

KOVÁČIK, V. - PÄTOPRSTÝ, V. - ČÁSLAVSKÝ, J. - CHMELÍK, J. - MISTRÍK, R. - KOVÁČ, P. The use of Mass Frontier software in the elucidation of electrospray tandem mass spectrometry fragmentation of $[M+Na]^+$ ions of oligomeric lipopolysaccharide models. In *Proceedings of the 50th ASMS Conference on Mass Spectrometry and Allied Topics, Orlando, Florida, June 2-6, 2002*. Santa Fe: American Society for Mass Spectrometry, 2002. CD-Rom.
Citácie z WOS: 1

1. Halket JM; Waterman D; Przyborowska AM; Patel RKP; Fraser PD; Bramley PM
JOURNAL OF EXPERIMENTAL BOTANY 2005, Vol 56, pp 219-243

KOVÁČIK, V. - PÄTOPRSTÝ, V. - HAVLÍČEK, V. - KOVÁČ, P. Matrix-assisted laser desorption/ionization and electrospray ionization mass spectrometry: sodium-cationized oligosaccharides do not exhibit "internal-residue loss" rearrangement. In *European Mass Spectrometry*. Vol. 4, (1998), p. 417-420.

Citácie z WOS: 1

1. Franski R; Gierczyk B; Schroeder G; Beck S; Springer A; Linscheid M
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1567-1572

KOVÁČIK, V. - PÄTOPRSTÝ, V. - HIRSCH, J. Discrimination between pentose oligosaccharides containing D-xylopyranose or L-arabinofuranose as non-reducing terminal residue using fast atom bombardment mass spectrometry. In *Journal of Mass Spectrometry*. Vol. 36, (2001), p. 379-383.

Citácie z WOS: 1

1. Antonopoulos A; Favetta P; Jacquinet JC; Lafosse M
JOURNAL OF MASS SPECTROMETRY 2005, Vol 40, pp 1628-1636

KOŽÁR, T. - TVAROŠKA, I. Theoretical studies on the conformation of saccharides. I. Conformational flexibility of pyranose ring. In *Theoretica Chimica Acta*. Vol. 53, (1979), p. 9-19.

Citácie z WOS: 1

1. Martinez K; Cortes F; Leal I; Reyna V; Quintana D; Antunez S; Cuevas G
ARKIVOC 2003, Part 11, pp 132-148

KOŽÁR, T. - TVAROŠKA, I. - CARVER, J.P. Studies on the conformational behaviour of GlcNAc-Man(3)-GlcNAc(2) oligosaccharides using molecular dynamics simulations. In *Glycoconjugate Journal*. Vol. 15, (1998), p. 187-191.

Citácie z WOS: 1

1. Ko H; Shim G; Kim Y
BULLETIN OF THE KOREAN CHEMICAL SOCIETY 2005, Vol 26, pp 2001-2006

KRÁTKY, Z. - BIELY, P. - BAUER, Š. Wall mannan of *Saccharomyces cerevisiae*: metabolic stability and release into growth medium. In *Biochimica et Biophysica Acta*. Vol. 404, (1975), p. 1-6.

Citácie z WOS: 1

1. De Groot PWJ; Ram AF; Klis FM
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 657-675

KRÁTKY, Z. - BIELY, P. - BAUER, Š. Mechanism of 2-deoxy-D-glucose inhibition of cell wall polysaccharide and glycoprotein biosyntheses in *Saccharomyces cerevisiae*. In *European Journal of Biochemistry*. Vol. 54, (1975), p. 459-467.

Citácie z WOS: 3

1. Kortekamp A
MYCOLOGICAL RESEARCH 2005, Vol 109, pp 640-648
2. Back SH; Schroder M; Lee K; Zhang KZ; Kaufman RJ
METHODS 2005, Vol 35, pp 395-416
3. Ryazanova LP; Stepnaya OA; Suzina NE; Kulaev IS
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 557-564

KREMNICKÝ, L. - MASTIHUBA, V. - CÔTÉ, G.L. *Trichoderma reesei* acetyl esterase catalyzes transesterification in water. In *Journal of Molecular Catalysis B - Enzymatic*. Vol. 30, (2004), p. 229-239.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. BIELY, P. - NAVARETTE, M. - MASTIHUBOVÁ, M. - TENKANEN, M. - EYZAGUIRRE, J. Fungal hemicellulolytic carbohydrate esterases with different positional specificity. In *Proceedings of the 6th Carbohydrate Bioengineering Meeting, Barcelona, Spain, 3-6 April 2005*. Barcelona: CosmoCaixa. ISBN 84-609-4444-1. p. P55.

KRIST, P. - HERKOMMEROVÁ-RAJNOCHOVÁ, E. - RAUVOLFOVÁ, J. - SEMEŇUK, T. - VAVRUŠKOVÁ, P. - PAVLÍČEK, J. - BEZOUŠKA, K. - PETRUŠ, L. - KŘEN, V. Toward an optimal oligosaccharide ligand for rat natural killer cell activation receptor NKR-P1. In *Biochemical and Biophysical Research Communications*. Vol. 287, (2001), p. 11-20.

Citácie z WOS: 2

1. Teodorovic P; Slattegard R.; Oscarson S
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2675-2676
2. Popelova A; Kefurt K; Hlavackova M; Moravcova J
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 161-166

KRIST, P. - VANNUCCI, L. - KUZMA, M. - MAN, P. - SADALAPURE, K. - PATEL, A. - BEZOUŠKA, K. - POSPÍŠIL, M. - PETRUŠ, L. - LINDHORST, T.K. - KŘEN, V. Fluorescent labelled thiourea-bridged glycodendrons. In *ChemBioChem* Vol. 5, (2004), p. 445-452.

Citácie z WOS: 1

1. Khopade AJ; Mohwald H
MACROMOLECULAR RAPID COMMUNICATIONS 2005, Vol 26, pp 445-449

KRIŽKOVÁ, L. - ĎURAČKOVÁ, Z. - ŠANDULA, J. - SASINKOVÁ, V. - KRAJČOVIČ, J. Antioxidative and antimutagenic activity of yeast cell wall mannans in vitro. In *Mutation Research*. Vol. 497, (2001), p. 213-222.

Citácie z WOS: 6

1. Trebaticka M; Svidova S; Grolmus J; Rauko P; Kogan G; Miadokova E
BIOLOGIA 2005, Vol 60, Suppl 17, pp 119-121
2. Mavor AL; Thewes S; Hube B
CURRENT DRUG TARGETS 2005, Vol 6, pp 863-874
3. Fleuri LF; Sato HH
QUIMICA NOVA 2005, Vol 28, pp 871-879
4. Manna F; Ahmed HH; Estefan SF; Sharaf HA; Eskander EF

- PHARMAZIE 2005, Vol 60, pp 689-695
5. Zhang AW; Lee BD; Lee SK; Lee KW; An GH; Song KB; Lee CH
POULTRY SCIENCE 2005, Vol 84, pp 1015-1021
 6. Freimund S; Janett S; Arrigoni E; Amado R
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 101-105

KRIŽKOVÁ, L. - ĎURAČKOVÁ, Z. - ŠANDULA, J. - SLAMEŇOVÁ, D. - SASINKOVÁ, V. - SIVOŇOVÁ, M. - KRAJČOVIČ, J. Fungal β -(1-3)-D-glucan derivatives exhibit high antioxidative and antimutagenic activity in vitro. In *Anticancer Research*. Vol. 23, (2003), p. 2751-2756.

Citácie z WOS: 5

1. Subramanian M; Chintalwar GJ; Chattopadhyay S
REDOX REPORT 2005, Vol 10, pp 257-264
2. Liu G; Liu JH; Song DS; Dong Q; Ou JM; Yang AM
SPECTROSCOPY AND SPECTRAL ANALYSIS 2005, Vol 25, pp 1053-1056
3. Kogan G; Stasko A; Bauerova K; Polovka M; Soltes L; Brezova V; Navarova J; Mihalova D
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 18-28
4. Sener G; Toklu H; Ercan F; Erkanli G
INTERNATIONAL IMMUNOPHARMACOLOGY 2005, Vol 5, pp 1387-1396
5. Wang BJ; Won SJ; Yu ZR; Su CL
FOOD AND CHEMICAL TOXICOLOGY 2005, Vol 43, pp 543-552

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. VLČKOVÁ, V. - NAĎOVÁ, S. - DÚHOVÁ, V. - SVIDOVÁ, S. - KOGAN, G. - MIADOKOVÁ, E. Carboxymethyl glucan-yeast polysaccharide with antimutagenic and bioprotective effects. In *Abstracts of the 33rd Annual Conference on Yeasts, Smolenice, Slovakia, 11-13 May 2005*. ISSN 1336-4839. p. 57.

KUBALA, J. - KUČÁR, Š. - KOZÁK, J. Spôsob prípravy opticky aktívnej 2-deoxy-L-ribózy. In *CS Patent 274394* (1991).

Citácie z WOS: 1

1. Han SH; Qu GR; Li Y
CHINESE JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 25, pp 526-531

KUČÁR, Š. - ZÁMOCKÝ, J. - ZEMEK, J. - ANDERLE, D. - MATULOVÁ, M. Partial hydrolysis of acyl 1,6-anhydro- β -D-glucopyranose. In *Collection of Czechoslovak Chemical Communications*. Vol. 49, (1984), p. 1780-1787.

Citácie z WOS: 1

1. Kulkarni SS; Lee JC; Hung SC
CURRENT ORGANIC CHEMISTRY 2004, Vol 8, pp 475-509

KURILLOVÁ, L. - GEMEINER, P. - VIKARTOVSKÁ, A. - 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*. Vol. 17, (2000), p. 279-296.

Citácie z WOS: 1

1. Tishkov VI; Khoronenkova SV
BIOCHEMISTRY-MOSCOW 2005, Vol 70, pp 40-54

KUTSCHY, P. - SUCHÝ, M. - ANDREANI, A. - DZURILLA, M. - KOVÁČIK, V. - ALFÖLDI, J. - ROSSI, M. - GRAMATOVÁ, M. A new approach to the synthesis of rare thiazino[6,5-b]indol-4-one derivatives. First total synthesis of the indole phytoalexin cyclobrassinon. In *Tetrahedron*. Vol. 58, (2002), p. 9029-9039.

Citácie z WOS: 3

1. Kawasaki T; Higuchi K
NATURAL PRODUCT REPORTS 2005, Vol 22, pp 761-793
2. Davies JR; Kane PD; Moody CJ; Slawin AMZ
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 5840-5851
3. Mayouf AM
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY 2005, Vol 172, pp 258-268

LÁBAJ, J. - SLAMEŇOVÁ, D. - KOŠÍKOVÁ, B. 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*. Vol. 47, (2003), p. 95-103.

Citácie z WOS: 2

1. Sassen AW; Richter E; Semmler MP; Harreus UA; Gamarra F; Kleinsasser NH
TOXICOLOGICAL SCIENCES 2005, Vol 88, pp 134-141
2. Sakagami H; Hashimoto K; Suzuki F; Ogiwara T; Satoh K; Ito H; Hatano T; Takashi Y; Fujisawa SI
PHYTOCHEMISTRY 2005, Vol 66, pp 2108-2120

LABUDOVÁ, I. - FARKAŠ V. Enrichment technique for the selection of catabolite repression-resistant mutants of *Trichoderma* as producers of cellulose. In *FEMS Microbiology Letters*. Vol. 20, (1983), p. 211-215.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Khattab AA; Bazaraa WA
JOURNAL OF INDUSTRIAL MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 32, pp 289-294

LÁCOVÁ, M. - EL-SHAER, H.M. - LOOS, D. - MATULOVÁ, M. - CHOVANCOVÁ, J. - FURDÍK M. Evaluation of effect of microwave irradiation on syntheses and reactions of some new 3-acyl-methyl-chromones. In *Molecules*. Vol. 3, (1998), p. 120-131.

Citácie z WOS: 1

1. Kuznetsov DV; Raev VA; Kuranov GL; Arapov OV; Kostikov RR
RUSSIAN JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 41, pp 1719-1749

LATTOVÁ, E. - PERREAULT, H. Profiling of N-linked oligosaccharides using phenylhydrazine derivatization and mass spectrometry. In *Journal of Chromatography A*. Vol. 1016, (2003), p. 71-87.

Citácie z WOS: 6

1. Nana K; Itoh S; Harazono A; Hashii N; Matsuishi Y; Hayakawa T; Kawanishi T
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 193-203
2. Morelle W; Michalski JC
CURRENT ANALYTICAL CHEMISTRY 2005, Vol 1, pp 29-57
3. Wuhrer M; Deelder AM; Hokke CH
JOURNAL OF CHROMATOGRAPHY B 2005, Vol 825, pp 124-133
4. Beaudoin ME; Gauthier J; Boucher I; Waldron KC

JOURNAL OF SEPARATION SCIENCE 2005, Vol 28, pp 1390-1398

5. Morelle W; Michalski JC
CURRENT PHARMACEUTICAL DESIGN 2005, Vol 11, pp 2615-2645
6. Niikura K; Kamitani R; Kuroguchi M; Uematsu R; Shinohara Y; Nakagawa H; Deguchi K; Monde K; Kondo H; Nishimura SI
CHEMISTRY-A EUROPEAN JOURNAL 2005, Vol 11, pp 3825-3834

LATTOVÁ, E. - PERREAUXT, H. Labelling saccharides with phenylhydrazine for electrospray and matrix-assisted laser desorption-ionization mass spectrometry. In *Journal of Chromatography B*. Vol. 793, (2003), p. 167-179.

Citácie z WOS: 2

1. Wuhrer M; Deelder AM; Hokke CH
JOURNAL OF CHROMATOGRAPHY B 2005, Vol 825, pp 124-133
2. Beaudoin ME; Gauthier J; Boucher I; Waldron KC
JOURNAL OF SEPARATION SCIENCE 2005, Vol 28, pp 1390-1398

LATTOVÁ, E. - PERREAUXT, H.N. - KROKHIN, O. Matrix-assisted laser desorption/ionization tandem mass spectrometry and post-source decay fragmentation study of phenylhydrazones of N-linked oligosaccharides from ovalbumin. In *Journal of the American Society for Mass Spectrometry*. Vol. 15, (2004), p. 725-735.

Citácie z WOS: 4

1. Halve AK; Gour P; Dubey R; Bhadauria D; Bhaskar B
JOURNAL OF THE INDIAN CHEMICAL SOCIETY 2005, Vol 82, pp 942-944
2. Wuhrer M; Deelder AM; Hokke CH
JOURNAL OF CHROMATOGRAPHY B 2005, Vol 825, pp 124-133
3. Beaudoin ME; Gauthier J; Boucher I; Waldron KC
JOURNAL OF SEPARATION SCIENCE 2005, Vol 28, pp 1390-1398
4. Harvey DJ
PROTEOMICS 2005, Vol 5, pp 1774-1786

LEE, H. - BIELY, P. - 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*. Vol. 52, (1986), p. 320-324.

Citácie z WOS: 1

1. Lin CC; Hsieh PC; Mau JL; Teng DF
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 107-117

LEITER, H. - MUCHA, J. - STAUDACHER, E. - GRIMM, R. - GLOSSL, J. - ALTMANN, F. Purification, cDNA cloning, and expression of GDP-L-Fuc : Asn-linked GlcNAc alpha 1,3-fucosyltransferase from mung beans. In *Journal of Biological Chemistry*. Vol. 274, (1999), p. 21830-21839.

Citácie z WOS: 2

1. Castilho A; Cunha M; Afonso AR; Morais-Cecilio L; Fevereiro PS; Viegas W
GENOME 2005, Vol 48, pp 168-176
2. Jost F; de Vries T; Knegtel RMA; Macher BA
GLYCOBIOLOGY 2005, Vol 15, pp 165-175

LORITO, M. - FARKAŠ, V. - REBUFFAT, S. - BODO, B. - KUBICEK, C.P. Cell wall synthesis is a major target of mycoparasitic antagonism by *Trichoderma harzianum*. In *Journal of Bacteriology*. Vol. 178, (1996), p. 6382-6385.

Citácie z WOS: 3

1. Carpenter MA; Stewart A; Ridgway HJ
FEMS MICROBIOLOGY LETTERS 2005, Vol 251, pp 105-112
2. Grinyer J; Hunt S; McKay M; Herbert BR; Nevalainen H
CURRENT GENETICS 2005, Vol 47, pp 381-388
3. Amey RC; Mills PR; Bailey A; Foster GD
FUNGAL GENETICS AND BIOLOGY 2003, Vol 39, pp 264-275

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Szekeres A; Leitgeb B; Kredics L; Antal Z; Hatvani L; Manczinger L; Vagvolgyi C
ACTA MICROBIOLOGICA ET IMMUNOLOGICA HUNGARICA 2005, Vol 52, pp 137-168

LUNÁČKOVÁ, L. - MASAROVIČOVÁ, E. - LUX, A. Respiration rate and chemical composition of Karwinsky roots as affected by temperature. In *Biologia Plantarum*. Vol. 43, (2000), p. 611-613.

Citácie z WOS: 1

1. Huang XM; Lakso AN; Eissenstat DM
JOURNAL OF EXPERIMENTAL BOTANY 2005, Vol 56, pp 2651-2660

LUNÁČKOVÁ, L. - ŠOTTNÍKOVÁ, A. - MASAROVIČOVÁ, E. - LUX, A. - STREŠKO, V. Comparison of cadmium effect on willow and poplar in response to different cultivation conditions. In *Biologia Plantarum*. Vol. 47, (2003), p. 403-411.

Citácie z WOS: 3

1. Vassilev A; Perez-Sanz A; Semane B; Carleer R; Vangronsveld J
JOURNAL OF PLANT NUTRITION 2005, Vol 28, pp 2159-2177
2. Wojcik M; Tukiendorf A
BIOLOGIA PLANTARUM 2005, Vol 49, pp 237-245
3. Kevresan S; Cirin-Novta V; Kuhajda K; Kandrac J; Petrovic N; Grbovic L; Kevresan Z
BIOLOGIA PLANTARUM 2004, Vol 48, pp 453-455

LUX, A. - LUXOVÁ, M. - ABE, J. - MORITA, S. - INANAGA, S. Silicification of bamboo (*Phyllostachys heterocycla* Mitf.) root and leaf. In *Plant and Soil*. Vol. 255, (2003), p. 85-91.

Citácie z WOS: 1

1. Hodson MJ; White PJ; Mead A; Broadley MR
ANNALS OF BOTANY 2005, Vol 96, pp 1027-1046

LUX, A. - LUXOVÁ, M. - ABE, J. - TANIMOTO, E. - HATTORI, T. - INANAGA, S. The dynamics of silicon deposition in the sorghum root endodermis. In *New Phytologist*. Vol. 158, (2003), p. 437-441.

Citácie z WOS: 5

1. Hodson MJ; White PJ; Mead A; Broadley MR
ANNALS OF BOTANY 2005, Vol 96, pp 1027-1046
2. Ma JF
CRITICAL REVIEWS IN PLANT SCIENCES 2005, Vol 24, pp 267-281
3. Heine G; Tikum G; Horst WJ
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE-ZEITSCHRIFT FÜR PFLANZENERNAHRUNG UND BODENKUNDE 2005, Vol 168, pp 600-606
4. Ma JF
SOIL SCIENCE AND PLANT NUTRITION 2004, Vol 50, pp 11-18
5. Raven JA
NEW PHYTOLOGIST 2003, Vol 158, pp 419-421

LUX, A. - LUXOVÁ, M. - HATTORI, T. - INANAGA, S. - SUGIMOTO, Y. Silicification in sorghum (*Sorghum bicolor*) cultivars with different drought tolerance. In *Physiologia Plantarum*. Vol. 115, (2002), p. 87-92.

Citácie z WOS: 9

1. Hodson MJ; White PJ; Mead A; Broadley M
ANNALS OF BOTANY 2005, Vol 96, pp 1027-1046
2. Heine G; Tikum G; Horst WJ
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE-ZEITSCHRIFT FÜR PFLANZENERNAHRUNG UND BODENKUNDE 2005, Vol 168, pp 600-606
3. Gong H; Zhu X; Chen K; Wang S; Zhang C
PLANT SCIENCE 2005, Vol 169, pp 313-321
4. Rumberger MD; Lentzsch P; Munzenberger B; Huttel RF
MYCORRHIZA 2005, Vol 15, pp 307-312
5. Rumberger MD; Munzenberger B; Bens O; Ehrig F; Lentzsch P; Huttel RF
PLANT AND SOIL 2004, Vol 264, pp 111-126
6. Ma CC; Li QF; Gao YB; Xin TR
SOIL SCIENCE AND PLANT NUTRITION 2004, Vol 50, pp 623-632
7. Wang YX; Stass A; Horst WJ
PLANT PHYSIOLOGY 2004, Vol 136, pp 3762-3770
8. Zhu ZJ; Wei GQ; Li J; Qian QQ; Yu JQ
PLANT SCIENCE 2004, Vol 167, pp 527-533
9. Richmond KE; Sussman M
CURRENT OPINION IN PLANT BIOLOGY 2003, Vol 6, pp 268-272

LUX, A. - LUXOVÁ, M. - MORITA, S. - ABE, J. - INANAGA, S. Endodermal silicification in developing seminal roots of lowland and upland cultivars of rice (*Oryza sativa L.*). In *Canadian Journal of Botany - Revue Canadienne de Botanique*. Vol. 77, (1999), p. 955-960.

Citácie z WOS: 3

1. Shi XH; Zhang CC; Wang H; Zhang FS
PLANT AND SOIL 2005, Vol 272, pp 53-60
2. Tahir MN; Theato P; Muller WEG; Schroder HC; Janshoff A; Zhang J; Huth J; Tremel W
CHEMICAL COMMUNICATIONS 2004, Iss 24, pp 2848-2849
3. Ma JF
SOIL SCIENCE AND PLANT NUTRITION 2004, Vol 50, pp 11-18

LUX, A. - ŠOTTNÍKOVÁ, A. - OPATRNÁ, J. - GREGER, M. Differences in structure of adventitious roots in *Salix* clones with contrasting characteristics of cadmium accumulation and sensitivity. In *Physiologia Plantarum*. Vol. 120, (2004), p. 537-545.

Citácie z WOS: 2

1. Ranathunge K; Steudle E; Lafitte R
PLANT CELL AND ENVIRONMENT 2005, Vol 28, pp 1450-1462
2. Enstone DE; Peterson CA
PLANT CELL AND ENVIRONMENT 2005, Vol 28, pp 444-455

MACHOVÁ, E. - KOGAN, G. - ALFÖLDI, J. - ŠOLTÉS, L. - ŠANDULA, J. Enzymatic and ultrasonic depolymerization of carboxymethylated β -1,3-D-glucans derived from *Saccharomyces cerevisiae*. In *Journal of Applied Polymer Science*. Vol. 55, (1995), p. 699-704.

Citácie z WOS: 1

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230

MACHOVÁ, E. - KOGAN, G. - CHORVATOVIČOVÁ, D. - ŠANDULA, J. Ultrasonic depolymerization of the chitin-glucan complex from *Aspergillus niger* and antimutagenic activity of its product. In *Ultrasonics Sonochemistry*. Vol. 6, (1999), p. 111-114.

Citácie z WOS: 1

1. Wu T; Zivanovic S; Draughon FA; Conway WS; Sams CE
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 3888-3894

MACHOVÁ, E. - KOGAN, G. - ŠOLTÉS, L. - KVAPILOVÁ, K. - ŠANDULA, J. Ultrasonic depolymerization of the chitin-glucan isolated from *Aspergillus niger*. In *Reactive & Functional Polymers*. Vol. 42, (1999), p. 265-271.

Citácie z WOS: 1

1. Wang YJ; Yao SJ; Guan YX; Wu TX; Kennedy JF
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 93-99

MALKINA, O.L. - HRICOVÍNI, M. - BÍZIK, F. - MALKIN, V.G. Chemical shifts and spin-spin coupling constants in Me alpha-D-xylopyranoside: A DFT approach. In *Journal of Physical Chemistry A*. Vol. 105, (2001), p. 9188-9195.

Citácie z WOS: 1

1. Kleinpeter E; Koch A; Pihlaja K
TETRAHEDRON 2005, Vol 61, pp 7349-7358

MALOVÍKOVÁ, A. - HAYAKAWA, K. - KWAK, J.C.T. Surfactant-polyelectrolyte interactions. IV. Surfactant chain length dependence of the binding of alkylpyridinium cation to dextran sulfate. In *Journal of Physical Chemistry*. Vol. 88, (1984), p. 1930-1933.

Citácie z WOS: 9

1. Naderi A; Claesson PM; Bergstrom M; Dedinaite A
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS 2005, Vol 253, pp 83-93
2. Bai GY; Nichifor M; Lopes A; Bastos M
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 21681-21689
3. Komesvarakul N; Do LD; Nguyen TT; Scamehorn JF
SEPARATION SCIENCE AND TECHNOLOGY 2005, Vol 40, pp 2463-2478
4. Treeby M; Chitanu GC; Kogej K
JOURNAL OF COLLOID AND INTERFACE SCIENCE 2005, Vol 288, pp 280-289
5. Wang XY; Li YJ; Li JX; Wang JB; Wang YL; Guo ZX; Yan H
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 10807-10812
6. Tomasic V; Tomasic A; Smit I; Filipovic-Vincekovic N
JOURNAL OF COLLOID AND INTERFACE SCIENCE 2005, Vol 285, pp 342-350
7. Uhrikova D; Zajac I; Dubnickova M; Pisarcik M; Funari SS; Rapp G; Balgavy P
COLLOIDS AND SURFACES B-BIOINTERFACES 2005, Vol 42, pp 59-68
8. Bakshi MS; Sachar S
COLLOID AND POLYMER SCIENCE 2005, Vol 283, pp 671-676
9. Bai GY; Nichifor M; Lopes A; Bastos M
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 518-525

MALOVÍKOVÁ, A. - RINAUDO, M. - MILAS, M. On the characterization of polygalacturonate salts in dilute solution. In *Carbohydrate Polymers*. Vol. 22, (1993), p. 87-92.

Citácie z WOS: 2

1. Hunter JL; Wicker L
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE 2005, Vol 85, pp 2243-2248
2. Noto R; Martorana V; Bulone D; San Biagio PL
BIOMACROMOLECULES 2005, Vol 6, pp 2555-2562

MALOVÍKOVÁ, A. - RINAUDO, M. - MILAS, M. Comparative interactions of magnesium and calcium counterions with polygalacturonic acid. In *Biopolymers*. Vol. 34, (1994), p. 1059-1064.

Citácie z WOS: 2

1. Zsivanovits G; Marudova M; Ring S
COLLOID AND POLYMER SCIENCE 2005, Vol 284, pp 301-308
2. Mimmo T; Marzadori C; Montecchio D; Gessa C
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2510-2519

MARCHALÍN, Š. - CHUDÍK, M. - MASTIHUBA, V. - DECROIX, B. Use of enzymes in preparation of enantiopure 1,4-dihydropyridines. In *Heterocycles*. Vol. 48, (1998), p. 1943-1958.

Citácie z WOS: 2

1. Zhu SL; Tu SJ; Gao Y; Miao CB; Li TJ; Zhang XJ; Fang F; Shi DQ
SYNTHETIC COMMUNICATIONS 2005, Vol 35, pp 1011-1015
2. Tu SJ; Fang F; Zhu SL; Li TJ; Zhang XJ; Zhuang QY
JOURNAL OF HETEROCYCLIC CHEMISTRY 2005, Vol 42, pp 29-32

MARKOVIČ, O. - MISLOVIČOVÁ, D. - BIELY, P. - HEINRICHOVÁ, K. Chromogenic substrate for endo-polygalacturonase detection in gels. In *Journal of Chromatography*. Vol. 603, (1992), p. 243-246.

Citácie z WOS: 1

1. Stratilova E; Dzurova M; Malovikova A; Omelkova J
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 899-905

MASÁROVÁ, J. - DEY, E.S. - CARLSSON, J. - DANIELSSON, B. Novel peptide surface for reversible immobilization of concanavalin A. In *Journal of Biochemical and Biophysical Methods*. Vol. 60, (2004), 163-170.

Citácie z WOS: 2

1. Rich RL; Myszka DG
JOURNAL OF MOLECULAR RECOGNITION 2005, Vol 18, pp 431-478
2. Rosenfeld H; Aniulyte J; Helmholtz H; Liesiene J; Thiesen P; Niemeyer B; Prange A
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1092, pp 76-88

MASÁROVÁ, J. - MISLOVIČOVÁ, D. - GEMEINER, P. - MICHALKOVÁ, E. Stability enhancement of Escherichia coli penicillin G acylase by glycosylation with yeast mannan. In *Biotechnology and Applied Biochemistry*. Vol. 34, (2001), p. 127-133.

Citácie z WOS: 5

1. Swanwick RS; Daines AM; Tey LH; Flitsch SL; Allemand RK
CHEMBIOCHEM 2005, Vol 6, pp 1338-1340

2. Wyss A; Seitert H; von Stockar U; Marison IW
BIOTECHNOLOGY AND BIOENGINEERING 2005, Vol 91, pp 227-236
3. Villalonga ML; Reyes G; Fragoso A; Cao R; Fernandez L; Villalonga R
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY 2005, Vol 41, pp 217-223
4. Fernandez M; Fragoso A; Cao R; Villalonga R
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 2091-2094
5. Swanwick RS; Daines AM; Flitsch SL; Allemann RK
ORGANIC & BIOMOLECULAR CHEMISTRY 2005, Vol 3, pp 572-574

MASÁROVÁ, J. - MISLOVIČOVÁ, D. - MENDICHI, R. - ŠVITEL, J. - GEMEINER, P. - DANIELSSON, B. Mannan-penicillin G acylase neoglycoproteins and their potential applications in biotechnology. In *Biotechnology and Applied Biochemistry*. Vol. 39, (2004), p. 285-291.

Citácie z WOS: 1

1. Rich RL; Myszka DG
JOURNAL OF MOLECULAR RECOGNITION 2005, Vol 18, pp 431-478

MASAROVIČOVÁ, E. - WELSCHEN, R. - LUX, A. - LAMBERS, H. - ARGALÁŠOVÁ, K. - BRANDŠTETEROVÁ, E. - ČÁNIOVÁ, A. Photosynthesis, biomass partitioning and peroxisomicine A(1) production of Karwinskia species in response to nitrogen supply. In *Physiologia Plantarum*. Vol. 108, (2000), p. 300-306.

Citácie z WOS: 2

1. McCament CL; McCarthy BC
CANADIAN JOURNAL OF FOREST RESEARCH 2005, Vol 35, pp 740-749
2. Henselova M; Regecova M; Sovakova A
PLANT SOIL AND ENVIRONMENT 2004, Vol 50, pp 149-156

MASTIHUBA, V. - KREMICKÝ, L. - MASTIHUBOVÁ, M. - WILLET, J.L. - CÔTÉ, G.L. A Spectrophotometric assay for feruloyl esterases. In *Analytical Biochemistry*. Vol. 309, (2002), p. 96-101.

Citácie podľa iných indexov a báz (Google): 1

1. Wei Chang-Mei; Xu Bin; Zhu Hongjun; Wang Jintang
CHINESE JOURNAL OF APPLIED CHEMISTRY 2004, Vol 21, No 11, pp 1184-1186

MASTIHUBOVÁ, M. - BIELY, P. A common access to 2- and 3-substituted methyl β -D-xylopyranosides. In *Tetrahedron Letters*. Vol. 42, (2001), p. 9065-9067.

Citácie z WOS: 2

1. Guo HB; O'Doherty GA
ORGANIC LETTERS 2005, Vol 7, pp 3921-3924
2. Popsavin V; Benedekovic G; Popsavin M; Sreco B; Djokovic D
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1866-1871

MASTIHUBOVÁ, M. - MASTIHUBA, V. - KREMICKÝ, L. - WILLET, J.L. - CÔTÉ, G.L. Chemoenzymatic preparation of novel substrates for feruloyl esterase. In *Synlett*. (2001), p. 1559-1560.

Citácie podľa iných indexov a báz (Google): 1

1. Wei Chang-Mei; Xu Bin; Zhu Hongjun; Wang Jintang
CHINESE JOURNAL OF APPLIED CHEMISTRY 2004, Vol 21, No 11, pp 1184-1186

MASTIHUBOVÁ, M. - SZEMESOVÁ, J. - BIELY, P. Two efficient ways to 2-O- and 5-O-feruloylated 4-nitrophenyl α-L-arabinofuranosides as substrates for differentiation of feruloyl esterases. In *Tetrahedron Letters*. Vol. 44, (2003), p. 1671-1673.

Citácie z WOS: 2

1. Inigo S; Porro MT; Montserrat JM; Iglesias LE; Iribarren AM
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC 2005, Vol 35, pp 70-73
2. Topakas E; Vafiadi C; Stamatis H; Christakopoulos P
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 729-736

MATULOVÁ, M. - HRICOVÍNOVÁ, Z. NMR studies of molybdate complexes of D-erythro-L-manno-octose and D-erythro-L-gluco-octose and their alditols. In *Carbohydrate Research*. Vol. 337, (2002), p. 1745-1756.

Citácie z WOS: 1

1. Zheng XX; Li Z; Du JM; Tang SW; Bai C
CHINESE JOURNAL OF ANALYTICAL CHEMISTRY 2005, Vol 33, pp 291-295

MATULOVÁ, M. - KOLAROVA, N. - CAPEK, P. An extracellular galactoglucoxylomannan protein from the yeast *Cryptococcus laurentii* var. *laurentii*. In *Journal of Carbohydrate Chemistry*. Vol. 21, (2002), p. 521-537.

Citácie z WOS: 1

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450

MAZEAU, K. - TARAVEL, F.R. - TVAROŠKA, I. Angular dependence of the C-6 chemical shift and the conformation of the hydroxymethyl group in carbohydrates. In *Chemical Papers-Chemické Zvesti*. Vol. 50, (1996), p. 77-83.

Citácie z WOS: 2

1. Hindley ML; Lee KC; Davis JT
JOURNAL OF CARBOHYDRATE CHEMISTRY 2005, Vol 24, pp 261-273
2. Sergeyev I; Moyna G
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1165-1174

MIČOVÁ, J. - STEINER, B. - KOÓŠ, M. - LANGER, V. - ĎURÍK, M. - GYEPESOVÁ, D. - SMRČOK, L. Some amino sugars structurally related to 6-deoxymannojirimycin precursors prepared from methyl 6-deoxy-2,3-O-isopropylidene-α-D-lyxo-hexofuranosid-5-ulose and methyl 2,3-O-isopropylidene-α-D-lyxo-pentodialdo-1,4-furanoside. In *Carbohydrate Research*. Vol. 337, (2002), p. 663-672.

Citácie z WOS: 1

1. Badorre R; Cativiela C; Diaz-de-Villegas MD; Diez R; Galbiati F; Galvez JA
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 10102-10105

MIČOVÁ, J. - STEINER, B. - KOÓŠ, M. - LANGER, V. - GYEPESOVÁ, D. Synthesis of 4-carbamoyl-2-oxazolidinones C-4-linked with a saccharide moiety via Bucherer-Bergs reaction of hexofuranos-5-uloses. In *Synlett*. (2002), p. 1715-1717.

Citácie z WOS: 2

1. Strubing D; von Wangelin AJ; Neumann H; Gordes D; Hubner S; Klaus S; Spannenberg A; Beller M
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY 2005, pp 107-113
2. Huang SL; Pan YJ; Zhu WL; Wu AX
ORGANIC LETTERS 2005, Vol 7, pp 3797-3799

MIČOVÁ, J. - STEINER, B. - KOÓŠ, M. - LANGER, V. - GYPEPESOVÁ, D. Synthesis and structure determination of some nonanomerically C-C-linked serine glycoconjugates structurally related to mannojirimycin. In *Carbohydrate Research*. Vol. 339, (2004), p. 2187-2195.

Citácie podľa iných indexov a báz (Google): 1

1. HistCite 2005.08.29: Papers by A. Varki and the papers citing A. Varki. Available at http://www.garfield.library.upenn.edu/histcomp/varki-a_citing/index-lcr-26.html

MIESZALA, M. - KOGAN, G. - JENNINGS, H.J. Conjugation of meningococcal lipooligosaccharides through their lipid A terminus conserves their inner epitopes and results in conjugate vaccines having improved immunological properties. In *Carbohydrate Research*. Vol. 338, (2003), p. 167-175.

Citácie z WOS: 3

1. Cox AD; Zou W; Gidney MAJ; Lacelle S; Plested JS; Makepeace K; Wright JC; Coull PA; Moxon ER; Richards JC
VACCINE 2005, Vol 23, pp 5045-5054
2. Jones C
ANAISS DA ACADEMIA BRASILEIRA DE CIENCIAS 2005, Vol 77, pp 293-324
3. Kahler CM; Datta A; Tzeng YL; Carlson RW; Stephens DS
GLYCOBIOLOGY 2005, Vol 15, pp 409-419

MIKULÁŠOVÁ, M. - KOŠÍKOVÁ, B. Modulation of mutagenicity of various mutagens by lignin derivatives. In *Mutation Research-Genetic Toxicology and Environmental Mutagenesis*. Vol. 535, (2003), p. 171-180.

Citácie z WOS: 2

1. Calabrese EJ
CRITICAL REVIEWS IN TOXICOLOGY 2005, Vol 35, pp 463-582
2. Kilani S; Abdelwahed A; Ben Ammar R; Hayder N; Ghedira K; Chraief I; Hammami M; Chekir-Ghedira L
JOURNAL OF ESSENTIAL OIL RESEARCH 2005, Vol 17, pp 695-700

MISLOVIČOVÁ, D. - CHUDINOVÁ, M. - GEMEINER, P. - DOČOLOMANSKÝ, P. Affinity-chromatography of invertase on Concanavalin A bead cellulose matrix - the case of an extraordinary strong binding glycoenzyme. In *Journal of Chromatography B*. Vol. 664, (1995), p. 145-153.

Citácie z WOS: 4

1. Stratilova E; Dzurova M; Malovikova A; Omelkova J
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 899-905
2. Grznarova G; Yu S; Stefuca V; Polakovic M
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1092, pp 107-113
3. Bereli N; Akgol S; Yavuz H; Denizli A
JOURNAL OF APPLIED POLYMER SCIENCE 2005, Vol 97, pp 1202-1208
4. Zhao R; Luo H; Shangguan D; Liu GQ
JOURNAL OF CHROMATOGRAPHY B 2005, Vol 816, pp 175-181

MISLOVIČOVÁ, D. - GEMEINER, P. - ŠANDULA, J. - MASÁROVÁ, J. - VIKARTOVSKÁ, A. - DOČOLOMANSKÝ, P. Examination of bioaffinity immobilization by precipitation of mannan and mannan-containing enzymes with legume lectins. In *Biotechnology and Applied Biochemistry*. Vol. 31, (2000), p. 153-159.

Citácie z WOS: 2

1. Akhtar S; Khan AA; Husain Q
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY 2005, Vol 80,
pp 198-205
2. Khan AA; Akhtar S; Husain Q
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 2379-2386

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - BENDŽALOVÁ, K. - ŠOLTÉS, L. - MACHOVÁ, E. Sonication of chitin-glucan, preparation of water-soluble fractions and characterization by HPLC. In *Ultrasonics Sonochemistry*. Vol. 7, (2000), p. 63-68.

Citácie z WOS: 3

1. Wu T; Zivanovic S; Draughon FA; Conway WS; Sams CE
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 3888-3894
2. Cravotto G; Omiccioli G; Stevanato L
ULTRASONICS SONOCHEMISTRY 2005, Vol 12, pp 213-217
3. Cravotto G; Tagliapietra S; Robaldo B; Trotta M
ULTRASONICS SONOCHEMISTRY 2005, Vol 12, pp 95-98

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - ŠVITEL, J. - GEMEINER, P. Influence of mannian epitopes in glycoproteins - Concanavalin A interaction. Comparison of natural and synthetic glycosylated proteins. In *International Journal of Biological Macromolecules*. Vol. 30, (2002), p. 251-258.

Citácie z WOS: 2

1. Nugaeva N; Gfeller KY; Backmann N; Lang HP; Duggelin M; Hegner M
BIOSENSORS & BIOELECTRONICS 2005, Vol 21, pp 849-856
2. Bucur B; Danet AF; Marty JL
ANALYTICA CHIMICA ACTA 2005, Vol 530, pp 1-6

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - ŠVITEL, J. - MENDICHI, R. - ŠOLTÉS, L. - GEMEINER, P. - DANIELSSON, B. Neoglycoconjugates of mannian with bovine serum albumin and their interaction with lectin concanavalin A. In *Bioconjugate Chemistry*. Vol. 13, (2002), p. 136-142.

Citácie z WOS: 1

1. Pei ZC; Anderson H; Aastrup T; Ramstrom O
BIOSENSORS & BIOELECTRONICS 2005, Vol 21, pp 60-66

MISLOVIČOVÁ, D. - MASÁROVÁ, J. - VIKARTOVSKÁ, A. - GEMEINER, P. - MICHALKOVÁ, E. Biospecific immobilization of mannian-penicillin G acylase neoglycoenzyme on Concanavalin A-bead cellulose. In *Journal of Biotechnology*. Vol. 110, (2004), p. 11-19.

Citácie z WOS: 2

1. Ye P; Xu ZK; Che AF; Wu J; Seta P
BIOMATERIALS 2005, Vol 26, pp 6394-6403
2. Kallenberg AI; van Rantwijk F; Sheldon RA
ADVANCED SYNTHESIS & CATALYSIS 2005, Vol 347, pp 905-926

MISLOVIČOVÁ, D. - NOVÁK, I. - PAŠTÉKA, M. Coated silica and its behavior in dye-affinity chromatography. In *Journal of Chromatography*. Vol. 543, (1991), p. 9-16.

Citácie z WOS: 1

1. Jungbauer A
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1065, pp 3-12

MISLOVIČOVÁ, D. - PETRO, M. - BEREK, D. Behaviour of polyhydroxyethyl methacrylate sorbent with dextran-filled macropores in dye-affinity chromatography of proteins. In *Journal of Chromatography*. Vol. 646, (1993), p. 411-416.

Citácie z WOS: 1

1. Muller E
CHEMICAL ENGINEERING & TECHNOLOGY 2005, Vol. 28, pp 1295-1305

MISLOVIČOVÁ, D. - STRATILOVÁ, E. - KOLAROVA, N. Affinity chromatography of glycoenzymes and glycoproteins on concanavalin A bead cellulose. In *Journal of Liquid Chromatography & Related Technologies*. Vol. 20, (1997), p. 1367-1379.

Citácie z WOS: 1

1. Pei ZC; Anderson H; Aastrup T; Ramstrom O
BIOSENSORS & BIOELECTRONICS 2005, Vol 21, pp 60-66

MOLNÁR, O. - MESSNER, R. - PRILLINGER, H. - STAHL, U. - SLÁVIKOVÁ, E. Genotypic identification of *Saccharomyces* species using random amplified polymorphic DNA analysis. In *Systematic and Applied Microbiology*. Vol. 18, (1995), p. 136-145.

Citácie z WOS: 4

1. Posteraro B; Sanguinetti M; Romano L; Torelli R; Novarese L; Fadda G
INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY 2005, Vol 103, pp 295-304
2. Weiss A; Lettner HP; Kramer W; Mayer HK; Kneifel W
FOOD TECHNOLOGY AND BIOTECHNOLOGY 2005, Vol 43, pp 295-300
3. Pina C; Teixeiro P; Leite P; Villa M; Belloch C; Brito L
JOURNAL OF APPLIED MICROBIOLOGY 2005, Vol 98, pp 1107-1114
4. Malgoire JY; Bertout S; Renaud F; Bastide JM; Mallie A
JOURNAL OF CLINICAL MICROBIOLOGY 2005, Vol 43, pp 1133-1137

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Beh AL; Fleet GH; Prakitchaiwattana C; Heard GM
ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY 2005, Vol 571, pp 69-106

MORRIS, G.A. - HROMÁDKOVÁ, Z. - EBRINGEROVÁ, A. - MALOVÍKOVÁ, A. - ALFÖLDI, J. - 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*. Vol. 48, (2002), p. 351-359.

Citácie z WOS: 1

1. Yang HS; An HJ; Feng GP; Li YF; Lai SJ
EUROPEAN FOOD RESEARCH AND TECHNOLOGY 2005, Vol 220, pp 587-591

MUCHA, J. - DOMLATIL, J. - LOCHNIT, G. - RENDIČ, D. - PASCHINGER, K. - HINTERKÖRNER, G. - HOFINGER, A. - KOSMA, P. - WILSON, I.B.H. The *Drosophila melanogaster* homologue of the human histo-blood group P-k gene encodes a glycolipid-modifying α-1,4-N-acetyl-galactosaminyltransferase. In *Biochemical Journal*. Vol. 382, (2004), p. 67-74.

Citácie z WOS: 2

1. Fuller MD; Schwientek T; Wandall HH; Pedersen JW; Clausen H; Levery SB

- GLYCOBIOLOGY 2005, Vol 15, pp 1286-1301
2. Griffitts JS; Haslam SM; Yang TL; Garczynski SF; Mulloy B; Morris H; Cremer PS; Dell A; Adang MJ; Aroian RV
SCIENCE 2005, Vol 307, pp 922-925

MUCHA, J. - KLAUDINY, J. - KLAUDINYOVÁ, V. - HANES, J. - ŠIMÚTH, J. The sequence of Japanese quail ovalbumin cDNA. In *Nucleic Acids Research*. Vol. 18, (1990), p. 5553-5553.

Citácie z WOS: 1

1. Faragova N; Farago J; Drabekova J
FOLIA MICROBIOLOGICA 2005, Vol 50, pp 509-514

NAHÁLKA, J. - BLANÁRIK, P. - GEMEINER, P. - MATÚŠOVÁ, E. - PARTLOVÁ, I. Production of plumbagin by cell suspension cultures of *Drosophyllum lusitanicum* Link. In *Journal of Biotechnology*. Vol. 49, (1996), p. 153-161.

Citácie z WOS: 2

1. Marczak L; Kawiak A; Lojkowska E; Stobiecki M
PHYTOCHEMICAL ANALYSIS 2005, Vol 16, pp 143-149
2. Goncalves S; Romano A
BIODIVERSITY AND CONSERVATION 2005, Vol 14, pp 1071-1081

NAHÁLKA, J. - BLANÁRIK, P. - GEMEINER, P. - MATÚŠOVÁ, E. - PARTLOVÁ, I. The chemical/osmotic conditions for growth and plumbagin accumulation of *Drosophyllum lusitanicum* Link. suspension cultures. In *Biotechnology Letters*. Vol. 18, (1996), p. 1453-1458.

Citácie podľa iných indexov a báz (Google): 1

1. Yang SH; Liu XF; Guo D; Zheng JH
JOURNAL OF JILIN AGRICULTURAL UNIVERSITY 2005, Vol 27, No. 03, pp 288-292

NAHÁLKA, J. - LIU, Z.Y. - CHEN, X. - WANG, P.G. Superbeads: Immobilization in "sweet" chemistry. In *Chemistry-A European Journal*. Vol. 9, (2003), p. 372-377.

Citácie z WOS: 1

1. Lim EK
CHEMISTRY-A EUROPEAN JOURNAL 2005, Vol 11, pp 5486-5494

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Garcia-Junceda E; Garcia-Garcia JF; Bastida A; Fernández-Mayoralas A
BIOORGANIC AND MEDICINAL CHEMISTRY 2004, Vol 12, pp 1817-1834

NAHÁLKOVÁ, J. - ŠVITEL, J. - GEMEINER, P. - DANIELSSON, B. - PŘIBULOVÁ, B. - PETRUŠ, L. Affinity analysis of lectin interaction with immobilized C- and O-glycosides studied by surface plasmon resonance assay. In *Journal of Biochemical and Biophysical Methods*. Vol. 52, (2002), p. 11-18.

Citácie z WOS: 1

1. Vila-Perello M; Gallego RG; Andreu D
CHEMBIOCHEM 2005, Vol 6, pp 1831-1838

NARAN, R. - EBRINGEROVÁ, A. - ALFÖLDI, J. The cell wall material of the wood parasite *Cistanche deserticola* Y. C. Ma. In *Holzforschung*. Vol. 49, (1995), p. 293-299.

Citácie z WOS: 1

1. Wu XM; Gao XM; Tsim KWK; Tu PF
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 37, pp 278-282

NARAN, R. - EBRINGEROVÁ, A. - HROMÁDKOVÁ, Z. - BABOR, K. The starch component of the wood parasite Cistanche deserticola Y.C. Ma. In *Starch-Stärke*. Vol. 48, (1996), p. 255-259.

Citácie z WOS: 1

1. Wu XM; Gao XM; Tsim KWK; Tu PF
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 37, pp 278-282

NAVRÁTIL, M. - DÖMÉNY, Z. - ŠTURDÍK, E. - ŠMOGROVIČOVÁ, D. - GEMEINER, P. Production of non-alcoholic beer using free and immobilized cells of *Saccharomyces cerevisiae* deficient in the tricarboxylic acid cycle. In *Biotechnology and Applied Biochemistry*. Vol. 35, (2002), p. 133-140.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. NEDOVIĆ, V. - WILLAERT, R. - LESKOŠEK-ČUKALOVIĆ, I. - OBRADOVIĆ, B. - BUGARSKI, B. Beer production using immobilised cells. In NEDOVIĆ, V. - WILLAERT, R. *Applications of cell immobilisation biotechnology*. Dordrecht: Springer, 2005, vol. 8B, series: Focus on biotechnology. ISBN 1-4020-3229-3. p. 259-273.

NAVRÁTIL, M. - GEMEINER, P. - KLEIN, J. - ŠTURDÍK, E. - MALOVÍKOVÁ, A. - NAHÁLKA, J. - VIKARTOVSKÁ, A. - DÖMÉNY, Z. - ŠMOGROVIČOVÁ, D. Properties of hydrogel materials used for entrapment of microbial cells in production of fermented beverages. In *Artificial Cells Blood Substitutes and Immobilization Biotechnology*. Vol. 30, (2002), p. 199-218.

Citácie z WOS: 1

1. Almeida C; Branyik T; Moradas-Ferreira P; Teixeira J
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 1937-1942

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Ponce S; Orive G; Gascón AR; Hernández RM; Pedraz JL
INTERNATIONAL JOURNAL OF PHARMACEUTICS 2005, Vol 293, pp 1-10

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. PILKINGTON, F.H. Food bioconversions and metabolite production. In NEDOVIĆ, V. - WILLAERT, R. *Applications of cell immobilisation biotechnology*. Dordrecht: Springer, 2005, vol. 8B, series: Focus on biotechnology. ISBN 1-4020-3229-3. p. 321-335.

NAVRÁTIL, M. - TKÁČ, J. - ŠVITEL, J. - DANIELSSON, B. - ŠTURDÍK, E. Monitoring of the bioconversion of glycerol to dihydroxyacetone with immobilized *Gluconobacter oxydans* cell using thermometric flow injection analysis. In *Process Biochemistry*. Vol. 36, (2001), p. 1045-1052.

Citácie z WOS: 1

1. Lapenaite I; Kurtinaitiene B; Razumiene J; Laurinavicius V; Marcinkeviciene L; Bachmatova I; Meskys R; Ramanavicius A
ANALYTICA CHIMICA ACTA 2005, Vol 549, pp 140-150

NEMČOVIČ, M. - FARKAŠ, V. Stimulation of conidiation by derivatives of cAMP in *Trichoderma viride*. In *Folia Microbiologica*. Vol. 43, (1998), p. 399-402.

Citácie z WOS: 1

1. Pokorný R; Vargovic P; Holker U; Janssen M; Bend J; Hudecová D; Varecka L
JOURNAL OF BASIC MICROBIOLOGY 2005, Vol 45, pp 219-229

NEMČOVIČ, M. - FARKAŠ, V. Cell-wall composition and polysaccharide synthase activity changes following photoinduction in *Trichoderma viride*. In *Acta Biologica Hungarica*. Vol. 52, (2001), p. 281-288.

Citácie z WOS: 2

1. Kaminska J; Kwapisz M; Grabinska K; Orlowski J; Boguta M; Palamarczyk G; Zoladek T
ACTA BIOCHIMICA POLONICA 2005, Vol 52, pp 207-220
2. Zeilinger S; Reithner B; Scala V; Peissl I; Lorito M; Mach RL
APPLIED AND ENVIRONMENTAL MICROBIOLOGY 2005, Vol 71, pp 1591-1597

NILSSON, K.G.I. - SAKAGUCHI, K. - GEMEINER, P. - MOSBACH, K. Molecular imprinting of acetylated carbohydrate derivatives into methacrylic polymers. In *Journal of Chromatography A*. Vol. 707, (1995), p. 199-203.

Citácie z WOS: 3

1. Zhang J; He LC; Fu Q
CHROMATOGRAPHIA 2005, Vol 62, pp 319-323
2. Sun RF; Yu HM; Luo H; Shen ZY
ACTA POLYMERICA SINICA 2005, Iss 2, pp 248-253
3. Sun RF; Yu HM; Luo H; Shen ZY
ACTA CHIMICA SINICA 2005, Vol 63, pp 189-195

ODONMAZIG, P. - BADGA, D. - EBRINGEROVÁ, A. - ALFÖLDI, J. Structures of pectic polysaccharides isolated from the siberian apricot (*Armeniaca sibirica* LAM). In *Carbohydrate Research*. Vol. 226, (1992), p. 353-358.

Citácie z WOS: 1

1. Habibi Y; Mahrouz M; Vignon MR
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 205-213

ODONMAZIG, P. - EBRINGEROVÁ, A. - MACHOVÁ, E. - ALFÖLDI, J. Structural and molecular properties of the arabinogalactan isolated from mongolian larchwood (*Larix dahurica* L.). In *Carbohydrate Research*. Vol. 252, (1994), p. 317-324.

Citácie z WOS: 3

1. Ishii T; Konishi T; Ito Y; Ono H; Ohnishi-Kameyama M; Maeda I
PHYTOCHEMISTRY 2005, Vol 66, pp 2418-2425
2. Ishii T; Ono H; Ohnishi-Kameyama M; Maeda I
PLANTA 2005, Vol 221, pp 953-963
3. Redgwell RJ; Schmitt C; Beaulieu M; Curti D
FOOD HYDROCOLLOIDS 2005, Vol 19, pp 1005-1015

PAPP, G. - PREKLET, E. - KOŠÍKOVÁ, B. - BÁRTA, E. - TOLVAJ, L. - BOHUŠ, J. - SZÁTMÁRI, S. - BERKESI, O. Effect of UV laser radiation with different wavelengths on the spectrum of lignin extracted from hard wood materials. In *Journal of Photochemistry and Photobiology A - Chemistry*. Vol. 163, (2004), p. 187-192.

Citácie z WOS: 1

1. Mitsui K; Tsuchikawa S

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY 2005,
Vol 81, pp 84-88

PAPPAS, C.S. - MALOVÍKOVÁ, A. - HROMÁDKOVÁ, Z. - TARANTILIS, P.A. - EBRINGEROVÁ, A. - 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*. Vol. 56, (2004), p. 465-469.

Citácie z WOS: 1

1. Monsoor MA
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 362-367

PARADOSSI, G. - CHIESI, E. - MALOVÍKOVÁ, A. Study of the interactions of D- and L-polylysine enantiomers with pectate in aqueous solutions. In *Biopolymers*. Vol. 50, (1999), p. 201-209.

Citácie z WOS: 1

1. Tam SK; Dusseault J; Polizu S; Menard M; Halle JP; Yahia L
BIOMATERIALS 2005, Vol 26, pp 6950-6961

PAULOVIČOVÁ, E. - BYSTRICKÝ, S. - MASÁROVÁ, J. - MACHOVÁ, E. - MISLOVIČOVÁ, D. Immune response to *Saccharomyces cerevisiae* mannan conjugate in mice. In *International Immunopharmacology*. Vol. 5, (2005), p. 1693-1698.

Citácie podľa iných indexov a báz (ProQuest): 13

1. PHARMA INVESTMENTS, VENTURES & LAW WEEKLY EDITORS. Slovak Academy of Sciences; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Pharma Investments, Ventures & Law Weekly*. Atlanta: Pharma Investments, Ventures & Law Weekly via LawRx.com, Oct 23, 2005. ISSN 15515540. ProQuest document ID 910745971. p. 212. <http://proquest.umi.com/pqdweb?did=910745971&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
2. LAW & HEALTH WEEKLY EDITORS. Slovak Academy of Sciences; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Law & Health Weekly*. Atlanta: Law & Health Weekly via LawRx.com, Oct 22, 2005. ISSN 15515354. ProQuest document ID 910687421. p. 348. <http://proquest.umi.com/pqdweb?did=910687421&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
3. OBESITY, FITNESS & WELLNESS WEEK EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Obesity, Fitness & Wellness Week*. Atlanta: Obesity, Fitness & Wellness Week via NewsRx.com, Oct 22, 2005. ISSN 15316386. ProQuest document ID 910831561. p. 1328. <http://proquest.umi.com/pqdweb?did=910831561&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
4. DRUG WEEK EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Drug Week*. Atlanta: Drug Week via NewsRx.com, Oct 21, 2005. ISSN 15316440. ProQuest document ID 910868511. p. 590. URL:<http://proquest.umi.com/pqdweb?did=910868511&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
5. BIOTECH WEEK EDITORS. Slovak Academy of Sciences; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Biotech Week*. Atlanta: Biotech Week via NewsRx.com, Oct 19, 2005. ISSN 15352757. ProQuest document ID 910874171. p. 923. <http://proquest.umi.com/pqdweb?did=910874171&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>

6. HEALTHCARE FINANCE, TAX & LAW WEEKLY EDITORS. Slovak Academy of Sciences; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Healthcare Finance, Tax & Law Weekly*. Atlanta: Healthcare Finance, Tax & Law Weekly via LawRx.com, Oct 19, 2005. ISSN 15515516. ProQuest document ID 910780981. p. 103. <http://proquest.umi.com/pqdweb?did=910780981&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
7. IMMUNOTHERAPY WEEKLY EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Immunotherapy Weekly*. Atlanta: Immunotherapy Weekly via NewsRx.com, Oct 19, 2005. ISSN 10908625. ProQuest document ID 910844571. p. 216. <http://proquest.umi.com/pqdweb?did=910844571&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
8. VACCINE WEEKLY EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Vaccine Weekly*. Atlanta: Vaccine Weekly via NewsRx.com, Oct 19, 2005. ISSN 10742921. ProQuest document ID 910712021. p. 87. <http://proquest.umi.com/pqdweb?did=910712021&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
9. LIFE SCIENCE WEEKLY EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Life Science Weekly*. Atlanta: Life Science Weekly via NewsRx.com, Oct 18, 2005. ProQuest document ID 910840941. p. 1419. <http://proquest.umi.com/pqdweb?did=910840941&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
10. SCIENCE LETTER EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Science Letter*. Atlanta: Science Letter via NewsRx.com, Oct 18, 2005. ISSN 15389111. ProQuest document ID 910901281. p. 1411. <http://proquest.umi.com/pqdweb?did=910901281&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
11. WORLD DISEASE WEEKLY EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *World Disease Weekly*. Atlanta: World Disease Weekly via NewsRx.com, Oct 18, 2005. ISSN 15536963. ProQuest document ID 910716401. p. 1418. <http://proquest.umi.com/pqdweb?did=910716401&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
12. HEALTH & MEDICINE WEEK EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Health & Medicine Week*. Atlanta: Health & Medicine Week via NewsRx.com, Oct 17, 2005. ISSN 15316459. ProQuest document ID 910783881. p. 1418. <http://proquest.umi.com/pqdweb?did=910783881&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>
13. PROTEOMICS WEEKLY EDITORS. *Saccharomyces* Vaccine Development; Response to *Saccharomyces cerevisiae* mannan conjugate described. In *Proteomics Weekly*. Atlanta: Proteomics Weekly via NewsRx.com, Oct 17, 2005. ISSN 15352722. ProQuest document ID 910836581. p. 294. <http://proquest.umi.com/pqdweb?did=910836581&sid=1&Fmt=3&clientId=57509&RQT=309&VName=PQD>

PECIAROVÁ, A. - BIELY, P. β -Xylosidases and nonspecific wall-bound β -glucosidase of the yeast *Cryptococcus albidus*. In *Biochimica et Biophysica Acta*. Vol. 716, (1982), p. 391-399.

Citácie z WOS: 1

1. Zhu BCR; Henderson G; Laine RA
JOURNAL OF ECONOMIC ENTOMOLOGY 2005, Vol 98, pp 41-46

PERI, F. - JIMÉNEZ-BARBERO, J. - GARCÍA-APARICIO, V. - TVAROŠKA, I. - NICOTRA, F. Synthesis and conformational analysis of novel N(OCH₃)-linked disaccharide analogues. In *Chemistry - A European Journal*. Vol. 10, (2004), p. 1433-1444.

Citácie z WOS: 4

1. Griffith BR; Langenhan JM; Thorson JS
CURRENT OPINION IN BIOTECHNOLOGY 2005, Vol 16, pp 622-630
2. Langenhan JM; Griffith BR; Thorson JS
JOURNAL OF NATURAL PRODUCTS 2005, Vol 68, pp 1696-1711
3. Langenhan JM; Peters NR; Guzei IA; Hoffmann M; Thorson JS
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 2005, Vol 102, pp 12305-12310
4. Langenhan JM; Thorson JS
CURRENT ORGANIC SYNTHESIS 2005, Vol 2, pp 59-81

PETERBAUER, T. - KARNER, U. - MUCHA, J. - MACH, L. - JONES, D.A. - HEDLEY, C.L. - RICHTER, A. Enzymatic control of the accumulation of verbascose in pea seeds. In *Plant Cell and Environment*. Vol. 26, (2003), p. 1385-1391.

Citácie z WOS: 2

1. Lahuta LB; Horbowicz M; Gojlo E; Goszczynska J; Gorecki RJ
ACTA SOCIETATIS BOTANICORUM POLONIAE 2005, Vol 74, pp 287-296
2. Lahuta LB; Gorecki RJ; Gojlo E; Horbowicz M
ACTA PHYSIOLOGIAE PLANTARUM 2005, Vol 27, pp 163-171

PETERBAUER, T. - LAHUTA, L.B. - BLOCHL, A. - MUCHA, J. - JONES, D.A. - HEDLEY, C.L. - GORECKI, R.J. - RICHTER, A. Analysis of the raffinose family oligosaccharide pathway in pea seeds with contrasting carbohydrate composition. In *Plant Physiology*. Vol. 127, (2001), p. 1764-1772.

Citácie z WOS: 3

1. Pinheiro C; Rodrigues AP; de Carvalho IS; Chaves MM; Ricardo CP
JOURNAL OF EXPERIMENTAL BOTANY 2005, Vol 56, pp 2705-2712
2. Djemel N; Guedon D; Lechevalier A; Salon C; Miquel M; Prosperi JM; Rochat C; Boutin JP
PLANT PHYSIOLOGY AND BIOCHEMISTRY 2005, Vol 43, pp 557-566
3. Carvalho IS; Chaves M; Ricardo CP
JOURNAL OF AGRONOMY AND CROP SCIENCE 2005, Vol 191, pp 95-98

PETERBAUER, T. - MACH, L. - MUCHA, J. - RICHTER, A. Functional expression of a cDNA encoding pea (*Pisum sativum* L.) raffinose synthase, partial purification of the enzyme from maturing seeds, and steady-state kinetic analysis of raffinose synthesis. In *Planta*. Vol. 215, (2002), p. 839-846.

Citácie z WOS: 4

1. Lahuta LB; Horbowicz M; Gojlo E; Goszczynska J; Gorecki RJ
ACTA SOCIETATIS BOTANICORUM POLONIAE 2005, Vol 74, pp 287-296
2. Lahuta LB; Gorecki RJ; Horbowicz M
ACTA PHYSIOLOGIAE PLANTARUM 2005, Vol 27, pp 505-513
3. Gomes CI; Obendorf RL; Horbowicz M
CROP SCIENCE 2005, Vol 45, pp 1312-1319
4. Lahuta LB; Gorecki RJ; Gojlo E; Horbowicz M
ACTA PHYSIOLOGIAE PLANTARUM 2005, Vol 27, pp 163-171

PETERBAUER, T. - MUCHA, J. - MACH, L. - RICHTER, A. Chain elongation of raffinose in pea seeds - Isolation, characterization, and molecular cloning of a multifunctional enzyme catalyzing the synthesis of stachyose and verbascose. In *Journal of Biological Chemistry*. Vol. 277, (2002), p. 194-200.

Citácie z WOS: 3

1. Ma JM; Horbowicz M; Obendorf RL
SEED SCIENCE RESEARCH 2005, Vol 15, pp 329-338
2. Lahuta LB; Horbowicz M; Gojlo E; Goszczynska J; Gorecki RJ
ACTA SOCIETATIS BOTANICORUM POLONIAE 2005, Vol 74, pp 287-296
3. Lahuta LB; Gorecki RJ; Gojlo E; Horbowicz M
ACTA PHYSIOLOGIAE PLANTARUM 2005, Vol 27, pp 163-171

PETERBAUER, T. - MUCHA, J. - MAYER, U. - POPP, M. - GLOSSL, J. - RICHTER, A. Stachyose synthesis in seeds of adzuki bean (*Vigna angularis*): molecular cloning and functional expression of stachyose synthase. In *Plant Journal*. Vol. 20, (1999), p. 509-518.

Citácie z WOS: 1

1. Han LY; Zheng CJ; Lin HH; Cui J; Li H; Zhang HL; Tang ZQ; Chen YZ
NEW PHYTOLOGIST 2005, Vol 168, pp 109-121

PETRO, M. - GEMEINER, P. - BEREK, D. Dextran-grafted silica gel for high-performance size-exclusion chromatography of proteins. In *Journal of Chromatography A*. Vol. 665, (1994), p. 37-45.

Citácie z WOS: 1

1. Jungbauer A
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1065, pp 3-12

PETRUŠ, L. - 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*. Vol. 268, (1995), p. 319-323.

Citácie z WOS: 4

1. El Seoud OA; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 103-149
2. Rodriguez MC; Merino ER; Pujol CA; Damonte EB; Cerezo AS; Matulewicz MC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2742-2751
3. Ramos LA; Assaf JM; El Seoud OA; Frollini E
BIOMACROMOLECULES 2005, Vol 6, pp 2638-2647
4. Ye DY; Farriol X
E-POLYMERS 2005, Art. No. 041

PETRUŠ, L. - PETRUŠOVÁ, M. - HRICOVÍNOVÁ, Z. The Bilik reaction. In STÜTZ, A.E. *Topics in Current Chemistry. Glycoscience: Epimerisation, Isomerisation and Rearrangement Reactions of Carbohydrates*. Berlin: Springer-Verlag, 2001, vol. 215. ISBN 3-540-41383-9.

p. 15-41.

Citácie z WOS: 1

1. Stockman R; Dekoninck J; Sels BF; Jacobs PA
NANOPOROUS MATERIALS IV STUDIES IN SURFACE SCIENCE AND CATALYSIS 2005, Vol 156, pp 843-850

PETRUŠOVÁ, M. - BEMILLER, J.N. - PETRUŠ, L. A straightforward route to N-acetyl-D-glucosamine-derived C-beta-D-glycosyl synthons. In *Tetrahedron Letters*. Vol. 37, (1996), p. 2341-2344.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. TÓTH, M. C-Glikozil-imin típusú vegyületek és C-glikozil-metilén-karbének előállítása és sajátságaik vizsgálata. In *PhD Thesis*. Debreceni Egyetem, Debrecen, 2002.
Available at <http://iach16.chem.klte.hu/DoktIsk/Ertekezesek/KDI021/KDI021full.pdf>

PETRUŠOVÁ, M. - MATULOVÁ, M. - FEDOROŇKO, M. - PETRUŠ, L. Synthesis of L-lyxose from L-arabinitol via photolysis of an azido derivative. In *Synthesis*. Iss. 3, (1991), p. 209-210.

Citácie z WOS: 1

1. Granstrom TB; Takata G; Morimoto K; Leisola M; Izumori K
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 976-981

PHAM-HUU, D.P. - GIZAW, Y. - BEMILLER, J.N. - PETRUŠ, L. New synthesis of 1,4-dideoxy-1,4-imino-D-galactitol from D-glucose propane-1,3-diyl dithioacetal. In *Tetrahedron Letters*. Vol. 43, (2002), p. 383-385.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. SCHNEIDER, U.R. Totalsynthese von Brefeldin A und stereospezifische Transformationen an Cyclobutadien-Fe(CO)₃-Komplexen. In *PhD Thesis*. Universität zu Köln, 2004. Available at http://deposit.ddb.de/cgi-bin/dokserv?idn=975476815&dok_var=d1&dok_ext=pdf&filename=975476815.pdf

PHAM-HUU, D.P. - PETRUŠOVÁ, M. - BEMILLER, J.N. - PETRUŠ, L. Behaviour of the primary nitro group under denitration conditions. In *Journal of Carbohydrate Chemistry*. Vol. 19, (2000), p. 93-110.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. TÓTH, M. C-Glikozil-imin típusú vegyületek és C-glikozil-metilén-karbének előállítása és sajátságaik vizsgálata. In *PhD Thesis*. Debreceni Egyetem, Debrecen, 2002.
Available at <http://iach16.chem.klte.hu/DoktIsk/Ertekezesek/KDI021/KDI021full.pdf>

PHAM-HUU, D.P. - PETRUŠOVÁ, M. - BEMILLER, J.N. - PETRUŠ, L. One-step conversion of C-glycopyranosylnitromethanes to the corresponding methanal oximes. In *Synlett*. (1998), p. 1319-1320.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. TÓTH, M. C-Glikozil-imin típusú vegyületek és C-glikozil-metilén-karbének előállítása és sajátságaik vizsgálata. In *PhD Thesis*. Debreceni Egyetem, Debrecen, 2002.
Available at <http://iach16.chem.klte.hu/DoktIsk/Ertekezesek/KDI021/KDI021full.pdf>

POLÁKOVÁ, M. - JONIAK, D. – ĎURIŠ, M. Preparation of some benzyl D-glucuronates from 4-methoxybenzylidene derivatives of D-glucuronic acid. In *Monatshefte für Chemie*. Vol. 131, (2000), p. 1197-1205.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. WIMMER, Z. Alkyl glycosides and esters of glycuronic acids derived from cyclic alcohols: which are possibilities of their synthesis? In *Book of Abstracts - CUKRBLIK 2005, Prague, Czech Republic, 31 March 2005*. Prague: Institute of Chemical Technology, 2005. ISBN 80-7080-560-9. p. 7.

POLÁKOVÁ, M. - JONIAK, D. - ĎURIŠ, M. Synthesis and acid-catalyzed hydrolysis of some 3-(4-methoxyphenyl)propyl glucuronates. In *Collection of Czechoslovak Chemical Communications*. Vol. 65, (2000), p. 1609-1618.

Citácie z WOS: 1

1. Grabber JH; Hatfield RD

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 1546-1549

POLÁKOVÁ, M. - PITT, N. - TOSIN, M. - MURPHY, P.V. Glycosidation reactions of silyl ethers with conformationally inverted donors derived from glucuronic acid: stereoselective synthesis of glycosides and 2-deoxyglycosides. In *Angewandte Chemie International Edition*. Vol. 43, (2004), p. 2518-2521.

Citácie z WOS: 1

1. van den Bos LJ; Litjens REJN; van den Berg RJBHN; Overkleef HS; van der Marel GA ORGANIC LETTERS 2005, Vol 7, pp 2007-2010

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MENDLIK, M.T. Syntheses and investigations of 2,6-dideoxysugars contained in diverse bioactive compounds. In *PhD Thesis*. Columbus: The Ohio State University, 2005, p. 190. Available from SCIRUS at <http://www.scirus.com/srsapp/search?t=all&q=mendlik&cn=author&co=AND&t=all&q=&cn=all&g=a&fdt=2004&tdt=2007&dt=all&ff=all&ds=jnl&ds=nom&ds=web&sa=all>; full text available at: http://www.ohiolink.edu/etd/send-pdf.cgi?acc_num=osu1120673161

PROKOPOVÁ, A. - KÉRY, V. - STANČÍKOVÁ, M. - GRIMOVÁ, J. - CAPEK, P. - ŠANDULA, J. - ORVISKÝ, E. Methyl- α -D-mannopyranoside, mannooligosaccharides and yeast mannans inhibit development of rat adjuvant arthritis. In *Journal of Rheumatology*. Vol. 20, (1993), p. 673-677.

Citácie z WOS: 1

1. Kogan G; Staško A; Bauerová K; Polovka M; Šoltés L; Brezová V; Navarová J; Mihalová D CARBOHYDRATE POLYMERS 2005, Vol 61, pp 18-28

PUCHART, V. - KATAPODIS, P. - BIELY, P. - KREMICKÝ, L. - CHRISTAKOPOULOS, P. - VRŠANSKÁ, M. - KEKOS, D. - MACRIS, B.J. - BHAT, M.K. Production of xylanases, mannanases, and pectinases by the thermophilic fungus Thermomyces lanuginosus. In *Enzyme and Microbial Technology*. Vol. 24, (1999), p. 355-361.

Citácie z WOS: 8

1. Jiang ZQ; Yang SQ; Yan QJ; Li LT; Tan SS WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 863-867
2. Heck JX; Soares LHD; Ayub MAZ ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 417-423
3. Sonia KG; Chadha BS; Saini HS BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1561-1569
4. Jiang ZQ; Yang SQ; Tan SS; Li LT; Li XT LETTERS IN APPLIED MICROBIOLOGY 2005, Vol 41, pp 69-76
5. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
6. Krishna C

- CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 1-30
7. Li XT; Jiang ZQ; Li LT; Yang SQ; Feng WY; Fan JY; Kusakabe I
BIORESOURCE TECHNOLOGY 2005, Vol 96, pp 1370-1379
 8. Janda K
INTERNATIONAL BIODETERIORATION & BIODEGRADATION 2005, Vol 55, pp 149-152

RAPP, G. - FREUDENSTEIN, J. - KLAUDINY, J. - MUCHA, J. - WEMPE, F. - ZIMMER, M. - SCHEIT, K.H. Characterization of 3 abundant messenger RNAs from human ovarian granulosa cells. In *DNA and Cell Biology*. Vol. 9, (1990), p. 479-485.

Citácie z WOS: 5

1. Han CY; Liu H; Liu J; Yin K; Xie Y; Shen X; Wang Y; Yuan JG; Qiang BQ; Liu YJ; Peng XZ
NUCLEIC ACIDS RESEARCH 2005, Vol 33, pp 6555-6565
2. Alvarez E; Zhou WB; Witta SE; Freed CR
GENE 2005, Vol 357, pp 18-28
3. Chien J; Staub J; Avula R; Zhang HY; Liu WG; Hartmann LC; Kaufmann SH; Smith DI; Shridhar V
ONCOGENE 2005, Vol 24, pp 5089-5100
4. Saha SK; Ghosh P; Konar A; Bhattacharya S; Roy SS
ENDOCRINOLOGY 2005, Vol 146, pp 2963-2975
5. Koo JH; Saraswati M; Margolis FL
JOURNAL OF COMPARATIVE NEUROLOGY 2005, Vol 487, pp 1-14

RAPP, G. - KLAUDINY, J. - HAGENDORFF, G. - LUCK, M.R. - SCHEIT, K.H. Complete sequence of the coding region of human elongation factor-II (EF-2) by enzymatic amplification of cDNA from human ovarian granulosa cells. In *Biological Chemistry Hoppe-Seyler*. Vol. 370, (1989), p. 1071-1075.

Citácie z WOS: 2

1. Adham IM; Gille M; Gamel AJ; Reis A; Dressel R; Steding G; Brand-Saberi B; Engel W
CYTOGENETIC AND GENOME RESEARCH 2005, Vol 111, pp 16-26
2. Elo MA; Karjalainen HM; Sironen RK; Valmu L; Redpath NT; Browne GJ; Kalkkinen N; Helminen HJ; Lammi MJ
JOURNAL OF CELLULAR BIOCHEMISTRY 2005, Vol 94, pp 497-507

REMKO, M. - TVAROŠKA, I. Molecular orbital investigations on lignin model compounds. 21. Solvent effect on the stability of β -aryl ether and benzyl aryl ether dimeric units of lignin. In *Holzforschung*. Vol. 41, (1987), p. 371-377.

Citácie podľa iných indexov: 1 (Google)

1. Available at: http://www.bfahf.de/SEARCH/BFHAUT/SDW?M%3D1%26W%3DAUTORENLISTE_BFH++%3D+'TVAROSKA%2C+J.'

REXOVÁ-BENKOVÁ, L. - STRATILOVÁ, E. - ČAPKA, M. The effects of the porosity of a support and of attachment on the mode of action of immobilized endopolygalacturonase. In *Biocatalysis*. Vol. 4, (1990), p. 219-225.

Citácie z WOS: 1

1. Martin-Palma RJ; Manso M; Perez-Rigueiro J; Garcia-Ruiz JP; Martinez-Duart JM
JOURNAL OF MATERIALS RESEARCH 2004, Vol 19, pp 2415-2420

RICE, P.J. - KELLEY, J.L. - KOGAN, G. - ENSLEY, H.E. - KALBFLEISCH, J.H. - BROWDER, I.W. - WILLIAMS, D.L. Human monocyte scavenger receptors are pattern recognition receptors for (1→3)- β -D-glucans. In *Journal of Leukocyte Biology*. Vol. 72, (2002), p. 140-146.

Citácie z WOS: 6

1. Hida S; Miura NN; Adachi Y; Ohno N
JOURNAL OF AUTOIMMUNITY 2005, Vol 25, pp 93-101
2. Lull C; Wicher HJ; Savelkoul HFJ
MEDIATORS OF INFLAMMATION 2005, Iss 2, pp 63-80
3. Schaffner A; Rhyn P; Schoedon G; Schaer DJ
JOURNAL OF LEUKOCYTE BIOLOGY 2005, Vol 78, pp 202-209
4. Berner MD; Sura ME; Alves BN; Hunter KW
IMMUNOLOGY LETTERS 2005, Vol 98, pp 115-122
5. Brown GD; Gordon S
CELLULAR MICROBIOLOGY 2005, Vol 7, pp 471-479
6. Frasnelli ME; Tarussio D; Chobaz-Peclat V; Busso N; So A
ARTHRITIS RESEARCH & THERAPY 2005, Vol 7, pp R370-R379

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Hobbs CR
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS 2005, Vol 7, pp 127-139

RINAUDO, M. - ROURE, I. - MILAS, M. - MALOVÍKOVÁ, A. Electrostatic interactions in aqueous solutions of ionic polysaccharides. In *International Journal of Polymer Analysis and Characterization*. Vol. 4, (1997), p. 57-69.

Citácie z WOS: 1

1. Cowman MK; Matsuoka S
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 791-809

SADOVSKAYA, I. - VINOGRADOV, E. - FLAHAUT, S. - KOGAN, G. - JABBOURI, S. Extracellular carbohydrate-containing polymers of a model biofilm-producing strain, *Staphylococcus epidermidis* RP62A. In *Infection and Immunity*. Vol. 73, (2005), p. 3007-3017.

Citácie z WOS: 1

1. Vadyvaloo V; Otto M
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS 2005, Vol 28, pp 1069-1078

SALIH, A.A. - ALI, I.A. - LUX, A. - LUXOVÁ, M. - COHEN, Y. - SUGIMOTO, Y. - INANAGA, S. Rooting, water uptake, and xylem structure adaptation to drought of two sorghum cultivars. In *Crop Science*. Vol. 39, (1999), p. 168-173.

Citácie z WOS: 6

1. Tsuchihashi N; Goto Y
PLANT PRODUCTION SCIENCE 2005, Vol 8, pp 601-607
2. Porter JR; Semenov MA
PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES 2005, Vol 360, pp 2021-2035
3. Sinclair TR; Hammer GL; van Oosterom EJ
FUNCTIONAL PLANT BIOLOGY 2005, Vol 32, pp 945-952
4. Masinde PW; Stutzel H; Agong SG; Fricke A

JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE
2005, Vol 130, pp 469-477

5. Moroke TS; Schwartz RC; Brown KW; Juo ASR
SOIL SCIENCE SOCIETY OF AMERICA JOURNAL 2005, Vol 69, pp 197-205
6. Herzog H; Gotz KP
JOURNAL OF AGRONOMY AND CROP SCIENCE 2004, Vol 190, pp 161-167

SARKAR, M. - PAGNY, S. - UNLIGIL, U. - JOZIASSE, D. - MUCHA, J. - GLOSSL, J. - SCHACHTER, H. Removal of 106 amino acids from the N-terminus of UDP-GlcNAc: α -3-D-mannoside β -1,2-N-acetylglucosaminyltransferase I does not inactivate the enzyme. In *Glycoconjugate Journal*. Vol. 15, (1998), p. 193-197.

Citácie z WOS: 1

1. Muntener K; Willimann A; Zwicky R; Svoboda B; Mach L; Baici A
JOURNAL OF BIOLOGICAL CHEMISTRY 2005, Vol 280, pp 11973-11980

SASINKOVÁ, V. - KOÓŠ, M. An alternative synthesis of nojirimycin and idonojirimycin. In *Chemical Papers-Chemické Zvesti*. Vol. 51, (1997), p. 147-152.

Citácie z WOS: 1

1. Das I; Pathak T; Suresh CG
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 8047-8054

SCHMIDT, M.F.G. - BIELY, P. - KRÁTKY, Z. - SCHWARZ, R.T. 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*. Vol. 87, (1978), p. 55-68.

Citácie z WOS: 1

1. Buriova E; Macasek F; Melichar F; Kropacek M; Prochazka L
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 2005, Vol 264, pp 595-602

SCHMITZOVÁ, J. - KLAUDINY, J. - ALBERT, Š. - SCHRÖDER, W. - SCHRECKENGOST, W. - HANES, J. - JÚDOVÁ, J. - ŠIMÚTH, J. A family of major royal jelly proteins of the honeybee *Apis mellifera* L. In *Cellular and Molecular Life Sciences*. Vol. 54, (1998), p. 1020-1030.

Citácie z WOS: 6

1. Guo H; Kouzuma Y; Yonekura M
FOOD SCIENCE AND TECHNOLOGY RESEARCH 2005, Vol 11, pp 222-230
2. Salazar-Olivo LA; Paz-Gonzalez V
TOXICOLOGY IN VITRO 2005, Vol 19, pp 645-651
3. Hashimoto M; Kanda M; Ikeno K; Hayashi Y; Nakamura T; Ogawa Y; Fukumitsu H; Nomoto H; Furukawa S
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 800-805
4. Deseyn J; Billen J
APIDOLOGIE 2005, Vol 36, pp 49-57
5. Scarselli R; Donadio E; Giuffrida MG; Fortunato D; Conti A; Balestreri E; Felicioli R; Pinzauti M; Sabatini AG; Felicioli A
PROTEOMICS 2005, Vol 5, pp 769-776
6. Imjongjirak C; Klinbunga S; Sittipranee S
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 38, pp 49-57

Citácie podľa iných indexov a báz (SCOPUS): 2

1. Eshraghi S
PAKISTAN JOURNAL OF MEDICAL SCIENCES 2005, Vol 21, pp 63-68
2. Santos KS; Delazari Dos Santos L; Anita Mendes M; Monson De Souza B; Malaspina O; Palma MS
INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY 2005, Vol 35, pp 85-91

SHAO, J. - ZHANG, J.B. - NAHÁLKA, J. - WANG, P.G. Biocatalytic synthesis of uridine 5'-diphosphate N-acetylglucosamine by multiple enzymes co-immobilized on agarose beads. In *Chemical Communications*. Iss. 21, (2002), p. 2586-2587.

Citácie z WOS: 2

1. Bae J; Kim KH; Kim D; Choi Y; Kim JS; Koh S; Hong SI; Lee DS
CHEMBIOCHEM 2005, Vol 6, pp 1963-1966

2. Lagoja IM
CHEMISTRY AND BIODIVERSITY 2005, Vol 2, pp 1-50

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Garcia-Junceda E; Garcia-Garcia JF; Bastida A; Fernández-Mayoralas A
BIOORGANIC AND MEDICINAL CHEMISTRY 2004, Vol 12, pp 1817-1834

SHLEEV, S. - TKÁČ, J. - CHRISTENSON, A. - RUZGAS, T. - YAROPOLOV, A.I. - WHITTAKER, J.W. - GORTON, L. Direct electron transfer between copper-containing proteins and electrodes. In *Biosensors and Bioelectronics*. Vol. 20, (2005), p. 2517-2554.

Citácie z WOS: 2

1. Yue HJ; Waldeck DH
CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE 2005, Vol 9, pp 28-36
2. Rudiger O; Abad JM; Hatchikian EC; Fernandez VM; De Lacey AL
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127. pp 16008-16009

SINGH, S. - REDDY, P. - HAARHOFF, J. - BIELY, P. - JANSE, B. - PILLAY, B. - PILLAY, D. - PRIOR, B.A. Relatedness of *Thermomyces lanuginosus* strains producing a thermostable xylanase. In *Journal of Biotechnology*. Vol. 81, (2000), p. 119-128.

Citácie z WOS: 3

1. Cheng YF; Yang CH; Liu WH
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 541-546
2. Polizeli MLTM; Rizzato ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
3. Seyis I; Aksoz N
FOOD TECHNOLOGY AND BIOTECHNOLOGY 2005, Vol 43, pp 37-40

SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - KOŠÍKOVÁ, B. - RUŽEKOVÁ, L. - LÁBAJ, J. 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*. Vol. 33, (1999), p. 88-94.

Citácie z WOS: 1

1. Perez-Perez E; Rodriguez-Malaver AJ
JOURNAL OF ENVIRONMENTAL BIOLOGY 2005, Vol 26, pp 603-608

SLAMEŇOVÁ, D. - LÁBAJ, J. - KRIŽKOVÁ, L. - KOGAN, G. - ŠANDULA, J. - BRESGEN, N. - ECKL, P. Protective effects of fungal (1→3)-β-D-glucan derivatives against

oxidative DNA lesions in V79 hamster lung cells. In *Cancer Letters*. Vol. 198, (2003), p. 153-160.

Citácie z WOS: 3

1. Subramanian M; Chintalwar GJ; Chattopadhyay S
REDOX REPORT 2005, Vol 10, pp 257-264
2. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230
3. Reverberi M; Fabbri AA; Zjalic S; Ricelli A; Punelli F; Fanelli C
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 69, pp 207-215

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - TÓTHOVÁ, K. - PRAŽMÁRIOVÁ, E. - NAĐOVÁ, S. Effect of biologically active compound on different genetic model systems. In ZIMA, M. - BOLEČEK, P. - OMELKA, R. *Progress in Biology: Proceedings of the International Scientific Conference „4th Biological Days”, Nitra, September 8-9, 2005*. Nitra: Fakulta prírodných vied UKF, Edícia Prírodovedec č. 178, 2005. ISBN 80-8050-864-X. p. 411-415.

SLANINOVÁ, I. - ŠESTÁK, S. - SVOBODA, A. - FARKAŠ, V. Cell wall and cytoskeleton reorganization as the response to hyperosmotic shock in *Saccharomyces cerevisiae*. In *Archives of Microbiology*. Vol. 173, (2000), p. 245-252.

Citácie z WOS: 4

1. Edge SE; Morgan MB; Gleason DF; Snell TW
MARINE POLLUTION BULLETIN 2005, Vol 51, pp 507-523
2. Sekavova B; Melzoch K; Paulova L; Rychtera M
CHIMIA 2005, Vol 59, pp 745-748
3. Korolyev E; Steinberg-Neifach O; Eshel D
FEMS MICROBIOLOGY LETTERS 2005, Vol 244, pp 379-383
4. Rodal AA, Kozubowski L, Goode BL, Drubin DG, Hartwig JH
MOLECULAR BIOLOGY OF THE CELL 2005, Vol 16, pp 372-384

SLÁVIKOVÁ, E. - VADKERTIOVÁ, R. Yeasts population in the water of a polluted fish-pond. In *Czech Mycology*. Vol. 48, (1995), p. 145-154.

Citácie z WOS: 1

1. Sharma V; Katoch RC; Sharma M; Verma S; Chahota R; Jand SK; Dhar P
INDIAN VETERINARY JOURNAL 2005, Vol 82, pp 1252-1254

SLÁVIKOVÁ, E. - VADKERTIOVÁ, R. Yeasts and yeast-like organisms isolated from fish-pond waters. In *Acta Microbiologica Polonica*. Vol. 44, (1995), p. 181-189.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Dynowska M; Kisicka I
ECOHYDROLOGY AND HYDROBIOLOGY 2005, Vol 2, pp 173-178

SLÁVIKOVÁ, E. - VADKERTIOVÁ, R. The occurrence of yeasts in the forest soils. In *Journal of Basic Microbiology*. Vol. 40, (2000), p. 207-212.

Citácie z WOS: 2

1. Breierova E; Hromadkova Z; Stratilova E; Sasinkova V; Ebringerova A
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 444-450
2. Certik M; Breierova E; Jursikova P
INTERNATIONAL BIODETERIORATION & BIODEGRADATION 2005, Vol 55, pp 195-202

SLÁVIKOVÁ, E. - VADKERTIOVÁ, R. Seasonal occurrence of yeasts and yeast-like organisms in the river Danube. In *Antonie van Leeuwenhoek*. Vol. 72, (1997), p. 77-80.
Citácie z WOS: 3

1. Arvanitidou M; Kanellou K; Vagiona DG
ENVIRONMENTAL RESEARCH 2005, Vol 99, pp 278-284
2. Stratilova E; Dzurova M; Breierova E; Omelkova J
ZEITSCHRIFT FUR NATURFORSCHUNG C 2005, Vol 60, pp 91-96
3. Certik M; Breierova E; Jursikova P
INTERNATIONAL BIODETERIORATION & BIODEGRADATION 2005, Vol 55, pp 195-202

SLÁVIKOVÁ, E. - VADKERTIOVÁ, R. The diversity of yeasts in the agricultural soil. In *Journal of Basic Microbiology*. Vol. 43, (2003), p. 430-436.

Citácie z WOS: 1

1. Molnar O; Prillinger H
SYSTEMATIC AND APPLIED MICROBIOLOGY 2005, Vol 28, pp 717-726

STANO, J. - KOVÁCS, P. - PŠENÁK, M. - GAJDOŠ, J. - ERDELSKÝ, K. - KÁKONIOVÁ, D. - NEUBERT, K. Distribution of dipeptidyl peptidase IV in organs and tissue cultures of poppy plants Papaver somniferum L. cv. Amarin. In *Pharmazie*. Vol. 52, (1997), p. 319-321.
Citácie z WOS: 1

1. Barth A; Siekel P; Sedlarova E; Valent A; Tokhtaeva E
ACTA HISTOCHEMICA 2005, Vol 107, pp 253-259

STANO, J. - KOVÁCS, P. - ŠAFARÍK, I. - KÁKONIOVÁ, D. - ŠAFARÍKOVÁ, M. A simple procedure for the detection of plant extracellular proteolytic enzymes. In *Biologia Plantarum*. Vol. 40, (1997), p. 475-477.

Citácie z WOS: 1

1. Barth A; Siekel P; Sedlarova E; Valent A; Tokhtaeva E
ACTA HISTOCHEMICA 2005, Vol 107, pp 253-259

STANO, J. - NEMEC, P. - BEZÁKOVÁ, L. - KÁKONIOVÁ, D. - KOVÁCS, P. - NEUBERT, K. - LIŠKOVÁ, D. - ANDRIAMAINTY, F. - MIČIETA, K. β -Galactosidase in immobilized cells of gherkin Cucumis sativus L. In *Acta Biochimica Polonica*. Vol. 45, (1998), p. 621-626.

Citácie z WOS: 1

1. Barth A; Siekel P; Sedlarova E; Valent A; Tokhtaeva E
ACTA HISTOCHEMICA 2005, Vol 107, pp 253-259

STANO, J. - NEMEC, P. - WEISSOVÁ, K. - KOVÁCS, P. - KÁKONIOVÁ, D. - LIŠKOVÁ, D. Decarboxylation of L-tyrosine and L-DOPA by immobilized cells of Papaver somniferum. In *Phytochemistry*. Vol. 38, (1995), p. 859-860.

Citácie z WOS: 2

1. Bilkova A; Bilka F; Blanarikova V; Bezakova L
BIOLOGIA 2005, Vol 60, pp 661-664
2. Barth A; Siekel P; Sedlarova E; Valent A; Tokhtaeva E
ACTA HISTOCHEMICA 2005, Vol 107, pp 253-259

STEELE, N.M. - SULOVÁ, Z. - CAMPBELL, P. - BRAAM, J. - FARKAŠ, V. - FRY, S.C. Ten isoenzymes of xyloglucan endotransglycosylase from plant cell walls select and cleave the donor substrate stochastically. In *Biochemical Journal*. Vol. 355, (2001), p. 671-679.

Citácie z WOS: 2

1. Esmon CA; Pedmale UV; Liscum E
INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY 2005, Vol 49, Sp. Iss., pp 665-674
2. Cosgrove DJ
NATURE REVIEWS MOLECULAR CELL BIOLOGY 2005, Vol 6, pp 850-861

STEINER, B. - KOÓŠ, M. - LANGER, V. - GYEPESOVÁ, D. - SMRČOK, L. 4-Amino-4-cyano-4,6-dideoxy sugar derivatives from methyl 6-deoxy-2,3-O-isopropylidene- α -L-lyxo-hexopyranosid-4-ulose via Strecker-type reaction. In *Carbohydrate Research*. Vol. 311, (1998), p. 1-9.

Citácie z WOS: 2

1. Van Nhien AN; Tomassi C; Len C; Marco-Contelles JL; Balzarini J; Pannecouque C; De Clercq E; Postel D
JOURNAL OF MEDICINAL CHEMISTRY 2005, Vol 48, pp 4276-4284
2. Badorrey R; Cativiela C; Diaz-de-Villegas MD; Diez R; Galbiati F; Galvez JA
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 10102-10105

STEINER, B. - MIČOVÁ, J. - KOÓŠ, M. - LANGER, V. - GYEPESOVÁ, D. Some non-anomerically C-C-linked carbohydrate amino acids related to leucine – synthesis and structure determination. In *Carbohydrate Research*. Vol. 338, (2003), p. 1349-1357.

Citácie podľa iných indexov a báz (Google): 2

1. DreamPharm.com: Hair Million. Available at <http://hair-loss-stop.com/ref-leucine-leucine-research-abs4.277.html>
2. HistCite 2005.08.29: Papers by A. Varki and the papers citing A. Varki. Available at http://www.garfield.library.upenn.edu/histcomp/varki-a_citing/index-lcr-26.html

STRASSER, R. - MUCHA, J. - MACH, L. - ALTMANN, F. - WILSON, I.B.H. - GLOSSL, J. - STEINKELLNER, H. Molecular cloning and functional expression of beta 1,2-xylosyltransferase cDNA from *Arabidopsis thaliana*. In *FEBS Letters*. Vol. 472, (2000), p. 105-108.

Citácie z WOS: 4

1. van Die I; van Liempt E; Bank CMC; Schiphorst WECM
GLYCobiology AND MEDICINE ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY 2005, Vol 564, pp 9-19
2. Pattathil S; Harper AD; Bar-Peled M
PLANTA 2005, Vol 221, pp 538-548
3. Zhang QS; Shirley N; Lahnstein J; Fincher GB
PLANT PHYSIOLOGY 2005, Vol 138, pp 131-141
4. Aspeborg H; Schrader J; Coutinho PM; Stam M; Kallas A; Djerbi S; Nilsson P; Denman S; Amini B; Sterky F; Master E; Sandberg G; Mellerowicz E; Sundberg B; Henrissat B; Teeri TT
PLANT PHYSIOLOGY 2005, Vol 137, pp 983-997

STRATILOVÁ, E. - BREIEROVÁ, E. - VADKERTIOVÁ, R. - MACHOVÁ, E. - MALOVÍKOVÁ, A. - SLÁVIKOVÁ, E. The adaptability of the methylotrophic yeast

Candida boidinii on media containing pectic substances. In *Canadian Journal of Microbiology*. Vol. 44, (1998), p. 116-120.

Citácie z WOS: 1

1. Nakagawa T; Yamada K; Fujimura S; Ito T; Miyaji T; Tomizuka N
MICROBIOLOGY-SGM 2005, Vol 151, pp 2047-2052

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Nakagawa T; Nagaoka T; Miyaji T; Tomizuka N
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY 2005, Vol 42, pp 193-196

STRATILOVÁ, E. - MARKOVIČ, O. - DZÚROVÁ, M. - MALOVÍKOVÁ, A. - CAPEK, P. - OMELKOVÁ, J. The pectolytic enzymes of carrots. In *Biologia*. Vol. 53, (1998), p. 731-738.

Citácie z WOS: 1

1. Sila DN; Smout C; Vu TS; Van Loey A; Hendrickx M
JOURNAL OF FOOD SCIENCE 2005, Vol 70, pp E85-E91

STRATILOVÁ, E. - MISLOVIČOVÁ, D. - KAČURÁKOVÁ, M. - MACHOVÁ, E. - KOLAROVA, N. - MARKOVIČ, O. - JÖRNVALL, H. The glycoprotein character of multiple forms of *Aspergillus* polygalacturonase. In *Journal of Protein Chemistry*. Vol. 17, (1998), p. 173-179.

Citácie z WOS: 1

1. Yan HZ; Liou RF
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 339-350

SULOVÁ, Z. - FARKAŠ, V. Purification of xyloglucan endotransglycosylase based on affinity sorption of the active glycosyl-enzyme intermediate complex to cellulose. In *Protein Expression and Purification*. Vol. 16, (1999), p. 231-235.

Citácie z WOS: 1

1. Bollok M; Henriksson H; Kallas A; Jahic M; Teeri TT; Enfors SO
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 126, pp 61-77

SULOVÁ, Z. - LEDNICKÁ, M. - FARKAŠ, V. A colorimetric assay for xyloglucan-endotransglycosylase from germinating seeds. In *Analytical Biochemistry*. Vol. 229, (1995), p. 80-85.

Citácie z WOS: 4

1. Kallas AM; Piens K; Denman SE; Henriksson H; Falldt J; Johansson P; Brumer H; Teeri TT
BIOCHEMICAL JOURNAL 2005, Vol 390, Part 1, pp 105-113
2. Bollok M; Henriksson H; Kallas A; Jahic M; Teeri TT; Enfors SO
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 126, pp 61-77
3. Vissenberg K; Fry SC; Pauly M; Hofte H; Verbelen JP
JOURNAL OF EXPERIMENTAL BOTANY 2005, Vol 56, pp 673-683
4. Gustavsson MT; Persson PV; Iversen T; Martinelle M; Hult K; Teeri TT; Brumer H
BIOMACROMOLECULES 2005, Vol 6, pp 196-203

ŠANDULA, J. - KOGAN, G. - KAČURÁKOVÁ, M. - MACHOVÁ, E. Microbial (1→3)- β -glucans, their preparation, physico-chemical characterization and immunomodulatory activity. In *Carbohydrate Polymers*. Vol. 38, (1999), p. 247-253.

Citácie z WOS: 8

1. Dicko MH; Hilhorst R; Traore AS

- AFRICAN JOURNAL OF BIOTECHNOLOGY 2005, Vol 4, pp 1095-1104
2. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230
 3. Pelizon AC; Kaneno R; Soares AMVC; Meira DA; Sartori A
PHYSIOLOGICAL RESEARCH 2005, Vol 54, pp 557-564
 4. Huang QL; Zhang L
BIOPOLYMERS 2005, Vol 79, pp 28-38
 5. Liu G; Liu JH; Song DS; Dong Q; Ou JM; Yang AM
SPECTROSCOPY AND SPECTRAL ANALYSIS 2005, Vol 25, pp 1053-1056
 6. da Silva MDC; Izeli NL; Martinez PF; Silva IR; Constantino CJL; Cardoso MS; Barbosa AM; Dekker RFH; da Silva GVJ
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 10-17
 7. Wang YJ; Yao SJ; Guan YX; Wu TX; Kennedy JF
CARBOHYDRATE POLYMERS 2005, Vol 59, pp 93-99
 8. Maazouzi N; Bahmed K; Chakir S; Quiles F; Bonaly R; Coulon J
PROCESS BIOCHEMISTRY 2005, Vol 40, pp 313-319

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - TÓTHOVÁ, K. - PRAŽMÁRIOVÁ, E. - NAĐOVÁ, S. Effect of biologically active compound on different genetic model systems. In ZIMA, M. - BOLEČEK, P. - OMELKA, R. *Progress in Biology: Proceedings of the International Scientific Conference „4th Biological Days“*, Nitra, September 8-9, 2005. Nitra: Fakulta prírodných vied UKF, Edícia Prírodovedec č. 178, 2005. ISBN 80-8050-864-X. p. 411-415.

ŠANDULA, J. - MACHOVÁ, E. - HŘÍBALOVÁ, V. Mitogenic activity of particulate yeast β -(1→3)-D-glucan and its water-soluble derivatives. In *International Journal of Biological Macromolecules*. Vol. 17, (1995), p. 323-326.

Citácie z WOS: 1

1. Zekovic DB; Kwiatkowski S; Vrvic MM; Jakovljevic D; Moran CA
CRITICAL REVIEWS IN BIOTECHNOLOGY 2005, Vol 25, pp 205-230

Citácie podľa iných indexov a báz (SCOPUS): 2

1. Yoo SHO; Kyung HL; Lee JS; Cha J; Cheon SP; Lee HG
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 6235-6239
2. Min SS; Lee S; Kwang YL; Hyeon GL
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 5554-5558

ŠESTÁK, S. - HAGEN, I. - TANNER, W. - STRAHL, S. Scw10p, a cell-wall glucanase/transglucosidase important for cell-wall stability in *Saccharomyces cerevisiae*. In *Microbiology-SGM*. Vol. 150, (2004), p. 3197-3208.

Citácie z WOS: 3

1. Krysan DJ; Ting EL; Abeijon C; Kroos L; Fuller RS
EUKARYOTIC CELL 2005, Vol 4, pp 1364-1374
2. De Groot PWJ; Ram AF; Klis FM
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 657-675
3. Wang CS; Hu G; St Leger RJ
FUNGAL GENETICS AND BIOLOGY 2005, Vol 42, pp 704-718

ŠIMKOVIC, I. One-step quaternization/crosslinking of starch with 3-chloro-2-hydroxy-propylammonium chloride/epichlorohydrin in the presence of NH₄OH. In *Carbohydrate Polymers*. Vol. 31, (1996), p. 47-51.

Citácie z WOS: 2

1. Hebeish A; Abdel-Rahman A; El-Hilw Z; Hashem M
STARCH-STARKE 2005, Vol 57, pp 616-623
2. Delval F; Crini G; Bertini S; Filiatre C; Torri G
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 67-75

ŠIMKOVIC, I. - JAKAB, E. Thermogravimetry/mass spectrometry study of weakly basic starch-based ion exchanger. In *Carbohydrate Polymers*. Vol. 45, (2001), p. 53-59.

Citácie z WOS: 2

1. Chambree D; Iditoiu C; Segal E; Cesaro A
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 2005, Vol 82, pp 803-811
2. Rudnik E; Matuschek G; Milanov N; Kettrup A
THERMOCHIMICA ACTA 2005, Vol 427, pp 163-166

ŠIMKOVIC, I. - LASZLO, J.A. Preparation of ion exchangers from bagasse by crosslinking with epichlorohydrin-NH₄OH or epichlorohydrin-imidazole. In *Journal of Applied Polymer Science*. Vol. 64, (1997), p. 2561-2566.

Citácie z WOS: 1

1. Shibi IG; Anirudhan TS
CHEMOSPHERE 2005, Vol 58, pp 1117-1126

ŠIMKOVIC, I. - LASZLO, J.A. - THOMPSON, A.R. Preparation of a weakly basic ion exchanger by crosslinking starch with epichlorohydrin in the presence of NH₄OH. In *Carbohydrate Polymers*. Vol. 30, (1996), p. 25-30.

Citácie z WOS: 1

1. Delval F; Crini G; Bertini S; Filiatre C; Torri G
CARBOHYDRATE POLYMERS 2005, Vol 60, pp 67-75

ŠMOGROVIČOVÁ, D. - DÖMÉNY, Z. - GEMEINER, P. - MALOVÍKOVÁ, A. - ŠTURDÍK, E. Reactors for continuous primary beer fermentation using immobilized yeast. In *Biotechnology Techniques*. Vol. 11, (1997), p. 261-264.

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. NEDOVIĆ, V. - WILLAERT, R. - LESKOŠEK-ČUKALOVIĆ, I. - OBRADOVIĆ, B. - BUGARSKI, B. Beer production using immobilised cells. In NEDOVIĆ, V. - WILLAERT, R. *Applications of cell immobilisation biotechnology*. Dordrecht: Springer, 2005, vol. 8B, series: Focus on biotechnology. ISBN 1-4020-3229-3. p. 259-273.

ŠOLTÉS, L. - MISLOVIČOVÁ, D. - SEBILLE, B. Insight into the distribution of molecular weights and higher-order structure of hyaluronans and some β -(1→3)-glucans by size exclusion chromatography. In *Biomedical Chromatography*. Vol. 10, (1996), p. 53-59.

Citácie z WOS: 1

1. Prieto JG; Pulido MM; Zapico J; Molina AJ; Gimeno M; Coronel P; Alvarez AI
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2005, Vol 35, pp 63-69

ŠOTTNÍKOVÁ, A. - LUNÁČKOVÁ, L. - MASAROVIČOVÁ, E. - LUX, A. - STREŠKO, V. Changes in the rooting and growth of willows and poplars induced by cadmium. In *Biologia Plantarum*. Vol. 46, (2003), p. 129-131.

Citácie z WOS: 3

1. Vandecasteele B; Meers E; Vervaeke P; De Vos B; Quataert P; Tack FMG *CHEMOSPHERE* 2005, Vol 58, pp 995-1002
2. Astolfi S; Zuchi S; Passera C *BIOLOGIA PLANTARUM* 2004, Vol 48, pp 413-418
3. Mazen AMA *BIOLOGIA PLANTARUM* 2004, Vol 48, pp 267-272

ŠOTTNÍKOVÁ, A. - LUX, A. Development, dilation and subdivision of cortical layers of gentian (*Gentiana asclepiadea*) root. In *New Phytologist*. Vol. 160, (2003), p. 135-143.

Citácie z WOS: 1

1. Seago JL; Seago MA *BIOLOGIA* 2004, Vol 59, Suppl 13, pp 49-56

ŠVEC, F. - GEMEINER, P. Engineering aspects of carriers for immobilized biocatalysts. In *Biotechnology and Genetic Engineering Reviews*. Vol. 13, (1995), p. 217-235.

Citácie z WOS: 1

1. Kan JQ; Jiang Y; Li SQ *BULLETIN OF ELECTROCHEMISTRY* 2005, Vol 21, pp 451-460

ŠVITEL, J. - ČURILLA, O. - TKÁČ, J. Microbial cell-based biosensor for sensing glucose, sucrose or lactose. In *Biotechnology and Applied Biochemistry*. Vol. 27, (1998), p. 153-158.

Citácie z WOS: 1

1. Goktug T; Sezginturk MK; Dinckaya E *ANALYTICA CHIMICA ACTA* 2005, Vol 551, pp 51-56

TAMÁS, L. - HUTTOVÁ, J. - MISTRÍK, I. - KOGAN, G. Effect of carboxymethyl chitin-glucan on the activity of some hydrolytic enzymes in maize plants. In *Chemical Papers*. Vol. 56, (2002), p. 326-329.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Srobarova A; Eged S *PLANT, SOIL AND ENVIRONMENT* 2005, Vol 51, pp 322-327

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - TÓTHOVÁ, K. - PRAŽMÁRIOVÁ, E. - NAĐOVÁ, S. Effect of biologically active compound on different genetic model systems. In ZIMA, M. - BOLEČEK, P. - OMELKA, R. *Progress in Biology: Proceedings of the International Scientific Conference „4th Biological Days”, Nitra, September 8-9, 2005.* Nitra: Fakulta prírodných vied UKF, Edícia Prírodovedec č. 178, 2005. ISBN 80-8050-864-X. p. 411-415.

TILŠER, I. - BREIEROVÁ, E. - TICHÝ, M. - SKALSKÁ, H. - ETTLEROVÁ, E. Effect of supplementation of University of Wisconsin solution with glycoproteins from psychrophilic strains of yeast on hypothermic liver storage of rats. In *Cryobiology*. Vol. 33, (1996), p. 347-353.

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Zhao MA; Xhu YZ; Dhital SP; Khu DM; Song YS; Wang MY; Lim HT *PLANT CELL REPORTS* 2005, Vol 24, pp 477-481

TKÁČ, J. - GEMEINER, P. - ŠTURDÍK, E. Rapid and sensitive galactose oxidase-peroxidase biosensor for galactose detection with prolonged stability. In *Biotechnology Techniques*. Vol. 13, (1999), p. 931-936.

Citácie z WOS: 1

1. Kotzian P; Brazdilova P; Kalcher K; Vytras K
ANALYTICAL LETTERS 2005, Vol 38, pp 1099-1113

TKÁČ, J. - NAVRÁTIL, M. - ŠTURDÍK, E. - GEMEINER, P. Monitoring of dihydroxyacetone production during oxidation of glycerol by immobilized *Gluconobacter oxydans* cells with an enzyme biosensor. In *Enzyme and Microbial Technology*. Vol. 28, (2001), p. 383-388.

Citácie z WOS: 1

1. Lapenaite I; Kurtinaitiene B; Razumiene J; Laurinavicius V; Marcinkeviciene L; Bachmatova I; Meskys R; Ramanavicius A
ANALYTICA CHIMICA ACTA 2005, Vol 549, pp 140-150

TKÁČ, J. - VOŠTIAR, I. - GEMEINER, P. - ŠTURDÍK, E. Stabilization of ferrocene leakage by physical retention in a cellulose acetate membrane. The fructose biosensor. In *Bioelectrochemistry*. Vol. 55, (2002), p. 149-151.

Citácie z WOS: 3

1. Oh SY; Yoo DI; Shin Y; Kim HY; Kim HC; Chung YS; Park WH; Youk JH
FIBERS AND POLYMERS 2005, Vol 6, pp 95-102
2. Ghica ME; Brett CMA
ANALYTICAL LETTERS 2005, Vol 38, pp 907-920
3. Bean LS; Heng LY; Yamin BM; Ahmad M
THIN SOLID FILMS 2005, Vol 477, pp 104-110

TKÁČ, J. - VOŠTIAR, I. - GEMEINER, P. - ŠTURDÍK, E. Indirect evidence of direct electron communication between the active site of galactose oxidase and a graphite electrode. In *Bioelectrochemistry*. Vol. 56, (2002), p. 23-25.

Citácie z WOS: 1

1. Ren ML; Meng XW; Chen D; Tang FQ; Jiao J
BIOSENSORS & BIOELECTRONICS 2005, Vol 21, pp 433-437

TKÁČ, J. - VOŠTIAR, I. - GEMEINER, P. - ŠTURDÍK, E. Monitoring of ethanol during fermentation using a microbial biosensor with enhanced selectivity. In *Bioelectrochemistry*. Vol. 56, (2002), p. 127-129.

Citácie z WOS: 2

1. Ito Y; Ito T; Takaba H; Nakao S
JOURNAL OF MEMBRANE SCIENCE 2005, Vol 261, pp 145-151
2. Morris K; Zhao HJ; John R
AUSTRALIAN JOURNAL OF CHEMISTRY 2005, Vol 58, pp 237-245

TKÁČ, J. - VOŠTIAR, I. - GORTON, L. - GEMEINER, P. - ŠTURDÍK, E. Improved selectivity of microbial biosensor using membrane coating. Application to the analysis of ethanol during fermentation. In *Biosensors and Bioelectronics*. Vol. 18, (2003), p. 1125-1134.

Citácie z WOS: 2

1. Chay TC; Surif S; Heng LY
SENSOR LETTERS 2005, Vol 3, pp 49-54

2. Alhadeff EM; Salgado AM; Pereira N; Valdman B
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 361-371

TKÁČ, J. - VOŠTIAR, I. - MANDENIUS, C.F. Evaluation of disruption methods for the release of intracellular recombinant protein from Escherichia coli for analytical purposes. In *Biotechnology and Applied Biochemistry*. Vol. 40, (2004), p. 83-88.

Citácie z WOS: 1

1. Rich RL; Myszka DG
JOURNAL OF MOLECULAR RECOGNITION 2005, Vol 18, pp 431-478

TKÁČ, J. - VOŠTIAR, I. - ŠTURDÍK, E. - GEMEINER, P. - MASTIHUBA, V. - ANNUS, J. Fructose biosensor based on D-fructose dehydrogenase immobilised on a ferrocene-embedded cellulose acetate membrane. In *Analytica Chimica Acta*. Vol. 439 (2001), p. 39-46.

Citácie z WOS: 3

1. Bean LS; Heng LY; Yamin BM; Ahmad M
THIN SOLID FILMS 2005, Vol 477, pp 104-110
2. Zhang C; Wang K
ANALYTICAL LETTERS 2002, Vol 35, pp 869-880
3. Guiseppi-Elie A; Brahim S; Narinesingh D
JOURNAL OF MACROMOLECULAR SCIENCES - PURE AND APPLIED CHEMISTRY 2001, Vol 38A, pp 1575-1591

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MEIER, S. Entwicklung eines Multianalysensors zur Bestimmung der Zucker Glucose, Fructose und Saccharose für die Vor-Ort-Überwachung von Gärprozessen. In *Dissertation*. Westfälischen Wilhelms-Universität Münster, 2002. 138 p.

TOMÁŠKA, M. - GEMEINER, P. - MATERLÍN, I. - ŠTURDÍK, E. - HANDRÍKOVÁ, G. Calcium pectate gel beads for cell entrapment: A study on the stability of *Kluyveromyces marxianus* whole-cell lactase entrapped in hardened calcium pectate and calcium alginate gel beads. In *Biotechnology and Applied Biochemistry*. Vol. 21, (1995), p. 347-356.

Citácie z WOS: 1

1. Parra R; Aldred D; Magan N
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 336-344

TOPAKAS, E. - STAMATIS, H. - BIELY, P. - CHRISTAKOPOULOS, P. Purification and characterization of a type B feruloyl esterase (StFAE-A) from the thermophilic fungus *Sporotrichum thermophile*. In *Applied Microbiology and Biotechnology*. Vol. 63, (2004), p. 686-690.

Citácie z WOS: 2

1. Wang XK; Geng X; Egashira Y; Sanada H
FOOD SCIENCE AND TECHNOLOGY RESEARCH 2005, Vol 11, pp 241-247
2. Levasseur A; Navarro D; Punt PJ; Belaich JP; Asther M; Record E
APPLIED AND ENVIRONMENTAL MICROBIOLOGY 2005, Vol 71, pp 8132-8140

TOPAKAS, E. - STAMATIS, H. - BIELY, P. - KEKOS, D. - MACRIS, B.J. - CHRISTAKOPOULOS, P. 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*. Vol. 102, (2003), p. 33-44.

Citácie z WOS: 4

1. Wang XK; Geng X; Egashira Y; Sanada H

- FOOD SCIENCE AND TECHNOLOGY RESEARCH 2005, Vol 11, pp 241-247
2. Hwang BY; Kim JH; Kim J; Kim BG
BIOTECHNOLOGY AND BIOPROCESS ENGINEERING 2005, Vol 10, pp 367-371
 3. Figueroa-Espinoza MC; Villeneuve P
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 2779-2787
 4. Tarbouriech N; Prates JAM; Fontes CMGA; Davies GJ
ACTA CRYSTALLOGRAPHICA SECTION D 2005, Vol 61, pp 194-197

TOPAKAS, E. - STAMATIS, H. - MASTIHUBOVÁ, M. - BIELY, P. - 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*. Vol. 33, (2003), p. 729-737.

Citácie z WOS: 1

1. Wang XK; Geng X; Egashira Y; Sanada H
FOOD SCIENCE AND TECHNOLOGY RESEARCH 2005, Vol 11, pp 241-247
- Citácie podľa iných indexov a báz (Google): 1
1. Case Cui; Li Quisheng; Hong Le
CHINESE JOURNAL OF BIOCHEMICAL PHARMACEUTICS 2005, Vol 26, pp 18-21

TUOHY, M.G. - PULS, J. - CLAEYSSENS, M. - VRŠANSKÁ, M. - COUGHLAN, M.P. The xylan-degrading enzyme system of *Talaromyces emersonii* - novel enzymes with activity against aryl β-D-xylosides and unsubstituted xylyns. In *Biochemical Journal*. Vol. 290, (1993), p. 515-523.

Citácie z WOS: 2

1. Gaur R, Lata; Khare SK
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY 2005, Vol 21, pp 1123-1128
2. Moriyoshi K; Yamanaka H; Ohmoto T; Ohe T; Sakai K
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 1292-1299

TVAROŠKA, I. An attempt to derive the potential function for evaluation of the energy associated with the exo-anomeric effect. In *Carbohydrate Research*. Vol. 125, (1984), p. 155-160.

Citácie z WOS: 1

1. Yui T; Ogawa K
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 159-176

TVAROŠKA, I. Theoretical studies on the conformation of saccharides. VIII. Solvent effect on the stability of β-cellobiose conformers. In *Biopolymers*. Vol. 23, (1984), p. 1951-1960.

Citácie z WOS: 2

1. Umemura M; Yuguchi Y
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2520-2532
2. Umemura M; Yuguchi Y; Hirotsu T
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 730, pp 1-8

TVAROŠKA, I. Molecular modeling insights into the catalytic mechanism of the retaining galactosyltransferase LgtC. In *Carbohydrate Research*. Vol. 339, (2004), p. 1007-1014.

Citácie z WOS: 1

1. Reinert DJ; Jank T; Aktories K; Schulz GE
JOURNAL OF MOLECULAR BIOLOGY 2005, Vol 351, pp 973-981

TVAROŠKA, I. The structure and conformational properties of carbohydrates. In NÁRAY-SZABÓ, G. *Theoretical Chemistry of Biological Systems*. Amsterdeam: Elsevier, 1986. ISBN 0444425977. p. 283-348.

Citácie z WOS: 1

1. Volkova NL; Parfenyuk EV
THERMOCHIMICA ACTA 2005, Vol 435, pp 108-112

TVAROŠKA, I. - ANDRÉ, I. - CARVER, J.P. Catalytic mechanism of the inverting *N*-acetylglucosaminyltransferase I: DFT quantum mechanical model of the reaction pathway and determination of the transition state structure. In *Glycobiology*. Vol. 13, (2003), p. 559-566.

Citácie z WOS: 1

1. Strasser R; Stadlmann J; Svoboda B; Altmann F; Glossl J; Mach L
BIOCHEMICAL JOURNAL 2005, Vol 387, pp 385-391

TVAROŠKA, I. - ANDRÉ, I. - CARVER, J.P. Ab initio molecular orbital study of the catalytic mechanism of glycosyltransferases: Description of reaction pathways and determination of transition-state structures for inverting N-acetylglucosaminyltransferases.

In *Journal of the American Chemical Society*. Vol. 122, (2000), p. 8762-8776.

Citácie z WOS: 1

1. Stubbs JM; Marx D
CHEMISTRY-A EUROPEAN JOURNAL 2005, Vol 11, pp 2651-2659

TVAROŠKA, I. - ANDRÉ, I. - CARVER, J.P. Ab initio studies of conformational properties of dimethyl diphosphate dianion and its complex with magnesium. In *Journal of Molecular Structure*. Vol. 469, (1999), p. 103-114.

Citácie z WOS: 3

1. Dabbagh HA; Chermahini ARN; Modarresi-Alam AR
BULLETIN OF THE KOREAN CHEMICAL SOCIETY 2005, Vol 26, pp 1229-1234
2. Vereshchagina YA; Ishmaeva EA; Zverev VV
USPEKHI KHIMII 2005, Vol 74, pp 323-343
3. Yeganegi M; Pylypenko D; Hon A; Choi C; Zsoldos Z; Chass GA; Csizmadia IG
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2003, Vol 666, pp 99-107

TVAROŠKA, I. - BLEHA, T. Anomeric and exoanomeric effects in carbohydrate chemistry. In *Advances in Carbohydrate Chemistry and Biochemistry*. Vol. 47, (1989), p. 45-123.

Citácie z WOS: 10

1. Smoot JT; Pornsuriyasak P; Demchenko AV
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 2005, Vol 44, pp 7123-7126
2. Yui T; Ogawa K
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 159-176
3. Chakka N; Johnston BD; Pinto BM
CANADIAN JOURNAL OF CHEMISTRY 2005, Vol 83, pp 929-936
4. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC

- CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184
5. Klepac TE; Carmichael I; Serianni AS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 9781-9793
 6. Toumieux S; Compain P; Martin OR
TETRAHEDRON LETTERS 2005, Vol 46, pp 4731-4735
 7. Behrends R; Kaatze U
CHEMPHYSCHM 2005, Vol 6, pp 1133-1145
 8. Garcia-Aparicio V; Fernandez-Alonso MDC; Angulo J; Asensio JL; Canada FJ; Jimenez-Barbero JI; Mootoo DR; Cheng XH
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 519-527
 9. Taddei F, Kleinpeter E
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 718, pp 141-151
 10. Lii JH, Chen KH, Johnson GP, French AD, Allinger NL
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 853-862

TVAROŠKA, I. - BLEHA, T. Theoretical stereochemistry of molecules with heteroatoms linked to the tetrahedral center and the anomeric effect. In *Chemical Papers*. Vol. 39, (1985), p. 805-847.

Citácie z WOS: 1

1. Feshin VP; Zhizhina LI; Feshina EV
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII 2005, Iss 2, pp 196-201

TVAROŠKA, I. - BLEHA, T. Calculation of solvent effect on the conformational stability and anomeric effect in dimethoxymethane. In *Collection of Czechoslovak Chemical Communications*. Vol. 45, (1980), p. 1883-1895.

Citácie z WOS: 1

1. Chandrasekhar S
ARKIVOC 2005, Part 13, pp 37-66

TVAROŠKA, I. - CARVER, J.P. The anomeric and exo-anomeric effects of a hydroxyl group and the stereochemistry of the hemiacetal linkage. In *Carbohydrate Research*. Vol. 309, (1998), p. 1-9.

Citácie z WOS: 3

1. Dabbagh HA; Chermahini ARN; Modarresi-Alam AR
BULLETIN OF THE KOREAN CHEMICAL SOCIETY 2005, Vol 26, pp 1229-1234
2. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184
3. Stortz CA
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 471-483

TVAROŠKA, I. - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 4. Flexibility of Psi-type glycosidic bonds in carbohydrates. In *Journal of Molecular Structure: THEOCHEM*. Vol. 395, (1997), p. 1-13.

Citácie z WOS: 3

1. Schauble JH; Trauffer EA; Deshpande PP; Evans RD
SYNTHESIS-STUTTGART 2005, Iss 8, pp 1333-1339
2. Stortz CA
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 471-483
3. Lii JH, Chen KH, Johnson GP, French AD, Allinger NL

CARBOHYDRATE RESEARCH 2005, Vol 340, pp 853-862

TVAROŠKA, I. - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 6. The gauche effect and conformations of the hydroxymethyl and methoxymethyl groups. In *Journal of Physical Chemistry B*. Vol. 101, (1997), p. 2992-2999.
Citácie z WOS: 3

1. Case DA; Cheatham TE; Darden T; Gohlke H; Luo R; Merz KM; Onufriev A; Simmerling C; Wang B; Woods RJ
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 1668-1688
2. Lins RD; Hunenberger PH
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 1400-1412
3. Kuttel MM; Naidoo KJ
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 7468-7474

TVAROŠKA, I. - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 3. Effect of the electric field on conformations about the glycosidic linkage. In *Journal of Physical Chemistry*. Vol. 99, (1995), p. 6234-6241.

Citácie z WOS: 1

1. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184

TVAROŠKA, I. - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 1. The anomeric effect in fluoro and chloro derivatives of tetrahydropyran. In *Journal of Physical Chemistry*. Vol. 98, (1994), p. 6452-6458.

Citácie z WOS: 2

1. Weldon AJ; Vickrey TL; Tschumper GS
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 11073-11079
2. Yui T; Ogawa K
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 159-176

TVAROŠKA, I. - CARVER, J.P. Ab initio molecular orbital calculation of carbohydrate model compounds. 2. Conformational analysis of axial and equatorial 2-methoxytetrahydropyrans. In *Journal of Physical Chemistry*. Vol. 98, (1994), p. 9477-9485.

Citácie z WOS: 4

1. Weldon AJ; Vickrey TL; Tschumper GS
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 11073-11079
2. Yui T; Ogawa K
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 159-176
3. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184
4. Stortz CA
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 471-483

TVAROŠKA, I. - GAJDOŠ, J. Angular dependence of vicinal carbon-proton coupling constants for conformational studies of the hydroxymethyl group in carbohydrates. In *Carbohydrate Research*. Vol. 271, (1995), p. 151-162.

Citácie z WOS: 4

1. Palleschi A; Bocchinfuso G; Coviello T; Alhaique F

- CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2154-2162
2. Klepach TE; Carmichael I; Serianni AS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 9781-9793
 3. Achkar J; Sanchez-Larraza I; Johnson CA; Wei A
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 214-226
 4. Novak P; Tomisic ZB; Tepes P; Lazarevski G; Plavec J; Turkalj G
ORGANIC & BIOMOLECULAR CHEMISTRY 2005, Vol 3, pp 39-47

TVAROŠKA, I. - HRICOVÍNI, M. - PETRÁKOVÁ, 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*. Vol. 189, (1989), p. 359-362.

Citácie z WOS: 5

1. Palleschi A; Bocchinfuso G; Coviello T; Alhaique F
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2154-2162
2. Klepach TE; Carmichael I; Serianni AS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 9781-9793
3. Becker CF; Guimaraes JA; Verli H
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1499-1507
4. Gonzalez-Outeirino J; Kadirvelraj R; Woods RJ
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 1007-1018
5. Caffarena ER; Lorenzo AC
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM 2005, Vol 714, pp 189-197

TVAROŠKA, I. - KOŽÁR, T. Theoretical studies on the conformation of saccharides. 3. Conformational properties of the glycosidic linkage in solution and their relation to the anomeric and exoanomeric effects. In *Journal of American Chemical Society*. Vol. 102, (1980), p. 6929-6936.

Citácie z WOS: 2

1. Ionescu AR; Berces A; Zgierski MZ; Whitfield DM; Nukada T
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 8096-8105
2. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184

TVAROŠKA, I. - KOŽÁR, T. Theoretical studies on the conformation of saccharides. 7. Structure and stereochemistry of α -D-glucopyranose and β -D-glucopyranose in solution. In *Theoretica Chimica Acta*. Vol. 70, (1986), p. 99-114.

Citácie z WOS: 1

1. Bitzer RS; Barbosa AGH; da Silva CO; Nascimento MAC
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2171-2184

TVAROŠKA, I. - OGAWA, K. - DESLANDES, I. - MARCHESSAULT, R.H. Crystalline conformation and structure of Lichenan and Barley β -glucan. In *Canadian Journal of Chemistry*. Vol. 61, (1983), p. 1608-1616.

Citácie z WOS: 1

1. Ebringerova A; Hromadkova Z; Heinze T
ADVANCES IN POLYMER SCIENCE 2005, Vol 186, pp 1-67

TVAROŠKA, I. - PÉREZ, S. Conformational-energy calculations for oligosaccharides - a comparison of methods and a strategy of calculation. In *Carbohydrate Research*. Vol. 149, (1986), p. 389-410.

Citácie z WOS: 3

1. Yui T; Ogawa K
TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY 2005, Vol 17, pp 159-176
2. Lii JH, Chen KH, Johnson GP, French AD, Allinger NL
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 853-862
3. French AD; Johnson GP; Kelterer AM; Csonka GI
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 577-586

TVAROŠKA, I. - PÉREZ, S. - MARCHESSAULT, R.H. Conformation of (1→6)- α -D-glucan. In *Carbohydrate Research*. Vol. 61, (1978), p. 97-106.

Citácie z WOS: 1

1. Icoz DZ; Moraru CI; Kokini JL
CARBOHYDRATE POLYMERS 2005, Vol 62, pp 120-129

TVAROŠKA, I. - PÉREZ, S. - NOBLE, O. - TARAVEL, F. Theoretical studies on the conformation of saccharides. 10. Solvent effect on the stability of mannobiose conformers. In *Biopolymers*. Vol. 26, (1987), p. 1499-1508.

Citácie z WOS: 1

1. Stortz CA
ARKIVOC 2005, Part 12, pp 22-35

TVAROŠKA, I. - TARAVEL, F.R. One-bond carbon-proton coupling constants: Angular dependence in β -linked oligosaccharides. In *Journal of Biomolecular NMR*. Vol. 2, (1992), p. 421-430.

Citácie z WOS: 1

1. Kleinpeter E; Koch A; Pihlaja K
TETRAHEDRON 2005, Vol 61, pp 7349-7358

TVAROŠKA, I. - TARAVEL, F.R. Computer modelling of polysaccharide-polysaccharide interactions. In DUMITRIU, S. *Polysaccharides: Structural Diversity and Functional Versatility*. New York: Marcel Dekker Inc, 1998. ISBN 0824701275. p. 173-210.

Citácie z WOS: 1

1. Cheetham NWH; Dasgupta P
AUSTRALIAN JOURNAL OF CHEMISTRY 2005, Vol 58, pp 803-809

TVAROŠKA, I. - TARAVEL, F.R. Carbon-proton coupling constants in the conformational analysis of sugar molecules. In *Advances in Carbohydrate Chemistry and Biochemistry*. Vol. 51, (1995), p. 15-61.

Citácie z WOS: 5

1. Crich D; Vinod AU; Picione J; Wink DJ
ARKIVOC 2005, Part 6, pp 339-344
2. Crich D; Jayalath P
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 7252-7259
3. Martin-Pastor M; Canales A; Corzana F; Asensio JL; Jimenez-Barbero J
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 3589-3595

4. Lin HC; Chang CC; Chen JY; Lin CH
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 297-301
5. Oikawa M; Adachi S; Kusumoto S
ORGANIC LETTERS 2005, Vol 7, pp 661-664

TVAROŠKA, I. - 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*. Vol. 337, (2002), p. 353-367.

Citácie z WOS: 12

1. Ko H; Shim G; Kim Y
BULLETIN OF THE KOREAN CHEMICAL SOCIETY 2005, Vol 26, pp 2001-2006
2. Dashnau JL; Sharp KA; Vanderkooi JM
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 24152-24159
3. Turner A; Chen SN; Joike MK; Pendland SL; Pauli GF; Farnsworth NR
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2005, Vol 53, pp 8940-8947
4. Lins RD; Hunenberger PH
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 1400-1412
5. Klepac TE; Carmichael I; Serianni AS
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, pp 9781-9793
6. Hindley ML; Lee KC; Davis JT
JOURNAL OF CARBOHYDRATE CHEMISTRY 2005, Vol 24, pp 261-273
7. Zhang QM; Lee GR; Marszalek PE
JOURNAL OF PHYSICS-CONDENSED MATTER 2005, Vol 17, pp S1427-S1442
8. Nukada T; Berces A; Wang LJ; Zgierski MZ; Whitfield DM
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 841-852
9. Stortz CA
JOURNAL OF COMPUTATIONAL CHEMISTRY 2005, Vol 26, pp 471-483
10. Appell M; Willett JL; Momany FA
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 459-468
11. Liu FW; Zhang YB; Liu HM; Song XP
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 489-495
12. Dawes R; Gough KM; Hultin PG
JOURNAL OF PHYSICAL CHEMISTRY A 2005, Vol 109, pp 218-223

TVAROŠKA, I. - VÁCLAVÍK, L. Theoretical studies on the conformation of saccharides. 9. Stereochemistry of nonreducing disaccharides in solution. In *Carbohydrate Research*. Vol. 160, (1987), p. 137-149.

Citácie z WOS: 3

1. Kuttel MM; Naidoo KJ
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 875-879
2. French AD; Johnson GP; Kelterer AM; Csonka GI
TETRAHEDRON-ASYMMETRY 2005, Vol 16, pp 577-586
3. Oku K; Kurose M; Kubota M; Fukuda S; Kurimoto M; Tujisaka Y; Okabe A; Sakurai M
JOURNAL OF PHYSICAL CHEMISTRY B 2005, Vol 109, pp 3032-3040

VALKO, L. - TVAROŠKA, I. - KOVARÍK, P. Saturated irregular structures in PVC. In *European Polymer Journal*. Vol. 11, (1975), p. 411-416.

Citácie z WOS: 1

1. Minsker KS; Zaikov GE; Zaikov G
MACROMOLECULAR SYMPOSIA 2005, Vol 228, pp 299-313

VAN PEIJ, N.N.M.E. - BRINKMANN, J. - VRŠANSKÁ, M. - VISSER, J. - DE GRAAFF, L.H. β -Xylosidase activity, encoded by xlnD, is essential for complete hydrolysis of xylan by Aspergillus niger but not for induction of the xylanolytic enzyme spectrum. In *European Journal of Biochemistry*. Vol. 245, (1997), p. 164-173.

Citácie z WOS: 5

1. Polizeli MLTM; Rizzatti ACS; Monti R; Terenzi HF; Jorge JA; Amorim DS
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY 2005, Vol 67, pp 577-591
2. de Vries RP; van Grieken C; vanKuyk PA; Wosten HAB
CURRENT GENOMICS 2005, Vol 6, pp 157-187
3. Sorensen HR; Pedersen S; Vikso-Nielsen A; Meyer AS
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 773-784
4. Bencina M; Legisa M; Read ND
MOLECULAR MICROBIOLOGY 2005, Vol 56, pp 268-281
5. Day A; Addi M; Kim W; David H; Bert F; Mesnage P; Rolando C; Chabbert B; Neutelings G; Hawkins S
PLANT BIOLOGY 2005, Vol 7, pp 23-32

VOLDOIRE, A. - MOREAU, P. - SANCELME, M. - MATULOVÁ, M. - LÉONCE, S. - PIERRÉ, A. - HICKMAN, J. - PFEIFFER, B. - RENARD, P. - DIAS, N. - BAILLY, C. - PRUDHOMME, M. Analogues of antifungal tijpanazoles from rebeccamycin. In *Bioorganic & Medicinal Chemistry*. Vol. 12, (2004), p. 1955-1962.

Citácie z WOS: 2

1. Dembitsky VM
LIPIDS 2005, Vol 40, pp 1081-1105
2. Witulski B; Schweikert T
SYNTHESIS-STUTTGART 2005, Iss 12, pp 1959-1966

VON DER KAMMER, H. - HANES, J. - KLAUDINY, J. - SCHEIT, K.H. A human amyloid precursor-like protein is highly homologous to a mouse sequence-specific DNA-binding protein. In *DNA and Cell Biology*. Vol. 13, (1994), p. 1137-1143.

Citácie z WOS: 2

1. Meachem SJ; Ruwanpura SM; Ziolkowski J; Ague JM; Skinner MK; Loveland KL
JOURNAL OF ENDOCRINOLOGY 2005, Vol 186, pp 429-446
2. Lopez-Sanchez N; Muller U; Frade JM
NEUROSCIENCE 2005, Vol 130, pp 51-60

VON DER KAMMER, H. - LOFFLER, C. - HANES, J. - KLAUDINY, J. - SCHEIT, K.H. - HANSMANN, I. The gene for the amyloid precursor-like protein APLP2 is assigned to human chromosome 11Q23-Q25. In *Genomics*. Vol. 20, (1994), p. 308-311.

Citácie z WOS: 1

1. Diehl D; Lahm H; Wolf E; Bauersachs S
INTERNATIONAL JOURNAL OF CANCER 2005, Vol 113, pp 588-599

VOŠTIAR, I. - TKÁČ, J. - MANDENIUS, C.F. Monitoring of the heat-shock response in Escherichia coli using an optical biosensor. In *Analytical Biochemistry*. Vol. 322, (2003), p. 156-163.

Citácie z WOS: 1

1. Rich RL; Myszka DG
JOURNAL OF MOLECULAR RECOGNITION 2005, Vol 18, pp 1-39

VOŠTIAR, I. - TKÁČ, J. - MANDENIUS, C.F. Off-line monitoring of bacterial stress response during recombinant protein production using an optical biosensor. In *Journal of Biotechnology*. Vol. 111, (2004), p. 191-201.

Citácie z WOS: 2

1. Rich RL; Myszka DG
JOURNAL OF MOLECULAR RECOGNITION 2005, Vol 18, pp 431-478
2. Roodveldt C; Aharoni A; Tawfik DS
CURRENT OPINION IN STRUCTURAL BIOLOGY 2005, Vol 15, pp 50-56

VOŠTIAR, I. - TKÁČ, J. - ŠTURDÍK, E. - GEMEINER, P. Amperometric urea biosensor based on urease and electropolymerized toluidine blue dye as a pH-sensitive redox probe. In *Bioelectrochemistry*. Vol. 56, (2002), p. 113-115.

Citácie z WOS: 5

1. Kuwahara T; Oshima K; Shimomura M; Miyauchi S
POLYMER 2005, Vol 46, pp 8091-8097
2. Rajesh; Bisht V; Takashima W; Kaneto K
SURFACE & COATINGS TECHNOLOGY 2005, Vol 198, pp 231-236
3. Ma AH; Rosenzweig Z
ANALYTICAL AND BIOANALYTICAL CHEMISTRY 2005, Vol 382, pp 28-36
4. Rajesh; Bisht V; Takashima W; Kaneto K
BIOMATERIALS 2005, Vol 26, pp 3683-3690
5. Rajesh; Bisht V; Takashima W; Kaneto K
REACTIVE & FUNCTIONAL POLYMERS 2005, Vol 62, pp 51-59

VRÁBEL, P. - POLAKOVIČ, M. - GODÓ, Š. - BÁLEŠ, V. - DOČOLOMANSKÝ, P. - GEMEINER, P. Influence of immobilization on the thermal inactivation of yeast invertase. In *Enzyme and Microbial Technology*. Vol. 21, (1997), p. 196-202.

Citácie z WOS: 2

1. Ladero M; Ferrero R; Vian A; Santos A; Garcia-Ochoa F
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 37, pp 505-513
2. Gibbs PR; Uehara CS; Neunert U; Bommarius AS
BIOTECHNOLOGY PROGRESS 2005, Vol 21, pp 762-774

VRŠANSKÁ, M. - BIELY, P. The cellobiohydrolase I from *Trichoderma reesei* QM-9414: action on cello-oligosaccharides. In *Carbohydrate Research*. Vol. 227, (1992), p. 19-27.

Citácie z WOS: 1

1. Gusakov AV; Sinitsyn AP; Salanovich TN; Bukhtojarov FE; Markov AV; Ustinov BB; van Zeijl C; Punt P; Burlingame R
ENZYME AND MICROBIAL TECHNOLOGY 2005, Vol 36, pp 57-69

VRŠANSKÁ, M. - GORBACHEVA, I.V. - KRÁTKY, Z. - BIELY, P. Reaction pathways of substrate degradation by an acidic endo-1,4- β -xylanase of *Aspergillus niger*. In *Biochimica et Biophysica Acta*. Vol. 704, (1982), p. 114-122.

Citácie z WOS: 1

1. Collins T; Gerdar C; Feller G
FEMS MICROBIOLOGY REVIEWS 2005, Vol 29, pp 3-23

VRŠANSKÁ, M. - KRÁTKY, Z. - BIELY, P. Lysis of intact yeast cells and isolated cell walls by an inducible enzyme system of Arthrobacter GJM-1. In *Zeitschrift für Allgemeine Mikrobiologie*. Vol. 17. (1977), p. 391-402.

Citácie z WOS: 1

1. Fleuri LF; Sato HH
QUIMICA NOVA 2005, Vol 28, pp 871-879

VRŠANSKÁ, M. - KRÁTKY, Z. - BIELY, P. Enzymes of the yeast lytic system produced by Arthrobacter GJM-1 bacterium and their role in the lysis of yeast cell walls. In *Zeitschrift für Allgemeine Mikrobiologie*. Vol. 17, (1977), p. 465-480.

Citácie z WOS: 2

1. Fleuri LF; Sato HH
QUIMICA NOVA 2005, Vol 28, pp 871-879
2. Yoshida Y; Yokoi W; Ohishi K; Ito M; Naito E; Sawada H
BIOSCIENCE, BIOTECHNOLOGY AND BIOCHEMISTRY 2005, Vol 69, pp 714-723

WELLNER, N. - KAČURÁKOVÁ, M. - MALOVÍKOVÁ, A. - WILSON, R.H. - BELTON, P.S. FT-IR study of pectate and pectinate gels formed by divalent cations. In *Carbohydrate Research*. Vol. 308, (1998), p. 123-131.

Citácie z WOS: 7

1. Mimmo T; Marzadore C; Montecchio D; Gessa C
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2510-2519
2. Oh SY; Yoo DI; Shin Y; Kim HC; Kim HY; Chung YS; Park WH; Youk JH
CARBOHYDRATE RESEARCH 2005, Vol 340, pp 2376-2391
3. Devaux MF; Barakat A; Robert P; Bouchet B; Guillon F; Navez B; Lahaye M
POSTHARVEST BIOLOGY AND TECHNOLOGY 2005, Vol 37, pp 209-221
4. Monsoor MA
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 362-367
5. Gessa CE; Mimmo T; Deiana S; Marzadore C
PLANT AND SOIL 2005, Vol 272, pp 301-311
6. Atyabi F; Majzoob S; Iman M; Salehi M; Dorkoosh F
CARBOHYDRATE POLYMERS 2005, Vol 61, pp 39-51
7. Jones L; Milne JL; Ashford D; McCann MC; McQueen-Mason SJ
PLANTA 2005, Vol 221, pp 255-264

Citácie podľa iných indexov a báz (SCOPUS): 1

1. Lucinda-Silva RM; Carvalho LQ; Lepera JS; Evangelista RC
REVISTA DE CIENCIAS FARMACEUTICAS 2004, Vol 25, pp 11-16

YATES, E.A. - SANTINI, F. - DE CRISTOFANO, B. - PAYRE, N. - COSENTINO, C. - GUERRINI, M. - NAGGI, A. - TORRI, G. - HRICOVÍNI, M. Effect of substitution pattern on H-1, C-13 NMR chemical shifts and (1)J(CH) coupling constants in heparin derivatives. In *Carbohydrate Research*. Vol. 329, (2000), p. 239-247.

Citácie z WOS: 3

1. Kleinpeter E; Koch A; Pihlaja K
TETRAHEDRON 2005, Vol 61, pp 7349-7358
2. Hindley ML; Lee KC; Davis JT
JOURNAL OF CARBOHYDRATE CHEMISTRY 2005, Vol 24, pp 261-273
3. de Paz JL; Martin-Lomas M

ZÁKUTNÁ, L. - KOŠÍKOVÁ, B. - EBRINGEROVÁ, A. Partial alkaline delignification of spruce wood. IV. Electron microscopy of lignin and hemicellulose fractions isolated from pulps. In *Drevársky výskum*. Vol. 28, (1983), p. 15-28.

Citácie z WOS: 1

1. Micic M; Radotic K; Jeremic M; Leblanc RM
MACROMOLECULAR BIOSCIENCE 2003, Vol 3, pp 100-106

ZEMEK, J. - KOŠÍKOVÁ, B. - AUGUSTÍN, J. - JONIAK, D. Antibiotic properties of lignin components. In *Folia Microbiologica*. Vol. 24, (1979), p. 483-486.

Citácie z WOS: 1

1. Anderson WF; Peterson J; Akin DE; Morrison WH
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY 2005, Vol 121, pp 303-310

ZEMEK, J. - KUNIAK, L. - GEMEINER, P. - ZÁMOCKÝ, J. - KUČÁR, Š. Cross-linked polyethylenimine: an enzyme carrier with spacers of various length introduced in cross-linked reaction. In *Enzyme and Microbial Technology*. Vol. 4, (1982), p. 233-238

Citácie z WOS: 1

1. Barth M; Rademann J
JOURNAL OF COMBINATORIAL CHEMISTRY 2004, Vol 6, pp 340-349

ZHAO, S. - PETRUŠ, L. - SERIANNI, A.S. 1-Deoxy-D-xylulose: Synthesis based on molybdate-catalyzed rearrangement of a branched-chain aldotetrose. In *Organic Letters*. Vol. 3, (2001), p. 3819-3822.

Citácie z WOS: 2

1. Stockman R; Dekoninck J; Sels BF; Jacobs PA
NANOPOROUS MATERIALS IV STUDIES IN SURFACE SCIENCE AND CATALYSIS 2005, Vol 156, pp 843-850
2. Gallos JK; Stathakis CI; Kotoulas SS; Koumbis AE
JOURNAL OF ORGANIC CHEMISTRY 2005, Vol 70, pp 6884-6890

Citácie v monogr., učeb. a iných kniž. pub.: 1

1. MEIER, O. Biosynthèse des isoprénoides: synthèses d'analogues du 1-désoxy-D-xylulose 5-phosphate, inhibiteurs potentiels de la voie du méthylérythritol phosphate. In *PhD Thesis*. Chapter 3. Université Louis Pasteur, 2004. Available at <http://www.isis.u-strasbg.fr/lbc/Group/Thesis/OdileTHESE.pdf>

ŽÚBOR, V. - BREIER, A. - HORVÁTHOVÁ, M. - HAGAROVÁ, D. - GEMEINER, P. - MISLOVIČOVÁ, D. Purification of glycerol kinase by dye-ligand chromatography and hydrophobic interaction chromatography on bead-cellulose derivatives. In *Collection of Czechoslovak Chemical Communications*. Vol. 58, (1993), p. 445-451.

Citácie z WOS: 1

1. Grznarova G; Yu S; Stefuca V; Polakovic M
JOURNAL OF CHROMATOGRAPHY A 2005, Vol 1092, pp 107-113