

Marek Kuzma

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1156230/publications.pdf>

Version: 2024-02-01

150
papers

3,443
citations

136950

32
h-index

233421

45
g-index

151
all docs

151
docs citations

151
times ranked

4457
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR- and MS-Based Untargeted Metabolomic Study of Stool and Serum Samples from Patients with Anorexia Nervosa. <i>Journal of Proteome Research</i> , 2022, 21, 778-787.	3.7	6
2	High-performance countercurrent chromatography for lutein production from a chlorophyll-deficient strain of the microalgae <i>Parachlorella kessleri</i> HY1. <i>Journal of Applied Phycology</i> , 2021, 33, 1999-2013.	2.8	5
3	Structure elucidation of the novel carotenoid gemmatoxanthin from the photosynthetic complex of <i>Gemmatimonas phototrophica</i> AP64. <i>Scientific Reports</i> , 2021, 11, 15964.	3.3	3
4	Determination of Butyrate Synthesis Capacity in Gut Microbiota: Quantification of but Gene Abundance by qPCR in Fecal Samples. <i>Biomolecules</i> , 2021, 11, 1303.	4.0	6
5	The intestinal microbiota and metabolites in patients with anorexia nervosa. <i>Gut Microbes</i> , 2021, 13, 1-25.	9.8	58
6	Lipid Profiling in Epicardial and Subcutaneous Adipose Tissue of Patients with Coronary Artery Disease. <i>Journal of Proteome Research</i> , 2020, 19, 3993-4003.	3.7	7
7	Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling. <i>Cells</i> , 2020, 9, 2701.	4.1	38
8	Mild and Selective Method of Bromination of Flavonoids. <i>Journal of Natural Products</i> , 2020, 83, 3324-3331.	3.0	10
9	Different Reaction Specificities of F ₄₂₀ H ₂ -Dependent Reductases Facilitate Pyrrolobenzodiazepines and Lincomycin To Fit Their Biological Targets. <i>Journal of the American Chemical Society</i> , 2020, 142, 3440-3448.	13.7	14
10	Redox properties of individual quercetin moieties. <i>Free Radical Biology and Medicine</i> , 2019, 143, 240-251.	2.9	38
11	Preparation of Retinoyl-Flavonolignan Hybrids and Their Antioxidant Properties. <i>Antioxidants</i> , 2019, 8, 236.	5.1	12
12	Ergochromes: Heretofore Neglected Side of Ergot Toxicity. <i>Toxins</i> , 2019, 11, 439.	3.4	11
13	Epoxidation is the preferred pathway of first-stage metabolism of abiraterone acetate in brown bullhead (<i>Ameiurus nebulosus</i>). <i>Environmental Science and Pollution Research</i> , 2019, 26, 34896-34904.	5.3	1
14	Microbiota, Microbial Metabolites, and Barrier Function in A Patient with Anorexia Nervosa after Fecal Microbiota Transplantation. <i>Microorganisms</i> , 2019, 7, 338.	3.6	56
15	Isoalliin-Derived Thiolanes Formed in Homogenized Onion. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9895-9906.	5.2	12
16	Diet Rich in Animal Protein Promotes Pro-inflammatory Macrophage Response and Exacerbates Colitis in Mice. <i>Frontiers in Immunology</i> , 2019, 10, 919.	4.8	73
17	Minor lipids profiling in subcutaneous and epicardial fat tissue using LC/MS with an optimized preanalytical phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1113, 50-59.	2.3	9
18	Metabolomic Study of Obesity and Its Treatment with Palmitoylated Prolactin-Releasing Peptide Analog in Spontaneously Hypertensive and Normotensive Rats. <i>Journal of Proteome Research</i> , 2019, 18, 1735-1750.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Metabolomics Based on MS in Mice with Diet-Induced Obesity and Type 2 Diabetes Mellitus: the Effect of Vildagliptin, Metformin, and Their Combination. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 165-184.	2.9	11
20	Oxidation of flavonolignan silydianin to unexpected lactone-acid derivative. <i>Phytochemistry Letters</i> , 2019, 30, 14-20.	1.2	15
21	Competitive asymmetric transfer hydrogenation of 3,4-dihydroisoquinolines employing Noyori-Ikariya catalytic complexes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 124, 701-710.	1.7	3
22	Application of HPLC Combined with Polymeric Resins and HPLC for the Separation of Cyclic Lipopeptides Muscotoxins ¹³ C and Their Antimicrobial Activity. <i>Molecules</i> , 2018, 23, 2653.	3.8	13
23	CycloBranch: An open tool for fine isotope structures in conventional and product ion mass spectra. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1097-1103.	1.6	5
24	Novel pathway of 3-hydroxyanthranilic acid formation in limazepine biosynthesis reveals evolutionary relation between phenazines and pyrrolobenzodiazepines. <i>Scientific Reports</i> , 2018, 8, 7810.	3.3	16
25	Allithiolanes: Nine Groups of a Newly Discovered Family of Sulfur Compounds Responsible for the Bitter Off-Taste of Processed Onion. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8783-8794.	5.2	13
26	The effects of liraglutide in mice with diet-induced obesity studied by metabolomics. <i>Journal of Endocrinology</i> , 2017, 233, 93-104.	2.6	23
27	Separation of cyclic lipopeptide puwainaphycins from cyanobacteria by countercurrent chromatography combined with polymeric resins and HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 917-930.	3.7	21
28	Novel flavonolignan hybrid antioxidants: From enzymatic preparation to molecular rationalization. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 263-274.	5.5	25
29	Asymmetric Transfer Hydrogenation of 1-aryl-3,4-dihydroisoquinolines Using a Cp*Ir(TsDPEN) Complex. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5131-5134.	2.4	12
30	Semisynthesis and spectral characterization of 5-methylpyranopelargonidin and 4-methylfuropelargonidin and their separation and detection in strawberry fruit wine. <i>Journal of Chromatography A</i> , 2017, 1510, 40-50.	3.7	1
31	Diversity of Alkylproline Moieties in Pyrrolobenzodiazepines Arises from Postcondensation Modifications of a Unified Building Block. <i>ACS Chemical Biology</i> , 2017, 12, 1993-1998.	3.4	10
32	Synthesis and Antiradical Activity of Isoquercitrin Esters with Aromatic Acids and Their Homologues. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1074.	4.1	15
33	The cyanobacterial metabolite nocuolin A is a natural oxadiazine that triggers apoptosis in human cancer cells. <i>PLoS ONE</i> , 2017, 12, e0172850.	2.5	43
34	Impact of novel palmitoylated prolactin-releasing peptide analogs on metabolic changes in mice with diet-induced obesity. <i>PLoS ONE</i> , 2017, 12, e0183449.	2.5	35
35	Reprogramming of leukemic cell metabolism through the naphthoquinonic compound Quambalarine B. <i>Oncotarget</i> , 2017, 8, 103137-103153.	1.8	6
36	New Concept of the Biosynthesis of 4-Alkyl-L-Proline Precursors of Lincomycin, Hormaomycin, and Pyrrolobenzodiazepines: Could a ¹³ C-Glutamyltransferase Cleave the C-C Bond?. <i>Frontiers in Microbiology</i> , 2016, 7, 276.	3.5	30

#	ARTICLE	IF	CITATIONS
37	Isoquercitrin Esters with Mono- or Dicarboxylic Acids: Enzymatic Preparation and Properties. <i>International Journal of Molecular Sciences</i> , 2016, 17, 899.	4.1	16
38	Urinary metabolomic profiling in mice with diet-induced obesity and type 2 diabetes mellitus after treatment with metformin, vildagliptin and their combination. <i>Molecular and Cellular Endocrinology</i> , 2016, 431, 88-100.	3.2	34
39	Quambalarine B halts proliferation and reprograms metabolism of leukemic cells. <i>European Journal of Cancer</i> , 2016, 61, S121.	2.8	0
40	Silychristin: Skeletal Alterations and Biological Activities. <i>Journal of Natural Products</i> , 2016, 79, 3086-3092.	3.0	38
41	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 and induces Nrf2-dependent gene expression in RAW264.7 and Hepa1c1c7 cells. <i>Chemico-Biological Interactions</i> , 2016, 260, 58-66.	4.0	12
42	Role of the sulfonamide moiety of Ru(II) half-sandwich complexes in the asymmetric transfer hydrogenation of 3,4-dihydroisoquinolines. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 118, 215-222.	1.7	4
43	Metabolomic profiling of urinary changes in mice with monosodium glutamate-induced obesity. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 567-578.	3.7	26
44	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. <i>Free Radical Biology and Medicine</i> , 2016, 90, 114-125.	2.9	72
45	Effects of 2,3-Dehydrosilybin and Its Galloyl Ester and Methyl Ether Derivatives on Human Umbilical Vein Endothelial Cells. <i>Journal of Natural Products</i> , 2016, 79, 812-820.	3.0	13
46	Deacetylation of mycothiol-derived waste product triggers the last biosynthetic steps of lincosamide antibiotics. <i>Chemical Science</i> , 2016, 7, 430-435.	7.4	18
47	Enantioselective hydrogenation of cyclic imines catalysed by Noyori-Ikariya half-sandwich complexes and their analogues. <i>Chemical Communications</i> , 2016, 52, 362-365.	4.1	27
48	Regioselective Alcoholysis of Silychristin Acetates Catalyzed by Lipases. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11983-11995.	4.1	6
49	Biologically Active Metabolites Produced by the Basidiomycete <i>Quambalaria cyanescens</i> . <i>PLoS ONE</i> , 2015, 10, e0118913.	2.5	20
50	<i>Allium</i> Discoloration: Color Compounds Formed during Pinking of Onion and Leek. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10192-10199.	5.2	11
51	Cytotoxic Lipopeptide Muscotoxin A, Isolated from Soil Cyanobacterium <i>Desmonostoc muscorum</i> , Permeabilizes Phospholipid Membranes by Reducing Their Fluidity. <i>Chemical Research in Toxicology</i> , 2015, 28, 216-224.	3.3	16
52	Pharmacokinetics of pure silybin diastereoisomers and identification of their metabolites in rat plasma. <i>Journal of Functional Foods</i> , 2015, 14, 570-580.	3.4	25
53	A highly diverse spectrum of naphthoquinone derivatives produced by the endophytic fungus <i>Biatrispora</i> sp. CCF 4378. <i>Folia Microbiologica</i> , 2015, 60, 259-267.	2.3	18
54	Hydnocarpin-Type Flavonolignans: Semisynthesis and Inhibitory Effects on <i>Staphylococcus aureus</i> Biofilm Formation. <i>Journal of Natural Products</i> , 2015, 78, 2095-2103.	3.0	16

#	ARTICLE	IF	CITATIONS
55	Strategy for NMR metabolomic analysis of urine in mouse models of obesity from sample collection to interpretation of acquired data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 225-235.	2.8	17
56	Multimarker Screening of Oxidative Stress in Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-14.	4.0	77
57	Chemo-Enzymatic Synthesis of Silybin and 2,3-Dehydrosilybin Dimers. <i>Molecules</i> , 2014, 19, 4115-4134.	3.8	21
58	Degradation of biologically active substances by vapor-phase hydrogen peroxide. <i>Research on Chemical Intermediates</i> , 2014, 40, 619-626.	2.7	1
59	Biosynthesis of Colabomycin E, a New Manumycin Family Metabolite, Involves an Unusual Chain Length Factor. <i>ChemBioChem</i> , 2014, 15, 1334-1345.	2.6	28
60	Occupational asthma follow-up which markers are elevated in exhaled breath condensate and plasma?. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2014, 27, 206-15.	1.3	14
61	Enzymatic oxidative dimerization of silymarin flavonolignans. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 109, 24-30.	1.8	26
62	The role of the aromatic ligand in the asymmetric transfer hydrogenation of the CN bond on Noyori's chiral Ru catalysts. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1346-1351.	1.8	10
63	Preparation of silybin phase II metabolites: <i>Streptomyces</i> catalyzed glucuronidation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 167-173.	1.8	7
64	<i>cis</i> to <i>trans</i> Isomerization of silybins A and B. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1047-1063.	2.2	15
65	Experimental and Theoretical Perspectives of the Noyori-Ikariya Asymmetric Transfer Hydrogenation of Imines. <i>Molecules</i> , 2014, 19, 6987-7007.	3.8	21
66	Two optimized synthetic pathways toward a chiral precursor of Mivacurium chloride and other skeletal muscle relaxants. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 50-55.	1.8	12
67	CYCLONE A Utility for <i>De Novo</i> Sequencing of Microbial Cyclic Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1177-1184.	2.8	17
68	Molecular Structure Effects in the Asymmetric Transfer Hydrogenation of Functionalized Dihydroisoquinolines on (S,S)-[RuCl(<i>p</i> -cymene)TsDPEN]. <i>Catalysis Letters</i> , 2013, 143, 555-562.	2.6	11
69	Enzymatic preparation of silybin phase II metabolites: sulfation using aryl sulfotransferase from rat liver. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10391-10398.	3.6	16
70	Novel Aeruginosin 865 from <i>Nostoc</i> sp. as a Potent Anti-inflammatory Agent. <i>ChemBioChem</i> , 2013, 14, 2329-2337.	2.6	30
71	Base-catalyzed oxidation of silybin and isosilybin into 2,3-dehydro derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 315-317.	1.4	45
72	Preparation of silybin and isosilybin sulfates by sulfotransferase from <i>Desulfitobacterium hafniense</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 89, 24-27.	1.8	21

#	ARTICLE	IF	CITATIONS
73	Asymmetric transfer hydrogenation of imines catalyzed by a Noyori-type Ru(II) complex—a parametric study. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 233-239.	1.8	22
74	A Novel Semisynthetic Flavonoid 7-O-Galloyltaxifolin Upregulates Heme Oxygenase-1 in RAW264.7 Cells via MAPK/Nrf2 Pathway. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 856-866.	6.4	45
75	Asymmetric transfer hydrogenation of 1-phenyl dihydroisoquinolines using Ru(II) diamine catalysts. <i>Catalysis Communications</i> , 2013, 36, 67-70.	3.3	22
76	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(ii) half-sandwich complex. <i>Dalton Transactions</i> , 2013, 42, 5174.	3.3	27
77	Immunomagnetic molecular probe with UHPLC-MS/MS: A promising way for reliable bronchial asthma diagnostics based on quantification of cysteinyl leukotrienes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 81-82, 108-117.	2.8	8
78	Practical Aspects and Mechanism of Asymmetric Hydrogenation with Chiral Half-Sandwich Complexes. <i>Molecules</i> , 2013, 18, 6804-6828.	3.8	49
79	The Cyanobacterial Cyclic Lipopeptides Puwainaphycins F/G Are Inducing Necrosis via Cell Membrane Permeabilization and Subsequent Unusual Actin Relocalization. <i>Chemical Research in Toxicology</i> , 2012, 25, 1203-1211.	3.3	30
80	Asymmetric Transfer Hydrogenation of Acetophenone N-Benzylimine Using [Ru]Cl((S,S)-TsDPEN)(<i>l</i> -6- <i>p</i> -cymene): A DFT Study. <i>Organometallics</i> , 2012, 31, 6496-6499.	2.3	19
81	Leukotrienes B ₄ , C ₄ , D ₄ and E ₄ in the Exhaled Breath Condensate (EBC), Blood and Urine in Patients with Pneumoconiosis. <i>Industrial Health</i> , 2012, 50, 299-306.	1.0	18
82	Facile synthesis of nitrophenyl 2-acetamido-2-deoxy- β -D-mannopyranosides from ManNAc-oxazoline. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 428-432.	2.2	4
83	New polyene macrolide family produced by submerged culture of <i>Streptomyces durmitorensis</i> . <i>Journal of Antibiotics</i> , 2011, 64, 717-722.	2.0	17
84	Synthesis and Antiangiogenic Activity of New Silybin Galloyl Esters. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7397-7407.	6.4	30
85	Asymmetric Transfer Hydrogenation of Imines and Ketones Using Chiral Ru]Cl(<i>l</i> -6- <i>p</i> -cymene)[(S,S)-N-TsDPEN] as a Catalyst: A Computational Study. <i>Organometallics</i> , 2011, 30, 4822-4829.	2.3	46
86	Pyrazolo[4,3- <i>d</i>]pyrimidine Bioisostere of Roscovitine: Evaluation of a Novel Selective Inhibitor of Cyclin-Dependent Kinases with Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2980-2993.	6.4	72
87	Opportunities Offered by Chiral <i>l</i> -6-Arene/N-Arylsulfonyl-diamine-Ru] Catalysts in the Asymmetric Transfer Hydrogenation of Ketones and Imines. <i>Molecules</i> , 2011, 16, 5460-5495.	3.8	63
88	Oxidative Stress Markers in Exhaled Breath Condensate in Lung Fibroses Are Not Significantly Affected by Systemic Diseases. <i>Industrial Health</i> , 2011, 49, 746-754.	1.0	21
89	Regioselective alcoholysis of silybin A and B acetates with lipases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 71, 119-123.	1.8	6
90	Determination of cysteinyl leukotrienes in exhaled breath condensate: Method combining immunoseparation with LC-ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2220-2228.	2.3	18

#	ARTICLE	IF	CITATIONS
91	Charged Hexosaminides as New Substrates for N-Acetylhexosaminidase-Catalyzed Synthesis of Immunomodulatory Disaccharides. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2409-2420.	4.3	33
92	Enzymatic synthesis of dimeric glycomimetic ligands of NK cell activation receptors. <i>Carbohydrate Research</i> , 2011, 346, 1599-1609.	2.3	26
93	Monitoring of dopamine and its metabolites in brain microdialysates: Method combining freeze-drying with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 3382-3391.	3.7	142
94	The influence of operating conditions on the efficiency of vapor phase hydrogen peroxide in the degradation of 4-(dimethylamino)benzaldehyde. <i>Chemosphere</i> , 2010, 81, 617-625.	8.2	9
95	The study of vapour phase hydrogen peroxide decontamination process as a potential method for degradation of organic pollutants. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1284-1290.	3.2	3
96	LC-ESI-MS/MS method for oxidative stress multimarker screening in the exhaled breath condensate of asbestosis/silicosis patients. <i>Journal of Breath Research</i> , 2010, 4, 017104.	3.0	45
97	Characterization of Pseudocyclins A ^E , a Suite of Cyclic Peptides Produced by <i>Pseudallescheria boydii</i> . <i>Journal of Natural Products</i> , 2010, 73, 1027-1032.	3.0	29
98	Highly efficient preparation of R-1-methyl-tetrahydroisoquinoline using chiral Ru(II)-catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 97, 335-340.	0.6	6
99	Hydroxylated anthraquinones produced by <i>Geosmithia</i> species. <i>Folia Microbiologica</i> , 2009, 54, 179-187.	2.3	23
100	Rapid and easy method for monitoring oxidative stress markers in body fluids of patients with asbestos or silica-induced lung diseases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2477-2486.	2.3	68
101	Cyclosporins from <i>Mycelium steriliae</i> MS 2929. <i>Journal of Natural Products</i> , 2009, 72, 159-163.	3.0	4
102	Determination of 8-iso-prostaglandin F _{2α} in exhaled breath condensate using combination of immunoseparation and LC-ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 867, 8-14.	2.3	43
103	Molecular shape selectivity of hydrotalcite in mixed aldol condensations of aldehydes and ketones. <i>Journal of Molecular Catalysis A</i> , 2008, 285, 150-154.	4.8	12
104	N-Acetylhexosamine triad in one molecule: Chemoenzymatic introduction of 2-acetamido-2-deoxy-β-D-galactopyranosyluronic acid residue into a complex oligosaccharide. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 50, 69-73.	1.8	25
105	Biotransformation of nitriles to amides using soluble and immobilized nitrile hydratase from <i>Rhodococcus erythropolis</i> A4. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 50, 107-113.	1.8	38
106	Leukotrienes and 8-isoprostane in exhaled breath condensate in bronchoprovocation tests with occupational allergens. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 78, 281-292.	2.2	20
107	Increased 8-isoprostane, a Marker of Oxidative Stress in Exhaled Breath Condensate in Subjects with Asbestos Exposure. <i>Industrial Health</i> , 2008, 46, 484-489.	1.0	62
108	Coupling Immunomagnetic Separation on Magnetic Beads with Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Detection of Staphylococcal Enterotoxin B. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6945-6952.	3.1	52

#	ARTICLE	IF	CITATIONS
109	Glycosyl Azides – An Alternative Way to Disaccharides. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1514-1520.	4.3	30
110	Biotransformation of heterocyclic dinitriles by <i>Rhodococcus erythropolis</i> and fungal nitrilases. <i>Biotechnology Letters</i> , 2007, 29, 1119-1124.	2.2	25
111	The platinum-olefin binding energy in series of (PH ₃) ₂ Pt(olefin) complexes - a theoretical study. <i>Journal of Molecular Modeling</i> , 2007, 13, 1009-1016.	1.8	10
112	8-isoprostane and Leukotrienes in Exhaled Breath Condensate in Czech Subjects with Silicosis. <i>Industrial Health</i> , 2007, 45, 766-774.	1.0	41
113	Unique transglycosylation potential of extracellular β -D-galactosidase from <i>Talaromyces flavus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 128-134.	1.8	20
114	Accurate product ion mass spectra of galanthamine derivatives. <i>Journal of Mass Spectrometry</i> , 2006, 41, 544-548.	1.6	14
115	Combined Application of Galactose Oxidase and β -N-Acetylhexosaminidase in the Synthesis of Complex Immunoactive N-Acetyl-D-galactosaminides. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 997-1006.	4.3	32
116	Oligosaccharides produced by submerged cultures of <i>Claviceps africana</i> and <i>Claviceps sorghi</i> . <i>Folia Microbiologica</i> , 2005, 50, 198-204.	2.3	7
117	A chemoenzymatic route to mannosamine derivatives bearing different N-acyl groups. <i>Journal of Biotechnology</i> , 2005, 115, 157-166.	3.8	6
118	Notes on acetal formation in stereoselective hydrogenation of methyl-3-oxobutyrate on Ru-BINAP chiral complex. <i>Catalysis Communications</i> , 2005, 6, 61-65.	3.3	22
119	β -N-Acetylhexosaminidase-catalysed synthesis of non-reducing oligosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 233-239.	1.8	19
120	Regioselective enzymatic acylation of N-acetylhexosamines. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 219-225.	1.8	13
121	Nitrile biotransformation by <i>Aspergillus niger</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 227-232.	1.8	36
122	Enzymatic synthesis of N-acetylglucosaminobioses by reverse hydrolysis: characterisation and application of the library of fungal β -N-acetylhexosaminidases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 259-264.	1.8	11
123	Hydrolytic and transglycosylation reactions of N-acyl modified substrates catalysed by β -N-acetylhexosaminidases. <i>Tetrahedron</i> , 2004, 60, 693-701.	1.9	45
124	Extraribosomal cyclic tetradepsipeptides beauverolides: profiling and modeling the fragmentation pathways. <i>Journal of Mass Spectrometry</i> , 2004, 39, 949-960.	1.6	23
125	Fluorescent Labelled Thiourea-Bridged Glycodendrons. <i>ChemBioChem</i> , 2004, 5, 445-452.	2.6	27
126	In vitro antiplasmodial activities of semisynthetic N,N'- ϵ -spacer-linked oligomeric ergolines. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 817-824.	3.0	12

#	ARTICLE	IF	CITATIONS
127	The molecular structure effects in hydrogenation of cycloalkylsubstituted alkynes and alkenes on platinum and palladium catalysts. <i>Applied Catalysis A: General</i> , 2004, 259, 179-183.	4.3	6
128	Enzymatic synthesis of complex glycosaminotrioses and study of their molecular recognition by hevein domains. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1987-1994.	2.8	22
129	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 78, 59-64.	0.6	0
130	Application of selectively acylated glycosides for the β -galactosidase-catalyzed synthesis of disaccharides. <i>Folia Microbiologica</i> , 2003, 48, 329-337.	2.3	18
131	Enzymatic Discrimination of 2-Acetamido-2-deoxy-D-mannopyranose-Containing Disaccharides Using β -N-Acetylhexosaminidases. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 735-742.	4.3	20
132	2,6,8,9-Tetrasubstituted Purines as New CDK1 Inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2993-2996.	2.2	25
133	Molecular structure effects in hydrogenation of allyl and vinyl ethers on platinum and palladium supported catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 195, 235-243.	4.8	4
134	Synthesis of 4-Nitrophenyl 2-Acetamido-2-deoxy- β -D-mannopyranoside and 4-Nitrophenyl 2-Acetamido-2-deoxy- α -D-mannopyranoside. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 801-811.	1.0	15
135	Profiling of Cyclic Hexadepsipeptides Roseotoxins Synthesized In Vitro and In Vivo: A Combined Tandem Mass Spectrometry and Quantum Chemical Study. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 105-116.	1.0	36
136	Selective biotransformation of substituted alicyclic nitriles by <i>Rhodococcus equi</i> A4. <i>Canadian Journal of Chemistry</i> , 2002, 80, 724-727.	1.1	15
137	Role of amino acid N-methylation in cyclosporins on ring opening and fragmentation mechanisms during collisionally induced dissociation in an ion trap. <i>Journal of Mass Spectrometry</i> , 2002, 37, 292-298.	1.6	10
138	Synthesis and biological activity of olomoucine II. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3283-3286.	2.2	64
139	Sequencing of new beauverolides by high-performance liquid chromatography and mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1108-1115.	1.6	28
140	Enzymatic glycosylation using 6-O-acylated sugar donors and acceptors: β -N-acetylhexosaminidase-catalysed synthesis of 6-O,N,N ϵ ² -triacetylchitobiose and 6 α ϵ ² -O,N,N ϵ ² -triacetylchitobiose. <i>Carbohydrate Research</i> , 2001, 331, 143-148.	2.3	33
141	Enantioselective Hydrogenation of 1-Phenyl-1,2-propanedione. <i>Journal of Catalysis</i> , 2001, 204, 281-291.	6.2	67
142	Synthesis of chitoooligomer-based glycoconjugates and their binding to the rat natural killer cell activation receptor NKR-P1. <i>Glycoconjugate Journal</i> , 2001, 18, 817-826.	2.7	39
143	Enzymatic synthesis of three pNP- β -galactobiopyranosides: application of the library of fungal β -galactosidases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 219-224.	1.8	21
144	Biotransformation of 3-substituted methyl (R,S)-4-cyanobutanoates with nitrile- and amide-converting biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 14, 95-99.	1.8	11

#	ARTICLE	IF	CITATIONS
145	Semisynthetic Dimers of Antiparkinsonic Ergot Alkaloids. <i>Heterocycles</i> , 2001, 55, 1045.	0.7	5
146	Rearrangement and Loss of Bromine Radical and CO from Some Bromobenzyl Alcohols following Electron Ionisation. <i>European Journal of Mass Spectrometry</i> , 2000, 6, 135-141.	1.0	1
147	Competitive catalytic hydrogenation in systems of unsaturated hydrocarbons and nitrocompounds. <i>Journal of Molecular Catalysis A</i> , 2000, 159, 365-376.	4.8	10
148	Cinnamaldehyde hydrogenation using ruthenium-tin catalyst type. <i>Research on Chemical Intermediates</i> , 2000, 26, 347-356.	2.7	2
149	The synthetic fragrant compounds based on 2-tert-butylcyclohexanol. <i>Research on Chemical Intermediates</i> , 1998, 24, 643-652.	2.7	0
150	Stereoselective transformation of amines to alcohols enriched with the enantiomer formed by respectively inversion and retention of configuration. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 2193-2198.	1.8	15