Lenka Weignerova

List of Publications by Year
in descending order

35	677	516710 16	552781 26
papers	citations	h-index	g-index

39	39	39	662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparatory production of quercetin-3-Î²-d-glucopyranoside using alkali-tolerant thermostable Î±-l-rhamnosidase from Aspergillus terreus. Bioresource Technology, 2012, 115, 222-227.	9.6	71
2	Fungal Î²-N-acetylhexosaminidases with high Î²-N-acetylgalactosaminidase activity and their use for synthesis of Î²-GalNAc-containing oligosaccharides. Carbohydrate Research, 2003, 338, 1003-1008.	2.3	50
3	Recombinant Î±-l-rhamnosidase from Aspergillus terreus in selective trimming of rutin. Process Biochemistry, 2012, 47, 828-835.	3.7	50
4	Hydrolytic and transglycosylation reactions of N-acyl modified substrates catalysed by Î²-N-acetylhexosaminidases. Tetrahedron, 2004, 60, 693-701.	1.9	45
5	Ionic liquids as cosolvents for glycosylation by sucrose phosphorylase: balancing acceptor solubility and enzyme stability. Green Chemistry, 2013, 15, 1949.	9.0	39
6	Î±â€<scp>L</scp>â€Rhamnosylâ€Î²â€<scp>D</scp>â€glucosidase (Rutinosidase) from Aspergillus niger: Characterization and Synthetic Potential of a Novel Diglycosidase. Advanced Synthesis and Catalysis, 2015, 357, 107-117.	4.3	39
7	Î±-Galactosidases and their applications in biotransformations. Biocatalysis and Biotransformation, 2009, 27, 79-89.	2.0	33
8	Chemoenzymatic synthesis of Î±-l-rhamnosides using recombinant Î±-l-rhamnosidase from Aspergillus terreus. Bioresource Technology, 2013, 147, 640-644.	9.6	31
9	Enzymatic synthesis of dimeric glycomimetic ligands of NK cell activation receptors. Carbohydrate Research, 2011, 346, 1599-1609.	2.3	26
10	Enzymatic synthesis of iso-globotriose from partially protected lactose. Tetrahedron Letters, 1999, 40, 9297-9299.	1.4	25
11	Large Propeptides of Fungal Î²-N-Acetylhexosaminidases Are Novel Enzyme Regulators That Must Be Intracellularly Processed to Control Activity, Dimerization, and Secretion into the Extracellular Environmentâ€. Biochemistry, 2007, 46, 2719-2734.	2.5	23
12	Induction of extracellular glycosidases in filamentous fungi and their potential use in chemotaxonomy.. Czech Mycology, 1999, 51, 71-87.	0.5	22
13	Enzymatic synthesis of three pNP-Î±-galactobiopyranosides: application of the library of fungal Î±-galactosidases. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 219-224.	1.8	21
14	Upscale of recombinant Î±-L-rhamnosidase production by Pichia pastoris MutS strain. Frontiers in Microbiology, 2015, 6, 1140.	3.5	21
15	Enzymatic Synthesis of P-Nitrophenyl Î²-Chitobioside. Journal of Carbohydrate Chemistry, 1999, 18, 975-984.	1.1	19
16	Î²-N-Acetylhexosaminidase-catalysed synthesis of non-reducing oligosaccharides. Journal of Molecular Catalysis B: Enzymatic, 2004, 29, 233-239.	1.8	19
17	Recombinant Î±-L-rhamnosidase ofAspergillus terreusimmobilization in polyvinylalcohol hydrogel and its application in rutin derhamnosylation. Biocatalysis and Biotransformation, 2013, 31, 329-334.	2.0	15
18	Carbohydrate synthesis and biosynthesis technologies for cracking of the glycan code: Recent advances. Biotechnology Advances, 2013, 31, 17-37.	11.7	14

#	Article	IF	Citations
19	Pyridoxine as a Substrate for Screening Synthetic Potential of Glycosidases. Collection of Czechoslovak Chemical Communications, 1999, 64, 1325-1334.	1.0	13
20	Exploitation of a library of ?-galactosidases for the synthesis of building blocks for glycopolymers. Biotechnology and Bioengineering, 2002, 77, 105-110.	3.3	12
21	Enzymatic synthesis of N-acetylglucosaminobioses by reverse hydrolysis: characterisation and application of the library of fungal Î²-N-acetylhexosaminidases. Journal of Molecular Catalysis B: Enzymatic, 2004, 29, 259-264.	1.8	11
22	Clustered ergot alkaloids modulate cell-mediated cytotoxicity. Bioorganic and Medicinal Chemistry, 2002, 10, 415-424.	3.0	10
23	Production of Aspergillus niger Î²-mannosidase in Pichia pastoris. Protein Expression and Purification, 2012, 85, 159-164.	1.3	10
24	The Â-galactosidase type A gene aglA from Aspergillus niger encodes a fully functional Â-N-acetylgalactosaminidase. Glycobiology, 2010, 20, 1410-1419.	2.5	9
25	Enzymatic Processing of Bioactive Glycosides from Natural Sources. Topics in Current Chemistry, 2010, , 121-146.	4.0	9
26	Re-Evaluation of Binding Properties of Recombinant Lymphocyte Receptors NKR-P1A and CD69 to Chemically Synthesized Glycans and Peptides. International Journal of Molecular Sciences, 2014, 15, 1271-1283.	4.1	8
27	Condensation reactions catalyzed by Î±-N-acetylgalactosaminidase fromAspergillus nigeryielding Î±-N-acetylgalactosaminides. Biocatalysis and Biotransformation, 2010, 28, 150-155.	2.0	5
28	Facile production of Aspergillus niger Î±-N-acetylgalactosaminidase in yeast. Protein Expression and Purification, 2012, 81, 106-114.	1.3	5
29	Semisynthetic Dimers of Antiparkinsonic Ergot Alkaloids. Heterocycles, 2001, 55, 1045.	0.7	5
30	Enzymatic Glycosylation of Lincomycin. Bioscience, Biotechnology and Biochemistry, 2001, 65, 1897-1899.	1.3	4
31	Facile synthesis of nitrophenyl 2-acetamido-2-deoxy-Î±-D-mannopyranosides from ManNAc-oxazoline. Beilstein Journal of Organic Chemistry, 2012, 8, 428-432.	2.2	4
32	?-glycosidases: Tools for chiral discrimination. Chirality, 1999, 11, 451-458.	2.6	3
33	Enzymatic processing of bioactive glycosides from natural sources. Topics in Current Chemistry, 2010, 295, 121-46.	4.0	3
34	Protein engineering study of Î²-mannosidase to set up a potential chemically efficient biocatalyst. Glycobiology, 2014, 24, 1301-1311.	2.5	1
35	Crystallization and preliminary X-ray crystallographic analysis of recombinant Î²-mannosidase fromAspergillus niger. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 288-291.	0.7	0