

Harshal A Chokhawala

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,442
citations

430442

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676716

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docs citations

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times ranked

1788
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutagenesis of <i>Trichoderma reesei</i> endoglucanase I: impact of expression host on activity and stability at elevated temperatures. <i>BMC Biotechnology</i> , 2015, 15, 11.	1.7	56
2	The importance of pyroglutamate in cellulase Cel7A. <i>Biotechnology and Bioengineering</i> , 2014, 111, 842-847.	1.7	29
3	An optics-based variable-temperature assay system for characterizing thermodynamics of biomolecular reactions on solid support. <i>Review of Scientific Instruments</i> , 2013, 84, 114102.	0.6	6
4	Cross-comparison of Protein Recognition of Sialic Acid Diversity on Two Novel Sialoglycan Microarrays. <i>Journal of Biological Chemistry</i> , 2012, 287, 22593-22608.	1.6	116
5	Human Xeno-Autoantibodies against a Non-Human Sialic Acid Serve as Novel Serum Biomarkers and Immunotherapeutics in Cancer. <i>Cancer Research</i> , 2011, 71, 3352-3363.	0.4	136
6	Fluorescent labeling agents change binding profiles of glycan-binding proteins. <i>Molecular BioSystems</i> , 2011, 7, 3343.	2.9	49
7	Identification and characterization of a multidomain hyperthermophilic cellulase from an archaeal enrichment. <i>Nature Communications</i> , 2011, 2, 375.	5.8	163
8	Titelbild: High-Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery (<i>Angew. Chem.</i> 47/2011). <i>Angewandte Chemie</i> , 2011, 123, 11205-11205.	1.6	0
9	Highâ€¦Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11215-11218.	7.2	23
10	Cover Picture: Highâ€¦Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery (<i>Angew. Chem. Int. Ed.</i> 47/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11013-11013.	7.2	0
11	A Sialylated Glycan Microarray Reveals Novel Interactions of Modified Sialic Acids with Proteins and Viruses. <i>Journal of Biological Chemistry</i> , 2011, 286, 31610-31622.	1.6	125
12	Binding modules alter the activity of chimeric cellulases: Effects of biomass pretreatment and enzyme source. <i>Biotechnology and Bioengineering</i> , 2010, 107, 601-611.	1.7	42
13	Sialidase substrate specificity studies using chemoenzymatically synthesized sialosides containing C5-modified sialic acids. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 5137.	1.5	55
14	N-Terminal 112 amino acid residues are not required for the sialyltransferase activity of <i>Photobacterium damsela</i> Î±2,6-sialyltransferase. <i>Biotechnology Letters</i> , 2008, 30, 671-676.	1.1	39
15	Combinatorial Chemoenzymatic Synthesis and High-Throughput Screening of Sialosides. <i>ACS Chemical Biology</i> , 2008, 3, 567-576.	1.6	79
16	Multifunctionality of <i>Campylobacter jejuni</i> sialyltransferase CstII: Characterization of GD3/GT3 oligosaccharide synthase, GD3 oligosaccharide sialidase, and trans-sialidase activities. <i>Glycobiology</i> , 2008, 18, 686-697.	1.3	80
17	Chemoenzymatic Synthesis of Sialosides and Their Applications. <i>ACS Symposium Series</i> , 2008, , 96-122.	0.5	1
18	The Hd0053 gene of <i>Haemophilus ducreyi</i> encodes an Î±2,3-sialyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 555-560.	1.0	16

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19	Efficient chemoenzymatic synthesis of biotinylated human serum albumin sialoglycoside conjugates containing O-acetylated sialic acids. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2458-2463.	1.5	34
20	Enzymatic Synthesis of Fluorinated Mechanistic Probes for Sialidases and Sialyltransferases. <i>Journal of the American Chemical Society</i> , 2007, 129, 10630-10631.	6.6	75
21	Crystal Structures of <i>Pasteurella multocida</i> Sialyltransferase Complexes with Acceptor and Donor Analogues Reveal Substrate Binding Sites and Catalytic Mechanism. <i>Biochemistry</i> , 2007, 46, 6288-6298.	1.2	97
22	High-Throughput Substrate Specificity Studies of Sialidases by Using Chemoenzymatically Synthesized Sialoside Libraries. <i>ChemBioChem</i> , 2007, 8, 194-201.	1.3	79
23	One-pot three-enzyme chemoenzymatic approach to the synthesis of sialosides containing natural and non-natural functionalities. <i>Nature Protocols</i> , 2006, 1, 2485-2492.	5.5	138