

Saddam Muthana

List of Publications by Year in descending order

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13
papers

823
citations

687363

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1125743

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docs citations

14
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966
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.9	136
2	Recent progress in chemical and chemoenzymatic synthesis of carbohydrates. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 573-581.	6.1	124
3	Cross-comparison of Protein Recognition of Sialic Acid Diversity on Two Novel Sialoglycan Microarrays. <i>Journal of Biological Chemistry</i> , 2012, 287, 22593-22608.	3.4	116
4	<i>Pasteurella multocida</i> sialic acid aldolase: a promising biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 963-70.	3.6	108
5	Chemoenzymatic Synthesis of a New Class of Macrocyclic Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2009, 74, 2928-2936.	3.2	66
6	Sialidase substrate specificity studies using chemoenzymatically synthesized sialosides containing C5-modified sialic acids. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 5137.	2.8	55
7	Efficient chemoenzymatic synthesis of sialyl Tn-antigens and derivatives. <i>Chemical Communications</i> , 2011, 47, 8691.	4.1	43
8	<i>Pasteurella multocida</i> CMP-sialic acid synthetase and mutants of <i>Neisseria meningitidis</i> CMP-sialic acid synthetase with improved substrate promiscuity. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2411-2423.	3.6	37
9	Chemical preparation of sialyl Lewis x using an enzymatically synthesized sialoside building block. <i>Carbohydrate Research</i> , 2008, 343, 2863-2869.	2.3	36
10	Chemoenzymatic Synthesis of Size-Defined Polysaccharides by Sialyltransferase-Catalyzed Block Transfer of Oligosaccharides. <i>Journal of the American Chemical Society</i> , 2007, 129, 11918-11919.	13.7	33
11	Chemoenzymatic synthesis of sialosides containing C7-modified sialic acids and their application in sialidase substrate specificity studies. <i>Carbohydrate Research</i> , 2014, 389, 100-111.	2.3	26
12	Chemoenzymatic Syntheses of Tumor-Associated Carbohydrate Antigen Globo-H and Stage-Specific Embryonic Antigen 4. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1717-1728.	4.3	25
13	Parallel chemoenzymatic synthesis of sialosides containing a C5-diversified sialic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5869-5871.	2.2	18