

Saddam Muthana

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | <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 |
| 4 | Efficient chemoenzymatic synthesis of sialyl Tn-antigens and derivatives. <i>Chemical Communications</i> , 2011, 47, 8691. | 4.1 | 43 |
| 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. | 0.9 | 136 |
| 6 | Recent progress in chemical and chemoenzymatic synthesis of carbohydrates. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 573-581. | 6.1 | 124 |
| 7 | 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 |
| 8 | Chemoenzymatic Synthesis of a New Class of Macrocyclic Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2009, 74, 2928-2936. | 3.2 | 66 |
| 9 | 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 |
| 10 | <i>Pasteurella multocida</i> sialic acid aldolase: a promising biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 963-70. | 3.6 | 108 |
| 11 | 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 |
| 12 | Chemical preparation of sialyl Lewis x using an enzymatically synthesized sialoside building block. <i>Carbohydrate Research</i> , 2008, 343, 2863-2869. | 2.3 | 36 |
| 13 | 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 |