

Martin A Fascione

List of Publications by Year in descending order

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34
papers

857
citations

516215

16
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476904

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49
all docs

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docs citations

49
times ranked

1236
citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing affinity and selectivity into galectin-targeting nanoparticles with fluorinated glycan ligands. <i>Chemical Science</i> , 2021, 12, 905-910.	3.7	21
2	Developments in Mannose-Based Treatments for Uropathogenic <i>Escherichia coli</i> -Induced Urinary Tract Infections. <i>ChemBioChem</i> , 2021, 22, 613-629.	1.3	15
3	Reconstitution and optimisation of the biosynthesis of bacterial sugar pseudaminic acid (Pse5Ac7Ac) enables preparative enzymatic synthesis of CMP-Pse5Ac7Ac. <i>Scientific Reports</i> , 2021, 11, 4756.	1.6	14
4	A Tale of Two Bioconjugations: pH Controlled Divergent Reactivity of Protein α -oxo-Aldehydes in Competing α -oxo-Mannich and Catalyst-Free Aldol Ligations. <i>ACS Chemical Biology</i> , 2021, 16, 2387-2400.	1.6	3
5	Mechanistic and structural studies into the biosynthesis of the bacterial sugar pseudaminic acid (Pse5Ac7Ac). <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 799-809.	1.5	13
6	Aldehyde-Mediated Protein-to-Surface Tethering via Controlled Diazonium Electrode Functionalization Using Protected Hydroxylamines. <i>Langmuir</i> , 2020, 36, 5654-5664.	1.6	11
7	Biocatalytic Transfer of Pseudaminic Acid (Pse5Ac7Ac) Using Promiscuous Sialyltransferases in a Chemoenzymatic Approach to Pse5Ac7Ac-Containing Glycosides. <i>ACS Catalysis</i> , 2020, 10, 9986-9993.	5.5	10
8	Rapid sodium periodate cleavage of an unnatural amino acid enables unmasking of a highly reactive α -oxo aldehyde for protein bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4000-4003.	1.5	8
9	Profiling Substrate Promiscuity of Wild-Type Sugar Kinases for Multi-fluorinated Monosaccharides. <i>Cell Chemical Biology</i> , 2020, 27, 1199-1206.e5.	2.5	15
10	Synthetic Approaches for Accessing Pseudaminic Acid (Pse) Bacterial Glycans. <i>ChemBioChem</i> , 2020, 21, 1397-1407.	1.3	10
11	Chemoenzymatic synthesis of 3-deoxy-3-fluoro-fucose and its enzymatic incorporation into glycoconjugates. <i>Chemical Communications</i> , 2020, 56, 6408-6411.	2.2	8
12	The characterisation of a galactokinase from <i>Streptomyces coelicolor</i> . <i>Carbohydrate Research</i> , 2019, 472, 132-137.	1.1	8
13	Using automated glycan assembly (AGA) for the practical synthesis of heparan sulfate oligosaccharide precursors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1817-1821.	1.5	15
14	Ionisation bias undermines the use of matrix-assisted laser desorption/ionisation for estimating peptide deamidation: Synthetic peptide studies demonstrate electrospray ionisation gives more reliable response ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1049-1057.	0.7	9
15	Chemical Bioconjugation of Proteins in an Undergraduate Lab: One-Pot Oxidation and Derivatization of the N-Terminus. <i>Journal of Chemical Education</i> , 2019, 96, 1245-1249.	1.1	2
16	Methodologies for Wiring Redox Proteins/Enzymes to Electrode Surfaces. <i>Chemistry - A European Journal</i> , 2018, 24, 12164-12182.	1.7	96
17	Palladium-unleashed proteins: gentle aldehyde decaging for site-selective protein modification. <i>Chemical Communications</i> , 2018, 54, 1501-1504.	2.2	12
18	Frontispiece: Methodologies for Wiring Redox Proteins/Enzymes to Electrode Surfaces. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0

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19	Site-selective C ^α -C modification of proteins at neutral pH using organocatalyst-mediated cross aldol ligations. <i>Chemical Science</i> , 2018, 9, 5585-5593.	3.7	33
20	Molecular Recognition-Mediated Transformation of Single-Chain Polymer Nanoparticles into Crosslinked Polymer Films. <i>Angewandte Chemie</i> , 2017, 129, 13093-13098.	1.6	3
21	Pyrolysine Amber Stop-Codon Suppression: Development and Applications. <i>ChemBioChem</i> , 2017, 18, 1973-1983.	1.3	38
22	Molecular Recognition-Mediated Transformation of Single-Chain Polymer Nanoparticles into Crosslinked Polymer Films. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12913-12918.	7.2	25
23	Site-selective incorporation and ligation of protein aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7622-7638.	1.5	80
24	Mechanistic Investigations into the Application of Sulfoxides in Carbohydrate Synthesis. <i>Chemistry - A European Journal</i> , 2016, 22, 3916-3928.	1.7	26
25	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4738-4742.	7.2	55
26	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions (<i>Angew. Chem.</i> 15/2016). <i>Angewandte Chemie</i> , 2016, 128, 4920-4920.	1.6	0
27	Templating carbohydrate-functionalised polymer-scaffolded dynamic combinatorial libraries with lectins. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2756-2761.	1.5	29
28	Innenteilbild: A Protein-Based Pentavalent Inhibitor of the Cholera Toxin B-Subunit (<i>Angew. Chem.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	0
29	A Protein-Based Pentavalent Inhibitor of the Cholera Toxin B-Subunit. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8323-8327.	7.2	57
30	Stereoselective glycosylations using oxathiane spiroketal glycosyl donors. <i>Carbohydrate Research</i> , 2012, 348, 6-13.	1.1	27
31	Do Glycosyl Sulfonium Ions Engage in Neighbouring-Group Participation? A Study of Oxathiane Glycosyl Donors and the Basis for their Stereoselectivity. <i>Chemistry - A European Journal</i> , 2012, 18, 321-333.	1.7	45
32	Mechanistic Studies on a Sulfoxide Transfer Reaction Mediated by Diphenyl Sulfoxide/Triflic Anhydride. <i>Chemistry - A European Journal</i> , 2012, 18, 2987-2997.	1.7	28
33	Benzynes arylation of oxathiane glycosyl donors. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 19.	1.3	23
34	Stereoselective glycosylation using oxathiane glycosyl donors. <i>Chemical Communications</i> , 2009, , 5841.	2.2	78