Spencer Williams

List of Publications by Year
in descending order

156 papers	5,477 citations	81743 39 h-index	110170 64 g-index
179 all docs	179 docs citations	179 times ranked	7407 citing authors

#	Article	IF	Citations
1	Human gut Bacteroidetes can utilize yeast mannan through a selfish mechanism. Nature, 2015, 517, 165-169.	13.7	427
2	Glycosyl fluorides in enzymatic reactions. Carbohydrate Research, 2000, 327, 27-46.	1.1	207
3	â€˜Clickâ€™ cycloaddition catalysts: copper(i) and copper(ii) tris(triazolylmethyl)amine complexes. Chemical Communications, 2008, , 2459.	2.2	180
4	Aspartate 313 in the Streptomyces plicatusHexosaminidase Plays a Critical Role in Substrate-assisted Catalysis by Orienting the 2-Acetamido Group and Stabilizing the Transition State. Journal of Biological Chemistry, 2002, 277, 40055-40065.	1.6	126
5	Mechanistic insights into a Ca2+-dependent family of Î±-mannosidases in a human gut symbiont. Nature Chemical Biology, 2010, 6, 125-132.	3.9	115
6	Dissecting conformational contributions to glycosidase catalysis and inhibition. Current Opinion in Structural Biology, 2014, 28, 1-13.	2.6	115
7	Sulfotransferases and Sulfatases in Mycobacteria. Chemistry and Biology, 2002, 9, 767-776.	6.2	109
8	MCL and Mincle: C-Type Lectin Receptors That Sense Damaged Self and Pathogen-Associated Molecular Patterns. Frontiers in Immunology, 2014, 5, 288.	2.2	109
9	5'-Adenosinephosphosulphate reductase (CysH) protects Mycobacterium tuberculosis against free radicals during chronic infection phase in mice. Molecular Microbiology, 2006, 59, 1744-1753.	1.2	102
10	Trehalose Is Required for Growth of Mycobacterium smegmatis. Journal of Biological Chemistry, 2004, 279, 28835-28843.	1.6	100
11	A semi-invariant VÎ±10+ T cell antigen receptor defines a population of natural killer T cells with distinct glycolipid antigenâ€“recognition properties. Nature Immunology, 2011, 12, 616-623.	7.0	97
12	Compartmentalization of Lipid Biosynthesis in Mycobacteria. Journal of Biological Chemistry, 2005, 280, 21645-21652.	1.6	92
13	Sulfotransferases, sulfatases and formylglycine-generating enzymes: a sulfation fascination. Current Opinion in Chemical Biology, 2008, 12, 573-581.	2.8	91
14	Conjugation of Transferrin to Azideâ€Modified CdSe/ZnS Coreâ€“Shell Quantum Dots using Cyclooctyne Click Chemistry. Angewandte Chemie - International Edition, 2012, 51, 10523-10527.	7.2	87
15	5â€²-Adenosinephosphosulfate Lies at a Metabolic Branch Point in Mycobacteria. Journal of Biological Chemistry, 2002, 277, 32606-32615.	1.6	83
16	Understanding the Cardioprotective Effects of Flavonols: Discovery of Relaxant Flavonols without Antioxidant Activity. Journal of Medicinal Chemistry, 2008, 51, 1874-1884.	2.9	83
17	Proteinâ€“carbohydrate interactions: learning lessons from nature. Trends in Biotechnology, 2001, 19, 356-362.	4.9	82
18	High-Resolution Crystal Structures of the Lectin-like Xylan Binding Domain from Streptomyces lividans Xylanase 10A with Bound Substrates Reveal a Novel Mode of Xylan Binding,. Biochemistry, 2002, 41, 4246-4254.	1.2	78

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19	Glycosynthases: Mutant Glycosidases for Glycoside Synthesis. Australian Journal of Chemistry, 2002, 55, 3.	0.5	74
20	Structural and mechanistic insight into N-glycan processing by endo-Î±-mannosidase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 781-786.	3.3	74
21	Active-site Peptide â€œFingerprintingâ€•of Glycosidases in Complex Mixtures by Mass Spectrometry. Journal of Biological Chemistry, 2005, 280, 35126-35135.	1.6	73
22	Detailed Structural Analysis of Glycosidase/Inhibitor Interactions:Â Complexes of Cex fromCellulomonas fimiwith Xylobiose-Derived Aza-Sugarsâ€,â€¡. Biochemistry, 2000, 39, 11553-11563.	1.2	68
23	Nanomolar versus Millimolar Inhibition by Xylobiose-Derived Azasugars:â€‰ Significant Differences between Two Structurally Distinct Xylanases. Journal of the American Chemical Society, 2000, 122, 2223-2235.	6.6	61
24	Discovery of sulfated metabolites in mycobacteria with a genetic and mass spectrometric approach. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 17037-17042.	3.3	61
25	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. Nature Chemical Biology, 2016, 12, 215-217.	3.9	60
26	The Reaction Coordinate of a Bacterial GH47 Î±â€Mannosidase: A Combined Quantum Mechanical and Structural Approach. Angewandte Chemie - International Edition, 2012, 51, 10997-11001.	7.2	57
27	A New, Simple, High-Affinity Glycosidase Inhibitor:â€‰ Analysis of Binding through X-ray Crystallography, Mutagenesis, and Kinetic Analysis. Journal of the American Chemical Society, 2000, 122, 4229-4230.	6.6	54
28	Sulfatase inhibitors: a patent review. Expert Opinion on Therapeutic Patents, 2013, 23, 79-98.	2.4	49
29	Corynomycolic acid-containing glycolipids signal through the pattern recognition receptor Mincle. Chemical Communications, 2015, 51, 5100-5103.	2.2	49
30	Acetylation of Trehalose Mycolates Is Required for Efficient MmpL-Mediated Membrane Transport in Corynebacterineae. ACS Chemical Biology, 2015, 10, 734-746.	1.6	48
31	Î±-glucosidase inhibitors as host-directed antiviral agents with potential for the treatment of COVID-19. Biochemical Society Transactions, 2020, 48, 1287-1295.	1.6	48
32	Synthesis and Testing of Mechanism-Based Protein-Profiling Probes for Retaining Endo-glycosidases. ChemBioChem, 2006, 7, 116-124.	1.3	47
33	Copper(i)-catalyzed cycloaddition of silver acetylides and azides: Incorporation of volatile acetylenes into the triazole core. Organic and Biomolecular Chemistry, 2011, 9, 6082.	1.5	47
34	Carbohydrate-active enzymes: sequences, shapes, contortions and cells. Biochemical Society Transactions, 2016, 44, 79-87.	1.6	47
35	Evaluation and optimization of antifibrotic activity of cinnamoyl anthranilates. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 7003-7006.	1.0	44
36	Halide-ion-templated Ag8Cu6 rhombic dodecahedrons: synthesis, structure and reactivity of [Ag8Cu6(Cî€,CtBu)12X]BF4 (X = Cl, Br). Dalton Transactions, 2013, 42, 4903.	1.6	43

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37	Transition-State Mimicry by Glycosidase Inhibitors:Â A Critical Kinetic Analysis. Journal of the American Chemical Society, 2007, 129, 4530-4531.	6.6	42
38	Mycobacterium tuberculosis Î²-gentiobiosyl diacylglycerides signal through the pattern recognition receptor Mincle: total synthesis and structure activity relationships. Chemical Communications, 2015, 51, 15027-15030.	2.2	41
39	Evidence for a Boat Conformation at the Transition State of GH76 Î±â€1,6â€Mannanasesâ€"Key Enzymes in Bacterial and Fungal Mannoprotein Metabolism. Angewandte Chemie - International Edition, 2015, 54, 5378-5382.	7.2	40
40	Nucleus incertus promotes cortical desynchronization and behavioral arousal. Brain Structure and Function, 2017, 222, 515-537.	1.2	40
41	Chemical approaches for the study of the mycobacterial glycolipids phosphatidylinositol mannosides, lipomannan and lipoarabinomannan. Natural Product Reports, 2010, 27, 919.	5.2	39
42	Combined Inhibitor Freeâ€Energy Landscape and Structural Analysis Reports on the Mannosidase Conformational Coordinate. Angewandte Chemie - International Edition, 2014, 53, 1087-1091.	7.2	39
43	Bacterial Î²-Glucosidase Reveals the Structural and Functional Basis of Genetic Defects in Human Glucocerebrosidase 2 (GBA2). ACS Chemical Biology, 2016, 11, 1891-1900.	1.6	39
44	A Î²-Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. ACS Central Science, 2016, 2, 896-903.	5.3	39
45	2,6-Disubstituted Benzoates As Neighboring Groups for Enhanced Diastereoselectivity in Î²-Galactosylation Reactions: Synthesis of Î²-1,3-Linked Oligogalactosides Related to Arabinogalactan Proteins. Journal of Organic Chemistry, 2009, 74, 9388-9398.	1.7	38
46	Copper-free palladium-catalyzed Sonogashira and Hiyama cross-couplings using aryl imidazol-1-ylsulfonates. Tetrahedron Letters, 2010, 51, 2971-2974.	0.7	37
47	A Purpose-Synthesised Anti-Fibrotic Agent Attenuates Experimental Kidney Diseases in the Rat. PLoS ONE, 2012, 7, e47160.	1.1	37
48	Use of Click Chemistry to Define the Substrate Specificity of Leishmania Î²-1,2-Mannosyltransferases. ChemBioChem, 2006, 7, 1384-1391.	1.3	36
49	Leishmania beta-1,2-mannan is assembled on a mannose-cyclic phosphate primer. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9458-9463.	3.3	36
50	FT011, a new antiâ€fibrotic drug, attenuates fibrosis and chronic heart failure in experimental diabetic cardiomyopathy. European Journal of Heart Failure, 2012, 14, 549-562.	2.9	36
51	Antigen Specificity of Type I NKT Cells Is Governed by TCR Î²-Chain Diversity. Journal of Immunology, 2015, 195, 4604-4614.	0.4	36
52	Total synthesis of a cyclopropane-fatty acid Î±-glucosyl diglyceride from Lactobacillus plantarum and identification of its ability to signal through Mincle. Chemical Communications, 2016, 52, 10902-10905.	2.2	36
53	Non-volatile components of the essential oil secretory cavities of Eucalyptus leaves: Discovery of two glucose monoterpene esters, cuniloside B and froggattiside A. Phytochemistry, 2009, 70, 1187-1194.	1.4	35
54	Rapid, iterative assembly of octyl Î±-1,6-oligomannosides and their 6-deoxy equivalents. Organic and Biomolecular Chemistry, 2005, 3, 1982.	1.5	34

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55	Copper and Silver Complexes of Tris(triazole)amine and Tris(benzimidazole)amine Ligands: Evidence that Catalysis of an Azideâ€“Alkyne Cycloaddition (â€œClickâ€) Reaction by a Silver Tris(triazole)amine Complex Arises from Copper Impurities. Inorganic Chemistry, 2014, 53, 6503-6511.	1.9	34
56	An Epoxide Intermediate in Glycosidase Catalysis. ACS Central Science, 2020, 6, 760-770.	5.3	34
57	Electronic Structure of the Sulfonyl and Phosphonyl Groups: A Computational and Crystallographic Study. Inorganic Chemistry, 2007, 46, 8871-8886.	1.9	32
58	Comprehensive two-dimensional gas chromatography, retention indices and time-of-flight mass spectra of flavonoids and chalcones. Journal of Chromatography A, 2010, 1217, 8317-8326.	1.8	32
59	Experimental and Theoretical Insights into the Mechanisms of Sulfate and Sulfamate Ester Hydrolysis and the End Products of Type I Sulfatase Inactivation by Aryl Sulfamates. Journal of Organic Chemistry, 2014, 79, 1995-2005.	1.7	32
60	Galactose-derived phosphonate analogues as potential inhibitors of phosphatidylinositol biosynthesis in mycobacteria. Organic and Biomolecular Chemistry, 2007, 5, 952.	1.5	31
61	Structural and Biochemical Insights into the Function and Evolution of Sulfoquinovosidases. ACS Central Science, 2018, 4, 1266-1273.	5.3	31
62	Neighboring Group Participation in Glycosylation Reactions by 2,6-Disubstituted 2-O-Benzoyl groups: A Mechanistic Investigation. Journal of Carbohydrate Chemistry, 2010, 29, 236-263.	0.4	30
63	Synthesis and Preliminary Pharmacological Evaluation of Aryl Dithiolethiones with Cyclooxygenase-2-Selective Inhibitory Activity and Hydrogen Sulfide-Releasing Properties. Australian Journal of Chemistry, 2010, 63, 946.	0.5	30
64	Direct Evidence for ArOï£¿S Bond Cleavage upon Inactivation of Pseudomonas aeruginosa Arylsulfatase by Aryl Sulfamates. ChemBioChem, 2008, 9, 613-623.	1.3	29
65	A Click Chemistry Approach to 5,5â€²-Disubstituted-3,3â€²-Bisisoxazoles from Dichloroglyoxime and Alkynes: Luminescent Organometallic Iridium and Rhenium Bisisoxazole Complexes. Journal of Organic Chemistry, 2013, 78, 7298-7304.	1.7	29
66	Chronic Brain Inflammation: The Neurochemical Basis for Drugs to Reduce Inflammation. Neurochemical Research, 2016, 41, 523-533.	1.6	28
67	Localization of Oleuropeyl Glucose Esters and a Flavanone to Secretory Cavities of Myrtaceae. PLoS ONE, 2012, 7, e40856.	1.1	28
68	The carbohydrate-binding promiscuity of Euonymus europaeus lectin is predicted to involve a single binding site. Glycobiology, 2015, 25, 101-114.	1.3	27
69	Atomic resolution analyses of the binding of xylobiose-derived deoxynojirimycin and isofagomine to xylanase Xyn10AElectronic supplementary information (ESI) available: kinetics and structural methods. See http://www.rsc.org/suppdata/cc/b4/b405152a/. Chemical Communications, 2004, , 1794.	2.2	26
70	Antioxidant activity contributes to flavonol cardioprotection during reperfusion of rat hearts. Free Radical Biology and Medicine, 2011, 51, 1437-1444.	1.3	25
71	C2-Oxyanion Neighboring Group Participation: Transition State Structure for the Hydroxide-Promoted Hydrolysis of 4-Nitrophenyl Î±-<scp>d</scp>-Mannopyranoside. Journal of the American Chemical Society, 2016, 138, 14012-14019.	6.6	25
72	Synthesis, Structural Elucidation, And Biochemical Analysis of Immunoactive Glucuronosyl Diacylglycerides of Mycobacteria and Corynebacteria. Journal of Organic Chemistry, 2013, 78, 2175-2190.	1.7	24

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73	Synthesis of the monoterpenoid esters cypellocarpin C and cuniloside B and evidence for their widespread occurrence in Eucalyptus. Carbohydrate Research, 2010, 345, 2079-2084.	1.1	23
74	Synthesis of glycosyl fluorides from thio-, seleno-, and telluroglycosides and glycosyl sulfoxides using aminodifluorosulfinium tetrafluoroborates. Carbohydrate Research, 2012, 357, 16-22.	1.1	23
75	Total syntheses of cis-cyclopropane fatty acids: dihydromalvalic acid, dihydrosterculic acid, lactobacillic acid, and 9,10-methylenehexadecanoic acid. Organic and Biomolecular Chemistry, 2014, 12, 9427-9438.	1.5	23
76	Cardioprotective 3â€²,4â€²-dihydroxyflavonol attenuation of JNK and p38MAPK signalling involves CaMKII inhibition. Biochemical Journal, 2013, 456, 149-161.	1.7	22
77	A Single Glycosidase Harnesses Different Pyranoside Ring Transition State Conformations for Hydrolysis of Mannosides and Glucosides. ACS Catalysis, 2015, 5, 6041-6051.	5.5	22
78	Sulfoglycolysis: catabolic pathways for metabolism of sulfoquinovose. Chemical Society Reviews, 2021, 50, 13628-13645.	18.7	22
79	Synthesis of Sulfated Glucosaminides for Profiling Substrate Specificities of Sulfatases and Fungal Î²â€‹<i>N</i>â€Acetylhexosaminidases. ChemBioChem, 2009, 10, 565-576.	1.3	21
80	The galanin-3 receptor antagonist, SNAP 37889, reduces operant responding for ethanol in alcohol-preferring rats. Regulatory Peptides, 2011, 166, 59-67.	1.9	21
81	'Click' Preparation of Carbohydrate 1-Benzotriazoles, 1,4-Disubstituted, and 1,4,5-Trisubstituted Triazoles and their Utility as Glycosyl Donors. Australian Journal of Chemistry, 2008, 61, 837.	0.5	20
82	Glycoprotein misfolding in the endoplasmic reticulum: identification of released oligosaccharides reveals a second ER-associated degradation pathway for Golgi-retrieved proteins. Cellular and Molecular Life Sciences, 2013, 70, 2799-2814.	2.4	20
83	Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase. ACS Catalysis, 2020, 10, 2826-2836.	5.5	20
84	Gas-Phase Structural and Optical Properties of Homo- and Heterobimetallic Rhombic Dodecahedral Nanoclusters [Ag_{14â€“<i>n</i>}Cu_{<i>n</i>}(Câ‰¡C<i>t</i>Bu)₁₂X]⁺ (X = Cl).Tj ETQq0 0 0 rgBT / 2017, 121, 10719-10727.	1.5	19
85	A convenient gram-scale synthesis of uridine diphospho(13C6)glucose. Carbohydrate Research, 2006, 341, 1743-1747.	1.1	18
86	A practical synthesis of long-chain iso-fatty acids (iso-C₁₂â€“C₁₉) and related natural products. Beilstein Journal of Organic Chemistry, 2013, 9, 1807-1812.	1.3	18
87	Structural and mechanistic insights into a Bacteroides vulgatus retaining N-acetyl-Î²-galactosaminidase that uses neighbouring group participation. Chemical Communications, 2016, 52, 11096-11099.	2.2	18
88	Immune sensing of microbial glycolipids and related conjugates by T cells and the pattern recognition receptors MCL and Mincle. Carbohydrate Research, 2016, 420, 32-45.	1.1	18
89	Discovery and characterization of a sulfoquinovose mutarotase using kinetic analysis at equilibrium by exchange spectroscopy. Biochemical Journal, 2018, 475, 1371-1383.	1.7	18
90	Comprehensive Synthesis of Substrates, Intermediates, and Products of the Sulfoglycolytic Embdenâ€“Meyerhoffâ€“Parnas Pathway. Journal of Organic Chemistry, 2019, 84, 2901-2910.	1.7	18

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91	Oxidative desulfurization pathway for complete catabolism of sulfoquinovose by bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
92	Vaccine efficacy of an attenuated but persistent Mycobacterium tuberculosis cysH mutant. Journal of Medical Microbiology, 2007, 56, 454-458.	0.7	17
93	Synthesis of glycoconjugate fragments of mycobacterial phosphatidylinositol mannosides and lipomannan. Beilstein Journal of Organic Chemistry, 2011, 7, 369-377.	1.3	17
94	Structural and Kinetic Dissection of the endoâ€Î±â€1,2â€Mannanase Activity of Bacterial GH99 Glycoside Hydrolases from Bacteroidesâ€...spp.. Chemistry - A European Journal, 2015, 21, 1966-1977.	1.7	17
95	Computational Design of Experiment Unveils the Conformational Reaction Coordinate of GH125 Î±-Mannosidases. Journal of the American Chemical Society, 2017, 139, 1085-1088.	6.6	17
96	Contribution of Shape and Charge to the Inhibition of a Family GH99 endo-Î±-1,2-Mannanase. Journal of the American Chemical Society, 2017, 139, 1089-1097.	6.6	17
97	Distinct CD1d docking strategies exhibited by diverse Type II NKT cell receptors. Nature Communications, 2019, 10, 5242.	5.8	17
98	Lipidomic Profiling of Adipose Tissue Reveals an Inflammatory Signature in Cancer-Related and Primary Lymphedema. PLoS ONE, 2016, 11, e0154650.	1.1	17
99	Ground state structures of sulfate monoesters and sulfamates reveal similar reaction coordinates for sulfuryl and sulfamyl transfer. Chemical Communications, 2006, , 314-316.	2.2	16
100	<scp>FT</scp>23, an orally active antifibrotic compound, attenuates structural and functional abnormalities in an experimental model of diabetic cardiomyopathy. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 650-656.	0.9	16
101	3â€²,4â€²-Bis-difluoromethoxycinnamoylanthranilate (FT061): An orally-active antifibrotic agent that reduces albuminuria in a rat model of progressive diabetic nephropathy. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6868-6873.	1.0	16
102	Molecular Basis of Sulfosugar Selectivity in Sulfoglycolysis. ACS Central Science, 2021, 7, 476-487.	5.3	16
103	Fixed-charge labels for simplified reaction analysis: 5-hydroxy-1,2,3-triazoles as byproducts of a copper(I)-catalyzed click reaction. Tetrahedron Letters, 2011, 52, 2750-2753.	0.7	15
104	Structure of human endo-Î±-1,2-mannosidase (MANEA), an antiviral host-glycosylation target. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29595-29601.	3.3	14
105	A Sulfoglycolytic Entner-Doudoroff Pathway in Rhizobium leguminosarum bv. trifolii SRDI565. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
106	Discovery of Waterâ€Soluble Antioxidant Flavonols without Vasorelaxant Activity. ChemMedChem, 2008, 3, 1572-1579.	1.6	13
107	Galanin-3 Receptor Antagonism by SNAP 37889 Reduces Motivation to Self-administer Alcohol and Attenuates Cue-Induced Reinstatement of Alcohol-Seeking in iP Rats. Journal of Pharmacological Sciences, 2014, 125, 211-216.	1.1	13
108	Total Synthesis of Mycobacterium tuberculosis Dideoxymycobactinâ€838 and Stereoisomers: Diverse CD1aâ€Restricted T Cells Display a Common Hierarchy of Lipopeptide Recognition. Chemistry - A European Journal, 2017, 23, 1694-1701.	1.7	13

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109	A building block approach to the synthesis of a family of S-linked Î±-1,6-oligomannosides. Carbohydrate Research, 2016, 429, 38-47.	1.1	12
110	Lipid structure influences the ability of glucose monocorynomycolate to signal through Mincle. Organic and Biomolecular Chemistry, 2016, 14, 9267-9277.	1.5	12
111	Conformational Analysis of the Mannosidase Inhibitor Kifunensine: A Quantum Mechanical and Structural Approach. ChemBioChem, 2017, 18, 1496-1501.	1.3	12
112	1,6-epithio- and 1,6-episeleno-Î²-d-glucopyranose: Useful adjuncts in the synthesis of 6-deoxy-Î²-d-glucopyranosides. Tetrahedron Letters, 1997, 38, 2741-2744.	0.7	11
113	Synthesis of a hypoxia-targeted conjugate of the cardioprotective agent 3â€²,4â€²-dihydroxyflavonol and evaluation of its ability to reduce ischaemia/reperfusion injury. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5102-5106.	1.0	11
114	A new anti-fibrotic drug attenuates cardiac remodeling and systolic dysfunction following experimental myocardial infarction. International Journal of Cardiology, 2013, 168, 1174-1185.	0.8	11
115	Structureâ€“reactivity correlations of the abnormal Beckmann reaction of dihydrolevoglucosenone oxime. Organic and Biomolecular Chemistry, 2017, 15, 10105-10115.	1.5	11
116	Î±-Glucuronosyl and Î±-glucosyl diacylglycerides, natural killer T cell-activating lipids from bacteria and fungi. Chemical Science, 2020, 11, 2161-2168.	3.7	11
117	Synthesis and evaluation of dithiolethiones as novel cyclooxygenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 459-461.	1.0	10
118	Effects of 3â€²,4â€²â€dihydroxyflavonol on vascular contractions of rat aortic rings. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 803-810.	0.9	10
119	2-Morpholinoisoflav-3-enes as flexible intermediates in the synthesis of phenoxodiol, isophenoxodiol, equol and analogues: Vasorelaxant properties, estrogen receptor binding and Rho/RhoA kinase pathway inhibition. Bioorganic and Medicinal Chemistry, 2012, 20, 2353-2361.	1.4	10
120	Quantitation in the regioselectivity of acylation of glycosyl diglycerides: total synthesis of a Streptococcus pneumoniae Î±-glucosyl diglyceride. Chemical Communications, 2017, 53, 1100-1103.	2.2	10
121	Synthetic Î²-1,2-Mannosyloxymannitol Glycolipid from the Fungus Malassezia pachydermatis Signals through Human Mincle. Journal of Organic Chemistry, 2019, 84, 6788-6797.	1.7	10
122	Aryl sulfamates are broad spectrum inactivators of sulfatases: Effects on sulfatases from various sources. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 477-480.	1.0	9
123	Spiroâ€epoxyglycosides as Activityâ€Based Probes for Glycoside Hydrolase Family 99 Endomannosidase/Endomannanase. Chemistry - A European Journal, 2018, 24, 9983-9992.	1.7	9
124	Distortion of mannoimidazole supports a B2,5 boat transition state for the family GH125 Î±-1,6-mannosidase from Clostridium perfringens. Organic and Biomolecular Chemistry, 2019, 17, 7863-7869.	1.5	9
125	Cholesteryl 6-O-acyl-Î±-glucosides from diverse Helicobacter spp. signal through the C-type lectin receptor Mincle. Organic and Biomolecular Chemistry, 2020, 18, 7907-7915.	1.5	9
126	Discovery of Inhibitors of Leishmania Î²-1,2-Mannosyltransferases Using a Click-Chemistry-Derived Guanosine Monophosphate Library. PLoS ONE, 2012, 7, e32642.	1.1	8

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127	Total synthesis and mass spectrometric analysis of a Mycobacterium tuberculosis phosphatidylglycerol featuring a two-step synthesis of (R)-tuberculostearic acid. Organic and Biomolecular Chemistry, 2017, 15, 7422-7429.	1.5	8
128	Bacteroides thetaiotaomicron generates diverse Î±-mannosidase activities through subtle evolution of a distal substrate-binding motif. Acta Crystallographica Section D: Structural Biology, 2018, 74, 394-404.	1.1	8
129	Benzofuran sulfonates and small self-lipid antigens activate type II NKT cells via CD1d. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
130	Novel microsomal triglyceride transfer protein inhibitors. Expert Opinion on Therapeutic Patents, 2003, 13, 479-488.	2.4	7
131	Water soluble flavonol prodrugs that protect against ischaemia-reperfusion injury in rat hindlimb and sheep heart. MedChemComm, 2011, 2, 321.	3.5	7
132	Exploration of Strategies for Mechanismâ€Based Inhibitor Design for Family GH99 endoâ€Î±â€1,2â€Mannanases. Chemistry - A European Journal, 2018, 24, 7464-7473.	1.7	7
133	Concise synthesis of sulfoquinovose and sulfoquinovosyl diacylglycerides, and development of a fluorogenic substrate for sulfoquinovosidases. Organic and Biomolecular Chemistry, 2020, 18, 675-686.	1.5	7
134	Anomeric Anhydro Sugars. , 2008, , 737-753.		6
135	Investigation of benzoyloximes as benzoylating reagents: benzoyl-Oxyma as a selective benzoylating reagent. Organic and Biomolecular Chemistry, 2016, 14, 97-104.	1.5	6
136	An atypical interaction explains the high-affinity of a non-hydrolyzable S-linked 1,6-Î±-mannanase inhibitor. Chemical Communications, 2017, 53, 9238-9241.	2.2	6
137	Candida albicans steryl 6-O-acyl-Î±-d-mannosides agonize signalling through Mincle. Chemical Communications, 2020, 56, 15060-15063.	2.2	6
138	Genome sequences of Arthrobacter spp. that use a modified sulfoglycolytic Embdenâ€“Meyerhofâ€“Parnas pathway. Archives of Microbiology, 2022, 204, 193.	1.0	6
139	A Synthesis of (Z)-Octadec-9-enedioic Acid. Australian Journal of Chemistry, 1995, 48, 1893.	0.5	5
140	Fleetamine (3-O-Î±-d-glucopyranosyl-swainsonine): the synthesis of a hypothetical inhibitor of endo-Î±-mannosidase. Tetrahedron: Asymmetry, 2012, 23, 992-997.	1.8	5
141	Design of potent Mincle signalling agonists based on an alkyl Î²-glucoside template. Chemical Communications, 2020, 56, 4292-4295.	2.2	5
142	3â€²,4â€²-Dihydroxyflavonol reduces vascular contraction through Ca2+ desensitization in permeabilized rat mesenteric artery. Naunyn-Schmiedeberg's Archives of Pharmacology, 2012, 385, 191-202.	1.4	4
143	Formation of sugar radical cations from collision-induced dissociation of non-covalent complexes with S-nitroso thiyl radical precursors. International Journal of Mass Spectrometry, 2015, 378, 95-106.	0.7	4
144	Discovery of Nâ€Aryloxypropylbenzylamines as Voltageâ€Gated Sodium Channel Na_V1.2â€Subtypeâ€Selective Inhibitors. ChemMedChem, 2019, 14, 570-582.	1.6	3

#	Article	IF	Citations
145	Diazepam is not a direct allosteric modulator of Î± 1 â€adrenoceptors, but modulates receptor signaling by inhibiting phosphodiesteraseâ€4. Pharmacology Research and Perspectives, 2019, 7, e00455.	1.1	3
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