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	Characterization of Mycobacterium tuberculosis Mycolic Acids by Multiple-Stage Linear Ion-Trap Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2022, 33, 149-159.	1.2	3
2	From the banal to the bizarre: unravelling immune recognition and response to microbial lipids. Chemical Communications, 2022, 58, 925-940.	2.2	3
3	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
4	Chemistry and biology of the aminosulfonate cysteinolic acid: discovery, distribution, synthesis and metabolism. Organic and Biomolecular Chemistry, 2022, 20, 3043-3055.	1.5	1
5	Genome sequences of Arthrobacter spp. that use a modified sulfoglycolytic Embdenâ€“Meyerhofâ€“Parnas pathway. Archives of Microbiology, 2022, 204, 193.	1.0	6
6	Synthesis of the Alkylsulfonate Metabolites Cysteinolic Acid, 3-Amino-2-hydroxypropanesulfonate, and 2,3-Dihydroxypropanesulfonate. Journal of Organic Chemistry, 2022, 87, 4333-4342.	1.7	2
7	Molecular Basis of Sulfosugar Selectivity in Sulfoglycolysis. ACS Central Science, 2021, 7, 476-487.	5.3	16
8	Unimolecular, Bimolecular, and Intramolecular Hydrolysis Mechanisms of 4-Nitrophenyl Î²-d-Glucopyranoside. Journal of Organic Chemistry, 2021, 86, 9530-9539.	1.7	3
9	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
10	Sulfoglycolysis: catabolic pathways for metabolism of sulfoquinovose. Chemical Society Reviews, 2021, 50, 13628-13645.	18.7	22
11	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
12	Candida albicans steryl 6-O-acyl-Î±-d-mannosides agonize signalling through Mincle. Chemical Communications, 2020, 56, 15060-15063.	2.2	6
13	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
14	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
15	Design of potent Mincle signalling agonists based on an alkyl Î²-glucoside template. Chemical Communications, 2020, 56, 4292-4295.	2.2	5
16	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
17	Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase. ACS Catalysis, 2020, 10, 2826-2836.	5.5	20
18	An Epoxide Intermediate in Glycosidase Catalysis. ACS Central Science, 2020, 6, 760-770.	5.3	34

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19	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
20	A Sulfoglycolytic Entner-Doudoroff Pathway in Rhizobium leguminosarum bv. trifolii SRDI565. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
21	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
22	Discovery of <i>N</i>â€Aryloxypropylbenzylamines as Voltageâ€Gated Sodium Channel Na_V1.2â€Subtypeâ€Selective Inhibitors. ChemMedChem, 2019, 14, 570-582.	1.6	3
23	Synthetic Î²-1,2-Mannosyloxymannitol Glycolipid from the Fungus <i>Malassezia pachydermatis</i> Signals through Human Mincle. Journal of Organic Chemistry, 2019, 84, 6788-6797.	1.7	10
24	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
25	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
26	Distinct CD1d docking strategies exhibited by diverse Type II NKT cell receptors. Nature Communications, 2019, 10, 5242.	5.8	17
27	Exploration of Strategies for Mechanismâ€Based Inhibitor Design for Family GH99 <i>endo</i>â€Î±â€1,2â€Mannanases. Chemistry - A European Journal, 2018, 24, 7464-7473.	1.7	7
28	Gram scale preparation of clozapine N-oxide (CNO), a synthetic small molecule actuator for muscarinic acetylcholine DREADDs. MethodsX, 2018, 5, 257-267.	0.7	2
29	<i>Bacteroides thetaiotaomicron</i> 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
30	Discovery and characterization of a sulfoquinovose mutarotase using kinetic analysis at equilibrium by exchange spectroscopy. Biochemical Journal, 2018, 475, 1371-1383.	1.7	18
31	Structural and Biochemical Insights into the Function and Evolution of Sulfoquinovosidases. ACS Central Science, 2018, 4, 1266-1273.	5.3	31
32	Spiroâ€epoxyglycosides as Activityâ€Based Probes for Glycoside Hydrolase Family 99 Endomannosidase/Endomannanase. Chemistry - A European Journal, 2018, 24, 9983-9992.	1.7	9
33	Nucleus incertus promotes cortical desynchronization and behavioral arousal. Brain Structure and Function, 2017, 222, 515-537.	1.2	40
34	Conformational Analysis of the Mannosidase Inhibitor Kifunensine: A Quantum Mechanical and Structural Approach. ChemBioChem, 2017, 18, 1496-1501.	1.3	12
35	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 ETQq1 1 0.784[illegible] 2017, 121, 10719-10727.	1.5	19
36	Total Synthesis of <i>Mycobacterium tuberculosis</i> 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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37	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
38	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
39	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
40	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
41	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
42	A carbon tetrachloride-free synthesis of N -phenyltrifluoroacetimidoyl chloride. Carbohydrate Research, 2017, 450, 10-11.	1.1	1
43	Structureâ€“reactivity correlations of the abnormal Beckmann reaction of dihydrolevoglucosenone oxime. Organic and Biomolecular Chemistry, 2017, 15, 10105-10115.	1.5	11
44	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
45	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
46	Carbohydrate-active enzymes: sequences, shapes, contortions and cells. Biochemical Society Transactions, 2016, 44, 79-87.	1.6	47
47	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
48	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
49	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
50	Lipid structure influences the ability of glucose monocorynomycolate to signal through Mincle. Organic and Biomolecular Chemistry, 2016, 14, 9267-9277.	1.5	12
51	A Î²-Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. ACS Central Science, 2016, 2, 896-903.	5.3	39
52	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
53	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. Nature Chemical Biology, 2016, 12, 215-217.	3.9	60
54	Investigation of benzoyloximes as benzoylating reagents: benzoyl-Oxyma as a selective benzoylating reagent. Organic and Biomolecular Chemistry, 2016, 14, 97-104.	1.5	6

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55	Chronic Brain Inflammation: The Neurochemical Basis for Drugs to Reduce Inflammation. Neurochemical Research, 2016, 41, 523-533.	1.6	28
56	Lipidomic Profiling of Adipose Tissue Reveals an Inflammatory Signature in Cancer-Related and Primary Lymphedema. PLoS ONE, 2016, 11, e0154650.	1.1	17
57	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
58	Antigen Specificity of Type I NKT Cells Is Governed by TCR Î²-Chain Diversity. Journal of Immunology, 2015, 195, 4604-4614.	0.4	36
59	Human gut Bacteroidetes can utilize yeast mannan through a selfish mechanism. Nature, 2015, 517, 165-169.	13.7	427
60	Acetylation of Trehalose Mycolates Is Required for Efficient MmpL-Mediated Membrane Transport in Corynebacterineae. ACS Chemical Biology, 2015, 10, 734-746.	1.6	48
61	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
62	The carbohydrate-binding promiscuity of Euonymus europaeus lectin is predicted to involve a single binding site. Glycobiology, 2015, 25, 101-114.	1.3	27
63	Corynomycolic acid-containing glycolipids signal through the pattern recognition receptor Mincle. Chemical Communications, 2015, 51, 5100-5103.	2.2	49
64	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
65	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
66	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
67	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
68	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
69	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
70	Dissecting conformational contributions to glycosidase catalysis and inhibition. Current Opinion in Structural Biology, 2014, 28, 1-13.	2.6	115
71	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
72	Letter to the Glycoforum Transforming Glycoscience: An Australian Perspective. Glycobiology, 2014, 24, 1-3.	1.3	1

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	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
81	Cardioprotective 3â€²,4â€²-dihydroxyflavonol attenuation of JNK and p38MAPK signalling involves CaMKII inhibition. Biochemical Journal, 2013, 456, 149-161.	1.7	22
82	Sulfatase inhibitors: a patent review. Expert Opinion on Therapeutic Patents, 2013, 23, 79-98.	2.4	49
83	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
84	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
85	Synthesis of glycosyl fluorides from thio-, seleno-, and telluroglycosides and glycosyl sulfoxides using aminodifluorosulfinium tetrafluoroborates. Carbohydrate Research, 2012, 357, 16-22.	1.1	23
86	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
87	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
88	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
89	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
90	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

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91	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
92	<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
93	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
94	Localization of Oleuropeyl Glucose Esters and a Flavanone to Secretory Cavities of Myrtaceae. PLoS ONE, 2012, 7, e40856.	1.1	28
95	A Purpose-Synthesised Anti-Fibrotic Agent Attenuates Experimental Kidney Diseases in the Rat. PLoS ONE, 2012, 7, e47160.	1.1	37
96	Water soluble flavonol prodrugs that protect against ischaemia-reperfusion injury in rat hindlimb and sheep heart. MedChemComm, 2011, 2, 321.	3.5	7
97	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
98	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
99	Synthesis of glycoconjugate fragments of mycobacterial phosphatidylinositol mannosides and lipomannan. Beilstein Journal of Organic Chemistry, 2011, 7, 369-377.	1.3	17
100	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
101	Antioxidant activity contributes to flavonol cardioprotection during reperfusion of rat hearts. Free Radical Biology and Medicine, 2011, 51, 1437-1444.	1.3	25
102	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
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	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
105	Copper-free palladium-catalyzed Sonogashira and Hiyama cross-couplings using aryl imidazol-1-ylsulfonates. Tetrahedron Letters, 2010, 51, 2971-2974.	0.7	37
106	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
107	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
108	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

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109	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
110	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
111	Chemical approaches for the study of the mycobacterial glycolipids phosphatidylinositol mannosides, lipomannan and lipoarabinomannan. Natural Product Reports, 2010, 27, 919.	5.2	39
112	Synthesis of Sulfated Glucosaminides for Profiling Substrate Specificities of Sulfatases and Fungal Î²â€Nâ€Acetylhexosaminidases. ChemBioChem, 2009, 10, 565-576.	1.3	21
113	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
114	Synthesis and evaluation of dithiolethiones as novel cyclooxygenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 459-461.	1.0	10
115	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
116	Evaluation and optimization of antifibrotic activity of cinnamoyl anthranilates. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 7003-7006.	1.0	44
117	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
118	Robert Vyent Stick: A Colourful Character. Australian Journal of Chemistry, 2009, 62, 503.	0.5	0
119	Direct Evidence for ArOï£¿S Bond Cleavage upon Inactivation of Pseudomonas aeruginosa Arylsulfatase by Aryl Sulfamates. ChemBioChem, 2008, 9, 613-623.	1.3	29
120	Discovery of Waterâ€Soluble Antioxidant Flavonols without Vasorelaxant Activity. ChemMedChem, 2008, 3, 1572-1579.	1.6	13
121	Sulfotransferases, sulfatases and formylglycine-generating enzymes: a sulfation fascination. Current Opinion in Chemical Biology, 2008, 12, 573-581.	2.8	91
122	â€˜Clickâ€™ cycloaddition catalysts: copper(i) and copper(ii) tris(triazolylmethyl)amine complexes. Chemical Communications, 2008, , 2459.	2.2	180
123	Anomeric Anhydro Sugars. , 2008, , 737-753.		6
124	Understanding the Cardioprotective Effects of Flavonols: Discovery of Relaxant Flavonols without Antioxidant Activity. Journal of Medicinal Chemistry, 2008, 51, 1874-1884.	2.9	83
125	'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
126	Vaccine efficacy of an attenuated but persistent Mycobacterium tuberculosis cysH mutant. Journal of Medical Microbiology, 2007, 56, 454-458.	0.7	17

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127	Galactose-derived phosphonate analogues as potential inhibitors of phosphatidylinositol biosynthesis in mycobacteria. Organic and Biomolecular Chemistry, 2007, 5, 952.	1.5	31
128	Transition-State Mimicry by Glycosidase Inhibitors:Â A Critical Kinetic Analysis. Journal of the American Chemical Society, 2007, 129, 4530-4531.	6.6	42
129	Electronic Structure of the Sulfonyl and Phosphonyl Groups: A Computational and Crystallographic Study. Inorganic Chemistry, 2007, 46, 8871-8886.	1.9	32
130	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
131	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
132	A convenient gram-scale synthesis of uridine diphospho(13C6)glucose. Carbohydrate Research, 2006, 341, 1743-1747.	1.1	18
133	Use of Click Chemistry to Define the Substrate Specificity of Leishmania Î²-1,2-Mannosyltransferases. ChemBioChem, 2006, 7, 1384-1391.	1.3	36
134	Synthesis and Testing of Mechanism-Based Protein-Profiling Probes for Retaining Endo-glycosidases. ChemBioChem, 2006, 7, 116-124.	1.3	47
135	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
136	Compartmentalization of Lipid Biosynthesis in Mycobacteria. Journal of Biological Chemistry, 2005, 280, 21645-21652.	1.6	92
137	Active-site Peptide â€œFingerprintingâ€•of Glycosidases in Complex Mixtures by Mass Spectrometry. Journal of Biological Chemistry, 2005, 280, 35126-35135.	1.6	73
138	Rapid, iterative assembly of octyl Î±-1,6-oligomannosides and their 6-deoxy equivalents. Organic and Biomolecular Chemistry, 2005, 3, 1982.	1.5	34
139	Trehalose Is Required for Growth of Mycobacterium smegmatis. Journal of Biological Chemistry, 2004, 279, 28835-28843.	1.6	100
140	A master of its sulfate. Nature Structural and Molecular Biology, 2004, 11, 686-687.	3.6	0
141	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
142	Novel microsomal triglyceride transfer protein inhibitors. Expert Opinion on Therapeutic Patents, 2003, 13, 479-488.	2.4	7
143	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
144	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

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