

# Spencer Williams

## List of Publications by Year in descending order

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156  
papers

5,477  
citations

81900

39  
h-index

110387

64  
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179  
all docs

179  
docs citations

179  
times ranked

7407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of <i>Mycobacterium tuberculosis</i> Mycolic Acids by Multiple-Stage Linear Ion-Trap Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 149-159.	2.8	3
2	From the banal to the bizarre: unravelling immune recognition and response to microbial lipids. <i>Chemical Communications</i> , 2022, 58, 925-940.	4.1	3
3	Oxidative desulfurization pathway for complete catabolism of sulfoquinovose by bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
4	Chemistry and biology of the aminosulfonate cysteinolic acid: discovery, distribution, synthesis and metabolism. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3043-3055.	2.8	1
5	Genome sequences of <i>Arthrobacter</i> spp. that use a modified sulfoglycolytic Embden-Meyerhof-Parnas pathway. <i>Archives of Microbiology</i> , 2022, 204, 193.	2.2	6
6	Synthesis of the Alkylsulfonate Metabolites Cysteinolic Acid, 3-Amino-2-hydroxypropanesulfonate, and 2,3-Dihydroxypropanesulfonate. <i>Journal of Organic Chemistry</i> , 2022, 87, 4333-4342.	3.2	2
7	Molecular Basis of Sulfosugar Selectivity in Sulfoglycolysis. <i>ACS Central Science</i> , 2021, 7, 476-487.	11.3	16
8	Unimolecular, Bimolecular, and Intramolecular Hydrolysis Mechanisms of 4-Nitrophenyl $\beta$ -D-Glucopyranoside. <i>Journal of Organic Chemistry</i> , 2021, 86, 9530-9539.	3.2	3
9	Benzofuran sulfonates and small self-lipid antigens activate type II NKT cells via CD1d. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
10	Sulfoglycolysis: catabolic pathways for metabolism of sulfoquinovose. <i>Chemical Society Reviews</i> , 2021, 50, 13628-13645.	38.1	22
11	Concise synthesis of sulfoquinovose and sulfoquinovosyl diacylglycerides, and development of a fluorogenic substrate for sulfoquinovosidases. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 675-686.	2.8	7
12	<i>Candida albicans</i> steryl 6-O-acyl- $\beta$ -D-mannosides agonize signalling through Mincle. <i>Chemical Communications</i> , 2020, 56, 15060-15063.	4.1	6
13	Cholesteryl 6-O-acyl- $\beta$ -D-glucosides from diverse <i>Helicobacter</i> spp. signal through the C-type lectin receptor Mincle. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7907-7915.	2.8	9
14	Structure of human endo- $\beta$ -1,2-mannosidase (MANEA), an antiviral host-glycosylation target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29595-29601.	7.1	14
15	Design of potent Mincle signalling agonists based on an alkyl $\beta$ -glucoside template. <i>Chemical Communications</i> , 2020, 56, 4292-4295.	4.1	5
16	$\beta$ -Glucuronosyl and $\beta$ -glucosyl diacylglycerides, natural killer T cell-activating lipids from bacteria and fungi. <i>Chemical Science</i> , 2020, 11, 2161-2168.	7.4	11
17	Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase. <i>ACS Catalysis</i> , 2020, 10, 2826-2836.	11.2	20
18	An Epoxide Intermediate in Glycosidase Catalysis. <i>ACS Central Science</i> , 2020, 6, 760-770.	11.3	34

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19	Î±-glucosidase inhibitors as host-directed antiviral agents with potential for the treatment of COVID-19. <i>Biochemical Society Transactions</i> , 2020, 48, 1287-1295.	3.4	48
20	A Sulfoglycolytic Entner-Doudoroff Pathway in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> SRF1565. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	14
21	Distortion of mannoimidazole supports a B <sub>2,5</sub> boat transition state for the family GH125 Î±-1,6-mannosidase from <i>Clostridium perfringens</i> . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7863-7869.	2.8	9
22	Discovery of <i>N</i> -aryloxypropylbenzylamines as Voltage-Gated Sodium Channel Na <sub>v</sub> 1.2 Selective Inhibitors. <i>ChemMedChem</i> , 2019, 14, 570-582.	3.2	3
23	Synthetic Î²-1,2-Mannosyloxymannitol Glycolipid from the Fungus <i>Malassezia pachydermatis</i> Signals through Human Mincle. <i>Journal of Organic Chemistry</i> , 2019, 84, 6788-6797.	3.2	10
24	Diazepam is not a direct allosteric modulator of Î± <sub>1</sub> adrenoceptors, but modulates receptor signaling by inhibiting phosphodiesterase-4. <i>Pharmacology Research and Perspectives</i> , 2019, 7, e00455.	2.4	3
25	Comprehensive Synthesis of Substrates, Intermediates, and Products of the Sulfoglycolytic Embden-Meyerhoff-Parnas Pathway. <i>Journal of Organic Chemistry</i> , 2019, 84, 2901-2910.	3.2	18
26	Distinct CD1d docking strategies exhibited by diverse Type II NKT cell receptors. <i>Nature Communications</i> , 2019, 10, 5242.	12.8	17
27	Exploration of Strategies for Mechanism-Based Inhibitor Design for Family GH99 Î±-1,2-Mannanases. <i>Chemistry - A European Journal</i> , 2018, 24, 7464-7473.	3.3	7
28	Gram scale preparation of clozapine N-oxide (CNO), a synthetic small molecule actuator for muscarinic acetylcholine DREADDs. <i>MethodsX</i> , 2018, 5, 257-267.	1.6	2
29	<i>Bacteroides thetaiotaomicron</i> generates diverse Î±-mannosidase activities through subtle evolution of a distal substrate-binding motif. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 394-404.	2.3	8
30	Discovery and characterization of a sulfoquinovose mutarotase using kinetic analysis at equilibrium by exchange spectroscopy. <i>Biochemical Journal</i> , 2018, 475, 1371-1383.	3.7	18
31	Structural and Biochemical Insights into the Function and Evolution of Sulfoquinovosidases. <i>ACS Central Science</i> , 2018, 4, 1266-1273.	11.3	31
32	Spiroepoxyglycosides as Activity-Based Probes for Glycoside Hydrolase Family 99 Endomannosidase/Endomannanase. <i>Chemistry - A European Journal</i> , 2018, 24, 9983-9992.	3.3	9
33	Nucleus incertus promotes cortical desynchronization and behavioral arousal. <i>Brain Structure and Function</i> , 2017, 222, 515-537.	2.3	40
34	Conformational Analysis of the Mannosidase Inhibitor Kifunensine: A Quantum Mechanical and Structural Approach. <i>ChemBioChem</i> , 2017, 18, 1496-1501.	2.6	12
35	Gas-Phase Structural and Optical Properties of Homo- and Heterobimetallic Rhombic Dodecahedral Nanoclusters [Ag <sub>14</sub> Cu <sub>n</sub> (Câ‰ƒC <sub>t</sub> Bu) <sub>12</sub> X] <sup>+</sup> (X = Cl, I) <i>ETQq19</i> 0.7843 2017, 121, 10719-10727.	3.1	19
36	Total Synthesis of <i>Mycobacterium tuberculosis</i> Dideoxymycobactin-838 and Stereoisomers: Diverse CD1a-Restricted T Cells Display a Common Hierarchy of Lipopeptide Recognition. <i>Chemistry - A European Journal</i> , 2017, 23, 1694-1701.	3.3	13

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37	Quantitation in the regioselectivity of acylation of glycosyl diglycerides: total synthesis of a <i>Streptococcus pneumoniae</i> $\beta$ -glucosyl diglyceride. <i>Chemical Communications</i> , 2017, 53, 1100-1103.	4.1	10
38	Computational Design of Experiment Unveils the Conformational Reaction Coordinate of GH125 $\beta$ -Mannosidases. <i>Journal of the American Chemical Society</i> , 2017, 139, 1085-1088.	13.7	17
39	Contribution of Shape and Charge to the Inhibition of a Family GH99 $\alpha$ -endo- $\beta$ -1,2-Mannanase. <i>Journal of the American Chemical Society</i> , 2017, 139, 1089-1097.	13.7	17
40	An atypical interaction explains the high-affinity of a non-hydrolyzable S-linked 1,6- $\beta$ -mannanase inhibitor. <i>Chemical Communications</i> , 2017, 53, 9238-9241.	4.1	6
41	Total synthesis and mass spectrometric analysis of a <i>Mycobacterium tuberculosis</i> phosphatidylglycerol featuring a two-step synthesis of (R)-tuberculostearic acid. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7422-7429.	2.8	8
42	A carbon tetrachloride-free synthesis of N-phenyltrifluoroacetimidoyl chloride. <i>Carbohydrate Research</i> , 2017, 450, 10-11.	2.3	1
43	Structure-reactivity correlations of the abnormal Beckmann reaction of dihydrolevoglucosenone oxime. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10105-10115.	2.8	11
44	A building block approach to the synthesis of a family of S-linked $\beta$ -1,6-oligomannosides. <i>Carbohydrate Research</i> , 2016, 429, 38-47.	2.3	12
45	Bacterial $\beta$ -Glucosidase Reveals the Structural and Functional Basis of Genetic Defects in Human Glucocerebrosidase 2 (GBA2). <i>ACS Chemical Biology</i> , 2016, 11, 1891-1900.	3.4	39
46	Carbohydrate-active enzymes: sequences, shapes, contortions and cells. <i>Biochemical Society Transactions</i> , 2016, 44, 79-87.	3.4	47
47	C2-Oxanyon Neighboring Group Participation: Transition State Structure for the Hydroxide-Promoted Hydrolysis of 4-Nitrophenyl $\beta$ -Mannopyranoside. <i>Journal of the American Chemical Society</i> , 2016, 138, 14012-14019.	13.7	25
48	Total synthesis of a cyclopropane-fatty acid $\beta$ -glucosyl diglyceride from <i>Lactobacillus plantarum</i> and identification of its ability to signal through MinCLE. <i>Chemical Communications</i> , 2016, 52, 10902-10905.	4.1	36
49	Structural and mechanistic insights into a <i>Bacteroides vulgatus</i> retaining N-acetyl- $\beta$ -galactosaminidase that uses neighbouring group participation. <i>Chemical Communications</i> , 2016, 52, 11096-11099.	4.1	18
50	Lipid structure influences the ability of glucose monocorynomycolate to signal through MinCLE. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9267-9277.	2.8	12
51	A $\beta$ -Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. <i>ACS Central Science</i> , 2016, 2, 896-903.	11.3	39
52	Immune sensing of microbial glycolipids and related conjugates by T cells and the pattern recognition receptors MCL and MinCLE. <i>Carbohydrate Research</i> , 2016, 420, 32-45.	2.3	18
53	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. <i>Nature Chemical Biology</i> , 2016, 12, 215-217.	8.0	60
54	Investigation of benzoyloximes as benzoylating reagents: benzoyl-Oxyma as a selective benzoylating reagent. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 97-104.	2.8	6



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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. <i>Journal of Organic Chemistry</i> , 2014, 79, 1995-2005.	3.2	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. <i>Journal of Pharmacological Sciences</i> , 2014, 125, 211-216.	2.5	13
75	Glycoprotein misfolding in the endoplasmic reticulum: identification of released oligosaccharides reveals a second ER-associated degradation pathway for Golgi-retrieved proteins. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2799-2814.	5.4	20
76	3,4-Bis-difluoromethoxycinnamoylanthranilate (FT061): An orally-active antifibrotic agent that reduces albuminuria in a rat model of progressive diabetic nephropathy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6868-6873.	2.2	16
77	A new anti-fibrotic drug attenuates cardiac remodeling and systolic dysfunction following experimental myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 168, 1174-1185.	1.7	11
78	Halide-ion-templated Ag <sub>8</sub> Cu <sub>6</sub> rhombic dodecahedrons: synthesis, structure and reactivity of [Ag <sub>8</sub> Cu <sub>6</sub> (Cl/CtBu) <sub>12</sub> ]BF <sub>4</sub> (X = Cl, Br). <i>Dalton Transactions</i> , 2013, 42, 4903.	3.3	43
79	Synthesis, Structural Elucidation, And Biochemical Analysis of Immunoactive Glucuronosyl Diacylglycerides of Mycobacteria and Corynebacteria. <i>Journal of Organic Chemistry</i> , 2013, 78, 2175-2190.	3.2	24
80	A Click Chemistry Approach to 5,5-Disubstituted-3,3-Bisoxazoles from Dichloroglyoxime and Alkynes: Luminescent Organometallic Iridium and Rhenium Bisoxazole Complexes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7298-7304.	3.2	29
81	Cardioprotective 3,4-dihydroxyflavonol attenuation of JNK and p38MAPK signalling involves CaMKII inhibition. <i>Biochemical Journal</i> , 2013, 456, 149-161.	3.7	22
82	Sulfatase inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 79-98.	5.0	49
83	A practical synthesis of long-chain iso-fatty acids (iso-C <sub>12</sub> and iso-C <sub>19</sub> ) and related natural products. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1807-1812.	2.2	18
84	Structural and mechanistic insight into N-glycan processing by endo- $\alpha$ -mannosidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 781-786.	7.1	74
85	Synthesis of glycosyl fluorides from thio-, seleno-, and telluroglycosides and glycosyl sulfoxides using aminodifluorosulfonium tetrafluoroborates. <i>Carbohydrate Research</i> , 2012, 357, 16-22.	2.3	23
86	Conjugation of Transferrin to Azide-Modified CdSe/ZnS Core-Shell Quantum Dots using Cyclooctyne Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10523-10527.	13.8	87
87	The Reaction Coordinate of a Bacterial GH47 $\alpha$ -Mannosidase: A Combined Quantum Mechanical and Structural Approach. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10997-11001.	13.8	57
88	Fleeta $\alpha$ -mannosamine (3-O- $\alpha$ -D-glucopyranosyl-swainsonine): the synthesis of a hypothetical inhibitor of endo- $\alpha$ -mannosidase. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 992-997.	1.8	5
89	Discovery of Inhibitors of Leishmania $\beta$ -1,2-Mannosyltransferases Using a Click-Chemistry-Derived Guanosine Monophosphate Library. <i>PLoS ONE</i> , 2012, 7, e32642.	2.5	8
90	FT011, a new anti-fibrotic drug, attenuates fibrosis and chronic heart failure in experimental diabetic cardiomyopathy. <i>European Journal of Heart Failure</i> , 2012, 14, 549-562.	7.1	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. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2353-2361.	3.0	10
92	<sc>FT</sc>23, an orally active antifibrotic compound, attenuates structural and functional abnormalities in an experimental model of diabetic cardiomyopathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 650-656.	1.9	16
93	3,4-Dihydroxyflavonol reduces vascular contraction through Ca <sup>2+</sup> desensitization in permeabilized rat mesenteric artery. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 191-202.	3.0	4
94	Localization of Oleuropeyl Glucose Esters and a Flavanone to Secretory Cavities of Myrtaceae. <i>PLoS ONE</i> , 2012, 7, e40856.	2.5	28
95	A Purpose-Synthesised Anti-Fibrotic Agent Attenuates Experimental Kidney Diseases in the Rat. <i>PLoS ONE</i> , 2012, 7, e47160.	2.5	37
96	Water soluble flavonol prodrugs that protect against ischaemia-reperfusion injury in rat hindlimb and sheep heart. <i>MedChemComm</i> , 2011, 2, 321.	3.4	7
97	A semi-invariant V $\alpha$ 10+ T cell antigen receptor defines a population of natural killer T cells with distinct glycolipid antigen recognition properties. <i>Nature Immunology</i> , 2011, 12, 616-623.	14.5	97
98	Copper(i)-catalyzed cycloaddition of silver acetylides and azides: Incorporation of volatile acetylenes into the triazole core. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6082.	2.8	47
99	Synthesis of glycoconjugate fragments of mycobacterial phosphatidylinositol mannosides and lipomannan. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 369-377.	2.2	17
100	The galanin-3 receptor antagonist, SNAP 37889, reduces operant responding for ethanol in alcohol-preferring rats. <i>Regulatory Peptides</i> , 2011, 166, 59-67.	1.9	21
101	Antioxidant activity contributes to flavonol cardioprotection during reperfusion of rat hearts. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1437-1444.	2.9	25
102	Synthesis of a hypoxia-targeted conjugate of the cardioprotective agent 3,4-dihydroxyflavonol and evaluation of its ability to reduce ischaemia/reperfusion injury. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5102-5106.	2.2	11
103	Fixed-charge labels for simplified reaction analysis: 5-hydroxy-1,2,3-triazoles as byproducts of a copper(I)-catalyzed click reaction. <i>Tetrahedron Letters</i> , 2011, 52, 2750-2753.	1.4	15
104	Comprehensive two-dimensional gas chromatography, retention indices and time-of-flight mass spectra of flavonoids and chalcones. <i>Journal of Chromatography A</i> , 2010, 1217, 8317-8326.	3.7	32
105	Copper-free palladium-catalyzed Sonogashira and Hiyama cross-couplings using aryl imidazol-1-ylsulfonates. <i>Tetrahedron Letters</i> , 2010, 51, 2971-2974.	1.4	37
106	Synthesis of the monoterpenoid esters cypellocarpin C and cuniloside B and evidence for their widespread occurrence in Eucalyptus. <i>Carbohydrate Research</i> , 2010, 345, 2079-2084.	2.3	23
107	Mechanistic insights into a Ca <sup>2+</sup> -dependent family of $\alpha$ -mannosidases in a human gut symbiont. <i>Nature Chemical Biology</i> , 2010, 6, 125-132.	8.0	115
108	Effects of 3,4-dihydroxyflavonol on vascular contractions of rat aortic rings. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 803-810.	1.9	10



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109	Neighboring Group Participation in Glycosylation Reactions by 2,6-Disubstituted 2-O-Benzoyl groups: A Mechanistic Investigation. <i>Journal of Carbohydrate Chemistry</i> , 2010, 29, 236-263.	1.1	30
110	Synthesis and Preliminary Pharmacological Evaluation of Aryl Dithiolethiones with Cyclooxygenase-2-Selective Inhibitory Activity and Hydrogen Sulfide-Releasing Properties. <i>Australian Journal of Chemistry</i> , 2010, 63, 946.	0.9	30
111	Chemical approaches for the study of the mycobacterial glycolipids phosphatidylinositol mannosides, lipomannan and lipoarabinomannan. <i>Natural Product Reports</i> , 2010, 27, 919.	10.3	39
112	Synthesis of Sulfated Glucosaminides for Profiling Substrate Specificities of Sulfatases and Fungal $\beta$ -Acetylhexosaminidases. <i>ChemBioChem</i> , 2009, 10, 565-576.	2.6	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. <i>Phytochemistry</i> , 2009, 70, 1187-1194.	2.9	35
114	Synthesis and evaluation of dithiolethiones as novel cyclooxygenase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 459-461.	2.2	10
115	Aryl sulfamates are broad spectrum inactivators of sulfatases: Effects on sulfatases from various sources. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 477-480.	2.2	9
116	Evaluation and optimization of antifibrotic activity of cinnamoyl anthranilates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 7003-7006.	2.2	44
117	2,6-Disubstituted Benzoates As Neighboring Groups for Enhanced Diastereoselectivity in $\beta$ -Galactosylation Reactions: Synthesis of $\beta$ -1,3-Linked Oligogalactosides Related to Arabinogalactan Proteins. <i>Journal of Organic Chemistry</i> , 2009, 74, 9388-9398.	3.2	38
118	Robert Vyent Stick: A Colourful Character. <i>Australian Journal of Chemistry</i> , 2009, 62, 503.	0.9	0
119	Direct Evidence for ArO-S Bond Cleavage upon Inactivation of <i>Pseudomonas aeruginosa</i> Arylsulfatase by Aryl Sulfamates. <i>ChemBioChem</i> , 2008, 9, 613-623.	2.6	29
120	Discovery of Water-Soluble Antioxidant Flavonols without Vasorelaxant Activity. <i>ChemMedChem</i> , 2008, 3, 1572-1579.	3.2	13
121	Sulfotransferases, sulfatases and formylglycine-generating enzymes: a sulfation fascination. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 573-581.	6.1	91
122	'Click' cycloaddition catalysts: copper(i) and copper(ii) tris(triazolylmethyl)amine complexes. <i>Chemical Communications</i> , 2008, , 2459.	4.1	180
123	Anomeric Anhydro Sugars. , 2008, , 737-753.		6
124	Understanding the Cardioprotective Effects of Flavonols: Discovery of Relaxant Flavonols without Antioxidant Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1874-1884.	6.4	83
125	'Click' Preparation of Carbohydrate 1-Benzotriazoles, 1,4-Disubstituted, and 1,4,5-Trisubstituted Triazoles and their Utility as Glycosyl Donors. <i>Australian Journal of Chemistry</i> , 2008, 61, 837.	0.9	20
126	Vaccine efficacy of an attenuated but persistent Mycobacterium tuberculosis cysH mutant. <i>Journal of Medical Microbiology</i> , 2007, 56, 454-458.	1.8	17



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127	Galactose-derived phosphonate analogues as potential inhibitors of phosphatidylinositol biosynthesis in mycobacteria. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 952.	2.8	31
128	Transition-State Mimicry by Glycosidase Inhibitors: A Critical Kinetic Analysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 4530-4531.	13.7	42
129	Electronic Structure of the Sulfonyl and Phosphonyl Groups: A Computational and Crystallographic Study. <i>Inorganic Chemistry</i> , 2007, 46, 8871-8886.	4.0	32
130	Ground state structures of sulfate monoesters and sulfamates reveal similar reaction coordinates for sulfuryl and sulfamyl transfer. <i>Chemical Communications</i> , 2006, , 314-316.	4.1	16
131	5'-Adenosinephosphosulphate reductase (CysH) protects <i>Mycobacterium tuberculosis</i> against free radicals during chronic infection phase in mice. <i>Molecular Microbiology</i> , 2006, 59, 1744-1753.	2.5	102
132	A convenient gram-scale synthesis of uridine diphospho(13C6)glucose. <i>Carbohydrate Research</i> , 2006, 341, 1743-1747.	2.3	18
133	Use of Click Chemistry to Define the Substrate Specificity of <i>Leishmania</i> $\beta$ -1,2-Mannosyltransferases. <i>ChemBioChem</i> , 2006, 7, 1384-1391.	2.6	36
134	Synthesis and Testing of Mechanism-Based Protein-Profiling Probes for Retaining Endo-glycosidases. <i>ChemBioChem</i> , 2006, 7, 116-124.	2.6	47
135	<i>Leishmania</i> beta-1,2-mannan is assembled on a mannose-cyclic phosphate primer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9458-9463.	7.1	36
136	Compartmentalization of Lipid Biosynthesis in <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 21645-21652.	3.4	92
137	Active-site Peptide "Fingerprinting" of Glycosidases in Complex Mixtures by Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2005, 280, 35126-35135.	3.4	73
138	Rapid, iterative assembly of octyl $\beta$ -1,6-oligomannosides and their 6-deoxy equivalents. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1982.	2.8	34
139	Trehalose Is Required for Growth of <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 28835-28843.	3.4	100
140	A master of its sulfate. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 686-687.	8.2	0
141	Atomic resolution analyses of the binding of xylobiose-derived deoxynojirimycin and isofagomine to xylanase Xyn10A. Electronic supplementary information (ESI) available: kinetics and structural methods. See <a href="http://www.rsc.org/suppdata/cc/b4/b405152a/">http://www.rsc.org/suppdata/cc/b4/b405152a/</a> . <i>Chemical Communications</i> , 2004, , 1794.	4.1	26
142	Novel microsomal triglyceride transfer protein inhibitors. <i>Expert Opinion on Therapeutic Patents</i> , 2003, 13, 479-488.	5.0	7
143	Aspartate 313 in the <i>Streptomyces plicatus</i> Hexosaminidase Plays a Critical Role in Substrate-assisted Catalysis by Orienting the 2-Acetamido Group and Stabilizing the Transition State. <i>Journal of Biological Chemistry</i> , 2002, 277, 40055-40065.	3.4	126
144	Discovery of sulfated metabolites in mycobacteria with a genetic and mass spectrometric approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 17037-17042.	7.1	61

#	ARTICLE	IF	CITATIONS
145	5-Adenosinephosphosulfate Lies at a Metabolic Branch Point in Mycobacteria. <i>Journal of Biological Chemistry</i> , 2002, 277, 32606-32615.	3.4	83
146	Glycosynthases: Mutant Glycosidases for Glycoside Synthesis. <i>Australian Journal of Chemistry</i> , 2002, 55, 3.	0.9	74
147	High-Resolution Crystal Structures of the Lectin-like Xylan Binding Domain from <i>Streptomyces lividans</i> Xylanase 10A with Bound Substrates Reveal a Novel Mode of Xylan Binding. <i>Biochemistry</i> , 2002, 41, 4246-4254.	2.5	78
148	Sulfotransferases and Sulfatases in Mycobacteria. <i>Chemistry and Biology</i> , 2002, 9, 767-776.	6.0	109
149	Protein-carbohydrate interactions: learning lessons from nature. <i>Trends in Biotechnology</i> , 2001, 19, 356-362.	9.3	82
150	Anomeric Anhydro Sugars. , 2001, , 627-641.		0
151	Glycosyl fluorides in enzymatic reactions. <i>Carbohydrate Research</i> , 2000, 327, 27-46.	2.3	207
152	Nanomolar versus Millimolar Inhibition by Xylobiose-Derived Azasugars: Significant Differences between Two Structurally Distinct Xylanases. <i>Journal of the American Chemical Society</i> , 2000, 122, 2223-2235.	13.7	61
153	A New, Simple, High-Affinity Glycosidase Inhibitor: Analysis of Binding through X-ray Crystallography, Mutagenesis, and Kinetic Analysis. <i>Journal of the American Chemical Society</i> , 2000, 122, 4229-4230.	13.7	54
154	Detailed Structural Analysis of Glycosidase/Inhibitor Interactions: Complexes of Cex from <i>Cellulomonas fimi</i> with Xylobiose-Derived Aza-Sugars. <i>Biochemistry</i> , 2000, 39, 11553-11563.	2.5	68
155	1,6-epithio- and 1,6-episeleno- $\beta$ -D-glucopyranose: Useful adjuncts in the synthesis of 6-deoxy- $\beta$ -D-glucopyranosides. <i>Tetrahedron Letters</i> , 1997, 38, 2741-2744.	1.4	11
156	A Synthesis of (Z)-Octadec-9-enedioic Acid. <i>Australian Journal of Chemistry</i> , 1995, 48, 1893.	0.9	5