

# Keith A Stubbs

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134 papers	3,614 citations	31 h-index	56 g-index
145 ext. papers	4,242 ext. citations	5.5 avg, IF	5.16 L-index

#	Paper	IF	Citations
134	Vortex fluidic induced mass transfer across immiscible phases.. <i>Chemical Science</i> , <b>2022</b> , 13, 3375-3385	9.4	1
133	Inhibition of chloroplast translation as a new target for herbicides.. <i>RSC Chemical Biology</i> , <b>2022</b> , 3, 37-43	3	1
132	Crystal structure of Arabidopsis thaliana HPPK/DHPS, a bifunctional enzyme and target of the herbicide asulam. <i>Plant Communications</i> , <b>2022</b> , 100322	9	
131	Sub-micron moulding topological mass transport regimes in angled vortex fluidic flow. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 3064-3075	5.1	11
130	Improved herbicide discovery using physico-chemical rules refined by antimalarial library screening.. <i>RSC Advances</i> , <b>2021</b> , 11, 8459-8467	3.7	4
129	Antibiotic resistance lessons for the herbicide resistance crisis. <i>Pest Management Science</i> , <b>2021</b> , 77, 3807-3814	14	2
128	Herbicidal activity of fluoroquinolone derivatives. <i>Plant Direct</i> , <b>2021</b> , 5, e348	3.3	0
127	Anti-Virulence Therapeutic Approaches for. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	1
126	Susceptibility-guided bismuth quadruple therapies for resistant Helicobacter pylori infections. <i>Precision Clinical Medicine</i> , <b>2020</b> , 3, 127-135	6.7	5
125	NAG-thiazoline is a potent inhibitor of the Vibrio cholerae GH20 N-Acetylglucosaminidase. <i>FEBS Journal</i> , <b>2020</b> , 287, 4982-4995	5.7	3
124	Generalising a Simple Methodology for the Regioselective Anomeric Deacetylation of Carbohydrates. <i>ChemistrySelect</i> , <b>2020</b> , 5, 875-877	1.8	
123	Structure of a GH51 L-arabinofuranosidase from Meripilus giganteus: conserved substrate recognition from bacteria to fungi. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2020</b> , 76, 1124-1133	5.5	2
122	Genomics-Driven Discovery of Phytotoxic Cytochalasans Involved in the Virulence of the Wheat Pathogen. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 226-233	4.9	17
121	Syntheses and biological investigations of kirkamide and oseltamivir hybrid derivatives. <i>Tetrahedron</i> , <b>2020</b> , 76, 131386	2.4	3
120	Vortex Fluidic-Mediated Fabrication of Fast Gelated Silica Hydrogels with Embedded Laccase Nanoflowers for Real-Time Biosensing under Flow. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51999-52007	9.5	11
119	Red Algal Molecules - Synthesis of Methyl Neo- $\beta$ -carrabioside and Its $\alpha$ -Linked Variant via Two Synthetic Routes: A Late Stage Ring Closure and Using a 3,6-Anhydro-d-galactosyl Donor. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 16182-16195	4.2	
118	Characterisation of an exo-( $\alpha$ ,3)-3,6-anhydro-d-galactosidase produced by the marine bacterium Zobellia galactanivorans Dsij: Insight into enzyme preference for natural carrageenan oligosaccharides and kinetic characterisation on a novel chromogenic substrate. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1471-1479	7.9	3

117	Primary antibiotic resistance of among a Chinese Tibetan population. <i>Future Microbiology</i> , <b>2020</b> , 15, 1353-1361	3.9	4
116	Heterologous biosynthesis of elsinochrome A sheds light on the formation of the photosensitive perylenequinone system. <i>Chemical Science</i> , <b>2019</b> , 10, 1457-1465	9.4	44
115	Synthetic and Crystallographic Insight into Exploiting sp Hybridization in the Development of $\beta$ -Fucosidase Inhibitors. <i>ChemBioChem</i> , <b>2019</b> , 20, 1365-1368	3.8	1
114	General Synthesis of 3,4-Dinitrophenyl $\beta$ -Glycopyranosides. <i>ChemistrySelect</i> , <b>2019</b> , 4, 11427-11429	1.8	0
113	Biosynthesis of a Tricyclo[6.2.2.0]dodecane System by a Berberine Bridge Enzyme-Like Aldolase. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15062-15066	4.8	5
112	East-Asian <i>Helicobacter pylori</i> strains synthesize heptan-deficient lipopolysaccharide. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008497	6	10
111	Angled Vortex Fluidic Mediated Multicomponent Photocatalytic and Transition Metal-Catalyzed Reactions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 8869-8874	4.8	8
110	A herbicide structure-activity analysis of the antimalarial lead compound MMV007978 against <i>Arabidopsis thaliana</i> . <i>Pest Management Science</i> , <b>2018</b> , 74, 1558-1563	4.6	8
109	Developing ciprofloxacin analogues against plant DNA gyrase: a novel herbicide mode of action. <i>Chemical Communications</i> , <b>2018</b> , 54, 1869-1872	5.8	9
108	Potent inhibition of a GH20 exo- $\beta$ -N-acetylglucosaminidase from marine <i>Vibrio</i> bacteria by reaction intermediate analogues. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 1165-1173	7.9	5
107	A mechanism-based GlcNAc-inspired cyclophellitol inactivator of the peptidoglycan recycling enzyme NagZ reverses resistance to $\beta$ -lactams in <i>Pseudomonas aeruginosa</i> . <i>Chemical Communications</i> , <b>2018</b> , 54, 10630-10633	5.8	5
106	Targeting plant DIHYDROFOLATE REDUCTASE with antifolates and mechanisms for genetic resistance. <i>Plant Journal</i> , <b>2018</b> , 95, 727	6.9	5
105	Structure of a <i>Talaromyces pinophilus</i> GH62 arabinofuranosidase in complex with AraDNJ at 1.25 Å resolution. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2018</b> , 74, 490-495	1.1	3
104	Integrating thin film microfluidics in developing a concise synthesis of DGJNAc: A potent inhibitor of $\beta$ -N-acetylgalactosaminidases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 3748-3751	2.9	2
103	Lipopolysaccharide Structural Differences between Western and Asian Strains. <i>Toxins</i> , <b>2018</b> , 10,	4.9	6
102	Enzyme targets for drug design of new anti-virulence therapeutics. <i>Current Opinion in Structural Biology</i> , <b>2018</b> , 53, 140-150	8.1	8
101	Chemical Ecogenomics-Guided Discovery of Phytotoxic $\beta$ -Pyrone from the Fungal Wheat Pathogen <i>Parastagonospora nodorum</i> . <i>Organic Letters</i> , <b>2018</b> , 20, 6148-6152	6.2	22
100	Structure of a lipid A phosphoethanolamine transferase suggests how conformational changes govern substrate binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2218-2223	11.5	78

99	Acquisition of the capsule locus by horizontal gene transfer in <i>Neisseria meningitidis</i> is often accompanied by the loss of UDP-GalNAc synthesis. <i>Scientific Reports</i> , <b>2017</b> , 7, 44442	4.9	10
98	Vortex Fluidic Chemical Transformations. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13270-13278	4.8	58
97	The first crystal structure of a family 129 glycoside hydrolase from a probiotic bacterium reveals critical residues and metal cofactors. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12126-12138	5.4	17
96	Heterologous expression of cytotoxic sesquiterpenoids from the medicinal mushroom <i>Lignosus rhinocerotis</i> in yeast. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 103	6.4	22
95	Herbicidal properties of antimalarial drugs. <i>Scientific Reports</i> , <b>2017</b> , 7, 45871	4.9	27
94	Molecular Insight into Evolution of Symbiosis between Breast-Fed Infants and a Member of the Human Gut Microbiome <i>Bifidobacterium longum</i> . <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 515-524.e5	8.2	62
93	Conformational flexibility of the glycosidase NagZ allows it to bind structurally diverse inhibitors to suppress $\beta$ -lactam antibiotic resistance. <i>Protein Science</i> , <b>2017</b> , 26, 1161-1170	6.3	11
92	Exploiting sp <sup>2</sup> -Hybridisation in the Development of Potent 1,5- $\beta$ -Arabinanase Inhibitors. <i>ChemBioChem</i> , <b>2017</b> , 18, 974-978	3.8	
91	Synergistic activity of fosfomycin, $\beta$ -lactams and peptidoglycan recycling inhibition against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 448-454	5.1	21
90	The redefinition of <i>Helicobacter pylori</i> lipopolysaccharide O-antigen and core-oligosaccharide domains. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006280	7.6	18
89	<i>Helicobacter pylori</i> gene silencing in vivo demonstrates urease is essential for chronic infection. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006464	7.6	39
88	Exploiting the Evolutionary Relationship between Malarial Parasites and Plants To Develop New Herbicides. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10013-10017	3.6	
87	Carrageenan catabolism is encoded by a complex regulon in marine heterotrophic bacteria. <i>Nature Communications</i> , <b>2017</b> , 8, 1685	17.4	72
86	Exploiting the Evolutionary Relationship between Malarial Parasites and Plants To Develop New Herbicides. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9881-9885	16.4	12
85	Understanding protein glycosylation pathways in bacteria. <i>Future Microbiology</i> , <b>2017</b> , 12, 59-72	2.9	17
84	Insights from the redefinition of lipopolysaccharide O-antigen and core-oligosaccharide domains. <i>Microbial Cell</i> , <b>2017</b> , 4, 175-178	3.9	3
83	A Fluorescent Transport Assay Enables Studying AmpG Permeases Involved in Peptidoglycan Recycling and Antibiotic Resistance. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2626-35	4.9	8
82	Modifying the phenyl group of PUGNAc: reactivity tuning to deliver selective inhibitors for N-acetyl-D-glucosaminidases. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3193-7	3.9	13

81	Lipopolysaccharide Structure and Biosynthesis in <i>Helicobacter pylori</i> . <i>Helicobacter</i> , <b>2016</b> , 21, 445-461	4.9	41
80	Transition-Metal-Free Cross-Coupling Reactions in Dynamic Thin Films To Access Pyrimidine and Quinoxaline Analogues. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 5957-5963	3.2	10
79	Analysis of transition state mimicry by tight binding aminothiazoline inhibitors provides insight into catalysis by human $\beta$ -GlcNAcase. <i>Chemical Science</i> , <b>2016</b> , 7, 3742-3750	9.4	28
78	Structural dissection of a complex <i>Bacteroides ovatus</i> gene locus conferring xyloglucan metabolism in the human gut. <i>Open Biology</i> , <b>2016</b> , 6,	7	35
77	An interactive database to explore herbicide physicochemical properties. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 5586-90	3.9	33
76	Gaining insight into the catalysis by GH20 lacto-N-biosidase using small molecule inhibitors and structural analysis. <i>Chemical Communications</i> , <b>2015</b> , 51, 15008-11	5.8	10
75	Expansion of the tetracycline-dependent regulation toolbox for <i>Helicobacter pylori</i> . <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7969-80	4.8	2
74	The synthesis and fluorescence profile of novel thalidomide analogues. <i>Tetrahedron</i> , <b>2015</b> , 71, 8140-8149	4.4	5
73	An improved preparation of some aryl $\beta$ -arabinofuranosides for use as chromogenic substrates for $\beta$ -arabinofuranosidases. <i>Canadian Journal of Chemistry</i> , <b>2015</b> , 93, 1176-1180	0.9	1
72	A simple and robust preparation of N-acetylindoxyls: precursors for indigogenic substrates. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 905-8	3.9	5
71	Photoredox catalysis under shear using thin film vortex microfluidics. <i>Chemical Communications</i> , <b>2015</b> , 51, 11041-4	5.8	47
70	Glycosylation-related Diagnostic and Therapeutic Drug Target Markers in Hepatocellular Carcinoma. <i>Journal of Gastrointestinal and Liver Diseases</i> , <b>2015</b> , 24, 349-57	1.4	12
69	Nitrate uptake by p-phosphonic acid or p-(trimethylammonium)methyl calix[8]arene stabilized laminar materials. <i>RSC Advances</i> , <b>2014</b> , 4, 48348-48352	3.7	3
68	Vortex fluidic promoted Diels-Alder reactions in an aqueous medium. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 2246-2248	2	23
67	Letter to the glycoforum transforming glycoscience: an Australian perspective. <i>Glycobiology</i> , <b>2014</b> , 24, 1-3	5.8	1
66	Thin film microfluidic synthesis of fluorescent highly substituted pyridines. <i>Green Chemistry</i> , <b>2014</b> , 16, 3450-3453	10	13
65	Activity-based proteomics probes for carbohydrate-processing enzymes: current trends and future outlook. <i>Carbohydrate Research</i> , <b>2014</b> , 390, 9-19	2.9	18
64	Unravelling the multiple functions of the architecturally intricate <i>Streptococcus pneumoniae</i> $\beta$ -galactosidase, BgaA. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004364	7.6	38

63	Towards aryl C-N bond formation in dynamic thin films. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 4594-7	3.9	16
62	Synthesis of Carbohydrate-based Natural Products from <i>Leonurus japonicus</i> and their Biological Evaluation as Anti-oxidants. <i>Australian Journal of Chemistry</i> , <b>2014</b> , 67, 1461	1.2	2
61	Structural enzymology of <i>Helicobacter pylori</i> methylthioadenosine nucleosidase in the futasoline pathway. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2014</b> , 70, 177-85		9
60	The role of oxidoreductases in determining the function of the neisserial lipid A phosphoethanolamine transferase required for resistance to polymyxin. <i>PLoS ONE</i> , <b>2014</b> , 9, e106513	3.7	17
59	[Review: Symposium on Applied Glycoscience] Structure and Reaction Mechanism of GH20 Lacto-N-biosidase from <i>Bifidobacterium bifidum</i> . <i>Bulletin of Applied Glycoscience</i> , <b>2014</b> , 4, 140-146	0.1	
58	Antioxidant phospholipid calix[4]arene mimics as micellular delivery systems. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 6108-12	3.9	24
57	An improved assay for the spectrophotometric determination of chondroitinase ABC activity. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1944	3.6	2
56	The structure of the neisserial lipooligosaccharide phosphoethanolamine transferase A (LptA) required for resistance to polymyxin. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 3389-402	6.5	83
55	Stereospecific synthesis of resorcin[4]arenes and pyrogallol[4]arenes in dynamic thin films. <i>Chemical Communications</i> , <b>2013</b> , 49, 10932-4	5.8	24
54	Inhibition of the family 20 glycoside hydrolase catalytic modules in the <i>Streptococcus pneumoniae</i> exo- $\beta$ -D-N-acetylglucosaminidase, StrH. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 7907-15	3.9	9
53	Mechanism of the dehydrogenase reaction of DmpFG and analysis of inter-subunit channeling efficiency and thermodynamic parameters in the overall reaction. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 1878-85	5.6	2
52	Optimising a vortex fluidic device for controlling chemical reactivity and selectivity. <i>Scientific Reports</i> , <b>2013</b> , 3, 2282	4.9	78
51	Crystal structures of a glycoside hydrolase family 20 lacto-N-biosidase from <i>Bifidobacterium bifidum</i> . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 11795-806	5.4	41
50	The development of selective inhibitors of NagZ: increased susceptibility of Gram-negative bacteria to $\beta$ -lactams. <i>ChemBioChem</i> , <b>2013</b> , 14, 1973-81	3.8	27
49	Gaining insight into the inhibition of glycoside hydrolase family 20 exo- $\beta$ -N-acetylhexosaminidases using a structural approach. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 2607-12	3.9	24
48	Active site plasticity within the glycoside hydrolase NagZ underlies a dynamic mechanism of substrate distortion. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1471-82		58
47	Composite fluorescent vesicles based on ionic and cationic amphiphilic calix[4]arenes. <i>RSC Advances</i> , <b>2012</b> , 2, 6250	3.7	28
46	Development of tools to study lacto-N-biosidase: an important enzyme involved in the breakdown of human milk oligosaccharides. <i>ChemBioChem</i> , <b>2012</b> , 13, 1128-31	3.8	7

45	Synthesis and Toxicology of p-Phosphonic Acid Calixarenes and O-Alkylated Analogues as Potential Calixarene-Based Phospholipids. <i>ChemPlusChem</i> , <b>2012</b> , 77, 308-313	2.8	25
44	Metabolism of vertebrate amino sugars with N-glycolyl groups: intracellular $\beta$ -O-linked N-glycolylglucosamine (GlcNGc), UDP-GlcNGc, and the biochemical and structural rationale for the substrate tolerance of $\beta$ -O-linked $\beta$ -N-acetylglucosaminidase. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 28882-97	5.4	20
43	A potential fortuitous binding of inhibitors of an inverting family GH9 $\beta$ -glycosidase derived from isofagomine. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 5945-7	3.9	2
42	Phosphonated calix[4]arene-based amphiphiles as scaffolds for fluorescent nano-fibres. <i>Chemical Communications</i> , <b>2011</b> , 47, 7329-31	5.8	17
41	Inhibition of a bacterial O-GlcNAcase homologue by lactone and lactam derivatives: structural, kinetic and thermodynamic analyses. <i>Amino Acids</i> , <b>2011</b> , 40, 829-39	3.5	12
40	Carbohydrate-based crosslinking agents: Potential use in hydrogels. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4312-4315	2.5	18
39	Multifunctional nanoadditives for the thermodynamic and kinetic stabilization of enzymes. <i>Nanoscale</i> , <b>2011</b> , 3, 4085-7	7.7	3
38	Novel thalidomide analogues with potent NF $\kappa$ B and TNF expression inhibition. <i>MedChemComm</i> , <b>2011</b> , 2, 1073	5	14
37	A general method for affinity-based proteomic profiling of exo- $\beta$ -glycosidases. <i>Chemical Communications</i> , <b>2011</b> , 47, 5037-9	5.8	20
36	Molecular basis of 1,6-anhydro bond cleavage and phosphoryl transfer by <i>Pseudomonas aeruginosa</i> 1,6-anhydro-N-acetylmuramic acid kinase. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 12283-91	5.4	21
35	Perturbation of indole-3-butyric acid homeostasis by the UDP-glucosyltransferase UGT74E2 modulates <i>Arabidopsis</i> architecture and water stress tolerance. <i>Plant Cell</i> , <b>2010</b> , 22, 2660-79	11.6	301
34	Efforts toward elucidating Thalidomide's molecular target: an expedient synthesis of the first Thalidomide biotin analogue. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 4059-62	3.9	8
33	An improved route to PUGNAc and its galacto-configured congener. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 3931-4	4.2	5
32	An Expeditious Synthesis of Iminosugars. <i>Australian Journal of Chemistry</i> , <b>2010</b> , 63, 1409	1.2	10
31	Visualizing the reaction coordinate of an O-GlcNAc hydrolase. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1807-9	16.4	66
30	Preliminary studies into the inhibition of the cholesterol alpha-glucosyltransferase from <i>Helicobacter pylori</i> using azasugars. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 960-4	2.9	6
29	Inhibition of O-GlcNAcase using a potent and cell-permeable inhibitor does not induce insulin resistance in 3T3-L1 adipocytes. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 937-48		60
28	A selective inhibitor Gal-PUGNAc of human lysosomal beta-hexosaminidases modulates levels of the ganglioside GM2 in neuroblastoma cells. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1300-3	16.4	31



27	Insight into a strategy for attenuating AmpC-mediated beta-lactam resistance: structural basis for selective inhibition of the glycoside hydrolase NagZ. <i>Protein Science</i> , <b>2009</b> , 18, 1541-51	6.3	39
26	Inactivation of the glycoside hydrolase NagZ attenuates antipseudomonal beta-lactam resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 2274-82	5.9	53
25	Affinity-Based Proteomics Probes; Tools for Studying Carbohydrate-Processing Enzymes. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 521	1.2	5
24	Inhibition of the exo-beta-D-glucosaminidase CsxA by a glucosamine-configured castanospermine and an amino-australine analogue. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 4169-72	3.9	12
23	A potent mechanism-inspired O-GlcNAcase inhibitor that blocks phosphorylation of tau in vivo. <i>Nature Chemical Biology</i> , <b>2008</b> , 4, 483-90	11.7	464
22	Synthesis and use of mechanism-based protein-profiling probes for retaining beta-D-glucosaminidases facilitate identification of <i>Pseudomonas aeruginosa</i> NagZ. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 327-35	16.4	78
21	Structural and mechanistic insight into the basis of mucopolysaccharidosis IIIB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6560-5	11.5	72
20	Synthesis of 2-amido, 2-amino, and 2-azido derivatives of the nitrogen analogue of the naturally occurring glycosidase inhibitor salacinol and their inhibitory activities against O-GlcNAcase and NagZ enzymes. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1766-77	2.9	11
19	The synthesis and biological evaluation of some carbocyclic analogues of PUGNAc. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 2744-53	2.9	7
18	Analysis of PUGNAc and NAG-thiazoline as transition state analogues for human O-GlcNAcase: mechanistic and structural insights into inhibitor selectivity and transition state poise. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 635-44	16.4	142
17	Small molecule inhibitors of a glycoside hydrolase attenuate inducible AmpC-mediated beta-lactam resistance. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 21382-91	5.4	96
16	Synthesis of Some Glycosylated Derivatives of 2-Deoxy-2-fluoro- $\beta$ -aminaribiosyl Fluoride: Another Success for Glycosyntheses. <i>Australian Journal of Chemistry</i> , <b>2007</b> , 60, 83	1.2	2
15	A 1-acetamido derivative of 6-epi-valienamine: an inhibitor of a diverse group of beta-N-acetylglucosaminidases. <i>Organic and Biomolecular Chemistry</i> , <b>2007</b> , 5, 3013-9	3.9	34
14	Functional proteomic profiling of glycan-processing enzymes. <i>Methods in Enzymology</i> , <b>2006</b> , 415, 253-68	1.7	4
13	A divergent synthesis of 2-acyl derivatives of PUGNAc yields selective inhibitors of O-GlcNAcase. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 839-45	3.9	59
12	Identification of Asp174 and Asp175 as the key catalytic residues of human O-GlcNAcase by functional analysis of site-directed mutants. <i>Biochemistry</i> , <b>2006</b> , 45, 3835-44	3.2	100
11	Structure and mechanism of a bacterial beta-glucosaminidase having O-GlcNAcase activity. <i>Nature Structural and Molecular Biology</i> , <b>2006</b> , 13, 365-71	17.6	164
10	A highly concise preparation of O-deacetylated arylthioglycosides of N-acetyl-D-glucosamine from 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-alpha-D-glucopyranosyl chloride and aryl thiols or disulfides. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 1764-9	2.9	6



9	The Synthesis of a New Class of Potential Inhibitors for Glycoside Hydrolases□ <i>Journal of Carbohydrate Chemistry</i> , <b>2005</b> , 24, 529-547	1.7	11
8	O-GlcNAcase catalyzes cleavage of thioglycosides without general acid catalysis. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17202-3	16.4	63
7	From glycoside hydrolases to thioglycoligases: the synthesis of thioglycosides. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 321-335		35
6	The Fluorination (at C5) of Some Derivatives of D-Glucose. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 345	1.2	9
5	Modifying the Regioselectivity of Glycosynthase Reactions Through Changes in the Acceptor. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 779	1.2	16
4	An Improved Synthesis of (R)-2,3-Dihydroxypropyl 5-Deoxy-5-dimethylarsinyl-β-D-ribose, a Common Marine Arsenical. <i>Australian Journal of Chemistry</i> , <b>2001</b> , 54, 181	1.2	12
3	Refining physico-chemical rules for herbicides using an antimalarial library		1
2	Sub-Micron Moulding Topological Mass Transport Regimes in Angled Vortex Fluidic Flow		2
1	Designing safe and potent herbicides with the cropCSM online resource		4