

# Robert A Field

## List of Publications by Year in descending order

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251  
papers

9,822  
citations

38738

50  
h-index

53222

85  
g-index

281  
all docs

281  
docs citations

281  
times ranked

10857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex pectin metabolism by gut bacteria reveals novel catalytic functions. <i>Nature</i> , 2017, 544, 65-70.	27.8	447
2	Structural Basis of Trimannoside Recognition by Concanavalin A. <i>Journal of Biological Chemistry</i> , 1996, 271, 972-976.	3.4	272
3	Standards for plant synthetic biology: a common syntax for exchange of <scp>DNA</scp> parts. <i>New Phytologist</i> , 2015, 208, 13-19.	7.3	263
4	Recent applications of the CuI-catalysed Huisgen azide-alkyne 1,3-dipolar cycloaddition reaction in carbohydrate chemistry. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1006-1017.	2.8	239
5	The saponins - polar isoprenoids with important and diverse biological activities. <i>Natural Product Reports</i> , 2011, 28, 1261.	10.3	231
6	The SARS-COV-2 Spike Protein Binds Sialic Acids and Enables Rapid Detection in a Lateral Flow Point of Care Diagnostic Device. <i>ACS Central Science</i> , 2020, 6, 2046-2052.	11.3	222
7	Glyconanoparticles for the Colorimetric Detection of Cholera Toxin. <i>Analytical Chemistry</i> , 2007, 79, 1356-1361.	6.5	219
8	Silver and Gold Glyconanoparticles for Colorimetric Bioassays. <i>Langmuir</i> , 2006, 22, 6707-6711.	3.5	215
9	Versatile High Resolution Oligosaccharide Microarrays for Plant Glycobiology and Cell Wall Research. <i>Journal of Biological Chemistry</i> , 2012, 287, 39429-39438.	3.4	207
10	Application of copper(I)-catalysed azide/alkyne cycloaddition (CuAAC) -click chemistry™ in carbohydrate drug and neoglycopolymer synthesis. <i>Tetrahedron</i> , 2010, 66, 9475-9492.	1.9	194
11	Discrimination of epimeric glycans and glycopeptides using IM-MS and its potential for carbohydrate sequencing. <i>Nature Chemistry</i> , 2014, 6, 65-74.	13.6	171
12	New Small-Molecule Synthetic Antimycobacterials. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2153-2163.	3.2	159
13	Iodine: A versatile reagent in carbohydrate chemistry IV. Per-O-acetylation, regioselective acylation and acetolysis. <i>Tetrahedron</i> , 1997, 53, 11753-11766.	1.9	150
14	The GPI biosynthetic pathway as a therapeutic target for African sleeping sickness. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1455, 327-340.	3.8	128
15	-Click chemistry™ synthesis of a library of 1,2,3-triazole-substituted galactose derivatives and their evaluation against <i>Trypanosoma cruzi</i> and its cell surface trans-sialidase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2412-2427.	3.0	126
16	A survey of chemical methods for sugar-nucleotide synthesis. <i>Natural Product Reports</i> , 2009, 26, 1172.	10.3	125
17	Streamlined Synthesis of Per-O-acetylated Sugars, Glycosyl Iodides, or Thioglycosides from Unprotected Reducing Sugars <sup>1</sup> . <i>Journal of Organic Chemistry</i> , 2004, 69, 7758-7760.	3.2	123
18	Carbohydrate CuAAC click chemistry for therapy and diagnosis. <i>Carbohydrate Research</i> , 2016, 429, 1-22.	2.3	109

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19	RmlC, the third enzyme of dTDP-L-rhamnose pathway, is a new class of epimerase. <i>Nature Structural Biology</i> , 2000, 7, 398-402.	9.7	107
20	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. <i>Molecular BioSystems</i> , 2015, 11, 2808-2820.	2.9	104
21	New thiopyrazolo[3,4-d]pyrimidine derivatives as anti-mycobacterial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1736-1740.	2.2	101
22	Targeted photodynamic therapy of breast cancer cells using lactose-phthalocyanine functionalized gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 249-259.	9.4	99
23	Glyconanoparticles for the plasmonic detection and discrimination between human and avian influenza virus. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7101.	2.8	98
24	Colorimetric detection of <i>Ricinus communis</i> Agglutinin 120 using optimally presented carbohydrate-stabilised gold nanoparticles. <i>Analyst</i> , 2008, 133, 626.	3.5	97
25	Bacterial detection using carbohydrate-functionalised CdS quantum dots: a model study exploiting <i>E. coli</i> recognition of mannosides. <i>Tetrahedron Letters</i> , 2009, 50, 886-889.	1.4	96
26	Probing the Breadth of Macrolide Glycosyltransferases: In Vitro Remodeling of a Polyketide Antibiotic Creates Active Bacterial Uptake and Enhances Potency. <i>Journal of the American Chemical Society</i> , 2005, 127, 9336-9337.	13.7	93
27	Surface plasmon resonance imaging for real-time, label-free analysis of protein interactions with carbohydrate microarrays. <i>Glycoconjugate Journal</i> , 2008, 25, 69-74.	2.7	93
28	Synthesis of 1- and 2-d-glucopyranosyl triazoles by CuAAC click chemistry: reactant tolerance, reaction rate, product structure and glucosidase inhibitory properties. <i>Carbohydrate Research</i> , 2010, 345, 1123-1134.	2.3	90
29	Enzymatic synthesis using glycoside phosphorylases. <i>Carbohydrate Research</i> , 2015, 403, 23-37.	2.3	89
30	Purification and initial characterization of proline 4-hydroxylase from <i>Streptomyces griseoviridis</i> P8648: a 2-oxoacid, ferrous-dependent dioxygenase involved in etamycin biosynthesis. <i>Biochemical Journal</i> , 1996, 313, 185-191.	3.7	88
31	A Versatile Gold Surface Approach for Fabrication and Interrogation of Glycoarrays. <i>ChemBioChem</i> , 2008, 9, 1568-1575.	2.6	88
32	A Convenient Synthesis of Chiral Nonracemic Vinyl Aziridines. <i>Organic Letters</i> , 2004, 6, 2377-2380.	4.6	85
33	Chemoenzymatic Synthesis with Distinct <i>Pasteurella</i> Heparosan Synthases. <i>Journal of Biological Chemistry</i> , 2007, 282, 28321-28327.	3.4	77
34	Isolation and partial characterisation of ACV synthetase from <i>Cephalosporium acremonium</i> and <i>Streptomyces clavuligerus</i> . Evidence for the presence of phosphopantothenate in ACV synthetase.. <i>Journal of Antibiotics</i> , 1991, 44, 241-248.	2.0	71
35	Iodine: A versatile reagent in carbohydrate chemistry III. Efficient activation of glycosyl halides in combination with DDQ. <i>Tetrahedron Letters</i> , 1996, 37, 8807-8810.	1.4	70
36	The Role of 1-Glucosidase in Germinating Barley Grains. <i>Plant Physiology</i> , 2011, 155, 932-943.	4.8	70

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37	RmlC, a C3 <sup>h</sup> and C5 <sup>h</sup> Carbohydrate Epimerase, Appears to Operate via an Intermediate with an Unusual Twist Boat Conformation. <i>Journal of Molecular Biology</i> , 2007, 365, 146-159.	4.2	65
38	From Solution Phase to <i>in-situ</i> Chemistry: A Trichloroacetimidate-Based Glycosylation Promoted by Perchloric Acid/Silica. <i>Journal of Organic Chemistry</i> , 2005, 70, 9059-9062.	3.2	64
39	Man $\alpha$ 1-2 Man $\alpha$ -OMe-concanavalin A complex reveals a balance of forces involved in carbohydrate recognition. <i>Glycobiology</i> , 1999, 9, 539-545.	2.5	61
40	Direct synthesis of chiral aziridines from N-tert-butyl-sulfinylketimines. <i>Chemical Communications</i> , 2006, , 1833.	4.1	61
41	Flexible enzymatic and chemo-enzymatic approaches to a broad range of uridine-diphospho-sugars. <i>Chemical Communications</i> , 2004, , 2706.	4.1	60
42	Stable-Isotope-Assisted NMR Studies on <sup>13</sup> C-Enriched Sialyl Lewisxin Solution and Bound to E-Selectin. <i>Journal of the American Chemical Society</i> , 1999, 121, 2546-2551.	13.7	59
43	Glycosylation reactions with <i>disarmed</i> <sup>TM</sup> thioglycoside donors promoted by N-iodosuccinimide and HClO <sub>4</sub> /silica. <i>Tetrahedron Letters</i> , 2005, 46, 5923-5925.	1.4	58
44	Cyclooligomerisation of azido-alkyne-functionalised sugars: synthesis of 1,6-linked cyclic pseudo-galactooligosaccharides and assessment of their sialylation by <i>Trypanosoma cruzi</i> trans-sialidase. <i>Chemical Science</i> , 2010, 1, 507.	7.4	57
45	Glycosylation chemistry promoted by iodine monobromide: Efficient synthesis of glycosyl bromides from thioglycosides, and O-glycosides from <i>disarmed</i> <sup>TM</sup> thioglycosides and glycosyl bromides. <i>Tetrahedron Letters</i> , 1997, 38, 8233-8236.	1.4	56
46	Analysis of surface binding sites (SBSs) in carbohydrate active enzymes with focus on glycoside hydrolase families 13 and 77 <i>in a</i> mini-review. <i>Biologia (Poland)</i> , 2014, 69, 705-712.	1.5	55
47	Low or No Inhibitory Potency of the Canonical Galectin Carbohydrate-binding Site by Pectins and Galactomannans. <i>Journal of Biological Chemistry</i> , 2016, 291, 13318-13334.	3.4	55
48	New conformational constraints in isotopically ( <sup>13</sup> C) enriched oligosaccharides. <i>Glycobiology</i> , 1998, 8, 147-153.	2.5	53
49	Isolation and partial characterisation of ACV synthetase from <i>Cephalosporium acremonium</i> and <i>Streptomyces clavuligerus</i> . <i>Journal of Antibiotics</i> , 1990, 43, 1055-1057.	2.0	52
50	<i>Click chemistry</i> <i>en route</i> to pseudo-starch. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2225.	2.8	51
51	Observations on the activation of methyl thioglycosides by iodine and its interhalogen compounds. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 581-593.	1.8	50
52	Iodine Promoted Glycosylation with Glycosyl Iodides: <i>in situ</i> Glycoside Synthesis. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 463-474.	1.1	50
53	Glycans as Modulators of Plant Defense Against Filamentous Pathogens. <i>Frontiers in Plant Science</i> , 2018, 9, 928.	3.6	50
54	Iodine: A versatile reagent in carbohydrate chemistry II. Efficient chemospecific activation of thiomethylglycosides. <i>Tetrahedron Letters</i> , 1996, 37, 5175-5178.	1.4	49

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55	One-pot acetalation/acetylation of sugar derivatives employing perchloric acid immobilised on silica. <i>Carbohydrate Research</i> , 2005, 340, 1075-1080.	2.3	49
56	Structure of <i>Streptomyces</i> Maltosyltransferase GlgE, a Homologue of a Genetically Validated Anti-tuberculosis Target*. <i>Journal of Biological Chemistry</i> , 2011, 286, 38298-38310.	3.4	49
57	N-substituted analogues of S-nitroso- N -acetyl-D ,L -penicillamine: chemical stability and prolonged nitric oxide mediated vasodilatation in isolated rat femoral arteries. <i>British Journal of Pharmacology</i> , 1999, 126, 639-648.	5.4	48
58	A simple one-pot method for the synthesis of partially protected mono- and disaccharide building blocks using an orthoesterification/benzylation/orthoester rearrangement approach. <i>Carbohydrate Research</i> , 2003, 338, 2149-2152.	2.3	46
59	<i>Xenopus</i> as a model organism in developmental chemical genetic screens. <i>Molecular BioSystems</i> , 2005, 1, 223.	2.9	46
60	Biomolecular Characterization of the Levansucrase of <i>Erwinia amylovora</i> , a Promising Biocatalyst for the Synthesis of Fructooligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12265-12273.	5.2	45
61	Thioctic acid amides: convenient tethers for achieving low nonspecific protein binding to carbohydrates presented on gold surfaces. <i>Chemical Communications</i> , 2005, , 3334.	4.1	44
62	A Chemical Genomic Approach Identifies Matrix Metalloproteinases as Playing an Essential and Specific Role in <i>Xenopus</i> Melanophore Migration. <i>Chemistry and Biology</i> , 2009, 16, 93-104.	6.0	44
63	<i>Euglena</i> in time: Evolution, control of central metabolic processes and multi-domain proteins in carbohydrate and natural product biochemistry. <i>Perspectives in Science</i> , 2015, 6, 84-93.	0.6	44
64	Synthesis of triazole-linked pseudo-starch fragments. <i>Carbohydrate Research</i> , 2007, 342, 529-540.	2.3	43
65	Analysis of Two New Arabinosyltransferases Belonging to the Carbohydrate-Active Enzyme (CAZY) Glycosyl Transferase Family1 Provides Insights into Disease Resistance and Sugar Donor Specificity. <i>Plant Cell</i> , 2018, 30, 3038-3057.	6.6	43
66	Synthetic mannosides act as acceptors for mycobacterial $\alpha$ -1-6 mannosyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 815-824.	3.0	42
67	Surface plasmon resonance imaging of glycoarrays identifies novel and unnatural carbohydrate-based ligands for potential ricin sensor development. <i>Chemical Science</i> , 2011, 2, 1952.	7.4	42
68	Chemical and chemoenzymatic synthesis of glycosyl-amino acids and glycopeptides related to <i>Trypanosoma cruzi</i> mucins. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2645.	2.8	41
69	Flux through Trehalose Synthase Flows from Trehalose to the Alpha Anomer of Maltose in <i>Mycobacteria</i> . <i>Chemistry and Biology</i> , 2013, 20, 487-493.	6.0	41
70	Glyconanoparticles for colorimetric bioassays. <i>Analyst</i> , 2015, 140, 59-70.	3.5	41
71	Synthesis of a 2,3,4-Triglycosylated Rhamnoside Fragment of Rhamnogalacturonan-II Side Chain A Using a Late Stage Oxidation Approach. <i>Journal of Organic Chemistry</i> , 2005, 70, 960-966.	3.2	40
72	Cell wall degradation is required for normal starch mobilisation in barley endosperm. <i>Scientific Reports</i> , 2016, 6, 33215.	3.3	40

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73	Sugar nucleotide recognition by <i>Klebsiella pneumoniae</i> UDP-d-galactopyranose mutase: Fluorinated substrates, kinetics and equilibria. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1009.	2.8	39
74	Allosteric Competitive Inhibitors of the Glucose-1-phosphate Thymidyltransferase (RmlA) from <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2013, 8, 387-396.	3.4	39
75	An $\alpha$ -1,6- and $\alpha$ -1,3-linked glucan produced by <i>Leuconostoc citreum</i> ABK-1 alternansucrase with nanoparticle and film-forming properties. <i>Scientific Reports</i> , 2018, 8, 8340.	3.3	39
76	Chemical genetics and cereal starch metabolism: structural basis of the non-covalent and covalent inhibition of barley $\alpha$ -amylase. <i>Molecular BioSystems</i> , 2011, 7, 718-730.	2.9	38
77	Chemoenzymatic synthesis of GM3, Lewis x and sialyl Lewis x oligosaccharides in $^{13}\text{C}$ -enriched form. <i>Tetrahedron Letters</i> , 1997, 38, 5861-5864.	1.4	37
78	Expression and initial characterization of WbbI, a putative $\alpha$ -1,6-galactofuranosyltransferase from <i>Escherichia coli</i> K-12. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3945-3950.	2.8	36
79	Glycoclusters presenting lactose on calix[4]arene cores display trypanocidal activity. <i>Tetrahedron</i> , 2011, 67, 5902-5912.	1.9	36
80	Structural and Mechanistic Basis of Bacterial Sugar Nucleotide-Modifying Enzymes. <i>Biochemistry</i> , 2003, 42, 7637-7647.	2.5	35
81	Contrasting reactivity of thioglucoside and selenoglucoside donors towards promoters: implications for glycosylation stereocontrol. <i>Carbohydrate Research</i> , 2006, 341, 1391-1397.	2.3	35
82	Chemical genomics identifies compounds affecting <i>Xenopus laevis</i> pigment cell development. <i>Molecular BioSystems</i> , 2009, 5, 376.	2.9	35
83	Glycosyltransferases from Oat ( <i>Avena</i> ) Implicated in the Acylation of Avenacins. <i>Journal of Biological Chemistry</i> , 2013, 288, 3696-3704.	3.4	35
84	A Bacterial Glucanotransferase Can Replace the Complex Maltose Metabolism Required for Starch to Sucrose Conversion in Leaves at Night. <i>Journal of Biological Chemistry</i> , 2013, 288, 28581-28598.	3.4	34
85	Cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> : X-ray crystal structure and substrate specificity analysis. <i>Carbohydrate Research</i> , 2017, 451, 118-132.	2.3	33
86	Crystal structure of a novel two domain GH78 family $\alpha$ -rhamnosidase from <i>Klebsiella oxytoca</i> with rhamnose bound. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1742-1749.	2.6	32
87	Probing the acceptor substrate binding site of <i>Trypanosoma cruzi</i> trans-sialidase with systematically modified substrates and glycoside libraries. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1653.	2.8	31
88	Glycan Phosphorylases in Multi-Enzyme Synthetic Processes. <i>Protein and Peptide Letters</i> , 2017, 24, 696-709.	0.9	31
89	Identification of <i>Euglena gracilis</i> $\alpha$ -1,3-glucan phosphorylase and establishment of a new glycoside hydrolase (GH) family GH149. <i>Journal of Biological Chemistry</i> , 2018, 293, 2865-2876.	3.4	31
90	Identification and evolution of a plant cell wall specific glycoprotein glycosyl transferase, ExAD. <i>Scientific Reports</i> , 2017, 7, 45341.	3.3	29

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91	Iodine and its interhalogen compounds: versatile reagents in carbohydrate chemistry. XIV. Glycosylated amino acid synthesis. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 770-772.	1.3	28
92	Iodine and its Interhalogen Compounds: Versatile Reagents in Carbohydrate Chemistry XIII. General Activation of 'Armed' Glycosyl Donors. <i>Synlett</i> , 2001, 2001, 0260-0262.	1.8	28
93	The Position of a Key Tyrosine in dTDP-4-Keto-6-deoxy-D-glucose-5-epimerase (EvaD) Alters the Substrate Profile for This RmlC-like Enzyme. <i>Journal of Biological Chemistry</i> , 2004, 279, 32684-32691.	3.4	28
94	Biosynthesis of a Rare Di-N-Acetylated Sugar in the Lipopolysaccharides of both <i>Pseudomonas aeruginosa</i> and <i>Bordetella pertussis</i> Occurs via an Identical Scheme despite Different Gene Clusters. <i>Journal of Bacteriology</i> , 2008, 190, 6060-6069.	2.2	28
95	Sugar-coated sensor chip and nanoparticle surfaces for the in vitro enzymatic synthesis of starch-like materials. <i>Chemical Science</i> , 2014, 5, 341-350.	7.4	28
96	Chemical synthesis of 13C-labelled ganglioside Gb3 trisaccharide from [U-13C]-D-glucose. <i>Tetrahedron</i> , 1998, 54, 9489-9506.	1.9	26
97	Iodine and Its Interhalogen Compounds: Versatile Reagents in Carbohydrate Chemistry V. Synthesis of 1,2-trans-Linked 1-Thioglycosides from the Per-O-acetylated Glycoses. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 693-702.	1.1	26
98	Practical de-O-acylation reactions promoted by molecular sieves. <i>Carbohydrate Research</i> , 2004, 339, 729-732.	2.3	26
99	Proline 4-hydroxylase: Stereochemical course of the reaction. <i>Tetrahedron Letters</i> , 1993, 34, 7489-7492.	1.4	25
100	Substrate specificity of proline-4-hydroxylase: Chemical and enzymatic synthesis of 2S,3R,4S-epoxyproline. <i>Tetrahedron Letters</i> , 1994, 35, 4649-4652.	1.4	25
101	Synthesis and 1H NMR characterization of the six isomeric mono-O-sulfates of 8-methoxycarbonyloct-1-yl O- $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 4)-2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside. <i>Carbohydrate Research</i> , 1995, 276, 347-363.	2.3	25
102	Indirect approach to C-3 branched 1,2-cis-glycofuranosides: synthesis of aceric acid glycoside analogues. <i>Carbohydrate Research</i> , 2008, 343, 211-220.	2.3	25
103	Exploring the Glycans of <i>Euglena gracilis</i> . <i>Biology</i> , 2017, 6, 45.	2.8	25
104	Thio-oligosaccharides of sialic acid – synthesis of an $\alpha$ -(2 $\rightarrow$ 3) sialyl galactoside via a gulofuranose/galactopyranose approach. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1859-1866.	1.3	24
105	Hydrolase and sialyltransferase activities of <i>Trypanosoma cruzi</i> trans-sialidase towards NeuAc- $\alpha$ -2,3-Gal- $\beta$ -O-PNP. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 141-144.	2.2	24
106	Practical synthesis of the 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy- $\beta$ -D-glucosides of Fmoc-serine and Fmoc-threonine and their benzyl esters. <i>Carbohydrate Research</i> , 2003, 338, 1039-1043.	2.3	24
107	Synthesis of the Branched-Chain Sugar Aceric Acid: A Unique Component of the Pectic Polysaccharide Rhamnogalacturonan-II. <i>Journal of Organic Chemistry</i> , 2005, 70, 8556-8559.	3.2	24
108	Chemoenzymatic Synthesis of C6-Modified Sugar Nucleotides To Probe the GDP-d-Mannose Dehydrogenase from <i>Pseudomonas aeruginosa</i> . <i>Organic Letters</i> , 2019, 21, 4415-4419.	4.6	24



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109	Revisiting the Language of Glycoscience: Readers, Writers and Erasers in Carbohydrate Biochemistry. <i>ChemBioChem</i> , 2020, 21, 423-427.	2.6	24
110	Rationalising the effect of reducing agent on the oxazaborolidine-mediated asymmetric reduction of N-substituted imines. <i>Tetrahedron Letters</i> , 2004, 45, 853-855.	1.4	23
111	Synthesis of an apiose-containing disaccharide fragment of rhamnogalacturonan-II and some analogues. <i>Carbohydrate Research</i> , 2004, 339, 21-27.	2.3	23
112	Characterisation of <i>Streptomyces spheroides</i> NovW and revision of its functional assignment to a dTDP-6-deoxy-d-xylo-4-hexulose 3-epimerase. <i>Chemical Communications</i> , 2006, , 1079.	4.1	23
113	Click chemistry oligomerisation of azido-alkyne-functionalised galactose accesses triazole-linked linear oligomers and macrocycles that inhibit <i>Trypanosoma cruzi</i> macrophage invasion. <i>Tetrahedron</i> , 2015, 71, 7344-7353.	1.9	23
114	Synthesis and evaluation of mimetics of UDP and UDP- $\alpha$ -d-galactose, dTDP and dTDP- $\alpha$ -d-glucose with monosaccharides replacing the key pyrophosphate unit. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1109-1115.	2.8	22
115	Characterization of WbpB, WbpE, and WbpD and Reconstitution of a Pathway for the Biosynthesis of UDP-2,3-diacetamido-2,3-dideoxy-d-mannuronic Acid in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 11854-11862.	3.4	22
116	Rational re-design of <i>Lactobacillus reuteri</i> 121 inulosucrase for product chain length control. <i>RSC Advances</i> , 2019, 9, 14957-14965.	3.6	22
117	Identification and biochemical characterization of two novel UDP-2,3-diacetamido-2,3-dideoxy- $\alpha$ -D-glucuronic acid 2-epimerases from respiratory pathogens. <i>Biochemical Journal</i> , 2007, 405, 123-130.	3.7	21
118	Predicting Protein Function from Structure – The Roles of Short-chain Dehydrogenase/Reductase Enzymes in <i>Bordetella</i> O-antigen Biosynthesis. <i>Journal of Molecular Biology</i> , 2007, 374, 749-763.	4.2	21
119	Expression and characterization of $\alpha$ -glucanotransferase genes from <i>Manihot esculenta</i> Crantz and <i>Arabidopsis thaliana</i> and their use for the production of cycloamyloses. <i>Process Biochemistry</i> , 2014, 49, 84-89.	3.7	21
120	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , 2015, 404, 17-25.	2.3	21
121	Characterisation of insoluble $\alpha$ -1,3- $\beta$ -1,6 mixed linkage glucan produced in addition to soluble $\alpha$ -1,6-linked dextran by glucansucrase (DEX-N) from <i>Leuconostoc citreum</i> ABK-1. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 473-482.	7.5	21
122	Differential Toll-Like Receptor-Signalling of <i>Burkholderia pseudomallei</i> Lipopolysaccharide in Murine and Human Models. <i>PLoS ONE</i> , 2015, 10, e0145397.	2.5	20
123	Structural characterisation of the capsular polysaccharide expressed by <i>Burkholderia thailandensis</i> strain E55:: wbil (pKnock-KmR) and assessment of the significance of the 2-O-acetyl group in immune protection. <i>Carbohydrate Research</i> , 2017, 452, 17-24.	2.3	20
124	Isolation and Characterization of a Double Stranded DNA Megavirus Infecting the Toxin-Producing Haptophyte <i>Prymnesium parvum</i> . <i>Viruses</i> , 2017, 9, 40.	3.3	20
125	Temperature-dependent inulin nanoparticles synthesized by <i>Lactobacillus reuteri</i> 121 inulosucrase and complex formation with flavonoids. <i>Carbohydrate Polymers</i> , 2019, 223, 115044.	10.2	20
126	Observations on chemical and enzymatic approaches to $\alpha$ -2,3-sialylated octyl $\beta$ -lactoside. <i>Tetrahedron</i> , 2002, 58, 3207-3216.	1.9	19



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127	The Maltase Involved in Starch Metabolism in Barley Endosperm Is Encoded by a Single Gene. <i>PLoS ONE</i> , 2016, 11, e0151642.	2.5	19
128	The 1.6-Å... resolution crystal structure of NovW: A 4-keto-6-deoxy sugar epimerase from the novobiocin biosynthetic gene cluster of <i>Streptomyces spheroides</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 261-265.	2.6	18
129	Direct oxidation of sugar nucleotides to the corresponding uronic acids: TEMPO and platinum-based procedures. <i>Carbohydrate Research</i> , 2007, 342, 460-466.	2.3	18
130	Structural Dissection of the Maltodextrin Disproportionation Cycle of the Arabidopsis Plastidial Disproportionating Enzyme 1 (DPE1). <i>Journal of Biological Chemistry</i> , 2015, 290, 29834-29853.	3.4	18
131	Chemoenzymatic Synthesis of Fluorinated Cellodextrins Identifies a New Allomorph for Cellulose-Like Materials**. <i>Chemistry - A European Journal</i> , 2021, 27, 1374-1382.	3.3	18
132	Recent advances in enzymatic synthesis of Î²-glucan and cellulose. <i>Carbohydrate Research</i> , 2021, 508, 108411.	2.3	18
133	Conserved Calcium-Binding Residues at the Ca-I Site Involved in Fructooligosaccharide Synthesis by <i>Lactobacillus reuteri</i> 121 Inulosucrase. <i>ACS Omega</i> , 2020, 5, 28001-28011.	3.5	18
134	Application of a Novel Microtitre Plate-Based Assay for the Discovery of New Inhibitors of DNA Gyrase and DNA Topoisomerase VI. <i>PLoS ONE</i> , 2013, 8, e58010.	2.5	18
135	Structure of a glycoconjugate in solution and in complex with an antibody Fv fragment. <i>Glycobiology</i> , 1997, 7, 373-381.	2.5	17
136	Convergent synthesis of a trisaccharide as its 2-(trimethylsilyl)ethyl glycoside related to the flavonoid triglycoside from <i>Gymnema sylvestre</i> . <i>Carbohydrate Research</i> , 2006, 341, 1697-1701.	2.3	17
137	Detection of Transglucosidase-Catalyzed Polysaccharide Synthesis on a Surface in Real Time Using Surface Plasmon Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 15234-15235.	13.7	17
138	Synthesis of a tetrasaccharide related to the repeating unit of the O-antigen from <i>Escherichia coli</i> K-12. <i>Carbohydrate Research</i> , 2009, 344, 2311-2316.	2.3	17
139	Synthesis of apiose-containing oligosaccharide fragments of the plant cell wall: fragments of rhamnogalacturonan-II side chains A and B, and apiogalacturonan. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6670.	2.8	17
140	Underpinning Starch Biology with in vitro Studies on Carbohydrate-Active Enzymes and Biosynthetic Glycomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 136.	4.1	17
141	Profiling of Sugar Nucleotides. <i>Methods in Enzymology</i> , 2017, 597, 209-238.	1.0	17
142	The protosteryl and dammarenyl cation dichotomy in polycyclic triterpene biosynthesis revisited: has this "rule" finally been broken?. <i>Natural Product Reports</i> , 2019, 36, 1044-1052.	10.3	17
143	Characterization of a nanoparticulate exopolysaccharide from <i>Leuconostoc holzapfelii</i> KM01 and its potential application in drug encapsulation. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 690-698.	7.5	17
144	Glycan-Based Flow-Through Device for the Detection of SARS-COV-2. <i>ACS Sensors</i> , 2021, 6, 3696-3705.	7.8	17

#	ARTICLE	IF	CITATIONS
145	An Examination of Some Derivatives of S-Nitroso-1-thiosugars as Vasodilators. <i>Nitric Oxide - Biology and Chemistry</i> , 1997, 1, 211-217.	2.7	16
146	â€ˆTamiGoldâ€™™: phospho-oseltamivir-stabilised gold nanoparticles as the basis for influenza therapeutics and diagnostics targeting the neuraminidase (instead of the hemagglutinin). <i>MedChemComm</i> , 2012, 3, 1373.	3.4	16
147	Insights into toxic <i>Prymnesium parvum</i> blooms: the role of sugars and algal viruses. <i>Biochemical Society Transactions</i> , 2018, 46, 413-421.	3.4	16
148	Unraveling the subtleties of Î²-(1â†’3)-glucan phosphorylase specificity in the GH94, GH149, and GH161 glycoside hydrolase families. <i>Journal of Biological Chemistry</i> , 2019, 294, 6483-6493.	3.4	16
149	Acceptor analogues as potential inhibitors of bovine Î²-1,4-galactosyl transferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 391-394.	2.2	15
150	Lectin and carbohydrate microarrays: New high-throughput methods for glycoprotein, carbohydrate-binding protein and carbohydrate-active enzyme analysis. <i>Journal of Cereal Science</i> , 2009, 50, 306-311.	3.7	15
151	Transâ€šialidase Stimulates <i>Eat Me</i> Response from Epithelial Cells. <i>Traffic</i> , 2013, 14, 853-869.	2.7	15
152	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. <i>Carbohydrate Research</i> , 2017, 438, 26-38.	2.3	15
153	Self-Assembled 2D Glycoclusters for the Targeted Delivery of Theranostic Agents to Triple-Negative Breast Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22181-22187.	8.0	15
154	Alogliptin alleviates liver fibrosis via suppression of activated hepatic stellate cell. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 387-393.	2.1	15
155	Serine-rich repeat protein adhesins from <i>Lactobacillus reuteri</i> display strain specific glycosylation profiles. <i>Glycobiology</i> , 2019, 29, 45-58.	2.5	15
156	Recent advances in nanoparticle-based targeting tactics for antibacterial photodynamic therapy. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1111-1131.	2.9	15
157	Assessing the Toxicity and Mitigating the Impact of Harmful <i>Prymnesium</i> Blooms in Eutrophic Waters of the Norfolk Broads. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16538-16551.	10.0	15
158	Stereospecific synthesis of 5-phospho-Î±-d-arabinosyl-C-phosphonophosphate (pACpp): a stable analogue of the putative mycobacterial cell wall biosynthetic intermediate 5-phospho-d-arabinosyl pyrophosphate (pApp). <i>Tetrahedron Letters</i> , 2001, 42, 2231-2234.	1.4	14
159	Iodine-mediated glycosylation en route to mucin-related glyco-aminoacids and glycopeptides. <i>Carbohydrate Research</i> , 2008, 343, 1830-1834.	2.3	14
160	Chemical synthesis of UDP-Glc-2,3-diNAcA, a key intermediate in cell surface polysaccharide biosynthesis in the human respiratory pathogens <i>B. pertussis</i> and <i>P. aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1203.	2.8	14
161	Chemical and enzymatic synthesis of the alginate sugar nucleotide building block: GDP-d-mannuronic acid. <i>Carbohydrate Research</i> , 2019, 485, 107819.	2.3	14
162	Inhibition of the GDP-Mannose Dehydrogenase from <i>Pseudomonas aeruginosa</i> Using Targeted Sugar Nucleotide Probes. <i>ACS Chemical Biology</i> , 2020, 15, 3086-3092.	3.4	14

#	ARTICLE	IF	CITATIONS
163	Lipopolysaccharide associated with $\beta$ -2,6 fructan mediates TLR4-dependent immunomodulatory activity in vitro. Carbohydrate Polymers, 2022, 277, 118606.	10.2	14
164	Tyl1a, a TDP-6-deoxy-D-xylotrihexulose 3,4-isomerase from <i>Streptomyces fradiae</i> : Structure Prediction, Mutagenesis and Solvent Isotope Incorporation Experiments to Investigate Reaction Mechanism. ChemBioChem, 2008, 9, 1295-1302.	2.6	13
165	An expression system for screening of proteins for glycan and protein interactions. Analytical Biochemistry, 2011, 411, 261-270.	2.4	13
166	An expedient enzymatic route to isomeric 2-, 3- and 6-monodeoxy-monofluoro-maltose derivatives. Carbohydrate Research, 2012, 358, 12-18.	2.3	13
167	Gene Discovery for Synthetic Biology. Methods in Enzymology, 2016, 576, 99-120.	1.0	13
168	Glucose-1-phosphate uridylyltransferase from <i>Erwinia amylovora</i> : Activity, structure and substrate specificity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1348-1357.	2.3	13
169	Unravelling the Specificity of Laminaribiose Phosphorylase from <i>Paenibacillus</i> sp. YM1 towards Donor Substrates Glucose/Mannose 1-Phosphate by Using X-ray Crystallography and Saturation Transfer Difference NMR Spectroscopy. ChemBioChem, 2019, 20, 181-192.	2.6	13
170	The structure of a GH149 $\beta$ (1 $\rightarrow$ 3) glucan phosphorylase reveals a new surface oligosaccharide binding site and additional domains that are absent in the disaccharide-specific GH94 glucose $\beta$ (1 $\rightarrow$ 3) glucosylase (laminaribiose) phosphorylase. Proteins: Structure, Function and Bioinformatics, 2019, 87, 885-892.	2.6	13
171	Comparison of the Levansucrase from the epiphyte <i>Erwinia tasmaniensis</i> vs its homologue from the phytopathogen <i>Erwinia amylovora</i> . International Journal of Biological Macromolecules, 2019, 127, 496-501.	7.5	13
172	Theoretical and experimental approaches to understand the biosynthesis of starch granules in a physiological context. Photosynthesis Research, 2020, 145, 55-70.	2.9	13
173	The Interaction of Anhydroalditols with Sweet-Almond $\beta$ -glucosidase and <i>Escherichia coli</i> $\beta$ -galactosidase: implications for the design of potent glycosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 1991, 1, 667-672.	2.2	12
174	Enzymatic liberation of lycotetraose from the Solanum glycoalkaloid $\beta$ -tomatine. Carbohydrate Research, 2004, 339, 2325-2328.	2.3	12
175	Developing an asymmetric, stereodivergent route to selected 6-deoxy-6-fluoro-hexoses. Organic and Biomolecular Chemistry, 2009, 7, 996.	2.8	12
176	Challenging reaction equilibria. Nature Chemical Biology, 2011, 7, 658-659.	8.0	12
177	Identification of a Kdn biosynthesis pathway in the haptophyte <i>Prymnesium parvum</i> suggests widespread sialic acid biosynthesis among microalgae. Journal of Biological Chemistry, 2018, 293, 16277-16290.	3.4	12
178	Structural and functional analyses of glycoside hydrolase 138 enzymes targeting chain A galacturonic acid in the complex pectin rhamnogalacturonan II. Journal of Biological Chemistry, 2019, 294, 7711-7721.	3.4	12
179	Exchange of the valine 2-H in the biosynthesis of L- $\beta$ -( $\beta$ -aminoadipoyl)-L-Cysteinyl-D-valine. Tetrahedron, 1993, 49, 3221-3226.	1.9	11
180	Hydrophobic mannosides act as acceptors for trypanosome $\beta$ -mannosyltransferases. Glycobiology, 1997, 7, 549-558.	2.5	11

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181	Base-modified NAD and AMP derivatives and their activity against bacterial DNA ligases. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6380-6398.	2.8	11
182	Discovery of an RmlC/D fusion protein in the microalga <i>Prymnesium parvum</i> and its implications for NDP- $\beta$ -l-rhamnose biosynthesis in microalgae. <i>Journal of Biological Chemistry</i> , 2019, 294, 9172-9185.	3.4	11
183	Recent Developments in the Use of Glyconanoparticles and Related Quantum Dots for the Detection of Lectins, Viruses, Bacteria and Cancer Cells. <i>Frontiers in Chemistry</i> , 2021, 9, 668509.	3.6	11
184	Synthesis of l-arabinose-containing fragments of the oat root saponin Avenacin A-1. <i>Carbohydrate Research</i> , 2004, 339, 1285-1291.	2.3	10
185	Glycosylation with in situ separation: carbohydrate chemistry on a TLC plate. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3468.	2.8	10
186	Detection of mSiglec-E, in solution and expressed on the surface of Chinese hamster ovary cells, using sialic acid functionalised gold nanoparticles. <i>Analyst</i> , 2016, 141, 5799-5809.	3.5	10
187	CuAAC click chemistry for the enhanced detection of novel alkyne-based natural product toxins. <i>Chemical Communications</i> , 2018, 54, 12234-12237.	4.1	10
188	Lateral Flow Glycoassays for the Rapid and Low-Cost Detection of Lectins: Polymeric Linkers and Particle Engineering Are Essential for Selectivity and Performance. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101784.	7.6	10
189	Exploiting an aromatic aglycone as a reporter of glycosylation stereochemistry in the synthesis of 1,6-linked maltooligosaccharides. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 477-485.	1.8	9
190	Modified properties of alternan polymers arising from deletion of SH3-like motifs in <i>Leuconostoc citreum</i> ABK-1 alternansucrase. <i>Carbohydrate Polymers</i> , 2019, 220, 103-109.	10.2	9
191	Preparative and Kinetic Analysis of $\beta$ -1,4- and $\beta$ -1,3-Glucan Phosphorylases Informs Access to Human Milk Oligosaccharide Fragments and Analogues Thereof. <i>ChemBioChem</i> , 2020, 21, 1043-1049.	2.6	9
192	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
193	Efficient synthesis of methyl lycotetraoside, the tetrasaccharide constituent of the tomato defence glycoalkaloid $\pm$ -tomatine. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3201.	2.8	8
194	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylantranilate. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4762-4767.	3.0	8
195	Analysis of Surface Binding Sites (SBS) within GH62, GH13, and GH77. <i>Journal of Applied Glycoscience (1999)</i> , 2015, 62, 87-93.	0.7	8
196	CuAAC click chemistry with N-propargyl 1,5-dideoxy-1,5-imino-D-gulitol and N-propargyl 1,6-dideoxy-1,6-imino-D-mannitol provides access to triazole-linked piperidine and azepane pseudo-disaccharide iminosugars displaying glycosidase inhibitory properties. <i>Carbohydrate Research</i> , 2016, 429, 29-37.	2.3	8
197	Iminosugar inhibitors of carbohydrate-active enzymes that underpin cereal grain germination and endosperm metabolism. <i>Biochemical Society Transactions</i> , 2016, 44, 159-165.	3.4	8
198	Preparation of Cross-Linked Enzyme Aggregates (CLEAs) of an Inulosucrase Mutant for the Enzymatic Synthesis of Inulin-Type Fructooligosaccharides. <i>Catalysts</i> , 2019, 9, 641.	3.5	8

#	ARTICLE	IF	CITATIONS
199	Prospects for anti-Candida therapy through targeting the cell wall: A mini-review. <i>Cell Surface</i> , 2021, 7, 100063.	3.0	8
200	Studies on the exchange of valine-oxygen during the biosynthesis of Î±-(L-Î±-Aminoamidopyl)-L-cysteinyl-D-valine.. <i>Tetrahedron</i> , 1992, 48, 1099-1108.	1.9	7
201	A synthetic acceptor substrate for <i>Trypanosoma brucei</i> UDP-Gal: GPI anchor side-chain Î±-galactosyltransferases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 2051-2054.	2.2	7
202	Adaptation of an NMR signal suppression pulse sequence for the selective removal of benzylic methylene signals of benzyl ether-protected carbohydrates. <i>Tetrahedron Letters</i> , 1999, 40, 2025-2028.	1.4	7
203	2,3,4,6-Tetra- <i>O</i> -acetyl-Î±-D-glucopyranosyl azide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o445-o446.	0.4	7
204	Synthesis of prospective disaccharide ligands for <i>Escherichia coli</i> O157 verotoxin. <i>Tetrahedron Letters</i> , 2009, 50, 3397-3399.	1.4	7
205	Membrane-enclosed multienzyme (MEME) synthesis of 2,7-anhydro-sialic acid derivatives. <i>Carbohydrate Research</i> , 2017, 451, 110-117.	2.3	7
206	Heterologous co-expression in <i>E. coli</i> of isoamylase genes from cassava <i>Manihot esculenta</i> Crantz â€KU50â€™ achieves enzyme-active heteromeric complex formation. <i>Plant Molecular Biology</i> , 2018, 96, 417-427.	3.9	7
207	Fluorescence imaging of a potential diagnostic biomarker for breast cancer cells using a peptide-functionalized fluorogenic 2D material. <i>Chemical Communications</i> , 2019, 55, 13235-13238.	4.1	7
208	Biochemical Basis of Xylooligosaccharide Utilisation by Gut Bacteria. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2992.	4.1	7
209	Synthesis and Activation of Carbohydrate Donors: Thioglycosides and Sulfoxides. , 2003, , 121-145.		6
210	Oligosaccharide Signalling Molecules. , 2009, , 349-359.		6
211	Synthesis of fluorescently labelled rhamnosides: probes for the evaluation of rhamnogalacturonan II biosynthetic enzymes. <i>Carbohydrate Research</i> , 2011, 346, 1617-1621.	2.3	6
212	The impact of aminopyrene trisulfonate (APTS) label in acceptor glycan substrates for profiling plant pectin Î²-galactosyltransferase activities. <i>Carbohydrate Research</i> , 2016, 433, 97-105.	2.3	6
213	Cluster glycosides and heteroglycocusters presented in alternative arrangements. <i>Tetrahedron Letters</i> , 2018, 59, 4405-4409.	1.4	6
214	Molecular recognition of natural and non-natural substrates by cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> investigated by NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2021, 27, 15688-15698.	3.3	6
215	96 On the role of manganese cation in the mechanism of Î±-1,3-fucosyltransferase. <i>Biochemical Society Transactions</i> , 1997, 25, S630-S630.	3.4	5
216	Synthesis of Mucin Glycans from the Protozoon Parasite <i>Trypanosoma cruzi</i> . <i>Synlett</i> , 2008, 2008, 2175-2177.	1.8	5

#	ARTICLE	IF	CITATIONS
217	End-Functionalized Poly(vinylpyrrolidone) for Ligand Display in Lateral Flow Device Test Lines. ACS Polymers Au, 2022, 2, 69-79.	4.1	5
218	A comparison by magnetic circular dichroism of compound X and compound II of horseradish peroxidase. FEBS Letters, 1987, 214, 347-350.	2.8	4
219	Exchange of valine-oxygen during the biosynthesis of $\hat{\nu}$ -(L- $\hat{\nu}$ -aminoadipoyl)-L-cysteinyl-D-valine. Journal of the Chemical Society Chemical Communications, 1991, .	2.0	4
220	Plant Cell Wall Glycans: Chemical Synthesis of the Branched Sugar Aceric Acid. ACS Symposium Series, 2007, , 34-49.	0.5	4
221	Synthesis and anti-HIV activity of triterpene 3-O-galactopyranosides, analogs of glycyrrhizic acid. Chemistry of Natural Compounds, 2010, 46, 576-582.	0.8	4
222	Detection of enzyme-catalyzed polysaccharide synthesis on surfaces. Biocatalysis and Biotransformation, 2010, 28, 64-71.	2.0	4
223	Synthesis of glyceryl glycosides related to A-type prymnesin toxins. Carbohydrate Research, 2018, 463, 14-23.	2.3	4
224	Structural and functional analysis of Erwinia amylovora SrlD. The first crystal structure of a sorbitol-6-phosphate 2-dehydrogenase. Journal of Structural Biology, 2018, 203, 109-119.	2.8	4
225	A chemical genetic screen reveals that iminosugar inhibitors of plant glucosylceramide synthase inhibit root growth in Arabidopsis and cereals. Scientific Reports, 2018, 8, 16421.	3.3	4
226	Ascertaining the biochemical function of an essential pectin methylesterase in the gut microbe Bacteroides thetaiotaomicron. Journal of Biological Chemistry, 2020, 295, 18625-18637.	3.4	4
227	Postsynthesis Self- And Coassembly of Enzymatically Produced Fluorinated Cellodextrins and Cellulose Nanocrystals. Langmuir, 2021, 37, 9215-9221.	3.5	4
228	Overexpression, purification, crystallization and data collection on the Bordetella pertussis wlbD gene product, a putative UDP-GlcNAc 2-epimerase. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1310-1312.	2.5	3
229	A sugar aminoacid for the development of multivalent ligands for Escherichia coli O157 verotoxin. Tetrahedron: Asymmetry, 2009, 20, 730-732.	1.8	3
230	Exploring anomeric glycosylation of phosphoric acid: Optimisation and scope for non-native substrates. Carbohydrate Research, 2020, 488, 107896.	2.3	3
231	Contemporary glycoconjugation chemistry. Carbohydrate Chemistry, 0, , 1-46.	0.3	3
232	Sweet targets: sugar nucleotide biosynthesis inhibitors. Future Medicinal Chemistry, 2022, 14, 295-298.	2.3	3
233	Levan-type fructooligosaccharides synthesis by novel levansucrase-inulosucrase fusion enzyme. Biochemical Engineering Journal, 2022, 185, 108524.	3.6	3
234	Phenotypic Screens with Model Organisms. , 2012, , 121-136.		2



#	ARTICLE	IF	CITATIONS
235	Biochemical and Structural Analysis of the Role of the Wlb Gene Locus in Bordetella Pertussis Lipopolysaccharide Biosynthesis. Scientific World Journal, The, 2002, 2, 55-56.	2.1	1
236	Synthetic Glycans, Glycoarrays, and Glyconanoparticles To Investigate Host Infection by <i>Trypanosoma cruzi</i> . ACS Symposium Series, 2011, , 143-159.	0.5	1
237	Cloning of the full-length isoamylase3 gene from cassava Manihot esculenta Crantz and its heterologous expression in E. coli. Plant Physiology and Biochemistry, 2018, 132, 281-286.	5.8	1
238	High-Throughput In Vitro Screening for Inhibitors of Cereal $\alpha$ -Glucosidase. Methods in Molecular Biology, 2018, 1795, 101-115.	0.9	1
239	Self-Assembled Thin-Layer Glycomaterials With a Proper Shell Thickness for Targeted and Activatable Cell Imaging. Frontiers in Chemistry, 2019, 7, 294.	3.6	1
240	Iodine, a versatile reagent in carbohydrate chemistry. Advances in Sulfur Chemistry, 2000, , 37-56.	0.0	1
241	Anomeric 1,2,3-triazole-linked sialic acid derivatives show selective inhibition towards a bacterial neuraminidase over a trypanosome <i>trans</i> -sialidase. Beilstein Journal of Organic Chemistry, 2022, 18, 208-216.	2.2	1
242	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . Angewandte Chemie, 2022, 134, .	2.0	1
243	Spinning sugars in antigen biosynthesis: characterization of the Coxiella burnetii and Streptomyces griseus TDP-sugar epimerases. Journal of Biological Chemistry, 2022, , 101903.	3.4	1
244	Amino alditols as inhibitors of mycobacterial cell wall biosynthesis. Biochemical Society Transactions, 2002, 30, A27-A27.	3.4	0
245	A Convenient Synthesis of Chiral Nonracemic Vinyl Aziridines.. ChemInform, 2004, 35, no.	0.0	0
246	Peracetylated $\alpha$ -D-glucopyranosyl fluoride and peracetylated $\alpha$ -maltosyl fluoride. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o124-o127.	0.4	0
247	Blocking bacterial defences. Nature Chemistry, 2013, 5, 642-643.	13.6	0
248	Glycosyltransferases from oat (Avena) implicated in the acylation of avenacins.. Journal of Biological Chemistry, 2013, 288, 19644.	3.4	0
249	New Investigators in Glycoscience 2. Carbohydrate Research, 2017, 445, 117-122.	2.3	0
250	New investigators in glycoscience. Carbohydrate Research, 2017, 438, 65-66.	2.3	0
251	Small molecule inhibitors to dissect starch degradation during cereal germination. CFW Plexus, 2012, , .	0.0	0