

Robert A Field

List of Publications by Year in descending order

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251
papers

9,822
citations

44444

50
h-index

60403

85
g-index

281
all docs

281
docs citations

281
times ranked

12048
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipopolysaccharide associated with Î²-2,6 fructan mediates TLR4-dependent immunomodulatory activity in vitro. Carbohydrate Polymers, 2022, 277, 118606.	5.1	14
2	Lateral Flow Glycoassays for the Rapid and Low-Cost Detection of Lectins—Polymeric Linkers and Particle Engineering Are Essential for Selectivity and Performance. Advanced Healthcare Materials, 2022, 11, e2101784.	3.9	10
3	End-Functionalized Poly(vinylpyrrolidone) for Ligand Display in Lateral Flow Device Test Lines. ACS Polymers Au, 2022, 2, 69-79.	1.7	5
4	Sweet targets: sugar nucleotide biosynthesis inhibitors. Future Medicinal Chemistry, 2022, 14, 295-298.	1.1	3
5	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.	1.3	1
6	Biochemical Basis of Xylooligosaccharide Utilisation by Gut Bacteria. International Journal of Molecular Sciences, 2022, 23, 2992.	1.8	7
7	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
8	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . Angewandte Chemie, 2022, 134, .	1.6	1
9	Spinning sugars in antigen biosynthesis: characterization of the <i>Coxiella burnetii</i> and <i>Streptomyces griseus</i> TDP-sugar epimerases. Journal of Biological Chemistry, 2022, , 101903.	1.6	1
10	Recent advances in nanoparticle-based targeting tactics for antibacterial photodynamic therapy. Photochemical and Photobiological Sciences, 2022, 21, 1111-1131.	1.6	15
11	Levan-type fructooligosaccharides synthesis by novel levansucrase-inulosucrase fusion enzyme. Biochemical Engineering Journal, 2022, 185, 108524.	1.8	3
12	Chemoenzymatic Synthesis of Fluorinated Cellodextrins Identifies a New Allomorph for Cellulose-Like Materials**. Chemistry - A European Journal, 2021, 27, 1374-1382.	1.7	18
13	Recent Developments in the Use of Glyconanoparticles and Related Quantum Dots for the Detection of Lectins, Viruses, Bacteria and Cancer Cells. Frontiers in Chemistry, 2021, 9, 668509.	1.8	11
14	Postsynthesis Self- And Coassembly of Enzymatically Produced Fluorinated Cellodextrins and Cellulose Nanocrystals. Langmuir, 2021, 37, 9215-9221.	1.6	4
15	Molecular recognition of natural and non-natural substrates by cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> investigated by NMR spectroscopy. Chemistry - A European Journal, 2021, 27, 15688-15698.	1.7	6
16	Characterization of a nanoparticulate exopolysaccharide from <i>Leuconostoc holzapfelii</i> KM01 and its potential application in drug encapsulation. International Journal of Biological Macromolecules, 2021, 187, 690-698.	3.6	17
17	Recent advances in enzymatic synthesis of Î²-glucan and cellulose. Carbohydrate Research, 2021, 508, 108411.	1.1	18
18	Glycan-Based Flow-Through Device for the Detection of SARS-COV-2. ACS Sensors, 2021, 6, 3696-3705.	4.0	17

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19	Prospects for anti-Candida therapy through targeting the cell wall: A mini-review. <i>Cell Surface</i> , 2021, 7, 100063.	1.5	8
20	Assessing the Toxicity and Mitigating the Impact of Harmful <i>Prymnesium</i> Blooms in Eutrophic Waters of the Norfolk Broads. <i>Environmental Science & Technology</i> , 2021, 55, 16538-16551.	4.6	15
21	Revisiting the Language of Glycoscience: Readers, Writers and Erasers in Carbohydrate Biochemistry. <i>ChemBioChem</i> , 2020, 21, 423-427.	1.3	24
22	Preparative and Kinetic Analysis of α -1,4- and α -1,3-Glucan Phosphorylases Informs Access to Human Milk Oligosaccharide Fragments and Analogues Thereof. <i>ChemBioChem</i> , 2020, 21, 1043-1049.	1.3	9
23	Exploring anomeric glycosylation of phosphoric acid: Optimisation and scope for non-native substrates. <i>Carbohydrate Research</i> , 2020, 488, 107896.	1.1	3
24	Inhibition of the GDP-d-Mannose Dehydrogenase from <i>Pseudomonas aeruginosa</i> Using Targeted Sugar Nucleotide Probes. <i>ACS Chemical Biology</i> , 2020, 15, 3086-3092.	1.6	14
25	Ascertaining the biochemical function of an essential pectin methyltransferase in the gut microbe <i>Bacteroides thetaiotaomicron</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 18625-18637.	1.6	4
26	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.	5.3	222
27	Characterisation of insoluble α -1,3- β -1,6 mixed linkage glucan produced in addition to soluble α -1,6-linked dextran by glucanase (DEX-N) from <i>Leuconostoc citreum</i> ABK-1. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 473-482.	3.6	21
28	Theoretical and experimental approaches to understand the biosynthesis of starch granules in a physiological context. <i>Photosynthesis Research</i> , 2020, 145, 55-70.	1.6	13
29	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.	1.6	18
30	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. <i>ChemBioChem</i> , 2019, 20, 181-192.	1.3	13
31	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.	1.6	8
32	Temperature-dependent inulin nanoparticles synthesized by <i>Lactobacillus reuteri</i> 121 inulosucrase and complex formation with flavonoids. <i>Carbohydrate Polymers</i> , 2019, 223, 115044.	5.1	20
33	Chemical and enzymatic synthesis of the alginate sugar nucleotide building block: GDP-d-mannuronic acid. <i>Carbohydrate Research</i> , 2019, 485, 107819.	1.1	14
34	Discovery of an RmlC/D fusion protein in the microalga <i>Prymnesium parvum</i> and its implications for NDP- β -D-rhamnose biosynthesis in microalgae. <i>Journal of Biological Chemistry</i> , 2019, 294, 9172-9185.	1.6	11
35	The structure of a GH149 α -1,3-glucan phosphorylase reveals a new surface oligosaccharide binding site and additional domains that are absent in the disaccharide-specific GH94 glucose α -1,3-glucosyltransferase (laminaribiose) phosphorylase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 885-892.		13
36	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.	2.4	24

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37	Self-Assembled 2D Glycoclusters for the Targeted Delivery of Theranostic Agents to Triple-Negative Breast Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22181-22187.	4.0	15
38	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.	5.1	9
39	Self-Assembled Thin-Layer Glycomaterials With a Proper Shell Thickness for Targeted and Activatable Cell Imaging. <i>Frontiers in Chemistry</i> , 2019, 7, 294.	1.8	1
40	Rational re-design of <i>Lactobacillus reuteri</i> 121 inulosucrase for product chain length control. <i>RSC Advances</i> , 2019, 9, 14957-14965.	1.7	22
41	Structural and functional analyses of glycoside hydrolase 138 enzymes targeting chain A galacturonic acid in the complex pectin rhamnogalacturonan II. <i>Journal of Biological Chemistry</i> , 2019, 294, 7711-7721.	1.6	12
42	Unraveling the subtleties of Î ² -(1â ³)-glucan phosphorylase specificity in the GH94, GH149, and GH161 glycoside hydrolase families. <i>Journal of Biological Chemistry</i> , 2019, 294, 6483-6493.	1.6	16
43	Alogliptin alleviates liver fibrosis via suppression of activated hepatic stellate cell. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 387-393.	1.0	15
44	The protosteryl and dammarenyl cation dichotomy in polycyclic triterpene biosynthesis revisited: has this â€™ finally been broken?. <i>Natural Product Reports</i> , 2019, 36, 1044-1052.	5.2	17
45	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.	2.2	7
46	Serine-rich repeat protein adhesins from <i>Lactobacillus reuteri</i> display strain specific glycosylation profiles. <i>Glycobiology</i> , 2019, 29, 45-58.	1.3	15
47	Comparison of the Levansucrase from the epiphyte <i>Erwinia tasmaniensis</i> vs its homologue from the phytopathogen <i>Erwinia amylovora</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 127, 496-501.	3.6	13
48	Synthesis of glyceryl glycosides related to A-type prymnesin toxins. <i>Carbohydrate Research</i> , 2018, 463, 14-23.	1.1	4
49	Heterologous co-expression in <i>E. coli</i> of isoamylase genes from cassava <i>Manihot esculenta</i> Crantz â€™ achieves enzyme-active heteromeric complex formation. <i>Plant Molecular Biology</i> , 2018, 96, 417-427.	2.0	7
50	Identification of <i>Euglena gracilis</i> Î ² -1,3-glucan phosphorylase and establishment of a new glycoside hydrolase (GH) family GH149. <i>Journal of Biological Chemistry</i> , 2018, 293, 2865-2876.	1.6	31
51	Structural and functional analysis of <i>Erwinia amylovora</i> SrlD. The first crystal structure of a sorbitol-6-phosphate 2-dehydrogenase. <i>Journal of Structural Biology</i> , 2018, 203, 109-119.	1.3	4
52	Insights into toxic <i>Prymnesium parvum</i> blooms: the role of sugars and algal viruses. <i>Biochemical Society Transactions</i> , 2018, 46, 413-421.	1.6	16
53	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.	5.0	99
54	CuAAC click chemistry for the enhanced detection of novel alkyne-based natural product toxins. <i>Chemical Communications</i> , 2018, 54, 12234-12237.	2.2	10

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55	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.	3.1	43
56	A chemical genetic screen reveals that iminosugar inhibitors of plant glucosylceramide synthase inhibit root growth in <i>Arabidopsis</i> and cereals. <i>Scientific Reports</i> , 2018, 8, 16421.	1.6	4
57	Cluster glycosides and heteroglycoclusters presented in alternative arrangements. <i>Tetrahedron Letters</i> , 2018, 59, 4405-4409.	0.7	6
58	Identification of a Kdn biosynthesis pathway in the haptophyte <i>Prymnesium parvum</i> suggests widespread sialic acid biosynthesis among microalgae. <i>Journal of Biological Chemistry</i> , 2018, 293, 16277-16290.	1.6	12
59	Cloning of the full-length isoamylase3 gene from cassava <i>Manihot esculenta</i> Crantz and its heterologous expression in <i>E. coli</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 132, 281-286.	2.8	1
60	High-Throughput In Vitro Screening for Inhibitors of Cereal α -Glucosidase. <i>Methods in Molecular Biology</i> , 2018, 1795, 101-115.	0.4	1
61	Glycans as Modulators of Plant Defense Against Filamentous Pathogens. <i>Frontiers in Plant Science</i> , 2018, 9, 928.	1.7	50
62	An α -1,6- and α -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.	1.6	39
63	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.	1.1	15
64	New Investigators in Glycoscience 2. <i>Carbohydrate Research</i> , 2017, 445, 117-122.	1.1	0
65	Identification and evolution of a plant cell wall specific glycoprotein glycosyl transferase, ExAD. <i>Scientific Reports</i> , 2017, 7, 45341.	1.6	29
66	Complex pectin metabolism by gut bacteria reveals novel catalytic functions. <i>Nature</i> , 2017, 544, 65-70.	13.7	447
67	New investigators in glycoscience. <i>Carbohydrate Research</i> , 2017, 438, 65-66.	1.1	0
68	Structural characterisation of the capsular polysaccharide expressed by <i>Burkholderia thailandensis</i> strain E555:: 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.	1.1	20
69	Membrane-enclosed multienzyme (MEME) synthesis of 2,7-anhydro-sialic acid derivatives. <i>Carbohydrate Research</i> , 2017, 451, 110-117.	1.1	7
70	Glucose-1-phosphate uridylyltransferase from <i>Erwinia amylovora</i> : Activity, structure and substrate specificity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1348-1357.	1.1	13
71	Cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> : X-ray crystal structure and substrate specificity analysis. <i>Carbohydrate Research</i> , 2017, 451, 118-132.	1.1	33
72	Isolation and Characterization of a Double Stranded DNA Megavirus Infecting the Toxin-Producing Haptophyte <i>Prymnesium parvum</i> . <i>Viruses</i> , 2017, 9, 40.	1.5	20

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73	Profiling of Sugar Nucleotides. <i>Methods in Enzymology</i> , 2017, 597, 209-238.	0.4	17
74	Glycan Phosphorylases in Multi-Enzyme Synthetic Processes. <i>Protein and Peptide Letters</i> , 2017, 24, 696-709.	0.4	31
75	Exploring the Glycans of <i>Euglena gracilis</i> . <i>Biology</i> , 2017, 6, 45.	1.3	25
76	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.	1.6	55
77	Carbohydrate CuAAC click chemistry for therapy and diagnosis. <i>Carbohydrate Research</i> , 2016, 429, 1-22.	1.1	109
78	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.	1.1	8
79	Iminosugar inhibitors of carbohydrate-active enzymes that underpin cereal grain germination and endosperm metabolism. <i>Biochemical Society Transactions</i> , 2016, 44, 159-165.	1.6	8
80	Gene Discovery for Synthetic Biology. <i>Methods in Enzymology</i> , 2016, 576, 99-120.	0.4	13
81	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.	1.7	10
82	The impact of aminopyrene trisulfonate (APTS) label in acceptor glycan substrates for profiling plant pectin β -galactosyltransferase activities. <i>Carbohydrate Research</i> , 2016, 433, 97-105.	1.1	6
83	Cell wall degradation is required for normal starch mobilisation in barley endosperm. <i>Scientific Reports</i> , 2016, 6, 33215.	1.6	40
84	The Maltase Involved in Starch Metabolism in Barley Endosperm Is Encoded by a Single Gene. <i>PLoS ONE</i> , 2016, 11, e0151642.	1.1	19
85	Crystal structure of a novel two domain GH78 family α -D-glucosaminidase from <i>Klebsiella oxytoca</i> with rhamnose bound. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1742-1749.	1.5	32
86	Standards for plant synthetic biology: a common syntax for exchange of DNA parts. <i>New Phytologist</i> , 2015, 208, 13-19.	3.5	263
87	Underpinning Starch Biology with in vitro Studies on Carbohydrate-Active Enzymes and Biosynthetic Glycomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 136.	2.0	17
88	Differential Toll-Like Receptor-Signalling of <i>Burkholderia pseudomallei</i> Lipopolysaccharide in Murine and Human Models. <i>PLoS ONE</i> , 2015, 10, e0145397.	1.1	20
89	Analysis of Surface Binding Sites (SBS) within GH62, GH13, and GH77. <i>Journal of Applied Glycoscience</i> (1999), 2015, 62, 87-93.	0.3	8
90	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , 2015, 404, 17-25.	1.1	21

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91	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.	1.0	23
92	Base-modified NAD and AMP derivatives and their activity against bacterial DNA ligases. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6380-6398.	1.5	11
93	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.	1.6	18
94	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
95	<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
96	Enzymatic synthesis using glycoside phosphorylases. <i>Carbohydrate Research</i> , 2015, 403, 23-37.	1.1	89
97	Glyconanoparticles for colorimetric bioassays. <i>Analyst</i> , 2015, 140, 59-70.	1.7	41
98	Expression and characterization of 4- β -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.	1.8	21
99	Discrimination of epimeric glycans and glycopeptides using IM-MS and its potential for carbohydrate sequencing. <i>Nature Chemistry</i> , 2014, 6, 65-74.	6.6	171
100	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.	3.7	28
101	Analysis of surface binding sites (SBSs) in carbohydrate active enzymes with focus on glycoside hydrolase families 13 and 77 – a mini-review. <i>Biologia (Poland)</i> , 2014, 69, 705-712.	0.8	55
102	Blocking bacterial defences. <i>Nature Chemistry</i> , 2013, 5, 642-643.	6.6	0
103	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylantranilate. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4762-4767.	1.4	8
104	Allosteric Competitive Inhibitors of the Glucose-1-phosphate Thymidyltransferase (RmlA) from <i>Pseudomonas aeruginosa</i> . <i>ACS Chemical Biology</i> , 2013, 8, 387-396.	1.6	39
105	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.	2.4	45
106	Glyconanoparticles for the plasmonic detection and discrimination between human and avian influenza virus. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7101.	1.5	98
107	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.	6.2	41
108	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.	1.6	34

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109	Glycosyltransferases from oat (<i>Avena</i>) implicated in the acylation of avenacins.. <i>Journal of Biological Chemistry</i> , 2013, 288, 19644.	1.6	0
110	Glycosyltransferases from Oat (<i>Avena</i>) Implicated in the Acylation of Avenacins. <i>Journal of Biological Chemistry</i> , 2013, 288, 3696-3704.	1.6	35
111	Trans- α -Sialidase Stimulates <i>Eat Me</i> Response from Epithelial Cells. <i>Traffic</i> , 2013, 14, 853-869.	1.3	15
112	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.	1.1	18
113	Phenotypic Screens with Model Organisms. , 2012, , 121-136.		2
114	Versatile High Resolution Oligosaccharide Microarrays for Plant Glycobiology and Cell Wall Research. <i>Journal of Biological Chemistry</i> , 2012, 287, 39429-39438.	1.6	207
115	An expedient enzymatic route to isomeric 2-, 3- and 6-monodeoxy-monofluoro-maltose derivatives. <i>Carbohydrate Research</i> , 2012, 358, 12-18.	1.1	13
116	α -TamiGold™: 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.	3.5	16
117	Small molecule inhibitors to dissect starch degradation during cereal germination. <i>CFW Plexus</i> , 2012, , .	0.0	0
118	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.	3.7	42
119	The saponins α -polar isoprenoids with important and diverse biological activities. <i>Natural Product Reports</i> , 2011, 28, 1261.	5.2	231
120	Chemical genetics and cereal starch metabolism: structural basis of the non-covalent and covalent inhibition of barley β -amylase. <i>Molecular BioSystems</i> , 2011, 7, 718-730.	2.9	38
121	Challenging reaction equilibria. <i>Nature Chemical Biology</i> , 2011, 7, 658-659.	3.9	12
122	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.	1.5	17
123	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.	1.5	31
124	Synthesis of fluorescently labelled rhamnosides: probes for the evaluation of rhamnogalacturonan II biosynthetic enzymes. <i>Carbohydrate Research</i> , 2011, 346, 1617-1621.	1.1	6
125	Glycoclusters presenting lactose on calix[4]arene cores display trypanocidal activity. <i>Tetrahedron</i> , 2011, 67, 5902-5912.	1.0	36
126	An expression system for screening of proteins for glycan and protein interactions. <i>Analytical Biochemistry</i> , 2011, 411, 261-270.	1.1	13

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127	Synthetic Glycans, Glycoarrays, and Glyconanoparticles To Investigate Host Infection by <i>Trypanosoma cruzi</i> . ACS Symposium Series, 2011, , 143-159.	0.5	1
128	Structure of Streptomyces Maltosyltransferase GlgE, a Homologue of a Genetically Validated Anti-tuberculosis Target*. Journal of Biological Chemistry, 2011, 286, 38298-38310.	1.6	49
129	The Role of Î±-Glucosidase in Germinating Barley Grains. Plant Physiology, 2011, 155, 932-943.	2.3	70
130	Cyclooligomerisation of azido-alkyne-functionalised sugars: synthesis of 1,6-linked cyclic pseudo-galactooligosaccharides and assessment of their sialylation by Trypanosoma cruzi trans-sialidase. Chemical Science, 2010, 1, 507.	3.7	57
131	Application of copper(I)-catalysed azide/alkyne cycloaddition (CuAAC) "click chemistry"™ in carbohydrate drug and neoglycopolymer synthesis. Tetrahedron, 2010, 66, 9475-9492.	1.0	194
132	Synthesis and anti-HIV activity of triterpene 3-O-galactopyranosides, analogs of glycyrrhizic acid. Chemistry of Natural Compounds, 2010, 46, 576-582.	0.2	4
133	Synthesis of Î±- and Î²-d-glucopyranosyl triazoles by CuAAC "click chemistry"™: reactant tolerance, reaction rate, product structure and glucosidase inhibitory properties. Carbohydrate Research, 2010, 345, 1123-1134.	1.1	90
134	"Click chemistry"™ synthesis of a library of 1,2,3-triazole-substituted galactose derivatives and their evaluation against Trypanosoma cruzi and its cell surface trans-sialidase. Bioorganic and Medicinal Chemistry, 2010, 18, 2412-2427.	1.4	126
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136	Detection of enzyme-catalyzed polysaccharide synthesis on surfaces. Biocatalysis and Biotransformation, 2010, 28, 64-71.	1.1	4
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