

Antony Fairbanks

List of Publications by Year in descending order

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158
papers

4,377
citations

87888

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161849

54
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206
all docs

206
docs citations

206
times ranked

3422
citing authors

#	ARTICLE	IF	CITATIONS
1	Glyco-SeS: Selenenylsulfide-Mediated Protein Glycoconjugation—A New Strategy in Post-Translational Modification. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 828-833.	13.8	158
2	The ENGases: versatile biocatalysts for the production of homogeneous N-linked glycopeptides and glycoproteins. <i>Chemical Society Reviews</i> , 2017, 46, 5128-5146.	38.1	132
3	Glycosylation Catalyzed by a Chiral Brønsted Acid. <i>Organic Letters</i> , 2010, 12, 1452-1455.	4.6	98
4	The structural basis of the inhibition of human α -mannosidases by azafuranose analogues of mannose. <i>Biochemical Journal</i> , 1993, 290, 743-749.	3.7	91
5	Glycosyl phenylthiosulfonates (Glyco-PTS): novel reagents for glycoprotein synthesis. This is one of a number of contributions from the current members of the Dyson Perrins Laboratory to mark the end of almost 90 years of organic chemistry research in that building, as all its current academic staff move across South Parks Road to a new purpose-built laboratory. Electronic supplementary information (ESI) available: experimental procedures, characterization, protein ESI-MS spectra and crystal data. See http://w. Organic and Biomolecular Chemistry , 2003, 1, 3642.	2.8	81
6	Synthesis of N-glycan oxazolines: donors for endohexosaminidase catalysed glycosylation. <i>Carbohydrate Research</i> , 2006, 341, 1574-1596.	2.3	75
7	Selective electrochemical glycosylation by reactivity tuning ¹ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2195.	2.8	72
8	The role of the Maillard reaction in the formation of flavour compounds in dairy products — not only a deleterious reaction but also a rich source of flavour compounds. <i>Food and Function</i> , 2012, 3, 1231.	4.6	71
9	Enhanced Glycosylation with Mutants of Endohexosaminidase A (Endo A). <i>ChemBioChem</i> , 2008, 9, 2045-2051.	2.6	68
10	Voltammetry of Electroactive Oil Droplets: Electrochemically-Induced Ion Insertion, Expulsion and Reaction Processes at Microdroplets of N,N,N',N'-Tetraalkyl-para-phenylenediamines (TRPD, R = n-Butyl), <i>Trends in Analytical Chemistry</i> , 2010, 29, 100-105.	2.0	67
11	Synthesis of Arabino glycosyl triazoles as potential inhibitors of mycobacterial cell wall biosynthesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6265-6267.	2.2	67
12	Intramolecular Aglycon Delivery (IAD): The Solution to 1,2-cisStereocontrol for Oligosaccharide Synthesis?. <i>Synlett</i> , 2003, 2003, 1945-1958.	1.8	65
13	Endohexosaminidase M: Exploring and Exploiting Enzyme Substrate Specificity. <i>ChemBioChem</i> , 2006, 7, 1177-1180.	2.6	64
14	Endohexosaminidase-Catalysed Glycosylation with Oxazoline Donors: Fine Tuning of Catalytic Efficiency and Reversibility. <i>Chemistry - A European Journal</i> , 2008, 14, 6444-6464.	3.3	63
15	Stereoselective 1,2-cis Glycosylation of 2-O-Allyl Protected Thioglycosides. <i>Chemistry - A European Journal</i> , 2002, 8, 2608.	3.3	61
16	Protecting-Group-Free One-Pot Synthesis of Glycoconjugates Directly from Reducing Sugars. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11907-11911.	13.8	60
17	Synthesis of, and lack of inhibition of a rhamnosidase by, both enantiomers of deoxyrhamnojirimycin and rhamnolactam: β -mannosidase inhibition by β -lactams. <i>Tetrahedron</i> , 1992, 48, 3365-3376.	1.9	55
18	Stereoselective synthesis of C-glycosides via Tebbe methylenation and Claisen rearrangement. <i>Tetrahedron Letters</i> , 2000, 41, 7589-7593.	1.4	54

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19	Stereospecific Synthesis of 1,2-cisGlycosides by Allyl-Mediated Intramolecular Aglycon Delivery. 2. The Use of Glycosyl Fluorides. <i>Organic Letters</i> , 2001, 3, 2371-2374.	4.6	53
20	Stereospecific Synthesis of 1,2-cisGlycosides by Vinyl-Mediated IAD. <i>Organic Letters</i> , 2004, 6, 3797-3800.	4.6	53
21	Stereoselective synthesis of $\hat{1}\pm$ -glucosides by neighbouring group participation via an intermediate thiophenium ion. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 773-780.	1.8	52
22	Alexines from heptonolactones. <i>Tetrahedron Letters</i> , 1991, 32, 5517-5520.	1.4	51
23	Unique N-Glycan Moieties of the 66-kDa Cell Wall Glycoprotein from the Red Microalga <i>Porphyridium</i> sp.. <i>Journal of Biological Chemistry</i> , 2011, 286, 21340-21352.	3.4	51
24	Stereoselective Synthesis of $\hat{1}\pm$ -Glucosides and $\hat{1}2$ -Mannosides: Tethering and Activation with N-Iodosuccinimide. <i>Synlett</i> , 1999, 1999, 1387-1390.	1.8	50
25	Peptide templated glycosylation reactions. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 231-243.	1.8	50
26	Recent applications of click chemistry for the functionalization of gold nanoparticles and their conversion to glyco-gold nanoparticles. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 11-24.	2.2	50
27	Inhibition of $\hat{1}\pm$ -mannosidases by seven carbon sugars: Synthesis of some seven carbon analogues of mannofuranose. <i>Tetrahedron</i> , 1992, 48, 10177-10190.	1.9	47
28	Anomeric spirohydantoin of mannofuranose: Approaches to novel anomeric amino acids by an oxidative ring contraction. <i>Tetrahedron Letters</i> , 1993, 34, 6119-6122.	1.4	46
29	Stereoselective cis glycosylation of 2-O-allyl protected glycosyl donors by intramolecular aglycon delivery (IAD). <i>Chemical Communications</i> , 2000, , 1409-1410.	4.1	46
30	Total synthesis of the Glc3Man N-glycan tetrasaccharide. <i>Tetrahedron</i> , 2002, 58, 9403-9411.	1.9	46
31	Chemoenzymatic Synthesis of a Phosphorylated Glycoprotein. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5058-5061.	13.8	46
32	Synthesis of 1-epihydantocidin from d-ribose. <i>Tetrahedron Letters</i> , 1993, 34, 3327-3330.	1.4	43
33	N-Iodosuccinimide-mediated intramolecular aglycon delivery. <i>Tetrahedron</i> , 2001, 57, 4221-4230.	1.9	42
34	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
35	Convergent chemo-enzymatic synthesis of mannosylated glycopeptides; targeting of putative vaccine candidates to antigen presenting cells. <i>Chemical Science</i> , 2015, 6, 4636-4642.	7.4	40
36	Synthesis of 5- epi hydantocidin from D-ribose. <i>Tetrahedron</i> , 1995, 51, 3881-3894.	1.9	39

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37	Elimination reactions of glycosyl selenoxides. <i>Tetrahedron</i> , 2004, 60, 8411-8419.	1.9	39
38	Solvent Interactions and Conformational Choice in a Core N-Glycan Segment: Gas Phase Conformation of the Central, Branching Trimannose Unit and its Singly Hydrated Complex. <i>Journal of the American Chemical Society</i> , 2008, 130, 10691-10696.	13.7	39
39	Allyl protecting group mediated intramolecular aglycon delivery (IAD): synthesis of $\hat{1}\pm$ -glucofuranosides and $\hat{1}^2$ -rhamnopyranosides. <i>Tetrahedron</i> , 2004, 60, 9061-9074.	1.9	38
40	Synthesis of C-glycosyl amino acids: scope and limitations of the tandem Tebbe/Claisen approach. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 45-55.	1.8	38
41	Building Up Key Segments of N-Glycans in the Gas Phase: \hat{A} Intrinsic Structural Preferences of the $\hat{1}\pm(1,3)$ and $\hat{1}\pm(1,6)$ Dimannosides. <i>Journal of the American Chemical Society</i> , 2006, 128, 1976-1981.	13.7	38
42	Probing replacement of pyrophosphate via click chemistry; synthesis of UDP-sugar analogues as potential glycosyl transferase inhibitors. <i>Carbohydrate Research</i> , 2009, 344, 586-591.	2.3	38
43	Synthesis of a truncated bi-antennary complex-type N-glycan oxazoline; glycosylation catalysed by the endohexosaminidases Endo A and Endo M. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3128.	2.8	38
44	Inhibition of the Pneumococcal Virulence Factor StrH and Molecular Insights into N-Glycan Recognition and Hydrolysis. <i>Structure</i> , 2011, 19, 1603-1614.	3.3	38
45	Glycosylation of Pramlintide: Synthetic Glycopeptides that Display In Vitro and In Vivo Activities as Amylin Receptor Agonists. <i>Chemistry - A European Journal</i> , 2013, 19, 15084-15088.	3.3	37
46	Convergent chemoenzymatic synthesis of a library of glycosylated analogues of pramlintide: structure-activity relationships for amylin receptor agonism. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8142-8151.	2.8	37
47	Synthesis of tetrahydropyrans from sugar lactones. <i>Tetrahedron</i> , 1998, 54, 13591-13620.	1.9	36
48	An approach to the synthesis of $\hat{1}\pm(1-6)$ -C-disaccharides by tandem Tebbe methylenation and Claisen rearrangement. <i>Tetrahedron</i> , 2005, 61, 7184-7192.	1.9	36
49	The X-ray Crystal Structure of an <i>Arthrobacter protophormiae</i> Endo- $\hat{1}^2$ -N-Acetylglucosaminidase Reveals a $(\hat{1}^2/\hat{1}\pm)^8$ Catalytic Domain, Two Ancillary Domains and Active Site Residues Key for Transglycosylation Activity. <i>Journal of Molecular Biology</i> , 2009, 389, 1-9.	4.2	36
50	Selective activation of glycosyl donors utilising electrochemical techniques: a study of the thermodynamic oxidation potentials of a range of chalcoglycosides. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2188.	2.8	35
51	The ring contraction of $\hat{1}$ -lactones with leaving group $\hat{1}\pm$ -substituents: a strategy for the synthesis of 2,5-disubstituted highly functionalised homochiral tetrahydrofurans. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1605-1607.	2.0	34
52	Allyl protecting group mediated intramolecular aglycon delivery: optimisation of mixed acetal formation and mechanistic investigation. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3207-3221.	1.8	34
53	Acetonides of heptonolactones: Powerful chirons. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 883-900.	1.8	33
54	Samarium(II) iodide promoted ring contraction of carbohydrate derivatives: an expeditious synthesis of functionalised cyclopentanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, .	2.0	33

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55	Synthesis of the acyltetronic acid ionophore tetronasin (ICI M139603). <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 2259-2276.	0.9	32
56	Selective anomeric acetylation of unprotected sugars in water. <i>Chemical Science</i> , 2017, 8, 1896-1900.	7.4	32
57	Synthesis of the Carbon Skeleton of the Herbicidins via a Temporary Silaketal Tether. <i>Synlett</i> , 1996, 1996, 679-681.	1.8	30
58	Synthesis from a heptonolactone and effect on glycosidases of (1S,2R,6R,7S)-1,2,6,7-tetrahydroxypyrrolizidine. <i>Tetrahedron</i> , 1991, 47, 131-138.	1.9	29
59	Neighbouring Group Participation During Glycosylation: Do 2-Substituted Ethyl Ethers Participate?. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4624-4642.	2.4	29
60	Protecting group free synthesis of glycosyl thiols from reducing sugars in water; application to the production of N-glycan glycoconjugates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2152-2156.	2.8	28
61	Lectin-directed enzyme activated prodrug therapy (LEAPT): Synthesis and evaluation of rhamnose-capped prodrugs. <i>Journal of Drug Targeting</i> , 2010, 18, 794-802.	4.4	27
62	Direct aqueous synthesis of cyanomethyl thioglycosides from reducing sugars; ready access to reagents for protein glycosylation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6679-6682.	2.8	27
63	Endohexosaminidase-catalyzed synthesis of glycopeptides and proteins. <i>Pure and Applied Chemistry</i> , 2013, 85, 1847-1863.	1.9	26
64	Peptide templated glycosidic bond formation: a new strategy for oligosaccharide synthesis. <i>Chemical Communications</i> , 1999, , 1037-1038.	4.1	25
65	2-Mannosylation of N-acetyl glucosamine by propargyl mediated intramolecular aglycon delivery (IAD): synthesis of the N-glycan core pentasaccharide. <i>Tetrahedron Letters</i> , 2007, 48, 3061-3064.	1.4	25
66	Synthesis of putative chain terminators of mycobacterial arabinan biosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2257.	2.8	24
67	Propargyl mediated intramolecular aglycon delivery (IAD): applications to the synthesis of core N-glycan oligosaccharides. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1721-1734.	1.8	24
68	Achiral 2-Hydroxy Protecting Group for the Stereocontrolled Synthesis of 1,2-cis-1,2-Glycosides by Six-Ring Neighboring Group Participation. <i>Organic Letters</i> , 2015, 17, 4376-4379.	4.6	24
69	Synthesis of the Glc3Man N-glycan tetrasaccharide by iterative allyl IAD. <i>Carbohydrate Research</i> , 2006, 341, 1609-1618.	2.3	23
70	Chemical site-selective prenylation of proteins. <i>Molecular BioSystems</i> , 2008, 4, 558.	2.9	23
71	Gold Nanoparticles Decorated with Sialic Acid Terminated Bi-antennary N-Glycans for the Detection of Influenza Virus at Nanomolar Concentrations. <i>ChemistryOpen</i> , 2015, 4, 708-716.	1.9	23
72	Synthetic and semi-synthetic approaches to unprotected N-glycan oxazolines. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 416-429.	2.2	23

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73	Fluorescence labelling of carbohydrates with 2-aminobenzamide (2AB). <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4985-4994.	1.8	22
74	Endohexosaminidase-catalysed glycosylation with oxazoline donors: effects of organic co-solvent and pH on reactions catalysed by Endo A and Endo M. <i>Carbohydrate Research</i> , 2009, 344, 2433-2438.	2.3	22
75	The Conformational Properties of the Glc3Man Unit Suggest Conformational Biasing within the Chaperone-assisted Glycoprotein Folding Pathway. <i>Journal of Molecular Biology</i> , 2009, 387, 335-347.	4.2	22
76	<i>Streptococcus pneumoniae</i> endohexosaminidase D; feasibility of using N-glycan oxazoline donors for synthetic glycosylation of a GlcNAc-asparagine acceptor. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1861.	2.8	22
77	Endo- β -N-Acetylglucosaminidase catalysed glycosylation: tolerance of enzymes to structural variation of the glycosyl amino acid acceptor. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 942-955.	2.8	22
78	Highly substituted cis- β -cyclopentane amino acids: An approach to the synthesis of trehazolin analogues. <i>Tetrahedron Letters</i> , 1993, 34, 7949-7952.	1.4	21
79	Polyhydroxylated cyclohexane and cyclopentane β -amino acids from cyclisations of an azidolactone. <i>Tetrahedron Letters</i> , 1994, 35, 8891-8894.	1.4	21
80	Stereoselective synthesis of C-glycosides from carboxylic acids: the tandem Tebbe-Claisen approach. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3772-3786.	2.8	21
81	Synthesis of UDP-glucose derivatives modified at the 3-OH as potential chain terminators of β -glucan biosynthesis. <i>Carbohydrate Research</i> , 2008, 343, 1012-1022.	2.3	21
82	Chemoenzymatic synthesis of glycoproteins. <i>Current Opinion in Chemical Biology</i> , 2019, 53, 9-15.	6.1	21
83	Applications of Shoda's reagent (DMC) and analogues for activation of the anomeric centre of unprotected carbohydrates. <i>Carbohydrate Research</i> , 2021, 499, 108197.	2.3	21
84	Acetonides of β -hydroxy- β -altronolactones. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 901-912.	1.8	20
85	Synthesis of a peracetylated stereoisomer of De Rosa's calditol: Some questions about the correctness of the original structure assigned to this natural product. <i>Tetrahedron Letters</i> , 1995, 36, 893-896.	1.4	20
86	Solid phase peptide templated glycosidic bond formation. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1201-1210.	1.8	20
87	Endohexosaminidase catalysed glycosylation with oxazoline donors: The development of robust biocatalytic methods for synthesis of defined homogeneous glycoconjugates. <i>Comptes Rendus Chimie</i> , 2011, 14, 44-58.	0.5	20
88	Synthesis of β -C-glycosides via tandem Tebbe methylenation and Claisen rearrangement. <i>Tetrahedron Letters</i> , 2003, 44, 3631-3635.	1.4	19
89	Stereoselective synthesis of β -arabino glycosyl sulfones as potential inhibitors of mycobacterial cell wall biosynthesis. <i>Carbohydrate Research</i> , 2009, 344, 739-746.	2.3	19
90	Total Synthesis of Glycosylated Human Interferon- β . <i>Organic Letters</i> , 2020, 22, 6863-6867.	4.6	19

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91	Direct Synthesis of <i>para</i> -Nitrophenyl Glycosides from Reducing Sugars in Water. <i>Organic Letters</i> , 2020, 22, 2490-2493.	4.6	19
92	N-Iodosaccharin: A Potent New Activator of Thiophenylglycosides. <i>Synlett</i> , 2001, 2001, 0797-0799.	1.8	18
93	Synthesis of fluorescence-labelled disaccharide substrates of glucosidase II. <i>Carbohydrate Research</i> , 2003, 338, 1937-1949.	2.3	18
94	Size-optimized galactose-capped gold nanoparticles for the colorimetric detection of heat-labile enterotoxin at nanomolar concentrations. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5215-5223.	2.8	18
95	Structure and inhibition of <i>N</i> -acetylneuraminase lyase from methicillin-resistant <i>Staphylococcus aureus</i> . <i>FEBS Letters</i> , 2016, 590, 4414-4428.	2.8	18
96	Aldol equilibrations of unprotected trihydroxybicyclic lactones: Enantiomeric tetrahydroxy- \pm -aminocyclopentane carboxylic acids from epimeric bicyclic lactones. <i>Tetrahedron Letters</i> , 1994, 35, 8895-8898.	1.4	17
97	Ready protease-catalyzed synthesis of carbohydrate-amino acid conjugates. <i>Chemical Communications</i> , 2001, , 1908-1909.	4.1	17
98	A facile synthesis of 4,6-O-benzylidene glucal. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1767-1769.	1.8	17
99	Ruthenium-Catalyzed Transfer Hydrogenation of Amino- and Amido-Substituted Acetophenones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6784-6788.	2.4	17
100	Synthesis of cyclopentane spirohydantoin by aldol cyclisations: An approach to highly substituted \pm -cyclopentane amino acids. <i>Tetrahedron Letters</i> , 1993, 34, 7953-7956.	1.4	16
101	Tetrahydropyran derivatives from $\hat{3}$ - and $\hat{1}$ -hexonolactones. <i>Tetrahedron Letters</i> , 1994, 35, 3361-3364.	1.4	16
102	Efficient one-step synthesis of 2-hydroxy and 2-aminoglycals from selenoglycosides. <i>Tetrahedron Letters</i> , 2003, 44, 5221-5223.	1.4	16
103	Novel ester linked glycosyl amino acids: convenient building blocks for the synthesis of glycopeptide libraries. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 391-401.	1.8	15
104	Voltammetric and Electrochemical ESR Studies of Oxidation Reactions Mediated by Tris(4-bromophenyl)amine in Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2681-2691.	2.6	15
105	Carbohydrate Chain Terminators: Rational Design of Novel Carbohydrate-Based Antifungal Agents. <i>ChemBioChem</i> , 2007, 8, 1241-1245.	2.6	15
106	Allyl Protecting Group Mediated Intramolecular Aglycon Delivery (IAD) of Glycosyl Fluorides. <i>Monatshefte für Chemie</i> , 2002, 133, 449-466.	1.8	14
107	Electrochemical glycosylation in the presence of a catalytic chemical mediator. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 516-522.	1.9	14
108	Solvent incorporation during N-iodosaccharin mediated glycosylation: facile synthesis of acetal linked disaccharides. <i>Chemical Communications</i> , 2001, , 1406-1407.	4.1	13

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109	A new way to do an old reaction: highly efficient reduction of organic azides by sodium iodide in the presence of acidic ion exchange resin. <i>Chemical Communications</i> , 2017, 53, 713-715.	4.1	13
110	Scope of the DMC mediated glycosylation of unprotected sugars with phenols in aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7355-7365.	2.8	13
111	Synthesis of the Bicyclic Moiety of the Miharamycins by Samarium (II) Iodide Induced Ring Closure. <i>Synlett</i> , 1995, 1995, 277-279.	1.8	12
112	Synthesis of arabinose glycosyl sulfamides as potential inhibitors of mycobacterial cell wall biosynthesis. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 153-166.	5.5	12
113	Synthesis of UDP-GlcNAc derivatives modified at OH-4 as potential chain-terminators of chitin biosynthesis. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1299-1307.	1.8	11
114	One-pot synthesis of carbohydrate thionolactones from 1-thiosugars. <i>Tetrahedron Letters</i> , 2008, 49, 4941-4943.	1.4	11
115	Synthesis of glucose derivatives modified at the 4-OH as potential chain-terminators of cellulose biosynthesis; herbicidal activity of simple monosaccharide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1097.	2.8	11
116	Cloning, expression, purification, crystallization and preliminary X-ray diffraction studies of N-acetylneuraminidase from methicillin-resistant <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 306-312.	0.7	11
117	Unexpected furanose/pyranose equilibration of N-glycosyl sulfonamides, sulfamides and sulfamates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6573-6579.	2.8	11
118	Protecting Group Dependence of Stereochemical Outcome of Glycosylation of Thiophenylmethyl Ether Protected Glycosyl Donors. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1520-1532.	2.4	11
119	The importance of including local correlation times in the calculation of inter-proton distances from NMR measurements: ignoring local correlation times leads to significant errors in the conformational analysis of the GlcNAc ₂ linkage by NMR spectroscopy. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2241-2246.	2.8	9
120	Production and crystallization of processing Î±-glucosidase I: <i>Pichia pastoris</i> expression and a two-step purification toward structural determination. <i>Protein Expression and Purification</i> , 2011, 79, 96-101.	1.3	9
121	A double-click approach to the protecting group free synthesis of glycoconjugates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1258-1262.	2.8	9
122	Synthesis of sulfamide analogues of deoxythymidine monophosphate as potential inhibitors of mycobacterial cell wall biosynthesis. <i>Carbohydrate Research</i> , 2018, 457, 32-40.	2.3	9
123	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of N-acetylmannosamine-6-phosphate 2-epimerase from methicillin-resistant <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 650-655.	0.8	8
124	Chemoenzymatic Synthesis of a Phosphorylated Glycoprotein. <i>Angewandte Chemie</i> , 2016, 128, 5142-5145.	2.0	8
125	Synthesis and anti-mycobacterial activity of glycosyl sulfamides of arabinofuranose. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1748-1754.	2.8	8
126	Efficient synthesis of carbohydrate thionolactones. <i>Tetrahedron Letters</i> , 2006, 47, 3517-3520.	1.4	7

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127	A α -linked Glycomimetic in the Gas Phase and in Solution: Synthesis and Conformation of the Disaccharide Man α -(1,6)-GlcNAc. <i>Chemistry - A European Journal</i> , 2009, 15, 4057-4069.	3.3	7
128	The influence of emulsion structure on the Maillard reaction of ghee. <i>Food Chemistry</i> , 2015, 173, 1243-1249.	8.2	7
129	Synthesis of a hybrid type N-glycan heptasaccharide oxazoline for Endo M catalysed glycosylation. <i>Carbohydrate Research</i> , 2016, 426, 40-45.	2.3	7
130	Efficient synthesis and enzymatic extension of an N-GlcNAc asparagine building block. <i>Chemical Communications</i> , 2019, 55, 5287-5290.	4.1	7
131	Rapid synthesis of N-glycan oxazolines from locust bean gum via the Lafont rearrangement. <i>Carbohydrate Research</i> , 2019, 477, 11-19.	2.3	7
132	Protecting group free glycosylation: one-pot stereocontrolled access to 1,2-trans glycosides and (1 \rightarrow 6)-linked disaccharides of 2-acetamido sugars. <i>Chemical Science</i> , 2022, 13, 4122-4130.	7.4	7
133	Introduction to Glycosylation: new methodologies and applications. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6979-6982.	2.8	6
134	Synthesis and Activation of Carbohydrate Donors: Acetimides, n-Pentenyl and Vinyl Glycosides. , 2003, , 147-194.		5
135	N-acetylmannosamine-6-phosphate 2-epimerase uses a novel substrate-assisted mechanism to catalyze amino sugar epimerization. <i>Journal of Biological Chemistry</i> , 2021, 297, 101113.	3.4	4
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