Stefan Oscarson

List of Publications by Year in descending order

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224 papers	8,452 citations	53794 45 h-index	64796 79 g-index
248 all docs	248 docs citations	248 times ranked	7795 citing authors

#	Article	IF	Citations
1	What is the Sugar Code?. ChemBioChem, 2022, 23, .	2.6	20
2	Synthesis of a library of 2-fluoro-2-deoxy-derivatives of the trimannoside methyl Î±-D-Man-(1Ââ†'Â3)-[Î±-D-Man-(1Ââ†'Â6)]-Î±-D-Man and the dimannosides methyl Î±-D-Man-(1Ââ†'Â3)-Î±-D-Man and methyl Î±-D-Man-(1Ââ†'Â6)-Î±-D-Man. Carbohydrate Research, 2022, 512, 108515.	2.8	3
3	Synthesis of a Lewis b hexasaccharide thioglycoside donor and its use towards an extended mucin core Tn heptasaccharide structure and a photoreactive biotinylated serine linked hexasaccharide. Organic and Biomolecular Chemistry, 2022, , .	2.8	0
4	Exploring antiviral and anti-inflammatory effects of thiol drugs in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L372-L389.	2.9	9
5	A detailed picture of a proteinâ€"carbohydrate hydrogen-bonding network revealed by NMR and MD simulations. Glycobiology, 2021, 31, 508-518.	2.5	6
6	Galectinâ€"Glycan Interactions: Guidelines for Monitoring by ⁷⁷Se NMR Spectroscopy, and Solvent (H₂O/D₂O) Impact on Binding. Chemistry - A European Journal, 2021, 27, 316-325.	3.3	11
7	A glycan FRET assay for detection and characterization of catalytic antibodies to theCryptococcus neoformanscapsule. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
8	Strategies in Oligosaccharide Synthesis. , 2021, , 1-48.		1
9	Key role of a structural water molecule for the specificity of 14F7â€"An antitumor antibody targeting the NeuGc GM3 ganglioside. Glycobiology, 2021, 31, 1500-1509.	2.5	3
10	Defining the Qualities of High-Quality Palladium on Carbon Catalysts for Hydrogenolysis. Organic Process Research and Development, 2021, 25, 1573-1578.	2.7	25
11	Facile anomer-oriented syntheses of 4-methylumbelliferyl sialic acid glycosides. Organic and Biomolecular Chemistry, 2021, 19, 6644-6649.	2.8	0
12	A single sulfatase is required to access colonic mucin by a gut bacterium. Nature, 2021, 598, 332-337.	27.8	87
13	Convergent total synthesis of Cryptococcus neoformans serotype B capsule repeating motif. Carbohydrate Research, 2020, 497, 108150.	2.3	6
14	Fluorinated Carbohydrates as Lectin Ligands: Simultaneous Screening of a Monosaccharide Library and Chemical Mapping by ¹⁹F NMR Spectroscopy. Journal of Organic Chemistry, 2020, 85, 16072-16081.	3.2	24
15	The Interaction of Fluorinated Glycomimetics with DC-SIGN: Multiple Binding Modes Disentangled by the Combination of NMR Methods and MD Simulations. Pharmaceuticals, 2020, 13, 179.	3.8	12
16	A General Method for the Divergent Synthesis of Câ€9 Functionalised Sialic Acid Derivatives. European Journal of Organic Chemistry, 2020, 2020, 6102-6108.	2.4	5
17	A synthetic glycan array containingCryptococcus neoformansglucuronoxylomannan capsular polysaccharide fragments allows the mapping of protective epitopes. Chemical Science, 2020, 11, 9209-9217.	7.4	26
18	Synthesis of type 1 Lewis b hexasaccharide antigen structures featuring flexible incorporation of <scp>l</scp>-[U-¹³C₆]-fucose for NMR binding studies. Organic and Biomolecular Chemistry, 2020, 18, 4452-4458.	2.8	3

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19	Exploring Cryptococcus neoformans capsule structure and assembly with a hydroxylamine-armed fluorescent probe. Journal of Biological Chemistry, 2020, 295, 4327-4340.	3.4	13
20	Cryptococcus neoformans Capsular GXM Conformation and Epitope Presentation: A Molecular Modelling Study. Molecules, 2020, 25, 2651.	3.8	17
21	Chemical synthesis of a sulfated d-glucosamine library and evaluation of cell proliferation capabilities. Carbohydrate Research, 2020, 495, 108085.	2.3	1
22	Optimized Conditions for the Palladiumâ€Catalyzed Hydrogenolysis of Benzyl and Naphthylmethyl Ethers: Preventing Saturation of Aromatic Protecting Groups. European Journal of Organic Chemistry, 2020, 2020, 3332-3337.	2.4	29
23	Recombinant mucin-type proteins carrying LacdiNAc on different O-glycan core chains fail to support H. pylori binding. Molecular Omics, 2020, 16, 243-257.	2.8	8
24	Synthesis of Fucose Derivatives with Thiol Motifs towards Suicide Inhibition of Helicobacter pylori. Molecules, 2020, 25, 4281.	3.8	0
25	Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. Molecules, 2019, 24, 2337.	3.8	34
26	The use of hydrophobic amino acids in protecting spray dried trehalose formulations against moisture-induced changes. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 139-153.	4.3	28
27	Synthesis of lactosamine-based building blocks on a practical scale and investigations of their assembly for the preparation of 19F-labelled LacNAc oligomers. Organic and Biomolecular Chemistry, 2019, 17, 2265-2278.	2.8	6
28	Designâ€"functionality relationships for adhesion/growth-regulatory galectins. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2837-2842.	7.1	57
29	Exploring functional pairing between surface glycoconjugates and human galectins using programmable glycodendrimersomes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2509-E2518.	7.1	71
30	Direct Observation of Carbohydrate Hydroxyl Protons in Hydrogen Bonds with a Protein. Journal of the American Chemical Society, 2018, 140, 339-345.	13.7	12
31	Fluorinated Carbohydrates as Lectin Ligands: Synthesis of OH/Fâ€Substituted Nâ€Glycan Core Trimannoside and Epitope Mapping by 2D STDâ€TOCSYreFâ€...NMR spectroscopy. Chemistry - A European Journal, 2018, 24, 15761-15765.	3.3	41
32	Crystal structure of an L chain optimised 14F7 anti-ganglioside Fv suggests a unique tumour-specificity through an unusual H-chain CDR3 architecture. Scientific Reports, 2018, 8, 10836.	3.3	8
33	Large scale synthesis and regioselective protection schemes of ethyl 2-azido-2-deoxy-1-thio-Î±- d -cellobioside for preparation of heparin thiodisaccharide building blocks. Carbohydrate Research, 2017, 440-441, 16-31.	2.3	5
34	A Hexasaccharide Containing Rare 2â€Oâ€Sulfateâ€Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. Angewandte Chemie - International Edition, 2017, 56, 2312-2317.	13.8	54
35	A Monoclonal Antibody to Cryptococcus neoformans Glucuronoxylomannan Manifests Hydrolytic Activity for Both Peptides and Polysaccharides. Journal of Biological Chemistry, 2017, 292, 417-434.	3.4	35
36	Helicobacter pylori Adapts to Chronic Infection and Gastric Disease via pH-Responsive BabA-Mediated Adherence. Cell Host and Microbe, 2017, 21, 376-389.	11.0	104

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37	Exploiting Uniformly ‹sup›13‹/sup›C-Labeled Carbohydrates for Probing Carbohydrateâ€“Protein Interactions by NMR Spectroscopy. Journal of the American Chemical Society, 2017, 139, 6210-6216.	13.7	24
38	A Hexasaccharide Containing Rare 2â€‹‹i›O‹/i›â€‹Sulfateâ€‹Glucuronic Acid Residues Selectively Activates Heparin Cofactor II. Angewandte Chemie, 2017, 129, 2352-2357.	2.0	9
39	Alternate synthesis to d -glycero-Î²- d -manno-heptose 1,7-biphosphate. Carbohydrate Research, 2017, 450, 38-43.	2.3	9
40	Sites for Dynamic Protein-Carbohydrate Interactions of O- and C-Linked Mannosides on the E. coli FimH Adhesin. Molecules, 2017, 22, 1101.	3.8	23
41	Synthesis of building blocks for an iterative approach towards oligomers of the Streptococcus pneumoniae type 1 zwitterionic capsular polysaccharide repeating unit. Canadian Journal of Chemistry, 2016, 94, 940-960.	1.1	8
42	Glycosulfatase-Encoding Gene Cluster in Bifidobacterium breve UCC2003. Applied and Environmental Microbiology, 2016, 82, 6611-6623.	3.1	40
43	Synthesis of part structures of Cryptococcus neoformans serotype C capsular polysaccharide. Carbohydrate Research, 2016, 433, 5-13.	2.3	20
44	Structural Insights into Polymorphic ABO Glycan Binding by Helicobacter pylori. Cell Host and Microbe, 2016, 19, 55-66.	11.0	88
45	Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. Glycobiology, 2016, 26, 888-903.	2.5	66
46	FleA Expression in Aspergillus fumigatus Is Recognized by Fucosylated Structures on Mucins and Macrophages to Prevent Lung Infection. PLoS Pathogens, 2016, 12, e1005555.	4.7	44
47	Synthesis of a Glucuronic Acid-Containing Thioglycoside Trisaccharide Building Block and Its Use in the Assembly of‹i›Cryptococcus Neoformans‹/i›Capsular Polysaccharide Fragments. ChemistryOpen, 2015, 4, 729-739.	1.9	10
48	A synthetic strategy to xylose-containing thioglycoside tri- and tetrasaccharide building blocks corresponding to Cryptococcus neoformans capsular polysaccharide structures. Organic and Biomolecular Chemistry, 2015, 13, 6598-6610.	2.8	28
49	The targeted recognition of ‹scp›‹i›L‹/i›‹/scp›‹i›actococcus lactis‹/i› phages to their polysaccharide receptors. Molecular Microbiology, 2015, 96, 875-886.	2.5	39
50	Synthesis of four (4â€³-, 2â€³-, 2â€²-, and 6-) monodeoxy analogs of the trisaccharide Î±-d-Glcp-(1â†’3)-Î±-d-Manp-(1â†’2)-Î±-d-ManpOMe recognized by Calreticulin/Calnexin. Carbohydrate Research, 2015, 414, 65-71.	2.3	2
51	Oxidation increases mucin polymer cross-links to stiffen airway mucus gels. Science Translational Medicine, 2015, 7, 276ra27.	12.4	199
52	Common side reactions of the glycosyl donor in chemical glycosylation. Carbohydrate Research, 2015, 408, 51-95.	2.3	101
53	Engineering a Therapeutic Lectin by Uncoupling Mitogenicity from Antiviral Activity. Cell, 2015, 163, 746-758.	28.9	89
54	Synthesis of benzyl protected Î²-d-GlcA-(1â†’2)-Î±-d-Man thioglycoside building blocks for construction of Cryptococcus neoformans capsular polysaccharide structures. Carbohydrate Research, 2014, 389, 57-65.	2.3	16

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55	Intelectin-1 Is a Prominent Protein Constituent of Pathologic Mucus Associated with Eosinophilic Airway Inflammation in Asthma. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1005-1007.	5.6	35
56	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	38.1	464
57	Fluorinated Carbohydrates as Lectin Ligands: Dissecting Glycanâ€“Cyanovirin Interactions by Using ¹⁹Fâ€…NMR Spectroscopy. Chemistry - A European Journal, 2013, 19, 5364-5374.	3.3	40
58	Structural Sampling of Glycan Interaction Profiles Reveals Mucosal Receptors for Fimbrial Adhesins of Enterotoxigenic Escherichia coli. Biology, 2013, 2, 894-917.	2.8	23
59	Synthesis of bacterial carbohydrate surface structures containing Kdo and glycero-D-manno-heptose linkages. Carbohydrate Chemistry, 2012, , 40-60.	0.3	19
60	The Tyrosine Gate as a Potential Entropic Lever in the Receptor-Binding Site of the Bacterial Adhesin FimH. Biochemistry, 2012, 51, 4790-4799.	2.5	67
61	Gold nanoparticles as carriers for a syntheticStreptococcus pneumoniaetype 14 conjugate vaccine. Nanomedicine, 2012, 7, 651-662.	3.3	158
62	Synthesis of mucin O-glycan core structures as their p-nitro- and p-aminophenyl glycosides. Carbohydrate Research, 2011, 346, 1454-1466.	2.3	12
63	Carbohydrates as ligands: synthetic and biological aspects. Carbohydrate Research, 2011, 346, 1357.	2.3	1
64	Efficient regioselective protection of myo-inositol via facile protecting group migration. Tetrahedron, 2011, 67, 618-623.	1.9	14
65	Fine specificities of two lectins from Cymbosema roseum seeds: a lectin specific for high-mannose oligosaccharides and a lectin specific for blood group H type II trisaccharide. Glycobiology, 2011, 21, 925-933.	2.5	7
66	Per Johan Garegg. Advances in Carbohydrate Chemistry and Biochemistry, 2010, 64, 20-24.	0.9	0
67	Synthesis of the Lewis b pentasaccharide and a HSA-conjugate thereof. Tetrahedron, 2010, 66, 7850-7855.	1.9	5
68	Synthesis of phosphorylated 3,4-branched trisaccharides corresponding to LPS inner core structures of Neisseria meningitidis and Haemophilus influenzae. Carbohydrate Research, 2010, 345, 1331-1338.	2.3	8
69	Design and synthesis of novel P2 substituents in diol-based HIV protease inhibitors. European Journal of Medicinal Chemistry, 2010, 45, 160-170.	5.5	14
70	Synthesis of 6-PEtN-Î±-D-GalpNAc-(1â€“>6)-Î²-D-Galp-(1â€“>4)-Î²-D-GlcpNAc-(1â€“>3)-Î²-D-Galp-(1â€“>4)-Î²-D-Glcp, a Haemophilus influenzae lipopolysaccharide structure, and biotin and protein conjugates thereof. Beilstein Journal of Organic Chemistry, 2010, 6, 704-708.	2.2	7
71	Design and Synthesis of Potent and Selective BACE-1 Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 1458-1464.	6.4	28
72	Glycocluster Design for Improved Avidity and Selectivity in Blocking Human Lectin/Plant Toxin Binding to Glycoproteins and Cells. Molecular Pharmaceutics, 2010, 7, 2270-2279.	4.6	24

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73	Role of Water Molecules in Structure and Energetics of Pseudomonas aeruginosa Lectin I Interacting with Disaccharides. Journal of Biological Chemistry, 2010, 285, 20316-20327.	3.4	37
74	A new route for the synthesis of Streptococcus pneumoniae 19F and 19A capsular polysaccharide fragments avoiding the Î²-mannosamine glycosylation step. Carbohydrate Research, 2009, 344, 1442-1448.	2.3	5
75	Synthesis of phosphorylated Neisseria meningitidis inner core lipopolysaccharide structures. Tetrahedron: Asymmetry, 2009, 20, 875-882.	1.8	9
76	The common Cryptococcus neoformans glucuronoxylomannan M2 motif elicits non-protective antibodies. Vaccine, 2009, 27, 3513-3518.	3.8	35
77	Reversible non-covalent derivatisation of carbon nanotubes with glycosides. Soft Matter, 2009, 5, 2713.	2.7	10
78	Synthesis of and molecular dynamics simulations on a tetrasaccharide corresponding to the repeating unit of the capsular polysaccharide from Salmonella enteritidis. Organic and Biomolecular Chemistry, 2009, 7, 1612.	2.8	11
79	Variant synthetic pathway to glucuronic acid-containing di- and trisaccharide thioglycoside building blocks for continued synthesis of Cryptococcus neoformans capsular polysaccharide structures. Carbohydrate Research, 2008, 343, 2200-2208.	2.3	13
80	Foreword. Carbohydrate Research, 2008, 343, 1507.	2.3	0
81	Defining substrate interactions with calreticulin: an isothermal titration calorimetric study. Glycoconjugate Journal, 2008, 25, 797-802.	2.7	3
82	Investigations of Glycosylation Reactions with 2-N-Acetyl-2N,3O-oxazolidinone-Protected Glucosamine Donors. Journal of Organic Chemistry, 2008, 73, 7181-7188.	3.2	72
83	Synthesis of a common tetrasaccharide motif of Haemophilus influenzae LPS inner core structures. Organic and Biomolecular Chemistry, 2008, 6, 1087.	2.8	14
84	S-Glycosylation. , 2008, , 661-697.		3
85	Structural, Biochemical, and In Vivo Investigations of the Threonine Synthase from Mycobacterium tuberculosis. Journal of Molecular Biology, 2008, 381, 622-633.	4.2	17
86	Atomic Mapping of the Sugar Interactions in One-Site and Two-Site Mutants of Cyanovirin-N by NMR Spectroscopy. Biochemistry, 2008, 47, 3625-3635.	2.5	15
87	Identification of the Smallest Structure Capable of Evoking Opsonophagocytic Antibodies against Streptococcus pneumoniae Type 14. Infection and Immunity, 2008, 76, 4615-4623.	2.2	95
88	Intervening with Urinary Tract Infections Using Anti-Adhesives Based on the Crystal Structure of the FimHâ€“Oligomannose-3 Complex. PLoS ONE, 2008, 3, e2040.	2.5	202
89	NMR study of hydroxy protons of diâ€•and trimannosides, substructures of Manâ€9. Magnetic Resonance in Chemistry, 2007, 45, 1076-1080.	1.9	13
90	Evaluation of thioglycosides of Kdo as glycosyl donors. Carbohydrate Research, 2007, 342, 631-637.	2.3	39

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91	Synthesis of urine drug metabolites: glucuronic acid glycosides of phenol intermediates. Carbohydrate Research, 2007, 342, 970-974.	2.3	13
92	Synthesis of fused bicyclic thioglycosides of N-acylated glucosamine as analogues of mycothiol. Carbohydrate Research, 2007, 342, 1943-1946.	2.3	12
93	Synthesis of stable C-phosphonate analogues of Neisseria meningitidis group A capsular polysaccharide structures using modified Mitsunobu reaction conditions. Organic and Biomolecular Chemistry, 2006, 4, 4485-4490.	2.8	24
94	Synthesis of oligosaccharides corresponding to Vibrio cholerae O139 polysaccharide structures containing dideoxy sugars and a cyclic phosphate. Organic and Biomolecular Chemistry, 2006, 4, 1236.	2.8	30
95	Isothermal titration calorimetric study defines the substrate binding residues of calreticulin. Biochemical and Biophysical Research Communications, 2006, 351, 14-20.	2.1	24
96	Î²-Propeller Crystal Structure of Psathyrella velutina Lectin: An Integrin-like Fungal Protein Interacting with Monosaccharides and Calcium. Journal of Molecular Biology, 2006, 357, 1575-1591.	4.2	77
97	The affinity of the FimH fimbrial adhesin is receptor-driven and quasi-independent of Escherichia coli pathotypes. Molecular Microbiology, 2006, 61, 1556-1568.	2.5	139
98	Synthesis of monodeoxy analogues of the trisaccharide Î±-d-Glcp-(1â†'3)-Î±-d-Manp-(1â†'2)-Î±-d-ManpOMe recognised by Calreticulin/Calnexin. Carbohydrate Research, 2006, 341, 1533-1542.	2.3	10
99	Receptor binding studies disclose a novel class of highâ€affinity inhibitors of the Escherichia coli FimH adhesin. Molecular Microbiology, 2005, 55, 441-455.	2.5	372
100	A stereoselective approach to phosphodiester-linked oligomers of the repeating unit of Escherichia coli K52 capsular polysaccharide containing Î²-D-fructofuranosyl moieties. Tetrahedron: Asymmetry, 2005, 16, 121-125.	1.8	13
101	Improved synthesis of 1,3,4,6-tetra-O-acetyl-2-azido-2-deoxy-Î±-d-mannopyranose. Carbohydrate Research, 2005, 340, 2675-2676.	2.3	9
102	Synthesis of the tetrasaccharide Î±-d-Glcp-(1â†'3)-Î±-d-Manp-(1â†'2)-Î±-d-Manp-(1â†'2)-Î±-d-Manp recognized by Calreticulin/Calnexin. Carbohydrate Research, 2005, 340, 2558-2562.	2.3	17
103	Impact of natural variation in bacterial F17G adhesins on crystallization behaviour. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1149-1159.	2.5	10
104	Thermodynamic, Kinetic, and Electron Microscopy Studies of Concanavalin A and Dioclea grandiflora Lectin Cross-linked with Synthetic Divalent Carbohydrates. Journal of Biological Chemistry, 2005, 280, 8640-8646.	3.4	62
105	Block Synthesis of Streptococcus pneumoniae Type 14 Capsular Polysaccharide Structures*. Journal of Carbohydrate Chemistry, 2005, 24, 379-391.	1.1	24
106	The Fucose-binding Lectin from Ralstonia solanacearum. Journal of Biological Chemistry, 2005, 280, 27839-27849.	3.4	160
107	Banana lectin is unique in its recognition of the reducing unit of 3-O-Î²-glucosyl/mannosyl disaccharides: a calorimetric study. Glycobiology, 2005, 15, 1043-1050.	2.5	19
108	Ethyl 2-acetamido-4,6-di-O-benzyl-2,3-N,O-carbonyl-2-deoxy-1-thio-Î²-d-glycopyranoside as a versatile GlcNAc donor. Chemical Communications, 2005, , 3044.	4.1	81

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109	Synthesis and immunological studies of glycoconjugates of Cryptococcus neoformans capsular glucuronoxylomannan oligosaccharide structures. Vaccine, 2005, 23, 3961-3972.	3.8	59
110	Synthesis of structures corresponding to the capsular polysaccharide of Neisseria meningitidis group A. Organic and Biomolecular Chemistry, 2005, 3, 3782.	2.8	36
111	Protective Group Strategies. , 2005, , .		2
112	Thermodynamic binding studies of bivalent oligosaccharides to galectin-1, galectin-3, and the carbohydrate recognition domain of galectin-3. Glycobiology, 2004, 14, 817-825.	2.5	110
113	Irreversible Glucuronyl C5-epimerization in the Biosynthesis of Heparan Sulfate. Journal of Biological Chemistry, 2004, 279, 14631-14638.	3.4	37
114	Ligands of the asialoglycoprotein receptor for targeted gene delivery, part 1: Synthesis of and binding studies with biotinylated cluster glycosides containing N-acetylgalactosamine. Glycoconjugate Journal, 2004, 21, 227-241.	2.7	35
115	Synthesis of the Lewis b hexasaccharide and HSA-conjugates thereof. Glycoconjugate Journal, 2004, 21, 251-256.	2.7	14
116	SmI2/Water/Amine Mediates Cleavage of Allyl Ether Protected Alcohols: Application in Carbohydrate Synthesis and Mechanistic Considerations.. ChemInform, 2004, 35, no.	0.0	0
117	A conformational study of Î±-d-Manp-(1â†'2)-Î±-d-Manp-(1â†'O)-l-Ser by NMR 1H,1H T-ROESY experiments and molecular-dynamics simulations. Carbohydrate Research, 2004, 339, 1331-1338.	2.3	19
118	Synthesis of the Branched TrisaccharideLâ€Glyceroâ€Î±â€Dâ€mannoâ€heptopyranosylâ€(1Ââ†'Â3)â€•[Î²â€Dâ€glucopyranosylâ€(1Ââ†'Â4)]â€Lâ€glyceroâ€Î±â€Dâ€mannoâ€heptopyranose, Protected to Allow Flexible Access toNeisseriaandHaemophilusLPS Inner Core Structures. Journal of Carbohydrate Chemistry, 2004, 23, 443-452.	1.1	20
119	Synthesis of Urine Drug Metabolites: Glucuronosyl Esters of Carboxymefloquine, Indoprofen, (S)â€Naproxen, and Desmethyl (S)â€Naproxen. Journal of Carbohydrate Chemistry, 2004, 23, 123-132.	1.1	7
120	Synthesis ofCryptococcus neoformansCapsular Polysaccharide Structures. Part V: Construction of Glucuronic Acidâ€Containing Thioglycoside Donor Blocks. Journal of Carbohydrate Chemistry, 2004, 23, 403-416.	1.1	12
121	Mutational Analysis Provides Molecular Insight into the Carbohydrate-Binding Region of Calreticulin:Â Pivotal Roles of Tyrosine-109 and Aspartate-135 in Carbohydrate Recognitionâ€. Biochemistry, 2004, 43, 97-106.	2.5	75
122	Atomic Mapping of the Interactions between the Antiviral Agent Cyanovirin-N and Oligomannosides by Saturation-Transfer Difference NMRâ€. Biochemistry, 2004, 43, 13926-13931.	2.5	44
123	Functional Adaptation of BabA, the H. pylori ABO Blood Group Antigen Binding Adhesin. Science, 2004, 305, 519-522.	12.6	368
124	Synthesis of tetra- and pentasaccharides corresponding to the capsular polysaccharide of Streptococcus pneumoniae type 9A&L, 9N and 9A. Carbohydrate Research, 2003, 338, 2605-2609.	2.3	10
125	Design and synthesis of HIV-1 protease inhibitors. Novel tetrahydrofuran P2/P2â€²-groups interacting with Asp29/30 of the HIV-1 protease. Determination of binding from X-ray crystal structure of inhibitor protease complex. Bioorganic and Medicinal Chemistry, 2003, 11, 1107-1115.	3.0	13
126	Peptide-based inhibitors of hepatitis C virus full-length NS3 (protease-helicase/NTPase): model compounds towards small molecule inhibitors. Bioorganic and Medicinal Chemistry, 2003, 11, 2955-2963.	3.0	7

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127	Solving the phase problem for carbohydrate-binding proteins using selenium derivatives of their ligands: a case study involving the bacterial F17-G adhesin. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1012-1015.	2.5	21
128	New potent C 2 -Symmetric malaria plasmepsin I and II inhibitors. Bioorganic and Medicinal Chemistry, 2003, 11, 1235-1246.	3.0	30
129	Structural requirements for TLR4-mediated LPS signalling: a biological role for LPS modifications. Microbes and Infection, 2003, 5, 1057-1063.	1.9	127
130	SmI2/Water/Amine Mediates Cleavage of Allyl Ether Protected Alcohols:â€‰ Application in Carbohydrate Synthesis and Mechanistic Considerations. Organic Letters, 2003, 5, 4085-4088.	4.6	70
131	Synthesis of Dihydrodiosgenin Glycosides as Mimetics of Bidesmosidic Steroidal Saponins. European Journal of Organic Chemistry, 2003, 2003, 4003-4011.	2.4	14
132	Synthesis of Cryptococcus neoformans Capsular Polysaccharide Structures. IV. Construction of Thioglycoside Donor Blocks and Their Subsequent Assembly. Journal of Carbohydrate Chemistry, 2003, 22, 565-577.	1.1	18
133	Interactions of Substrate with Calreticulin, an Endoplasmic Reticulum Chaperone. Journal of Biological Chemistry, 2003, 278, 6194-6200.	3.4	73
134	Efficient Synthesis of Spacer-linked Dimers of N-Acetyllactosamine Using Microvawe-assisted Pyridinium Triflate-promoted Glycosylations with Oxazoline Donors. Synlett, 2003, 2003, 1255.	1.8	3
135	The fimbrial adhesin F17â€G of enterotoxigenic Escherichia coli has an immunoglobulinâ€like lectin domain that binds Nâ€acetylglucosamine. Molecular Microbiology, 2003, 49, 705-715.	2.5	89
136	Thermodynamic binding studies of cell surface carbohydrate epitopes to galectins-1, -3, and -7: Evidence for differential binding specificities. Canadian Journal of Chemistry, 2002, 80, 1096-1104.	1.1	107
137	Chemical Syntheses of Inulin and Levan Structures. Journal of Organic Chemistry, 2002, 67, 8457-8462.	3.2	29
138	Synthesis and Self-Assembly of Globotriose Derivatives:Â A Model System for Studies of Carbohydrateâ^'Protein Interactions. Langmuir, 2002, 18, 2848-2858.	3.5	45
139	Synthesis of a polyphosphorylated GPI-anchor core structure. Canadian Journal of Chemistry, 2002, 80, 1105-1111.	1.1	11
140	Investigation of the reactivity difference between thioglycoside donors with variant aglycon parts. Canadian Journal of Chemistry, 2002, 80, 889-893.	1.1	49
141	Synthesis of oligosaccharides corresponding to Streptococcus pneumoniae type 9 capsular polysaccharide structures. Carbohydrate Research, 2002, 337, 1715-1722.	2.3	32
142	A facile approach to diosgenin and furostan type saponins bearing a 3Î²-chacotriose moiety. Carbohydrate Research, 2002, 337, 2153-2159.	2.3	20
143	RAPID CARBOHYDRATE PROTECTING GROUP MANIPULATIONS ASSISTED BY MICROWAVE DIELECTRIC HEATING. Journal of Carbohydrate Chemistry, 2001, 20, 397-410.	1.1	40
144	Synthesis of uronic acid-containing xylans found in wood and pulp. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 873-879.	1.3	18

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