Mark R Wormald

List of Publications by Year
in descending order

161 papers	16,279 citations	16437 64 h-index	15716 125 g-index
168 all docs	168 docs citations	168 times ranked	14023 citing authors

#	Article	IF	Citations
1	A Review of Alpha-1 Antitrypsin Binding Partners for Immune Regulation and Potential Therapeutic Application. International Journal of Molecular Sciences, 2022, 23, 2441.	1.8	17
2	Hanessian-Hullar reaction in the synthesis of highly substituted trans-3,4-dihydroxypyrrolidines: Rhamnulose iminosugar mimics inhibit Î±-glucosidase. Tetrahedron, 2020, 76, 130758.	1.0	2
3	Benefits of Simulations as Remote Exercises During the COVID-19 Pandemic: An Enzyme Kinetics Case Study. Journal of Chemical Education, 2020, 97, 2733-2737.	1.1	25
4	d-Idose, d-Iduronic Acid, and d-Idonic Acid from d-Glucose via Seven-Carbon Sugars. Molecules, 2019, 24, 3758.	1.7	3
5	Isolation from Stevia rebaudiana of DMDP acetic acid, a novel iminosugar amino acid: synthesis and glycosidase inhibition profile of glycine and Î²-alanine pyrrolidine amino acids. Amino Acids, 2019, 51, 991-998.	1.2	7
6	Circulating Truncated Alpha-1 Antitrypsin Glycoprotein in Patient Plasma Retains Anti-Inflammatory Capacity. Journal of Immunology, 2019, 202, 2240-2253.	0.4	20
7	Ataluren, a New Therapeutic for Alpha-1 Antitrypsinâ€“Deficient Individuals with Nonsense Mutations. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1099-1102.	2.5	8
8	Fc gamma receptors: glycobiology and therapeutic prospects. Journal of Inflammation Research, 2016, Volume 9, 209-219.	1.6	71
9	Triacetonide of Glucoheptonic Acid in the Scalable Syntheses of <scp>d</scp>-Gulose, 6-Deoxy-<scp>d</scp>-gulose, <scp>l</scp>-Glucose, 6-Deoxy-<scp>l</scp>-glucose, and Related Sugars. Organic Letters, 2016, 18, 4112-4115.	2.4	11
10	3-Azidoazetidines as the first scaffolds for Î²-amino azetidine carboxylic acid peptidomimetics: azetidine iminosugars containing an acetamido group do not inhibit Î²- N -acetylhexosaminidases. Tetrahedron: Asymmetry, 2016, 27, 872-881.	1.8	4
11	6â€Deoxyhexoses from <scp>l</scp>â€Rhamnose in the Search for Inducers of the Rhamnose Operon: Synergy of Chemistry and Biotechnology. Chemistry - A European Journal, 2016, 22, 12557-12565.	1.7	8
12	At least two Fc Neu5Gc residues of monoclonal antibodies are required for binding to anti-Neu5Gc antibody. Scientific Reports, 2016, 6, 20029.	1.6	16
13	Synthetic Chemical Inducers and Genetic Decoupling Enable Orthogonal Control of the rhaBAD Promoter. ACS Synthetic Biology, 2016, 5, 1136-1145.	1.9	47
14	Challenges of glycosylation analysis and control: an integrated approach to producing optimal and consistent therapeutic drugs. Drug Discovery Today, 2016, 21, 740-765.	3.2	164
15	Comprehensive N-Glycan Profiling of Avian Immunoglobulin Y. PLoS ONE, 2016, 11, e0159859.	1.1	18
16	3-Fluoroazetidinecarboxylic Acids and trans,trans-3,4-Difluoroproline as Peptide Scaffolds: Inhibition of Pancreatic Cancer Cell Growth by a Fluoroazetidine Iminosugar. Journal of Organic Chemistry, 2015, 80, 4244-4258.	1.7	24
17	The BLT1 Inhibitory Function of Î±-1 Antitrypsin Augmentation Therapy Disrupts Leukotriene B4Neutrophil Signaling. Journal of Immunology, 2015, 195, 3628-3641.	0.4	52
18	Soluble human TLR2 ectodomain binds diacylglycerol from microbial lipopeptides and glycolipids. Innate Immunity, 2015, 21, 175-193.	1.1	25

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19	<scp>l</scp>-Fucose from Vitamin C with Only Acetonide Protection. Organic Letters, 2014, 16, 5663-5665.	2.4	9
20	The Role and Importance of Glycosylation of Acute Phase Proteins with Focus on Alpha-1 Antitrypsin in Acute and Chronic Inflammatory Conditions. Journal of Proteome Research, 2014, 13, 3131-3143.	1.8	124
21	Glycosylation and Fc Receptors. Current Topics in Microbiology and Immunology, 2014, 382, 165-199.	0.7	89
22	Nine of 16 Stereoisomeric Polyhydroxylated Proline Amides Are Potent Î²-N-Acetylhexosaminidase Inhibitors. Journal of Organic Chemistry, 2014, 79, 3398-3409.	1.7	30
23	The Presence of Outer Arm Fucose Residues on the N-Glycans of Tissue Inhibitor of Metalloproteinases-1 Reduces Its Activity. Journal of Proteome Research, 2013, 12, 3547-3560.	1.8	17
24	N-Linked Glycan Structures of the Human FcÎ³ Receptors Produced in NS0 Cells. Journal of Proteome Research, 2013, 12, 3721-3737.	1.8	28
25	Modeling of the N-Glycosylated Transferrin Receptor Suggests How Transferrin Binding Can Occur within the Surface Coat of Trypanosoma brucei. PLoS Pathogens, 2012, 8, e1002618.	2.1	36
26	Eight Stereoisomers of Homonojirimycin from <scp>d</scp>-Mannose. Organic Letters, 2012, 14, 2050-2053.	2.4	15
27	Synthesis from <scp>d</scp>-Altrose of (5R,6R,7R,8S)-5,7-Dihydroxy-8-hydroxymethylconidine and 2,4-Dideoxy-2,4-imino-<scp>d</scp>-glucitol, Azetidine Analogues of Swainsonine and 1,4-Dideoxy-1,4-imino-<scp>d</scp>-mannitol. Organic Letters, 2012, 14, 4174-4177.	2.4	21
28	High Throughput Isolation and Glycosylation Analysis of IgGâ€“Variability and Heritability of the IgG Glycome in Three Isolated Human Populations. Molecular and Cellular Proteomics, 2011, 10, M111.010090.	2.5	443
29	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. Journal of the American Chemical Society, 2011, 133, 1987-2001.	6.6	42
30	Differential Nâ€glycosylation of a monoclonal antibody expressed in tobacco leaves with and without endoplasmic reticulum retention signal apparently induces similar in vivo stability in mice. Plant Biotechnology Journal, 2011, 9, 1120-1130.	4.1	25
31	4-C-Me-DAB and 4-C-Me-LABâ€”enantiomeric alkyl-branched pyrrolidine iminosugarsâ€”are specific and potent Î±-glucosidase inhibitors; acetone as the sole protecting group. Tetrahedron Letters, 2011, 52, 219-223.	0.7	35
32	Characterization of simple isomeric oligosaccharides and the rapid separation of glycan mixtures by ion mobility mass spectrometry. International Journal of Mass Spectrometry, 2010, 298, 119-127.	0.7	114
33	A nonself sugar mimic of the HIV glycan shield shows enhanced antigenicity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17107-17112.	3.3	95
34	Polysaccharide mimicry of the epitope of the broadly neutralizing anti-HIV antibody, 2G12, induces enhanced antibody responses to self oligomannose glycans. Glycobiology, 2010, 20, 812-823.	1.3	77
35	Synthesis and Solution-Phase Conformation of the RG-I Fragment of the Plant Polysaccharide Pectin Reveals a Modification-Modulated Assembly Mechanism. Journal of the American Chemical Society, 2010, 132, 7238-7239.	6.6	26
36	Cystic fibrosis and diabetes: isoLAB and isoDAB, enantiomeric carbon-branched pyrrolidine iminosugars. Tetrahedron Letters, 2010, 51, 4170-4174.	0.7	42

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37	Design, Synthesis, and Biological Evaluation of Enantiomeric Î²â€‹Nâ€‹Acetylhexosaminidase Inhibitors LABNAc and DABNAc as Potential Agents against Tayâ€Sachs and Sandhoff Disease. ChemMedChem, 2009, 4, 378-392.	1.6	68
38	A concise approach to the synthesis of all twelve 5-deoxyhexoses: d-tagatose-3-epimeraseâ€”a reagent that is both specific and general. Tetrahedron Letters, 2009, 50, 3559-3563.	0.7	23
39	Doubly carbon-branched pentoses: synthesis of both enantiomers of 2,4-di-C-methyl arabinose and 2-deoxy-2,4-di-C-methyl arabinose using only acetonide protection. Tetrahedron Letters, 2009, 50, 5088-5093.	0.7	6
40	The Conformational Properties of the Glc3Man Unit Suggest Conformational Biasing within the Chaperone-assisted Glycoprotein Folding Pathway. Journal of Molecular Biology, 2009, 387, 335-347.	2.0	22
41	P19-03. Molecular mechanisms for enhancing the antigenicity of the carbohydrate epitope of the broadly neutralizing anti-HIV-1 antibody 2G12. Retrovirology, 2009, 6, .	0.9	0
42	P12-06. A 'non-self' mimic of the natural epitope of anti-HIV antibody 2G12 shows enhanced antigenicity. Retrovirology, 2009, 6, .	0.9	0
43	Isomerization of deoxyhexoses: green bioproduction of 1-deoxy-d-tagatose from l-fucose and of 6-deoxy-d-tagatose from d-fucose using Enterobacter agglomerans strain 221e. Tetrahedron: Asymmetry, 2008, 19, 739-745.	1.8	35
44	Green syntheses of new 2-C-methyl aldohexoses and 5-C-methyl ketohexoses: d-tagatose-3-epimerase (DTE)â€”a promiscuous enzyme. Tetrahedron: Asymmetry, 2008, 19, 1904-1918.	1.8	21
45	Synthesis of the naringinase inhibitors l-swainsonine and related 6-C-methyl-l-swainsonine analogues: (6R)-C-methyl-l-swainsonine is a more potent inhibitor of l-rhamnosidase by an order of magnitude than l-swainsonine. Tetrahedron Letters, 2008, 49, 179-184.	0.7	44
46	Towards the biotechnological isomerization of branched sugars: d-tagatose-3-epimerase equilibrates both enantiomers of 4-C-methyl-ribulose with both enantiomers of 4-C-methyl-xylulose. Tetrahedron Letters, 2008, 49, 3316-3321.	0.7	27
47	Glycosylation Changes on Serum Glycoproteins in Ovarian Cancer May Contribute to Disease Pathogenesis. Disease Markers, 2008, 25, 219-232.	0.6	161
48	Human Follicular Lymphoma Cells Contain Oligomannose Glycans in the Antigen-binding Site of the B-cell Receptor. Journal of Biological Chemistry, 2007, 282, 7405-7415.	1.6	117
49	The Impact of Glycosylation on the Biological Function and Structure of Human Immunoglobulins. Annual Review of Immunology, 2007, 25, 21-50.	9.5	1,180
50	Inhibition of Mammalian Glycan Biosynthesis Produces Non-self Antigens for a Broadly Neutralising, HIV-1 Specific Antibody. Journal of Molecular Biology, 2007, 372, 16-22.	2.0	68
51	Synthesis of and NMR studies on the four diastereomeric 1-deoxy-d-ketohexoses. Tetrahedron: Asymmetry, 2007, 18, 774-786.	1.8	33
52	Synthesis of 2-C-branched derivatives of d-mannose: 2-C-aminomethyl-d-mannose binds to the human C-type lectin DC-SIGN with affinity greater than an order of magnitude compared to that of d-mannose. Tetrahedron: Asymmetry, 2007, 18, 1502-1510.	1.8	27
53	Efficient synthesis from d-lyxonolactone of 2-acetamido-1,4-imino-1,2,4-trideoxy-l-arabinitol LABNAc, a potent pyrrolidine inhibitor of hexosaminidases. Tetrahedron Letters, 2007, 48, 4287-4291.	0.7	30
54	Crystallographic, thermodynamic, and molecular modeling studies of the mode of binding of oligosaccharides to the potent antiviral protein griffithsin. Proteins: Structure, Function and Bioinformatics, 2007, 67, 661-670.	1.5	51

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55	Chromophore Structure in the Photocycle of the Cyanobacterial Phytochrome Cph1. Biophysical Journal, 2006, 91, 1811-1822.	0.2	54
56	Cancer-Associated Glycoforms of Gelatinase B Exhibit a Decreased Level of Binding to Galectin-3â€. Biochemistry, 2006, 45, 15249-15258.	1.2	20
57	Remnant epitopes, autoimmunity and glycosylation. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 610-615.	1.1	38
58	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 GlcÎ±1â€“2GlcÎ± linkage by NMR spectroscopy. Organic and Biomolecular Chemistry, 2006, 4, 2241-2246.	1.5	9
59	Structural comparison of differently glycosylated forms of acid-Î²-glucosidase, the defective enzyme in Gaucher disease. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1458-1465.	2.5	42
60	3,7,7a-Tri-epi-casuarine pentaacetate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o928-o930.	0.2	1
61	Variable region heavy chain glycosylation determines the anticoagulant activity of a factor VIII antibody. Journal of Thrombosis and Haemostasis, 2006, 4, 1047-1055.	1.9	39
62	Sialylation of urinary prothrombin fragment 1 is implicated as a contributory factor in the risk of calcium oxalate kidney stone formation. FEBS Journal, 2006, 273, 3024-3037.	2.2	18
63	Sugar amino acids at the anomeric position of carbohydrates: synthesis of spirocyclic amino acids of 6-deoxy-l-lyxofuranose. Tetrahedron: Asymmetry, 2006, 17, 2276-2286.	1.8	25
64	Isolation synthesis and glycosidase inhibition profile of 3-epi-casuarine. Tetrahedron: Asymmetry, 2006, 17, 2702-2712.	1.8	38
65	Structural aspects of glycomes with a focus on N-glycosylation and glycoprotein folding. Current Opinion in Structural Biology, 2006, 16, 600-607.	2.6	79
66	The Hemopexin and O-Glycosylated Domains Tune Gelatinase B/MMP-9 Bioavailability via Inhibition and Binding to Cargo Receptors. Journal of Biological Chemistry, 2006, 281, 18626-18637.	1.6	163
67	Design and synthesis of iminosugar-based inhibitors of glucosylceramide synthase: the search for new therapeutic agents against Gaucher disease. Tetrahedron: Asymmetry, 2005, 16, 1747-1756.	1.8	47
68	2-Acetamido-N-benzyl-1,4-imino-1,2,4-trideoxy-L-ribitol. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o930-o932.	0.2	0
69	2-Acetamido-N-benzyl-1,4-imino-1,2,4-trideoxy-L-arabinitol 0.33-hydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1683-o1685.	0.2	0
70	1,2:3,4-Di-O-isopropylidene-Î±-D-tagatofuranose. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2891-o2893.	0.2	2
71	1,2:3,4-Di-O-isopropylidene-Î²-D-psicofuranose. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2949-o2951.	0.2	4
72	Human Serum IgM Glycosylation. Journal of Biological Chemistry, 2005, 280, 29080-29087.	1.6	209

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73	Differential Glycosylation of Gelatinase B from Neutrophils and Breast Cancer Cells. Advances in Experimental Medicine and Biology, 2005, 564, 103-112.	0.8	1
74	Glycosylation Influences the Lectin Activities of the Macrophage Mannose Receptor. Journal of Biological Chemistry, 2005, 280, 32811-32820.	1.6	69
75	Afamin Is a Novel Human Vitamin E-Binding Glycoprotein Characterization and In Vitro Expression. Journal of Proteome Research, 2005, 4, 889-899.	1.8	97
76	Complement regulation at the molecular level: The structure of decay-accelerating factor. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1279-1284.	3.3	112
77	The Glycosylation of Human Serum IgD and IgE and the Accessibility of Identified Oligomannose Structures for Interaction with Mannan-Binding Lectin. Journal of Immunology, 2004, 173, 6831-6840.	0.4	100
78	maternally expressed gene1Is a Novel Maize Endosperm Transfer Cellâ€“Specific Gene with a Maternal Parent-of-Origin Pattern of Expression[W]. Plant Cell, 2004, 16, 1288-1301.	3.1	174
79	Sugar-mediated ligandâ€“receptor interactions in the immune system. Trends in Biotechnology, 2004, 22, 524-530.	4.9	102
80	Carbohydrates and glycoconjugates. Current Opinion in Structural Biology, 2004, 14, 591-592.	2.6	8
81	Looking glass inhibitors:l-DMDP, a more potent and specific inhibitor of Î±-glucosidases than the enantiomeric natural product DMDP. Chemical Communications, 2004, , 1936-1937.	2.2	51
82	Controlled glycosylation of therapeutic antibodies in plants. Archives of Biochemistry and Biophysics, 2004, 426, 266-278.	1.4	85
83	Synthesis of fluorescence-labelled disaccharide substrates of glucosidase II. Carbohydrate Research, 2003, 338, 1937-1949.	1.1	18
84	Australine and related alkaloids: easy structural confirmation by 13C NMR spectral data and biological activities. Tetrahedron: Asymmetry, 2003, 14, 325-331.	1.8	100
85	Secretory IgA N- and O-Glycans Provide a Link between the Innate and Adaptive Immune Systems. Journal of Biological Chemistry, 2003, 278, 20140-20153.	1.6	300
86	Statistical analysis of the protein environment of N-glycosylation sites: implications for occupancy, structure, and folding. Glycobiology, 2003, 14, 103-114.	1.3	391
87	O-Glycan Sialylation and the Structure of the Stalk-like Region of the T Cell Co-receptor CD8. Journal of Biological Chemistry, 2003, 278, 27119-27128.	1.6	45
88	Antibody Domain Exchange Is an Immunological Solution to Carbohydrate Cluster Recognition. Science, 2003, 300, 2065-2071.	6.0	736
89	The Carbohydrate Epitope of the Neutralizing Anti-HIV-1 Antibody 2G12. Advances in Experimental Medicine and Biology, 2003, 535, 205-218.	0.8	65
90	Preparation, biochemical characterization and biological properties of radiolabelled N-alkylated deoxynojirimycins. Biochemical Journal, 2002, 366, 225-233.	1.7	75

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91	The Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 Antibody 2G12 Recognizes a Cluster of Î±1â†'2 Mannose Residues on the Outer Face of gp120. Journal of Virology, 2002, 76, 7306-7321.	1.5	664
92	â€œInternal Residue Lossâ€•â€‰ Rearrangements Occurring during the Fragmentation of Carbohydrates Derivatized at the Reducing Terminus. Analytical Chemistry, 2002, 74, 734-740.	3.2	147
93	Conformational Studies of Oligosaccharides and Glycopeptides:â€‰ Complementarity of NMR, X-ray Crystallography, and Molecular Modelling. Chemical Reviews, 2002, 102, 371-386.	23.0	400
94	Glycosylation and prion protein. Current Opinion in Structural Biology, 2002, 12, 578-586.	2.6	81
95	Total synthesis of the Glc3Man N-glycan tetrasaccharide. Tetrahedron, 2002, 58, 9403-9411.	1.0	46
96	Carbopeptoids: peptides and diketopiperazines incorporating the anomeric centre of mannopyranose. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 807-813.	1.3	17
97	Glycosylation and the Immune System. Science, 2001, 291, 2370-2376.	6.0	1,487
98	Matrix remodelling enzymes, the protease cascade and glycosylation. Biochimica Et Biophysica Acta - General Subjects, 2001, 1528, 61-73.	1.1	84
99	Prion Glycoprotein:â€‰ Structure, Dynamics, and Roles for the Sugars. Biochemistry, 2001, 40, 3759-3766.	1.2	126
100	A family of novel, acidic N-glycans in Bowes melanoma tissue plasminogen activator have L2/HNK-1-bearing antennae, many with sulfation of the fucosylated chitobiose core. FEBS Journal, 2001, 268, 4063-4078.	0.2	12
101	Antibodies inhibit prion propagation and clear cell cultures of prion infectivity. Nature, 2001, 412, 739-743.	13.7	503
102	Fluorescence labelling of carbohydrates with 2-aminobenzamide (2AB). Tetrahedron: Asymmetry, 2000, 11, 4985-4994.	1.8	22
103	Molecular requirements of imino sugars for the selective control of N-linked glycosylation and glycosphingolipid biosynthesis. Tetrahedron: Asymmetry, 2000, 11, 113-124.	1.8	137
104	O-Linked Glycosylation in Focus.. Trends in Glycoscience and Glycotechnology, 2000, 12, 35-49.	0.0	25
105	Mutations at Critical N-Glycosylation Sites Reduce Tyrosinase Activity by Altering Folding and Quality Control. Journal of Biological Chemistry, 2000, 275, 8169-8175.	1.6	113
106	O-Glycan Analysis of Natural Human Neutrophil Gelatinase B Using a Combination of Normal Phase-HPLC and Online Tandem Mass Spectrometry:Â Implications for the Domain Organization of the Enzymeâ€. Biochemistry, 2000, 39, 15695-15704.	1.2	87
107	Hybrid and Complex Glycans Are Linked to the Conserved N-Glycosylation Site of the Third Eight-Cysteine Domain of LTBP-1 in Insect Cellsâ€. Biochemistry, 2000, 39, 1596-1603.	1.2	37
108	Glycosylation and the Immune System.. Trends in Glycoscience and Glycotechnology, 1999, 11, 1-21.	0.0	13

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109	A statistical analysis of N- and O-glycan linkage conformations from crystallographic data. Glycobiology, 1999, 9, 343-352.	1.3	125
110	Glycosylation differences between the normal and pathogenic prion protein isoforms. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13044-13049.	3.3	263
111	Polyhydroxylated pyrrolidine and pyrrolizidine alkaloids from Hyacinthoides non-scripta and Scilla campanulata. Carbohydrate Research, 1999, 316, 95-103.	1.1	126
112	Glycoproteins: glycan presentation and protein-fold stability. Structure, 1999, 7, R155-R160.	1.6	260
113	Tyrosinase Folding and Copper Loading in Vivo: A Crucial Role for Calnexin and Î±-Glucosidase II. Biochemical and Biophysical Research Communications, 1999, 261, 720-725.	1.0	82
114	Crystal Structures of Two H-2Db/Glycopeptide Complexes Suggest a Molecular Basis for CTL Cross-Reactivity. Immunity, 1999, 10, 63-74.	6.6	121
115	Glycosylation of Natural Human Neutrophil Gelatinase B and Neutrophil Gelatinase B-Associated Lipocalin. Biochemistry, 1999, 38, 13937-13950.	1.2	108
116	Roles for glycosylation of cell surface receptors involved in cellular immune recognition. Journal of Molecular Biology, 1999, 293, 351-366.	2.0	221
117	Oligosaccharide analysis and molecular modeling of soluble forms of glycoproteins belonging to the Ly-6, scavenger receptor, and immunoglobulin superfamilies expressed in Chinese hamster ovary cells. Glycobiology, 1999, 9, 443-458.	1.3	37
118	The high degree of internal flexibility observed for an oligomannose oligosaccharide does not alter the overall topology of the molecule. FEBS Journal, 1998, 258, 372-386.	0.2	131
119	Spirodiketopiperazines of mannofuranose: carbopeptoid Î±-amino acid esters at the anomeric position of mannofuranose. Tetrahedron: Asymmetry, 1998, 9, 2137-2154.	1.8	31
120	Configurational and conformational analysis of highly oxygenated pyrrolizidines: definitive identification of some naturally occurring 7a-epi-alexines. Tetrahedron: Asymmetry, 1998, 9, 2549-2558.	1.8	48
121	The Glycosylation and Structure of Human Serum IgA1, Fab, and Fc Regions and the Role of N-Glycosylation on FcÎ± Receptor Interactions. Journal of Biological Chemistry, 1998, 273, 2260-2272.	1.6	363
122	The Glycosylation of the Complement Regulatory Protein, Human Erythrocyte CD59. Advances in Experimental Medicine and Biology, 1998, 435, 153-162.	0.8	11
123	The Glycosylation of the Complement Regulatory Protein, Human Erythrocyte CD59. Journal of Biological Chemistry, 1997, 272, 7229-7244.	1.6	154
124	Roles for glycosylation in the anti-inflammatory molecule CD59. Biochemical Society Transactions, 1997, 25, 1177-1184.	1.6	6
125	Variations in Oligosaccharideâ"Protein Interactions in Immunoglobulin G Determine the Site-Specific Glycosylation Profiles and Modulate the Dynamic Motion of the Fc Oligosaccharides. Biochemistry, 1997, 36, 1370-1380.	1.2	188
126	The solution NMR structure of glucosylated N-glycans involved in the early stages of glycoprotein biosynthesis and folding. EMBO Journal, 1997, 16, 4302-4310.	3.5	91

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127	Glycosidase-inhibiting pyrrolidine alkaloids from Hyacinthoides non-scripta. Phytochemistry, 1997, 46, 255-259.	1.4	91
128	Effect of SerineO-Glycosylation onCis-TransProline Isomerization. Biochemical and Biophysical Research Communications, 1996, 219, 157-162.	1.0	13
129	Mimics of l-rhamnose: Analogues of rhamnopyranose containing a constituent Î±-amino acid at the anomeric position. A rhamnopyranose analogue of hydantocidin. Tetrahedron: Asymmetry, 1996, 7, 391-394.	1.8	34
130	The isolation from Nicandra physalodes and identification of the 3-O-Î²-D-glucopyranoside of 1Î±,2Î²,3Î±,6Î±-tetrahydroxy-nor-tropane (Calystegine B1). Tetrahedron Letters, 1996, 37, 3207-3208.	0.7	36
131	A galactopyranose analogue of hydantocidin. Tetrahedron: Asymmetry, 1996, 7, 157-170.	1.8	27
132	Glycosylation changes of IgG associated with rheumatooid arthritis can activate complement via the mannose-binding protein. Nature Medicine, 1995, 1, 237-243.	15.2	729
133	Potent inhibition of glycogen phosphorylase by a spirohydantoin of glucopyranose: First pyranose analogues of hydantocidin. Tetrahedron Letters, 1995, 36, 2145-2148.	0.7	148
134	Spirodiketopiperazines at the anomeric position of mannopyranose: Novel N- linked glycopeptides incorporating an Î±- amino acid at the anomeric position of mannopyranose. Tetrahedron Letters, 1995, 36, 8287-8290.	0.7	5
135	The effects of variable glycosylation on the functional activities of ribonuclease, plasminogen and tissue plasminogen activator. BBA - Proteins and Proteomics, 1995, 1248, 1-10.	2.1	97
136	Selective placental transport of maternal IgG to the fetus. Placenta, 1995, 16, 749-756.	0.7	51
137	Spirodiketopiperazines at the Anomeric position of Mannopyranose: Novel N-Linked Glycopeptides Incorporating an Î±-amino acid at the Anomeric Position of Mannopyranose. Tetrahedron Letters, 1995, 36, 8287-8290.	0.7	19
138	Tri- and tetra-peptides incorporating an Î±-amino acid at the anomeric position of mannofuranose. Tetrahedron Letters, 1994, 35, 8885-8888.	0.7	26
139	Casuarine: A very highly oxygenated pyrrolizidine alkaloid. Tetrahedron Letters, 1994, 35, 7849-7852.	0.7	90
140	Spirocyclic peptides at the anomeric position of mannofuranose. Tetrahedron Letters, 1994, 35, 8889-8890.	0.7	29
141	The systematic use of negative nuclear overhauser constraints in the determination of oligosaccharide conformations: application to sialyl-Lewis X. Carbohydrate Research, 1993, 246, 337-344.	1.1	18
142	Synthesis of 1,5-dideoxy-3-O-(Î±-D-mannopyranosyl)-1,5-imino-D-mannitol and 1,5-dideoxy-3-O-(Î±-D-glucopyranosyl)-1,5-imino-D-mannitol: Powerful inhibitors of endomannosidase. Tetrahedron: Asymmetry, 1993, 4, 2011-2024.	1.8	22
143	Use of hydrazine to release in intact and unreduced form both N- and O-linked oligosaccharides from glycoproteins. Biochemistry, 1993, 32, 679-693.	1.2	378
144	Analysis of Glycoprotein-Associated Oligosaccharides. Annual Review of Biochemistry, 1993, 62, 65-100.	5.0	212

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145	The conformational effects of N-linked glycosylation. Biochemical Society Transactions, 1993, 21, 452-455.	1.6	6
146	Fast sequencing of oligosaccharides: the reagent-array analysis method.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 6338-6342.	3.3	129
147	Fast sequencing of oligosaccharides using arrays of enzymes. Nature, 1992, 358, 693-694.	13.7	18
148	New methods for measurement of long-range proton-carbon coupling constants in oligosaccharides. Journal of Magnetic Resonance, 1992, 97, 411-418.	0.5	4
149	The solution conformation of the Le group. Biochemical and Biophysical Research Communications, 1991, 180, 1214-1221.	1.0	82
150	Characterisation of oligosaccharides from Drosophila melanogaster glycoproteins. Biochimica Et Biophysica Acta - General Subjects, 1991, 1075, 146-153.	1.1	61
151	Following the spatial distribution of a solid dissolving at an interface by high-resolution nuclear magnetic resonance spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 1585.	1.7	2
152	Changes in IgG glycoform levels are associated with remission of arthritis during pregnancy. Journal of Autoimmunity, 1991, 4, 779-794.	3.0	206
153	Some structural features of the iron-uptake regulation protein. FEBS Journal, 1991, 197, 29-38.	0.2	58
154	The conformational effects of N-glycosylation on the tailpiece from serum IgM. FEBS Journal, 1991, 198, 131-139.	0.2	99
155	Full simulation of ROESY, including the Hartmann-Hahn effects. Chemical Physics Letters, 1990, 174, 313-319.	1.2	15
156	Structure and function of X-Pro dipeptide repeats in the TonB proteins of Salmonella typhimurium and Escherichia coli. Journal of Molecular Biology, 1990, 216, 883-895.	2.0	104
157	Solution NMR studies of colicin E1 C-terminal thermolytic peptide. Structural comparison with colicin A and the effects of pH changes. FEBS Journal, 1990, 191, 155-161.	0.2	35
158	NMR studies of phase boundaries using magnetic susceptibility changes: Relaxation rates near phase boundaries. Colloids and Surfaces, 1989, 36, 179-191.	0.9	2
159	Identification and description of Î²-structure in horse muscle acylphosphatase by nuclear magnetic resonance spectroscopy. Journal of Molecular Biology, 1989, 207, 405-415.	2.0	29
160	Theory of resonance in magnetically inhomogeneous specimens and some useful calculations. Journal of Magnetic Resonance, 1988, 77, 223-232.	0.5	6
161	Mapping space by NMR using susceptibility changes at phase boundaries. Journal of Inorganic Biochemistry, 1986, 28, 381-391.	1.5	9