Ten Feizi

List of Publications by Year
in descending order

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245 papers	17,926 citations	14655 66 h-index	15732 125 g-index
258 all docs	258 docs citations	258 times ranked	13494 citing authors

#	Article	IF	Citations
1	Demonstration by monoclonal antibodies that carbohydrate structures of glycoproteins and glycolipids are onco-developmental antigens. Nature, 1985, 314, 53-57.	27.8	1,270
2	A Potent and Broad Neutralizing Antibody Recognizes and Penetrates the HIV Glycan Shield. Science, 2011, 334, 1097-1103.	12.6	644
3	Oligosaccharide microarrays for high-throughput detection and specificity assignments of carbohydrate-protein interactions. Nature Biotechnology, 2002, 20, 1011-1017.	17.5	613
4	GM1 structure determines SV40-induced membrane invagination and infection. Nature Cell Biology, 2010, 12, 11-18.	10.3	535
5	Complex-type N -glycan recognition by potent broadly neutralizing HIV antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3268-77.	7.1	505
6	Mannose Receptor-Mediated Regulation of Serum Glycoprotein Homeostasis. Science, 2002, 295, 1898-1901.	12.6	453
7	Notum deacylates Wnt proteins to suppress signalling activity. Nature, 2015, 519, 187-192.	27.8	348
8	Broadly Neutralizing HIV Antibodies Define a Glycan-Dependent Epitope on the Prefusion Conformation of gp41 on Cleaved Envelope Trimers. Immunity, 2014, 40, 657-668.	14.3	342
9	Ligands for the Î²-Glucan Receptor, Dectin-1, Assigned Using â€œDesignerâ€•Microarrays of Oligosaccharide Probes (Neoglycolipids) Generated from Glucan Polysaccharides. Journal of Biological Chemistry, 2006, 281, 5771-5779.	3.4	329
10	Supersite of immune vulnerability on the glycosylated face of HIV-1 envelope glycoprotein gp120. Nature Structural and Molecular Biology, 2013, 20, 796-803.	8.2	314
11	Carbohydrate recognition systems: functional triads in cellâ€”cell interactions. Current Opinion in Structural Biology, 1996, 6, 679-691.	5.7	301
12	Receptor-binding specificity of pandemic influenza A (H1N1) 2009 virus determined by carbohydrate microarray. Nature Biotechnology, 2009, 27, 797-799.	17.5	299
13	Carbohydrate microarrays â€” a new set of technologies at the frontiers of glycomics. Current Opinion in Structural Biology, 2003, 13, 637-645.	5.7	290
14	Oligosaccharide ligands for NKR-P1 protein activate NK cells and cytotoxicity. Nature, 1994, 372, 150-157.	27.8	282
15	Malectin: A Novel Carbohydrate-binding Protein of the Endoplasmic Reticulum and a Candidate Player in the Early Steps of ProteinN-Glycosylation. Molecular Biology of the Cell, 2008, 19, 3404-3414.	2.1	263
16	Novel sulfated ligands for the cell adhesion molecule E-selectin revealed by the neoglycolipid technology among O-linked oligosaccharides on an ovarian cystadenoma glycoprotein. Biochemistry, 1992, 31, 9126-9131.	2.5	261
17	Oligosaccharide microarrays to decipher the glyco code. Nature Reviews Molecular Cell Biology, 2004, 5, 582-588.	37.0	237
18	The antigenic determinants recognized by three monoclonal antibodies to keratan sulphate involve sulphated hepta- or larger oligosaccharides of the poly(N-acetyllactosamine) series. FEBS Journal, 1986, 157, 385-391.	0.2	221

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19	Crosslinking of mammalian lectin (galectin-1) by complex biantennary saccharides. Nature Structural and Molecular Biology, 1994, 1, 863-870.	8.2	218
20	Oligosaccharides that mediate mammalian cell-cell adhesion. Current Opinion in Structural Biology, 1993, 3, 701-710.	5.7	216
21	Erythrocyte receptors for Mycoplasma pneumoniae are sialylated oligosaccharides of Ii antigen type. Nature, 1984, 307, 560-563.	27.8	211
22	Blood group i and I activities of â€œlacto-N-norhexaosylceramideâ€•and its analogues: The structural requirements for i-specificities. Biochemical and Biophysical Research Communications, 1978, 81, 1286-1293.	2.1	204
23	Altered Receptor Specificity and Cell Tropism of D222G Hemagglutinin Mutants Isolated from Fatal Cases of Pandemic A(H1N1) 2009 Influenza Virus. Journal of Virology, 2010, 84, 12069-12074.	3.4	190
24	Protection by Anti-Î²-Glucan Antibodies Is Associated with Restricted Î²-1,3 Glucan Binding Specificity and Inhibition of Fungal Growth and Adherence. PLoS ONE, 2009, 4, e5392.	2.5	184
25	Structure-Function Analysis of the Human JC Polyomavirus Establishes the LSTc Pentasaccharide as a Functional Receptor Motif. Cell Host and Microbe, 2010, 8, 309-319.	11.0	167
26	The Cysteine-Rich Domain of the Macrophage Mannose Receptor Is a Multispecific Lectin That Recognizes Chondroitin Sulfates a and B and Sulfated Oligosaccharides of Blood Group Lewisa and Lewisx Types in Addition to the Sulfated N-Glycans of Lutropin. Journal of Experimental Medicine, 2000, 191, 1117-1126.	8.5	163
27	Recognition of DHN-melanin by a C-type lectin receptor is required for immunity to Aspergillus. Nature, 2018, 555, 382-386.	27.8	157
28	Broad neutralization by a combination of antibodies recognizing the CD4 binding site and a new conformational epitope on the HIV-1 envelope protein. Journal of Experimental Medicine, 2012, 209, 1469-1479.	8.5	156
29	Carbohydrate differentiation antigens: probable ligands for cell adhesion molecules. Trends in Biochemical Sciences, 1991, 16, 84-86.	7.5	152
30	Carbohydrate-mediated recognition systems in innate immunity. Immunological Reviews, 2000, 173, 79-88.	6.0	152
31	N -Glycolyl GM1 Ganglioside as a Receptor for Simian Virus 40. Journal of Virology, 2007, 81, 12846-12858.	3.4	150
32	Marker of peripheral blood granulocytes and monocytes of man recognized by two monoclonal antibodies VEP8 and VEP9 involves the trisaccharide 3-fucosyl-N-acetyllactosamine. European Journal of Immunology, 1983, 13, 306-312.	2.9	148
33	IMMUNOCHEMICAL STUDIES ON BLOOD GROUPS. Journal of Experimental Medicine, 1971, 133, 39-52.	8.5	142
34	High and low affinity carbohydrate ligands revealed for murine SIGN-R1 by carbohydrate array and cell binding approaches, and differing specificities for SIGN-R3 and langerin. International Immunology, 2004, 16, 853-866.	4.0	131
35	Lateral sorting in model membranes by cholesterol-mediated hydrophobic matching. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16628-16633.	7.1	131
36	Neoglycolipid Probes Prepared via Oxime Ligation for Microarray Analysis of Oligosaccharide-Protein Interactions. Chemistry and Biology, 2007, 14, 847-859.	6.0	126

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37	Crystal Structure of the Cysteine-Rich Domain of Mannose Receptor Complexed with a Sulfated Carbohydrate Ligand. Journal of Experimental Medicine, 2000, 191, 1105-1116.	8.5	123
38	GlyGen: Computational and Informatics Resources for Glycoscience. Glycobiology, 2020, 30, 72-73.	2.5	123
39	Carbohydrate microarrays: key developments in glycobiology. Biological Chemistry, 2009, 390, 647-656.	2.5	120
40	High prevalence of 2-mono- and 2,6-di-substituted Manol-terminating sequences among O-glycans released from brain glycopeptides by reductive alkaline hydrolysis. FEBS Journal, 1999, 263, 879-888.	0.2	119
41	Brain Contains HNK-1 Immunoreactive O-Glycans of the Sulfoglucuronyl Lactosamine Series that Terminate in 2-Linked or 2,6-Linked Hexose (Mannose). Journal of Biological Chemistry, 1997, 272, 8924-8931.	3.4	118
42	MIRAGE: The minimum information required for a glycomics experiment. Glycobiology, 2014, 24, 402-406.	2.5	116
43	[28] Neoglycolipids: Probes of oligosaccharide structure, antigenicity, and function. Methods in Enzymology, 1994, 230, 484-519.	1.0	113
44	Tumour-associated and differentiation antigens on the carbohydrate moieties of mucin-type glycoproteins. Biochemical Society Transactions, 1984, 12, 591-596.	3.4	111
45	The C-type Lectin Receptor CLECSF8 (CLEC4D) Is Expressed by Myeloid Cells and Triggers Cellular Activation through Syk Kinase. Journal of Biological Chemistry, 2012, 287, 25964-25974.	3.4	110
46	Structural analysis of the O-glycosidically linked core-region oligosaccharides of human meconium glycoproteins which express oncofoetal antigens. FEBS Journal, 1985, 148, 367-377.	0.2	109
47	IMMUNOCHEMICAL STUDIES ON BLOOD GROUPS. Journal of Experimental Medicine, 1972, 135, 1247-1258.	8.5	107
48	Atomic resolution insight into host cell recognition by Toxoplasma gondii. EMBO Journal, 2007, 26, 2808-2820.	7.8	98
49	Carbohydrate differentiation antigens. Trends in Biochemical Sciences, 1981, 6, 333-335.	7.5	97
50	The GM2 Glycan Serves as a Functional Coreceptor for Serotype 1 Reovirus. PLoS Pathogens, 2012, 8, e1003078.	4.7	93
51	Recognition of the major cell surface glycoconjugates of Leishmania parasites by the human serum mannan-binding protein. Molecular and Biochemical Parasitology, 1994, 66, 319-328.	1.1	91
52	Evidence for the occurrence of O-glycosidically linked oligosaccharides of poly-N-acetyllactosamine type on the human leucocyte common antigen. Biochemical and Biophysical Research Communications, 1983, 110, 424-431.	2.1	90
53	Members of a Novel Protein Family Containing Microneme Adhesive Repeat Domains Act as Sialic Acid-binding Lectins during Host Cell Invasion by Apicomplexan Parasites. Journal of Biological Chemistry, 2010, 285, 2064-2076.	3.4	90
54	Sialyl-LewisxSequence 6-O-Sulfated atN-Acetylglucosamine Rather Than at Galactose Is the Preferred Ligand forl-Selectin and De-N-acetylation of the Sialic Acid Enhances the Binding Strength. Biochemical and Biophysical Research Communications, 1997, 240, 748-751.	2.1	87

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55	Carbohydrate microarrays reveal sulphation as a modulator of siglec binding. Biochemical and Biophysical Research Communications, 2006, 344, 1141-1146.	2.1	85
56	Oligosaccharide-mediated interactions of the envelope glycoprotein gp120 of HIV-1 that are independent of CD4 recognition. Aids, 1989, 3, 793-798.	2.2	84
57	AIDS and glycosylation. Glycobiology, 1990, 1, 17-23.	2.5	84
58	Further studies of the binding specificity of the leukocyte adhesion molecule, L-selectin, towards sulphated oligosaccharidesâ€"suggestion of a link between the selectin- and the integrin-mediated lymphocyte adhesion systems. Glycobiology, 1995, 5, 29-38.	2.5	80
59	The neoglycolipid (NGL)-based oligosaccharide microarray system poised to decipher the meta-glycome. Current Opinion in Chemical Biology, 2014, 18, 87-94.	6.1	79
60	1H-NMR studies at 500 MHz of a neutral disaccharide and sulphated di-, tetra-, hexa- and larger oligosaccharides obtained by endo-beta-galactosidase treatment of keratan sulphate. FEBS Journal, 1986, 157, 375-384.	0.2	78
61	The Le^x Carbohydrate Sequence Is Recognized by Antibody to L5, a Functional Antigen in Early Neural Development. Journal of Neurochemistry, 1996, 66, 834-844.	3.9	78
62	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.	2.5	77
63	The First Total Synthesis of 6-Sulfo-de-N-acetylsialyl Lewisx Ganglioside: A Superior Ligand for Human L-Selectin. Angewandte Chemie - International Edition, 1999, 38, 1131-1133.	13.8	75
64	O-glycosylation pattern of CD24 from mouse brain. Biological Chemistry, 2009, 390, 627-645.	2.5	74
65	Neutral oligosaccharides of bovine submaxillary mucin. A combined mass spectrometry and 1H-NMR study. FEBS Journal, 1992, 203, 257-268.	0.2	72
66	A Structure-Guided Mutation in the Major Capsid Protein Retargets BK Polyomavirus. PLoS Pathogens, 2013, 9, e1003688.	4.7	70
67	Polysialic acid is a cellular receptor for human adenovirus 52. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4264-E4273.	7.1	70
68	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	2.5	69
69	COLD AGGLUTININS, THE DIRECT COOMBS' TEST AND SERUM IMMUNOGLOBULINS IN MYCOPLASMA PNEUMONIAE INFECTION. Annals of the New York Academy of Sciences, 1967, 143, 801-812.	3.8	68
70	Progress in deciphering the information content of the 'glycome'--a crescendo in the closing years of the millennium. , 2000, 17, 553-565.		68
71	Effects of egg-adaptation on receptor-binding and antigenic properties of recent influenza A (H3N2) vaccine viruses. Journal of General Virology, 2016, 97, 1333-1344.	2.9	66
72	Isolation and characterization of sulphated oligosaccharides released from bovine corneal keratan sulphate by the action of endo-beta-galactosidase. FEBS Journal, 1986, 157, 365-373.	0.2	64

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73	Neoglycolipid-Based Oligosaccharide Microarray System: Preparation of NGLs and Their Noncovalent Immobilization on Nitrocellulose-Coated Glass Slides for Microarray Analyses. Methods in Molecular Biology, 2012, 808, 117-136.	0.9	64
74	Potent Fluoroâ€oligosaccharide Probes of Adhesion in Toxoplasmosis. ChemBioChem, 2009, 10, 2522-2529.	2.6	63
75	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	2.5	62
76	Structural characterization by chromatographic profiling of the oligosaccharides of human immunodeficiency virus (HIV) recombinant envelope glycoprotein gp120 produced in chinese hamster ovary cells. Biomedical Chromatography, 1987, 2, 260-270.	1.7	61
77	Microscale sequencing of O-linked oligosaccharides using mild periodate oxidation of alditols, coupling to phospholipid and TLC-MS analysis of the resulting neoglycolipids. FEBS Journal, 1990, 189, 499-507.	0.2	60
78	10E4 Antigen of Scrapie Lesions Contains an Unusual Nonsulfated Heparan Motif. Journal of Biological Chemistry, 2001, 276, 12539-12545.	3.4	59
79	Identification of a Low Affinity Mannose 6-Phosphate-binding Site in Domain 5 of the Cation-independent Mannose 6-Phosphate Receptor. Journal of Biological Chemistry, 2004, 279, 38658-38667.	3.4	58
80	The Role of Sialyl Glycan Recognition in Host Tissue Tropism of the Avian Parasite Eimeria tenella. PLoS Pathogens, 2011, 7, e1002296.	4.7	58
81	Unravelling Glucan Recognition Systems by Glycome Microarrays Using the Designer Approach and Mass Spectrometry. Molecular and Cellular Proteomics, 2015, 14, 974-988.	3.8	58
82	New structural insights into lectin-type proteins of the immune system. Current Opinion in Structural Biology, 2001, 11, 635-643.	5.7	57
83	Heparin increases the infectivity of Human Papillomavirus Type 16 independent of cell surface proteoglycans and induces L1 epitope exposure. Cellular Microbiology, 2013, 15, n/a-n/a.	2.1	57
84	Human Adenovirus 52 Uses Sialic Acid-containing Glycoproteins and the Coxsackie and Adenovirus Receptor for Binding to Target Cells. PLoS Pathogens, 2015, 11, e1004657.	4.7	57
85	BLOOD-GROUP PRECURSORS AND CANCER-RELATED ANTIGENS. Lancet, The, 1975, 306, 391-393.	13.7	56
86	Two mouse hybridoma antibodies against human milk-fat globules recognise the I(MA) antigenic determinant Î²-d-Galp-(1â†'4)-Î²-d-GlcpNAc-(1â†'6). Carbohydrate Research, 1983, 120, 293-302.	2.3	56
87	Single human B cell-derived monoclonal anti-Candida antibodies enhance phagocytosis and protect against disseminated candidiasis. Nature Communications, 2018, 9, 5288.	12.8	56
88	The Adhesive Specificity of the Soluble Human Lectin, IgE-Binding Protein, toward Lipid-Linked Oligosaccharides. Presence of the Blood Group A, B, B-like, and H Monosaccharides Confers a Binding Activity to Tetrasaccharide (Lacto-N-tetraose and Lacto-N-neotetraose) Backbones. Biochemistry, 1994, 33, 6342-6349.	2.5	55
89	High-sensitivity structural analyses of oligosaccharide probes (neoglycolipids) by liquid-secondary-ion mass spectrometry. Carbohydrate Research, 1990, 200, 47-57.	2.3	54
90	Neoglycolipid Technology: Deciphering Information Content of Glycome. Methods in Enzymology, 2003, 362, 160-195.	1.0	54

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91	The monoclonal antibody anti-SSEA-1 discriminates between fucosylated type 1 and type 2 blood group chains. FEBS Letters, 1981, 131, 279-282.	2.8	53
92	Valency Dependent Patterns of Binding of Human L-Selectin toward Sialyl and Sulfated Oligosaccharides of Lea and Lex Types:â€‰ Relevance to Anti-Adhesion Therapeutics. Biochemistry, 1997, 36, 5260-5266.	2.5	52
93	Mannan detecting C-type lectin receptor probes recognise immune epitopes with diverse chemical, spatial and phylogenetic heterogeneity in fungal cell walls. PLoS Pathogens, 2020, 16, e1007927.	4.7	52
94	Carbohydrate Sequence of the Prostate Cancer-associated Antigen F77 Assigned by a Mucin O-Glycome Designer Array. Journal of Biological Chemistry, 2014, 289, 16462-16477.	3.4	51
95	Differences in carbohydrate moieties of high molecular weight glycoproteins of human lymphocytes of T and B origins revealed by monoclonal autoantibodies with anti-I and anti-I specificities. Biochemical and Biophysical Research Communications, 1981, 102, 1158-1164.	2.1	50
96	Structural analysis of hexa- to octa-saccharide fractions isolated from sheep gastric-glycoproteins having blood-group I and i activities. Carbohydrate Research, 1981, 90, 283-307.	2.3	48
97	Structural Flexibility of the Macrophage Dengue Virus Receptor CLEC5A. Journal of Biological Chemistry, 2011, 286, 24208-24218.	3.4	48
98	Transformation and growth related changes in levels of nuclear and cytoplasmic proteins antigenically related to mammalian Î²-galactoside-binding lectin. Biochemical and Biophysical Research Communications, 1985, 127, 680-686.	2.1	47
99	NEW TYPE OF ADHESIVE SPECIFICITY REVEALED BY OLIGOSACCHARIDE PROBES IN ESCHERICHIA COLI FROM PATIENTS WITH URINARY TRACT INFECTION. Lancet, The, 1988, 332, 1327-1330.	13.7	47
100	Structural Basis for Multiple Sugar Recognition of Jacalin-related Human ZG16p Lectin. Journal of Biological Chemistry, 2014, 289, 16954-16965.	3.4	47
101	Calf heart lectin reacts with blood group Ii antigens and other precursor chains of the major blood group antigens. FEBS Letters, 1979, 99, 175-179.	2.8	46
102	Glycan Specificity of P[19] Rotavirus and Comparison with Those of Related P Genotypes. Journal of Virology, 2016, 90, 9983-9996.	3.4	46
103	Expression of blood group I and i active carbohydrate sequences on cultured human and animal cell lines assessed by radioimmunoassays with monoclonal cold agglutinins. European Journal of Immunology, 1980, 10, 379-384.	2.9	44
104	A new O-glycosidically linked tri-hexosamine core structure in sheep gastric mucin: A preliminary note. Biochemical and Biophysical Research Communications, 1980, 92, 1143-1150.	2.1	44
105	L-selectin Interactions with Novel Mono- and Multisulfated Lewisx Sequences in Comparison with the Potent Ligand 3â€²-Sulfated Lewisa. Journal of Biological Chemistry, 1999, 274, 18213-18217.	3.4	44
106	Sulphate groups are involved in the antigenicity of keratan sulphate and mask i antigen expression on their poly-N-acetyllactosamine backbones. An immunochemical and chromatographic study of keratan sulphate oligosaccharides after desulphation or nitrosation. FEBS Journal, 1986, 160, 537-545.	0.2	43
107	Characterisation by mass spectrometry and 500-MHz proton nuclear magnetic resonance spectroscopy of penta- and hexasaccharide chains of human foetal gastrointestinal mucins (meconium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	4.4	43
108	Studies of the binding specificity of the soluble 14 000-dalton bovine heart muscle lectin using immobilised glycolipids and neoglycolipids. Carbohydrate Research, 1991, 213, 293-307.	2.3	43

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109	Species differences in the expression of carbohydrate differentiation antigens on mammalian blood cells revealed by immunofluorescence with monoclonal antibodies. Bioscience Reports, 1984, 4, 673-685.	2.4	42
110	Early Murine T-lymphocyte Activation Is Accompanied by a Switch from N-Glycolyl- to N-Acetyl-neuraminic Acid and Generation of Ligands for Siglec-E. Journal of Biological Chemistry, 2011, 286, 34522-34532.	3.4	42
111	Production of Cold Agglutinins in Rabbits immunized with Human Erythrocytes treated with Mycoplasma pneumoniae. Nature, 1969, 222, 1253-1256.	27.8	41
112	A multiplicity of erythrocyte glycolipids of the neolacto series revealed by immuno-thin-layer chromatography with monoclonal anti-I and anti-i antibodies. Bioscience Reports, 1983, 3, 577-588.	2.4	40
113	Peanut lectin and anti-Ii antibodies reveal structural differences among human gastrointestinal glycoproteins. Molecular Immunology, 1983, 20, 1215-1220.	2.2	40
114	The effect of mild alkali and alkaline borohydride on the carbohydrate and peptide moieties of fetuin. Biochemical Society Transactions, 1984, 12, 607-610.	3.4	40
115	Cell-cell adhesion and membrane glycosylation. Current Opinion in Structural Biology, 1991, 1, 766-770.	5.7	40
116	Fluorescent neoglycolipids. FEBS Journal, 2000, 267, 1795-1804.	0.2	40
117	Galactose Recognition by the Apicomplexan Parasite Toxoplasma gondii. Journal of Biological Chemistry, 2012, 287, 16720-16733.	3.4	40
118	THE EMERGENCE OF ANTIBODIES WITH EITHER IDENTICAL OR UNRELATED INDIVIDUAL ANTIGENIC SPECIFICITY DURING REPEATED IMMUNIZATIONS WITH STREPTOCOCCAL VACCINES. Journal of Experimental Medicine, 1970, 131, 1169-1189.	8.5	39
119	The neoglycolipid (<scp>NGL</scp>) technologyâ€based microarrays and future prospects. FEBS Letters, 2018, 592, 3976-3991.	2.8	38
120	Monotypic Cold Agglutinins in Infection by Mycoplasma pneumoniae. Nature, 1967, 215, 540-542.	27.8	37
121	Lymphocytes Forming Red Cell Rosettes in the Cold in Patients With Chronic Cold Agglutinin Disease. Blood, 1973, 42, 753-762.	1.4	37
122	Blood group I activities of synthetic oligosaccharides assessed by radioimmunoassay. Immunochemistry, 1978, 15, 733-736.	1.2	37
123	Neoglycolipid micro-immunoassays applied to the oligosaccharides of human milk galactosyltransferase detect blood-group related antigens on both O- and N-linked chains. Carbohydrate Research, 1987, 161, 133-143.	2.3	37
124	Detailed insights from microarray and crystallographic studies into carbohydrate recognition by microneme protein 1 (MIC1) of Toxoplasma gondii. Protein Science, 2009, 18, 1935-1947.	7.6	37
125	Chemical Synthesis, Folding, and Structural Insights intoO-Fucosylated Epidermal Growth Factor-like Repeat 12 of Mouse Notch-1 Receptor. Journal of the American Chemical Society, 2010, 132, 14857-14865.	13.7	37
126	Influence of oligosaccharide presentation on the interactions of carbohydrate sequence-specific antibodies and the selectins. Journal of Immunological Methods, 1999, 227, 109-119.	1.4	36

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127	Crystallographic and Glycan Microarray Analysis of Human Polyomavirus 9 VP1 Identifies N -Glycolyl Neuraminic Acid as a Receptor Candidate. Journal of Virology, 2014, 88, 6100-6111.	3.4	36
128	A radioimmunoassay for the measurement of blood group Ii activities: Its application to glycoconjugates, oligosaccharides and intact cells. Molecular Immunology, 1979, 16, 813-819.	2.2	35
129	Determination of Carbohydrate Structure Recognized by Prostate-specific F77 Monoclonal Antibody through Expression Analysis of Glycosyltransferase Genes. Journal of Biological Chemistry, 2014, 289, 16478-16486.	3.4	35
130	Immunochemical studies on blood groups. LVIII. Activity of reduced oligosaccharides isolated from blood group H, Leb, and Lea substances by alkaline borohydride degradation. Biochemistry, 1973, 12, 5355-5360.	2.5	34
131	Core-typing of O-linked glycans from human gastric mucins. Lack of evidence for the occurrence of the core sequence Gall-6GalNAc. FEBS Journal, 1993, 217, 645-655.	0.2	34
132	Synergistic interactions of the two classes of ligand, sialyl-Lewisaxfuco-oligosaccharides and short sulpho-motifs, with the P- and L-selectins: implications for therapeutic inhibitor designs. Immunology, 2002, 105, 350-359.	4.4	34
133	Monoclonal antibodies reveal saccharide structures of glycoproteins and glycolipids as differentiation and tumour-associated antigens. Biochemical Society Transactions, 1984, 12, 545-549.	3.4	33
134	Amino acid sequence of Î²-galactoside-binding bovine heart lectin. FEBS Letters, 1987, 214, 301-304.	2.8	32
135	Blood group-related oligosaccharides are ligands in cell-adhesion events. Biochemical Society Transactions, 1992, 20, 274-278.	3.4	32
136	500-MHz 1H-n.m.r. and conformational studies of fucosyloligosaccharides recognised by monoclonal antibodies with specificities related to Lea, Leb, and SSEA-1. Carbohydrate Research, 1988, 178, 67-78.	2.3	30
137	Blood group I and i activities of straight chain and branched synthetic oligosaccharides related to the precursors of the major blood group antigens. FEBS Letters, 1979, 104, 135-140.	2.8	29
138	Conformational Studies on the Selectin and Natural Killer Cell Receptor Ligands Sulfo- and Sialyl-lacto-N-fucopentaoses (SuLNFPII and SLNFPII) Using NMR Spectroscopy and Molecular Dynamics Simulations. Comparisons with the Nonacidic Parent Molecule LNFPIIâ€. Biochemistry, 1996, 35, 1954-1964.	2.5	29
139	Novel oligosaccharide ligands and ligand-processing pathways for the selectins. Trends in Biochemical Sciences, 1999, 24, 369-372.	7.5	28
140	Conformational Studies of the Man8 Oligosaccharide on Native Ribonuclease B and on the Reduced and Denatured Protein. Archives of Biochemistry and Biophysics, 2000, 383, 17-27.	3.0	28
141	Preparation of Neoglycolipids with Ringâ€Closed Cores via Chemoselective Oximeâ€Ligation for Microarray Analysis of Carbohydrateâ€“Protein Interactions. Methods in Enzymology, 2006, 415, 326-340.	1.0	28
142	Characterisation of oligosaccharides released from human-blood-group O erythrocyte glycopeptides by the endo-beta-galactosidase of Bacteroides fragilis. A study of the enzyme susceptibility of branched poly(N-acetyllactosamine) structures. FEBS Journal, 1987, 168, 585-593.	0.2	27
143	Sulfated Glycosaminoglycans as Viral Decoy Receptors for Human Adenovirus Type 37. Viruses, 2019, 11, 247.	3.3	27
144	Interactions of the gastrotropic bacteriumHelicobacter pyloriwith the leukocyteÃ¢Â€Â“endothelium adhesion molecules, the selectins Ã¢Â€Â“ a preliminary report. FEMS Immunology and Medical Microbiology, 2003, 36, 127-134.	2.7	26

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145	Natural antibodies as contaminants of hybridoma products. Biochemical and Biophysical Research Communications, 1982, 106, 539-545.	2.1	24
146	Carbohydrate Recognition by Mycoplasma pneumoniae and Pathologic Consequences. American Journal of Respiratory and Critical Care Medicine, 1996, 154, S133-S136.	5.6	24
147	Glycosphingolipid carriers of carbohydrate antigens of human myeloid cells recognized by monoclonal antibodies. Biochimica Et Biophysica Acta - Molecular Cell Research, 1985, 846, 26-36.	4.1	23
148	Evidence for carbohydrate-mediated interactions between the neural-cell-adhesion molecules NCAM and L1. Trends in Biochemical Sciences, 1994, 19, 233-234.	7.5	23
149	O-Glycome Beam Search Arrays for Carbohydrate Ligand Discovery. Molecular and Cellular Proteomics, 2018, 17, 121-133.	3.8	23
150	Protein O-Mannosylation in the Murine Brain: Occurrence of Mono-O-Mannosyl Glycans and Identification of New Substrates. PLoS ONE, 2016, 11, e0166119.	2.5	23
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