

Kay-Hooi Khoo

List of Publications by Year in descending order

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237
papers

13,149
citations

23544

58
h-index

30894

102
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249
all docs

249
docs citations

249
times ranked

13756
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycosylation and stabilization of programmed death ligand-1 suppresses T-cell activity. <i>Nature Communications</i> , 2016, 7, 12632.	5.8	648
2	Metformin Promotes Antitumor Immunity via Endoplasmic-Reticulum-Associated Degradation of PD-L1. <i>Molecular Cell</i> , 2018, 71, 606-620.e7.	4.5	491
3	Comparison of the methods for profiling glycoprotein glycans HUIPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422.	1.3	382
4	Eradication of Triple-Negative Breast Cancer Cells by Targeting Glycosylated PD-L1. <i>Cancer Cell</i> , 2018, 33, 187-201.e10.	7.7	381
5	Sialylation and fucosylation of epidermal growth factor receptor suppress its dimerization and activation in lung cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11332-11337.	3.3	347
6	Mycobacterial lipoarabinomannan: An extraordinary lipoheteroglycan with profound physiological effects. <i>Glycobiology</i> , 1998, 8, 113-120.	1.3	333
7	STT3-dependent PD-L1 accumulation on cancer stem cells promotes immune evasion. <i>Nature Communications</i> , 2018, 9, 1908.	5.8	282
8	Human Sperm Binding Is Mediated by the Sialyl-Lewis ^x Oligosaccharide on the Zona Pellucida. <i>Science</i> , 2011, 333, 1761-1764.	6.0	278
9	Glycans on influenza hemagglutinin affect receptor binding and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18137-18142.	3.3	268
10	[8] Mass spectrometry of carbohydrate-containing biopolymers. <i>Methods in Enzymology</i> , 1994, 230, 108-132.	0.4	227
11	A new interpretation of the structure of the mycolyl-arabinogalactan complex of <i>Mycobacterium tuberculosis</i> as revealed through characterization of oligoglycosylalditol fragments by fast-atom bombardment mass spectrometry and ¹ H nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1995, 34, 4257-4266.	1.2	227
12	Studies on the immuno-Modulating and antitumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides: functional and proteomic analyses of a fucose-Containing glycoprotein fraction responsible for the activities. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1057-1062.	1.4	218
13	Inositol Phosphate Capping of the Nonreducing Termini of Lipoarabinomannan from Rapidly Growing Strains of <i>Mycobacterium</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 12380-12389.	1.6	190
14	Definition of the full extent of glycosylation of the 45-kilodalton glycoprotein of <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 1996, 178, 2498-2506.	1.0	176
15	Critical functions of N-glycans in L-selectin-mediated lymphocyte homing and recruitment. <i>Nature Immunology</i> , 2007, 8, 409-418.	7.0	169
16	The Role of the embA and embB Gene Products in the Biosynthesis of the Terminal Hexaarabinofuranosyl Motif of <i>Mycobacterium smegmatis</i> Arabinogalactan. <i>Journal of Biological Chemistry</i> , 2001, 276, 48854-48862.	1.6	155
17	An Invertebrate Warburg Effect: A Shrimp Virus Achieves Successful Replication by Altering the Host Metabolome via the PI3K-Akt-mTOR Pathway. <i>PLoS Pathogens</i> , 2014, 10, e1004196.	2.1	141
18	Studies on the immuno-modulating and anti-tumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5595-5601.	1.4	139

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19	Structural mapping of the glycans from the egg glycoproteins of <i>Schistosoma mansoni</i> and <i>Schistosoma japonicum</i> : identification of novel core structures and terminal sequences. <i>Glycobiology</i> , 1997, 7, 663-677.	1.3	136
20	Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.	2.5	136
21	Cysteine S-Nitrosylation Protects Protein-tyrosine Phosphatase 1B against Oxidation-induced Permanent Inactivation. <i>Journal of Biological Chemistry</i> , 2008, 283, 35265-35272.	1.6	135
22	Structural definition of acylated phosphatidylinositol mannosides from <i>Mycobacterium tuberculosis</i> : definition of a common anchor for lipomannan and lipoarabinomannan. <i>Glycobiology</i> , 1995, 5, 117-127.	1.3	131
23	The Emb proteins of mycobacteria direct arabinosylation of lipoarabinomannan and arabinogalactan via an N-terminal recognition region and a C-terminal synthetic region. <i>Molecular Microbiology</i> , 2003, 50, 69-76.	1.2	126
24	A Unique Multifucosylated α -3GalNAc β 1-4GlcNAc β 1-3Gal β 1- Motif Constitutes the Repeating Unit of the Complex O-Glycans Derived from the Cercarial Glycocalyx of <i>Schistosoma mansoni</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 17114-17123.	1.6	125
25	Immobilized Metal Affinity Chromatography Revisited: pH/Acid Control toward High Selectivity in Phosphoproteomics. <i>Journal of Proteome Research</i> , 2008, 7, 4058-4069.	1.8	125
26	The surface glycopeptidolipids of mycobacteria: structures and biological properties. <i>Cellular and Molecular Life Sciences</i> , 2001, 58, 2018-2042.	2.4	121
27	MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014, 24, 402-406.	1.3	116
28	Truncated Structural Variants of Lipoarabinomannan in Ethambutol Drug-resistant Strains of <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 28682-28690.	1.6	104
29	The pimB Gene of <i>Mycobacterium tuberculosis</i> Encodes a Mannosyltransferase Involved in Lipoarabinomannan Biosynthesis. <i>Journal of Biological Chemistry</i> , 1999, 274, 31625-31631.	1.6	104
30	Stage-specific embryonic antigen-4 as a potential therapeutic target in glioblastoma multiforme and other cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2482-2487.	3.3	104
31	Switching of the core structures of glycosphingolipids from globo- and lacto- to ganglio-series upon human embryonic stem cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22564-22569.	3.3	103
32	Phosphoproteomics of <i>Klebsiella pneumoniae</i> NTUH-K2044 Reveals a Tight Link between Tyrosine Phosphorylation and Virulence. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2613-2623.	2.5	102
33	Fibronectin in cell adhesion and migration via N-glycosylation. <i>Oncotarget</i> , 2017, 8, 70653-70668.	0.8	98
34	Characterization of nematode glycoproteins: the major O-glycans of <i>Toxocara</i> excretory-secretory antigens are O-methylated trisaccharides. <i>Glycobiology</i> , 1991, 1, 163-171.	1.3	96
35	Redox regulation of the protein tyrosine phosphatase PTP1B in cancer cells. <i>FEBS Journal</i> , 2008, 275, 69-88.	2.2	96
36	Characterisation of the phosphorylcholine-containing N-linked oligosaccharides in the excretory-secretory 62 kDa glycoprotein of <i>Acanthocheilonema viteae</i> . <i>Molecular and Biochemical Parasitology</i> , 1997, 85, 53-66.	0.5	95

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37	Cryo-EM analysis of a feline coronavirus spike protein reveals a unique structure and camouflaging glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1438-1446.	3.3	94
38	Strategic shotgun proteomics approach for efficient construction of an expression map of targeted protein families in hepatoma cell lines. <i>Proteomics</i> , 2003, 3, 2472-2486.	1.3	89
39	Novel LC-MS ² Product Dependent Parallel Data Acquisition Function and Data Analysis Workflow for Sequencing and Identification of Intact Glycopeptides. <i>Analytical Chemistry</i> , 2014, 86, 5478-5486.	3.2	89
40	Structural definition of the non-reducing termini of mannose-capped LAM from <i>Mycobacterium tuberculosis</i> through selective enzymatic degradation and fast atom bombardment-mass spectrometry. <i>Glycobiology</i> , 1993, 3, 497-506.	1.3	87
41	Targeting Glycosylated PD-1 Induces Potent Antitumor Immunity. <i>Cancer Research</i> , 2020, 80, 2298-2310.	0.4	87
42	Variation in Mannose-capped Terminal Arabinan Motifs of Lipoarabinomannans from Clinical Isolates of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium avium</i> Complex. <i>Journal of Biological Chemistry</i> , 2001, 276, 3863-3871.	1.6	85
43	The Identification and Location of Succinyl Residues and the Characterization of the Interior Arabinan Region Allow for a Model of the Complete Primary Structure of <i>Mycobacterium tuberculosis</i> Mycolyl Arabinogalactan. <i>Journal of Biological Chemistry</i> , 2008, 283, 12992-13000.	1.6	82
44	Mass Spectrometry-Based Quantitative Proteomics for Dissecting Multiplexed Redox Cysteine Modifications in Nitric Oxide-Protected Cardiomyocyte Under Hypoxia. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1365-1381.	2.5	82
45	Glycolipid GD3 and GD3 synthase are key drivers for glioblastoma stem cells and tumorigenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5592-5597.	3.3	81
46	The Carboxy Terminus of EmbC from <i>Mycobacterium smegmatis</i> Mediates Chain Length Extension of the Arabinan in Lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2006, 281, 19512-19526.	1.6	75
47	Structural characterization of glycosphingolipids from the eggs of <i>Schistosoma mansoni</i> and <i>Schistosoma japonicum</i> . <i>Glycobiology</i> , 1997, 7, 653-661.	1.3	74
48	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	9.0	74
49	Distinctive characteristics of MALDI-Q/TOF and TOF/TOF tandem mass spectrometry for sequencing of permethylated complex type N-glycans. <i>Glycoconjugate Journal</i> , 2006, 23, 355-369.	1.4	73
50	Immunogenic glycoconjugates implicated in parasitic nematode diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1455, 353-362.	1.8	72
51	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. <i>Glycobiology</i> , 2017, 27, 280-284.	1.3	69
52	Core3 O-Glycan Synthase Suppresses Tumor Formation and Metastasis of Prostate Carcinoma PC3 and LNCaP Cells through Down-regulation of β 1 Integrin Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 17157-17169.	1.6	66
53	Immunization of fucose-containing polysaccharides from Reishi mushroom induces antibodies to tumor-associated Globo H-series epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13809-13814.	3.3	66
54	Structural studies on the oligosaccharides isolated from bovine kidney heparan sulphate and characterization of bacterial heparinases used as substrates. <i>Glycobiology</i> , 1994, 4, 535-544.	1.3	65

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55	Systems glycomics of adult zebrafish identifies organ-specific sialylation and glycosylation patterns. <i>Nature Communications</i> , 2018, 9, 4647.	5.8	65
56	Truncated Structural Variants of Lipoarabinomannan in <i>Mycobacterium leprae</i> and an Ethambutol-resistant Strain of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 41227-41239.	1.6	64
57	<i>S</i> -Alkylating Labeling Strategy for Site-Specific Identification of the <i>S</i> -Nitrosoproteome. <i>Journal of Proteome Research</i> , 2010, 9, 6417-6439.	1.8	64
58	Ceramide Glycosylation by Glucosylceramide Synthase Selectively Maintains the Properties of Breast Cancer Stem Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 37195-37205.	1.6	64
59	Biomic study of human myeloid leukemia cells differentiation to macrophages using DNA array, proteomic, and bioinformatic analytical methods. <i>Electrophoresis</i> , 2002, 23, 2490-2504.	1.3	62
60	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. <i>Glycobiology</i> , 2016, 26, 907-910.	1.3	62
61	Glycomic survey mapping of zebrafish identifies unique sialylation pattern. <i>Glycobiology</i> , 2006, 16, 244-257.	1.3	61
62	Structural characterization of the N-glycans from <i>Echinococcus granulosus</i> hydatid cyst membrane and protoscoleces. <i>Molecular and Biochemical Parasitology</i> , 1997, 86, 237-248.	0.5	60
63	New Insights into the Biosynthesis of Mycobacterial Lipomannan Arising from Deletion of a Conserved Gene. <i>Journal of Biological Chemistry</i> , 2007, 282, 27133-27140.	1.6	60
64	Enabling techniques and strategic workflow for sulfoglycomics based on mass spectrometry mapping and sequencing of permethylated sulfated glycans. <i>Glycobiology</i> , 2009, 19, 1136-1149.	1.3	60
65	Sweet-Heart – An integrated suite of enabling computational tools for automated MS2/MS3 sequencing and identification of glycopeptides. <i>Journal of Proteomics</i> , 2013, 84, 1-16.	1.2	60
66	Quantitative apical membrane proteomics reveals vasopressin-induced actin dynamics in collecting duct cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17119-17124.	3.3	58
67	Characteristic structural features of schistosome cercarial N-glycans: expression of Lewis X and core xylosylation. <i>Glycobiology</i> , 2001, 11, 149-163.	1.3	57
68	Expression of De-N-acetyl-gangliosides in Human Melanoma Cells Is Induced by Genistein or Nocodazole. <i>Journal of Biological Chemistry</i> , 1995, 270, 2921-2930.	1.6	56
69	N-Glycan Structures from the Major Glycoproteins of Pigeon Egg White. <i>Journal of Biological Chemistry</i> , 2001, 276, 23230-23239.	1.6	56
70	CRL2 aids elimination of truncated selenoproteins produced by failed UGA/Sec decoding. <i>Science</i> , 2015, 349, 91-95.	6.0	56
71	Structural Determination of Five Novel Tetrasaccharides Containing 3-O-Sulfated-d-Glucuronic Acid and Two Rare Oligosaccharides Containing a 1,2-d-Glucose Branch Isolated from Squid Cartilage Chondroitin Sulfate. <i>Biochemistry</i> , 2004, 43, 11063-11074.	1.2	55
72	Protein tyrosine phosphatase PTPN3 inhibits lung cancer cell proliferation and migration by promoting EGFR endocytic degradation. <i>Oncogene</i> , 2015, 34, 3791-3803.	2.6	55

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73	Unmasking of CD22 Co-receptor on Germinal Center B-cells Occurs by Alternative Mechanisms in Mouse and Man. <i>Journal of Biological Chemistry</i> , 2015, 290, 30066-30077.	1.6	52
74	Isolation and Characterization of Major Glycoproteins of Pigeon Egg White. <i>Journal of Biological Chemistry</i> , 2001, 276, 23221-23229.	1.6	51
75	Glycoproteomics analysis to identify a glycoform on haptoglobin associated with lung cancer. <i>Proteomics</i> , 2011, 11, 2162-2170.	1.3	51
76	In Vitro Modification of Human Centromere Protein CENP-C Fragments by Small Ubiquitin-like Modifier (SUMO) Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 39653-39662.	1.6	50
77	Characterization of Oligosaccharide Ligands Expressed on SW1116 Cells Recognized by Mannan-binding Protein. <i>Journal of Biological Chemistry</i> , 2005, 280, 10897-10913.	1.6	50
78	Structural analysis of the N-linked glycan chains from a stylar glycoprotein associated with expression of self-incompatibility in <i>Nicotiana glauca</i> . <i>Glycobiology</i> , 1992, 2, 241-250.	1.3	49
79	Isolation and characterization of an active compound from black soybean [<i>Glycine max</i> (L.) Merr.] and its effect on proliferation and differentiation of human leukemic U937 cells. <i>Anti-Cancer Drugs</i> , 2001, 12, 841-846.	0.7	49
80	Altered Expression Profile of the Surface Glycopeptidolipids in Drug-resistant Clinical Isolates of <i>Mycobacterium avium</i> Complex. <i>Journal of Biological Chemistry</i> , 1999, 274, 9778-9785.	1.6	48
81	Rapid glycopeptide enrichment and N-glycosylation site mapping strategies based on amine-functionalized magnetic nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2765-2776.	1.9	48
82	Structural studies on the tri- and tetrasaccharides isolated from porcine intestinal heparin and characterization of heparinase/heparitinases using them as substrates. <i>Glycobiology</i> , 1994, 4, 69-78.	1.3	47
83	The expression of sialylated high-antennary N-glycans in edible bird's nest. <i>Carbohydrate Research</i> , 2008, 343, 1373-1377.	1.1	47
84	Selective expression of different fucosylated epitopes on two distinct sets of <i>Schistosoma mansoni</i> cercarial O-glycans: identification of a novel core type and Lewis X structure. <i>Glycobiology</i> , 2001, 11, 395-406.	1.3	46
85	Sequencing of Oligoarabinosyl Units Released from Mycobacterial Arabinogalactan by Endogenous Arabinanase: Identification of Distinctive and Novel Structural Motifs. <i>Biochemistry</i> , 2006, 45, 15817-15828.	1.2	46
86	Protein glycosylation mutants of procyclic <i>Trypanosoma brucei</i> : defects in the asparagine-glycosylation pathway. <i>Glycobiology</i> , 1999, 9, 125-131.	1.3	45
87	N-Glycan Structures of Pigeon IgG. <i>Journal of Biological Chemistry</i> , 2003, 278, 46293-46306.	1.6	45
88	Changes in Glycosphingolipid Composition During Differentiation of Human Embryonic Stem Cells to Ectodermal or Endodermal Lineages. <i>Stem Cells</i> , 2011, 29, 1995-2004.	1.4	45
89	To complete its replication cycle, a shrimp virus changes the population of long chain fatty acids during infection via the PI3K-Akt-mTOR-HIF1 α pathway. <i>Developmental and Comparative Immunology</i> , 2015, 53, 85-95.	1.0	45
90	Synthetic mannosides act as acceptors for mycobacterial α 1-6 mannosyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 815-824.	1.4	42

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91	N-Glycan structures of squid rhodopsin. Existence of the alpha1-3 and alpha1-6 difucosylated innermost GlcNAc residue in a molluscan glycoprotein. <i>FEBS Journal</i> , 2003, 270, 2627-2632.	0.2	42
92	Alterations of the Human Skin N- and O-Glycome in Basal Cell Carcinoma and Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2018, 8, 70.	1.3	42
93	Galactose 6-O-Sulfotransferases Are Not Required for the Generation of Siglec-F Ligands in Leukocytes or Lung Tissue. <i>Journal of Biological Chemistry</i> , 2013, 288, 26533-26545.	1.6	41
94	Mass Spectrometric Analysis of Sulfated N- and O-Glycans. <i>Methods in Enzymology</i> , 2010, 478, 3-26.	0.4	40
95	A novel baculovirus vector for the production of nonfucosylated recombinant glycoproteins in insect cells. <i>Glycobiology</i> , 2014, 24, 325-340.	1.3	39
96	Chondroitinase ABC-resistant sulfated trisaccharides isolated from digests of chondroitin/dermatan sulfate chains. <i>Carbohydrate Research</i> , 1994, 255, 165-182.	1.1	37
97	The sulphated carbohydrate-protein linkage region isolated from chondroitin 4-sulphate chains of inter- β -trypsin inhibitor in human plasma. <i>Glycobiology</i> , 1995, 5, 335-341.	1.3	37
98	Prominent expression of sialyl Lewis X-capped core 2-branched N-glycans on high endothelial venule-like vessels in gastric MALT lymphoma. <i>Journal of Pathology</i> , 2011, 224, 67-77.	2.1	37
99	Glycoconjugates from Parasitic Helminths: Structure Diversity and Immunobiological Implications. <i>Advances in Experimental Medicine and Biology</i> , 2001, 491, 185-205.	0.8	37
100	Mass spectrometry-based analyses for identifying and characterizing S-nitrosylation of protein tyrosine phosphatases. <i>Methods</i> , 2007, 42, 243-249.	1.9	36
101	Galactosamine in walls of slow-growing mycobacteria. <i>Biochemical Journal</i> , 1997, 327, 519-525.	1.7	35
102	Modifying an Insect Cell N-Glycan Processing Pathway Using CRISPR-Cas Technology. <i>ACS Chemical Biology</i> , 2015, 10, 2199-2208.	1.6	35
103	FABMS/derivatisation strategies for the analysis of heparin-derived oligosaccharides. <i>Carbohydrate Research</i> , 1993, 244, 205-223.	1.1	34
104	KSGal6ST generates galactose-6-O-sulfate in high endothelial venules but does not contribute to L-selectin-dependent lymphocyte homing. <i>Glycobiology</i> , 2013, 23, 381-394.	1.3	34
105	Adapting Data-Independent Acquisition for Mass Spectrometry-Based Protein Site-Specific N-Glycosylation Analysis. <i>Analytical Chemistry</i> , 2017, 89, 4532-4539.	3.2	34
106	Occurrence and Structural Analysis of Highly Sulfated Multiantennary N-linked Glycan Chains Derived from a Fertilization-Associated Carbohydrate-Rich Glycoprotein in Unfertilized Eggs of <i>Tribolodon hakonensis</i> . <i>FEBS Journal</i> , 1996, 238, 357-367.	0.2	33
107	Developmentally Regulated Expression of a Peptide:N-Glycanase during Germination of Rice Seeds (<i>Oryza sativa</i>) and Its Purification and Characterization. <i>Journal of Biological Chemistry</i> , 2000, 275, 129-134.	1.6	33
108	Characterization of a Distinct Arabinofuranosyltransferase in <i>Mycobacterium smegmatis</i> . <i>Journal of the American Chemical Society</i> , 2007, 129, 9650-9662.	6.6	33

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109	New insights into the functions and N-glycan structures of factor X activator from Russell's viper venom. <i>FEBS Journal</i> , 2008, 275, 3944-3958.	2.2	33
110	BAD-Lectins: Boronic Acid-Decorated Lectins with Enhanced Binding Affinity for the Selective Enrichment of Glycoproteins. <i>Analytical Chemistry</i> , 2013, 85, 8268-8276.	3.2	33
111	Chemistry of the Lyxose-Containing Mycobacteriophage Receptors of <i>Mycobacterium phlei</i> / <i>Mycobacterium smegmatis</i> . <i>Biochemistry</i> , 1996, 35, 11812-11819.	1.2	32
112	Characterization of the in vitro synthesized arabinan of mycobacterial cell walls. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1335, 231-234.	1.1	32
113	Structural determination of novel tetra- and hexasaccharide sequences isolated from chondroitin sulfate H (oversulfated dermatan sulfate) of hagfish notochord. <i>Glycoconjugate Journal</i> , 1999, 16, 291-305.	1.4	32
114	Highly fucosylated N-glycan ligands for mannan-binding protein expressed specifically on CD26 (DPPVI) isolated from a human colorectal carcinoma cell line, SW1116. <i>Glycobiology</i> , 2008, 19, 437-450.	1.3	32
115	AGO61-dependent GlcNAc modification primes the formation of functional glycans on β -dystroglycan. <i>Scientific Reports</i> , 2013, 3, 3288.	1.6	32
116	A new insect cell glycoengineering approach provides baculovirus-inducible glycoprotein expression and increases human-type glycosylation efficiency. <i>Journal of Biotechnology</i> , 2014, 182-183, 19-29.	1.9	32
117	Advances toward mapping the full extent of protein site-specific O-GalNAc glycosylation that better reflects underlying glycomic complexity. <i>Current Opinion in Structural Biology</i> , 2019, 56, 146-154.	2.6	32
118	Trehalose-containing lipooligosaccharides of <i>Mycobacterium gordonae</i> : Presence of a mono-O-methyltetra-O-acetylrehalose "core" and branching in the oligosaccharide backbone. <i>Biochemistry</i> , 1993, 32, 12705-12714.	1.2	31
119	Nitrite-Mediated S-Nitrosylation of Caspase-3 Prevents Hypoxia-Induced Endothelial Barrier Dysfunction. <i>Circulation Research</i> , 2011, 109, 1375-1386.	2.0	31
120	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. <i>ACS Chemical Biology</i> , 2021, 16, 2673-2689.	1.6	31
121	Impact of a human CMP-sialic acid transporter on recombinant glycoprotein sialylation in glycoengineered insect cells. <i>Glycobiology</i> , 2013, 23, 199-210.	1.3	30
122	Purification and structural analysis of the novel glycoprotein allergen Cyn d 24, a pathogenesis-related protein PR-1, from Bermuda grass pollen. <i>FEBS Journal</i> , 2005, 272, 6218-6227.	2.2	29
123	In Vivo Tagging and Characterization of Glutathionylated Proteins by a Chemoenzymatic Method. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5871-5875.	7.2	29
124	Increasing the depth of mass spectrometry-based glycomic coverage by additional dimensions of sulfoglycomics and target analysis of permethylated glycans. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6683-6695.	1.9	29
125	GEF-H1 controls focal adhesion signaling that regulates mesenchymal stem cell lineage commitment. <i>Journal of Cell Science</i> , 2014, 127, 4186-200.	1.2	29
126	Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016, 7, 12526.	5.8	28

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127	Precise Mapping of Increased Sialylation Pattern and the Expression of Acute Phase Proteins Accompanying Murine Tumor Progression in BALB/c Mouse by Integrated Sera Proteomics and Glycomics. <i>Journal of Proteome Research</i> , 2008, 7, 3293-3303.	1.8	27
128	Structural analysis of N-glycans from gull egg white glycoproteins and egg yolk IgG. <i>Glycobiology</i> , 2009, 19, 693-706.	1.3	27
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130	Novel O-Methylated Terminal Glucuronic Acid Characterizes the Polar Glycopeptidolipids of <i>Mycobacterium habana</i> Strain TMC 5135. <i>Journal of Biological Chemistry</i> , 1996, 271, 12333-12342.	1.6	26
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