

# Kay-Hooi Khoo

## List of Publications by Year in descending order

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237  
papers

13,149  
citations

27035

58  
h-index

35168

102  
g-index

249  
all docs

249  
docs citations

249  
times ranked

15022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct shifts in site-specific glycosylation pattern of SARS-CoV-2 spike proteins associated with arising mutations in the D614G and Alpha variants. <i>Glycobiology</i> , 2022, 32, 60-72.	1.3	16
2	Cancer Malignancy Is Correlated with Upregulation of PCYT2-Mediated Glycerol Phosphate Modification of Î±-Dystroglycan. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6662.	1.8	2
3	An embeddable molecular code for Lewis X modification through interaction with fucosyltransferase 9. <i>Communications Biology</i> , 2022, 5, .	2.0	2
4	Sialylation of CD55 by ST3GAL1 Facilitates Immune Evasion in Cancer. <i>Cancer Immunology Research</i> , 2021, 9, 113-122.	1.6	22
5	A mass spectrometry-based glycotope-centric cellular glycomics is the more fruitful way forward to see the forest for the trees. <i>Biochemical Society Transactions</i> , 2021, 49, 55-69.	1.6	2
6	Production of Structurally Defined Chito-Oligosaccharides with a Single N-Acetylation at Their Reducing End Using a Newly Discovered Chitinase from <i>Paenibacillus pabuli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3371-3379.	2.4	4
7	Establishment of a novel monoclonal antibody against truncated glycoforms of Î±-dystroglycan lacking matriglycans. <i>Biochemical and Biophysical Research Communications</i> , 2021, 579, 8-14.	1.0	4
8	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. <i>ACS Chemical Biology</i> , 2021, 16, 2673-2689.	1.6	31
9	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
10	ZIC-CHILIC-Based StageTip for Simultaneous Glycopeptide Enrichment and Fractionation toward Large-Scale N-Sialoglycoproteomics. <i>Analytical Chemistry</i> , 2021, 93, 15931-15940.	3.2	19
11	Glycoproteomic software solutions spotlight glycans. <i>Nature Methods</i> , 2021, 18, 1457-1458.	9.0	8
12	Discovery Sulfoglycomics and Identification of the Characteristic Fragment Ions for High-Sensitivity Precise Mapping of Adult Zebrafish Brain-Specific Glycotopes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 771447.	1.6	2
13	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
14	Fucosyltransferase 4 shapes oncogenic glycoproteome to drive metastasis of lung adenocarcinoma. <i>EBioMedicine</i> , 2020, 57, 102846.	2.7	23
15	Strategic Applications of Negative-Mode LC-MS/MS Analyses to Expedite Confident Mass Spectrometry-Based Identification of Multiple Glycosylated Peptides. <i>Analytical Chemistry</i> , 2020, 92, 7612-7620.	3.2	10
16	<i>Mycobacterium bovis</i> BCG infection alters the macrophage N-glycome. <i>Molecular Omics</i> , 2020, 16, 345-354.	1.4	12
17	The nutrient sensor OGT regulates Hipk stability and tumorigenic-like activities in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2004-2013.	3.3	19
18	Targeting Glycosylated PD-1 Induces Potent Antitumor Immunity. <i>Cancer Research</i> , 2020, 80, 2298-2310.	0.4	87

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19	Abstract 6527: Targeting glycosylated PD-1 induces potent anti-tumor immunity. , 2020, , .		0
20	Negative Ion Mode nanoLC-ESI-MS/MS Analyses of Permethylated Sulfated Glycans. Bio-protocol, 2020, 10, e3618.	0.2	2
21	Permethylation and Microfractionation of Sulfated Glycans for MS Analysis. Bio-protocol, 2020, 10, e3617.	0.2	2
22	Functional roles of ST8SIA3-mediated sialylation of striatal dopamine D2 and adenosine A2A receptors. Translational Psychiatry, 2019, 9, 209.	2.4	18
23	Advances toward mapping the full extent of protein site-specific O-GalNAc glycosylation that better reflects underlying glycomic complexity. Current Opinion in Structural Biology, 2019, 56, 146-154.	2.6	32
24	Novel Zebrafish Mono- $\alpha$ 2,8-sialyltransferase (ST8Sia VIII): An Evolutionary Perspective of $\alpha$ 2,8-Sialylation. International Journal of Molecular Sciences, 2019, 20, 622.	1.8	7
25	Distinctive and Complementary MS <sup>2</sup> Fragmentation Characteristics for Identification of Sulfated Sialylated N-Glycopeptides by nanoLC-MS/MS Workflow. Journal of the American Society for Mass Spectrometry, 2018, 29, 1166-1178.	1.2	19
26	Eradication of Triple-Negative Breast Cancer Cells by Targeting Glycosylated PD-L1. Cancer Cell, 2018, 33, 187-201.e10.	7.7	381
27	Target identification reveals protein arginine methyltransferase 1 is a potential target of phenyl vinyl sulfone and its derivatives. Bioscience Reports, 2018, 38, .	1.1	5
28	Concerted mass spectrometry-based glycomic approach for precision mapping of sulfo sialylated N-glycans on human peripheral blood mononuclear cells and lymphocytes. Glycobiology, 2018, 28, 9-20.	1.3	24
29	Systems glycomics of adult zebrafish identifies organ-specific sialylation and glycosylation patterns. Nature Communications, 2018, 9, 4647.	5.8	65
30	Distinct substrate specificities of human GlcNAc-6-sulfotransferases revealed by mass spectrometry-based sulfoglycomic analysis. Journal of Biological Chemistry, 2018, 293, 15163-15177.	1.6	24
31	Identifying Specific and Differentially Linked Glycosyl Residues in Mammalian Glycans by Targeted LC-MS Analysis. Analytical Sciences, 2018, 34, 1049-1054.	0.8	6
32	STT3-dependent PD-L1 accumulation on cancer stem cells promotes immune evasion. Nature Communications, 2018, 9, 1908.	5.8	282
33	Alterations of the Human Skin N- and O-Glycome in Basal Cell Carcinoma and Squamous Cell Carcinoma. Frontiers in Oncology, 2018, 8, 70.	1.3	42
34	Metformin Promotes Antitumor Immunity via Endoplasmic-Reticulum-Associated Degradation of PD-L1. Molecular Cell, 2018, 71, 606-620.e7.	4.5	491
35	Antibody-assisted target identification reveals afatinib, an EGFR covalent inhibitor, down-regulating ribonucleotide reductase. Oncotarget, 2018, 9, 21512-21529.	0.8	10
36	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	1.3	69

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37	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
38	Advancing a High Throughput Glycotope-centric Glycomics Workflow Based on NanoLC-MS2-product Dependent-MS3 ANALYSIS of Permethylated Glycans*. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2268-2280.	2.5	24
39	Fibronectin in cell adhesion and migration via N-glycosylation. <i>Oncotarget</i> , 2017, 8, 70653-70668.	0.8	98
40	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
41	Direct Mapping of Additional Modifications on Phosphorylated O-glycans of Î±-Dystroglycan by Mass Spectrometry Analysis in Conjunction with Knocking Out of Causative Genes for Dystroglycanopathy. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3424-3434.	2.5	25
42	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
43	S-nitrosylation of endogenous protein tyrosine phosphatases in endothelial insulin signaling. <i>Free Radical Biology and Medicine</i> , 2016, 99, 199-213.	1.3	18
44	Glycosylation and stabilization of programmed death ligand-1 suppresses T-cell activity. <i>Nature Communications</i> , 2016, 7, 12632.	5.8	648
45	Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016, 7, 12526.	5.8	28
46	Efficient Mapping of Sulfated Glycotopes by Negative Ion Mode nanoLC-MS/MS-Based Sulfoglycomic Analysis of Permethylated Glycans. <i>Analytical Chemistry</i> , 2015, 87, 6380-6388.	3.2	25
47	Uncovering protein polyamination by the spermine-specific antiserum and mass spectrometric analysis. <i>Amino Acids</i> , 2015, 47, 469-481.	1.2	15
48	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
49	Ndt80p is involved in l-sorbose utilization through regulating SOU1 in <i>Candida albicans</i> . <i>International Journal of Medical Microbiology</i> , 2015, 305, 170-173.	1.5	3
50	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
51	Characteristic Tandem Mass Spectral Features Under Various Collision Chemistries for Site-Specific Identification of Protein S-Glutathionylation. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 120-132.	1.2	9
52	Modifying an Insect CellN-Glycan Processing Pathway Using CRISPR-Cas Technology. <i>ACS Chemical Biology</i> , 2015, 10, 2199-2208.	1.6	35
53	To complete its replication cycle, a shrimp virus changes the population of long chain fatty acids during infection via the PI3K-Akt-mTOR-HIF1Î± pathway. <i>Developmental and Comparative Immunology</i> , 2015, 53, 85-95.	1.0	45
54	Targeted glycoengineering extends the protein N-glycosylation pathway in the silkworm silk gland. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 20-27.	1.2	25

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55	CRL2 aids elimination of truncated selenoproteins produced by failed UGA/Sec decoding. <i>Science</i> , 2015, 349, 91-95.	6.0	56
56	Engineering $\beta$ 1,4-galactosyltransferase I to reduce secretion and enhance N-glycan elongation in insect cells. <i>Journal of Biotechnology</i> , 2015, 193, 52-65.	1.9	16
57	Mass Spectrometry Mass spectrometry -Based Protein Glycosylation Analysis Glycosylation analysis from Sulfoglycomics Sulfoglycomics to Glycoproteomics. , 2015, , 79-86.		2
58	Correlation between the Glycan Variations and Defibrinogenating Activities of Acutobin and Its Recombinant Glycoforms. <i>PLoS ONE</i> , 2014, 9, e100354.	1.1	7
59	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
60	A Single Arabinan Chain Is Attached to the Phosphatidylinositol Mannosyl Core of the Major Immunomodulatory Mycobacterial Cell Envelope Glycoconjugate, Lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2014, 289, 30249-30256.	1.6	16
61	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
62	MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014, 24, 402-406.	1.3	116
63	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
64	An adaptive workflow coupled with Random Forest algorithm to identify intact N-glycopeptides detected from mass spectrometry. <i>Bioinformatics</i> , 2014, 30, 1908-1916.	1.8	20
65	Phosphoproteomic analyses reveal that galectin-1 augments the dynamics of B-cell receptor signaling. <i>Journal of Proteomics</i> , 2014, 103, 241-253.	1.2	12
66	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
67	Facile removal of high mannose structures prior to extracting complex type N-glycans from deacetylated glycosylated peptides retained by C18 solid phase to allow more efficient glycomic mapping. <i>Proteomics</i> , 2014, 14, 87-92.	1.3	8
68	A novel baculovirus vector for the production of nonfucosylated recombinant glycoproteins in insect cells. <i>Glycobiology</i> , 2014, 24, 325-340.	1.3	39
69	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
70	Novel LC-MS <sup>2</sup> 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
71	Decoding the S-Nitrosoproteomic Atlas in Individualized Human Colorectal Cancer Tissues Using a Label-Free Quantitation Strategy. <i>Journal of Proteome Research</i> , 2014, 13, 4942-4958.	1.8	19
72	Characterization of Protein Serotonylation via Bioorthogonal Labeling and Enrichment. <i>Journal of Proteome Research</i> , 2014, 13, 3523-3529.	1.8	15

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73	From Mass Spectrometry-Based Glycosylation Analysis to Glycomics and Glycoproteomics. <i>Advances in Neurobiology</i> , 2014, 9, 129-164.	1.3	1
74	Mass Spectrometry-Based Protein Glycosylation Analysis from Sulfoglycomics to Glycoproteomics. , 2014, , 1-7.		0
75	GEF-H1 controls focal adhesion signaling that regulates mesenchymal stem cell lineage commitment. <i>Development (Cambridge)</i> , 2014, 141, e2005-e2005.	1.2	0
76	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
77	Attenuation of fibroblast growth factor signaling by polyN-acetyllactosamine type glycans. <i>FEBS Letters</i> , 2013, 587, 3195-3201.	1.3	6
78	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
79	Advanced mass spectrometry and chemical analyses reveal the presence of terminal disialyl motif on mouse B-cell glycoproteins. <i>Glycobiology</i> , 2013, 23, 677-689.	1.3	12
80	Evaluation of <i>Drosophila</i> Metabolic Labeling Strategies for <i>In Vivo</i> Quantitative Proteomic Analyses with Applications to Early Pupa Formation and Amino Acid Starvation. <i>Journal of Proteome Research</i> , 2013, 12, 2138-2150.	1.8	13
81	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
82	Priming mass spectrometry-based sulfoglycomic mapping for identification of terminal sulfated lacdiNAc glycocone. <i>Glycoconjugate Journal</i> , 2013, 30, 183-194.	1.4	16
83	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
84	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
85	An <i>In Vivo</i> Tagging Method Reveals that Ras Undergoes Sustained Activation upon Transglutaminase-Mediated Protein Serotonylation. <i>ChemBioChem</i> , 2013, 14, 813-817.	1.3	16
86	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
87	The Fifth ACGG-DB Meeting Report: Towards an International Glycan Structure Repository. <i>Glycobiology</i> , 2013, 23, 1422-1424.	1.3	8
88	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
89	Phosphoproteomic Analysis Reveals the Effects of PilF Phosphorylation on Type IV Pilus and Biofilm Formation in <i>Thermus thermophilus</i> HB27. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2701-2713.	2.5	20
90	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

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91	In Vivo Regulation of Steroid Hormones by the Chst10 Sulfotransferase in Mouse. <i>Journal of Biological Chemistry</i> , 2013, 288, 5007-5016.	1.6	8
92	AGO61-dependent GlcNAc modification primes the formation of functional glycans on Î±-dystroglycan. <i>Scientific Reports</i> , 2013, 3, 3288.	1.6	32
93	Distribution of the GalÎ²1-4Gal Epitope among Birds: Species-Specific Loss of the Glycan Structure in Chicken and Its Relatives. <i>PLoS ONE</i> , 2013, 8, e59291.	1.1	14
94	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
95	Identification of Mono- and Disulfated N-Acetyl-lactosaminy Oligosaccharide Structures as Epitopes Specifically Recognized by Humanized Monoclonal Antibody HMOCC-1 Raised against Ovarian Cancer. <i>Journal of Biological Chemistry</i> , 2012, 287, 6592-6602.	1.6	22
96	Identification of the Mycobacterium marinum Apa antigen O-mannosylation sites reveals important glycosylation variability with the M. tuberculosis Apa homologue. <i>Journal of Proteomics</i> , 2012, 75, 5695-5705.	1.2	8
97	Mapping the Expressed Glycome and Glycosyltransferases of Zebrafish Liver Cells as a Relevant Model System for Glycosylation Studies. <i>Journal of Proteome Research</i> , 2012, 11, 2164-2177.	1.8	18
98	Inâ€¦Vivo Tagging and Characterization of Sâ€¦Glutathionylated Proteins by a Chemoenzymatic Method. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5871-5875.	7.2	29
99	Glycan structures and intrageneric variations of venom acidic phospholipases A<sub>2</sub> from <i>Tropidolaemus</i> pitvipers. <i>FEBS Journal</i> , 2012, 279, 2672-2682.	2.2	14
100	60. Glycan Structures and Intrageneric Variations of Acidic Phospholipases A2 from Tropidolaemus Venom. <i>Toxicon</i> , 2012, 60, 124-125.	0.8	0
101	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
102	Putative xylosyltransferase genes in Trichomonas vaginalis. <i>Soft Computing</i> , 2012, 16, 381-391.	2.1	0
103	Useful Mimics for Mammalian Eggs: The Development of Porcine Ovabeads.. <i>Biology of Reproduction</i> , 2012, 87, 61-61.	1.2	3
104	Human Sperm Binding Is Mediated by the Sialyl-Lewis <sup>x</sup> Oligosaccharide on the Zona Pellucida. <i>Science</i> , 2011, 333, 1761-1764.	6.0	278
105	Phosphorylation of the Zebrafish M6Ab at Serine 263 Contributes to Filopodium Formation in PC12 Cells and Neurite Outgrowth in Zebrafish Embryos. <i>PLoS ONE</i> , 2011, 6, e26461.	1.1	15
106	Polysaccharides purified from the submerged culture of Ganoderma formosanum stimulate macrophage activation and protect mice against Listeria monocytogenes infection. <i>Biotechnology Letters</i> , 2011, 33, 2271-2278.	1.1	23
107	Selective Extraction and Effective Separation of Galactosylsphingosine (Psychosine) and Glucosylsphingosine from Other Glycosphingolipids in Pathological Tissue Samples. <i>Neurochemical Research</i> , 2011, 36, 1612-1622.	1.6	11
108	Prominent expression of sialyl Lewis Xâ€¦capped core 2â€¦branched <i>O</i>-glycans on high endothelial venuleâ€¦like vessels in gastric MALT lymphoma. <i>Journal of Pathology</i> , 2011, 224, 67-77.	2.1	37

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109	Glycoproteomics analysis to identify a glycoform on haptoglobin associated with lung cancer. <i>Proteomics</i> , 2011, 11, 2162-2170.	1.3	51
110	MS-based glycomic strategies for probing the structural details of polylactosaminoglycan chain on N-glycans and glycoproteomic identification of its protein carriers. <i>Proteomics</i> , 2011, 11, 2812-2829.	1.3	8
111	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
112	Terminal disialylated multiantennary complex-type N-glycans carried on acutobin define the glycosylation characteristics of the <i>Deinagkistrodon acutus</i> venom. <i>Glycobiology</i> , 2011, 21, 530-542.	1.3	26
113	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
114	The identification and analysis of phosphorylation sites on the Atg1 protein kinase. <i>Autophagy</i> , 2011, 7, 716-726.	4.3	23
115	Nitrite-Mediated S-Nitrosylation of Caspase-3 Prevents Hypoxia-Induced Endothelial Barrier Dysfunction. <i>Circulation Research</i> , 2011, 109, 1375-1386.	2.0	31
116	Abstract 2305: Role of ST3Gal1 sialyltransferase in breast cancer cells. , 2011, , .		1
117	MS-Based Glycoanalysis. , 2010, , 123-156.		0
118	N-Glycosylation profiling of turtle egg yolk: expression of galabiose structure. <i>Carbohydrate Research</i> , 2010, 345, 442-448.	1.1	11
119	Core2 O-Glycan Structure Is Essential for the Cell Surface Expression of Sucrase Isomaltase and Dipeptidyl Peptidase-IV during Intestinal Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 37683-37692.	1.6	23
120	Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.	2.5	136
121	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
122	S-Alkylating Labeling Strategy for Site-Specific Identification of the S-Nitrosoproteome. <i>Journal of Proteome Research</i> , 2010, 9, 6417-6439.	1.8	64
123	Mass Spectrometric Analysis of Sulfated N- and O-Glycans. <i>Methods in Enzymology</i> , 2010, 478, 3-26.	0.4	40
124	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
125	Core3 O-Glycan Synthase Suppresses Tumor Formation and Metastasis of Prostate Carcinoma PC3 and LNCaP Cells through Down-regulation of $\beta$ 1 Integri n Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 17157-17169.	1.6	66
126	Glycomics and Proteomics Analyses of Mouse Uterine Luminal Fluid Revealed a Predominance of Lewis Y and X Epitopes on Specific Protein Carriers. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 325-342.	2.5	21



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127	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
128	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
129	Structural analysis of N-glycans from gull egg white glycoproteins and egg yolk IgG. <i>Glycobiology</i> , 2009, 19, 693-706.	1.3	27
130	Developmental regulation of oligosialylation in zebrafish. <i>Glycoconjugate Journal</i> , 2009, 26, 247-261.	1.4	23
131	Identification of blood group A <sup>b/y</sup> and B <sup>b/y</sup> active glycotopes co-expressed on the O-glycans isolated from two distinct human ovarian cyst fluids. <i>Proteomics</i> , 2009, 9, 3445-3462.	1.3	8
132	Determination of N-Glycosylation Site and Glycan Structures of Pectin Methyltransferase in Jelly Fig ( <i>Ficus awkeotsang</i> ) Achenes. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6757-6763.	2.4	9
133	Glycomic mapping of O- and N-linked glycans from major rat sublingual mucin. <i>Glycoconjugate Journal</i> , 2008, 25, 199-212.	1.4	26
134	A single step method for purification of sulfated oligosaccharides. <i>Glycoconjugate Journal</i> , 2008, 25, 903-915.	1.4	6
135	Proteomic identification of specific glycosyltransferases functionally implicated for the biosynthesis of a targeted glycoepitope. <i>Proteomics</i> , 2008, 8, 475-483.	1.3	7
136	Targeted identification of phosphorylated peptides by offline HPLC-MALDI-MS/MS using LC retention time prediction. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1649-1658.	0.7	7
137	The expression of sialylated high-antennary N-glycans in edible bird's nest. <i>Carbohydrate Research</i> , 2008, 343, 1373-1377.	1.1	47
138	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
139	Redox regulation of the protein tyrosine phosphatase PTP1B in cancer cells. <i>FEBS Journal</i> , 2008, 275, 69-88.	2.2	96
140	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
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