Hisashi Narimatsu

List of Publications by Year
in descending order

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316	15,206	13099	29157
papers	citations	68 h-index	104 g-index

329	329	329	12848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	2.5	818
2	Involvement of the Snake Toxin Receptor CLEC-2, in Podoplanin-mediated Platelet Activation, by Cancer Cells. Journal of Biological Chemistry, 2007, 282, 25993-26001.	3.4	442
3	Comparison of the methods for profiling glycoprotein glycansâ€"HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. Glycobiology, 2007, 17, 411-422.	2.5	382
4	A serum â€œsweet-doughnutâ€•protein facilitates fibrosis evaluation and therapy assessment in patients with viral hepatitis. Scientific Reports, 2013, 3, 1065.	3.3	292
5	Updates to the Symbol Nomenclature for Glycans guidelines. Glycobiology, 2019, 29, 620-624.	2.5	292
6	Molecular analysis of the pathophysiological binding of the platelet aggregationâ€inducing factor podoplanin to the Câ€type lectinâ€like receptor CLECâ€2. Cancer Science, 2008, 99, 54-61.	3.9	232
7	Elevated serum levels of Wisteria floribunda agglutininâ€positive human Macâ€2 binding protein predict the development of hepatocellular carcinoma in hepatitis C patients. Hepatology, 2014, 60, 1563-1570.	7.3	202
8	Inhibition of tumor cell-induced platelet aggregation using a novel anti-podoplanin antibody reacting with its platelet-aggregation-stimulating domain. Biochemical and Biophysical Research Communications, 2006, 349, 1301-1307.	2.1	195
9	A novel strategy for mammalian cell surface glycome profiling using lectin microarray. Glycobiology, 2007, 17, 1138-1146.	2.5	165
10	A focused microarray approach to functional glycomics: transcriptional regulation of the glycome. Glycobiology, 2006, 16, 117-131.	2.5	161
11	A strategy for discovery of cancer glycoâ€biomarkers in serum using newly developed technologies for glycoproteomics. FEBS Journal, 2010, 277, 95-105.	4.7	158
12	Mice lacking Î±1,3-fucosyltransferase IX demonstrate disappearance of Lewis x structure in brain and increased anxiety-like behaviors. Glycobiology, 2007, 17, 1-9.	2.5	154
13	Molecular Cloning and Characterization of a Novel UDP-GlcNAc:GalNAc-peptide Î²1,3-N-Acetylglucosaminyltransferase (Î²3Gn-T6), an Enzyme Synthesizing the Core 3 Structure of O-Glycans. Journal of Biological Chemistry, 2002, 277, 12802-12809.	3.4	151
14	Noroviruses Distinguish between Type 1 and Type 2 Histo-Blood Group Antigens for Binding. Journal of Virology, 2008, 82, 10756-10767.	3.4	150
15	A Strategy for Identification of Oligosaccharide Structures Using Observational Multistage Mass Spectral Library. Analytical Chemistry, 2005, 77, 4719-4725.	6.5	149
16	A novel serum marker, glycosylated Wisteria floribunda agglutinin-positive Mac-2 binding protein (WFA+-M2BP), for assessing liver fibrosis. Journal of Gastroenterology, 2015, 50, 76-84.	5.1	148
17	Association between Wisteria floribunda agglutinin-positive Mac-2 binding protein and the fibrosis stage of non-alcoholic fatty liver disease. Journal of Gastroenterology, 2015, 50, 776-784.	5.1	141
18	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	3.8	136

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19	Core 3 synthase is down-regulated in colon carcinoma and profoundly suppresses the metastatic potential of carcinoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4572-4577.	7.1	134
20	Cloning, Expression, and Characterization of a Novel UDP-galactose:Î²-N-Acetylglucosamine Î²1,3-Galactosyltransferase (Î²3Gal-T5) Responsible for Synthesis of Type 1 Chain in Colorectal and Pancreatic Epithelia and Tumor Cells Derived Therefrom. Journal of Biological Chemistry, 1999, 274, 12499-12507.	3.4	127
21	Identification and Characterization of Three Novel Î²1,3-N-Acetylglucosaminyltransferases Structurally Related to the Î²1,3-Galactosyltransferase Family. Journal of Biological Chemistry, 2001, 276, 3498-3507.	3.4	126
22	Mac-2 binding protein glycan isomer (M2BPGi) is a new serum biomarker for assessing liver fibrosis: more than a biomarker of liver fibrosis. Journal of Gastroenterology, 2018, 53, 819-826.	5.1	125
23	Glycoconjugate microarray based on an evanescent-field fluorescence-assisted detection principle for investigation of glycan-binding proteins. Glycobiology, 2008, 18, 789-798.	2.5	124
24	Cloning and expression of a human gene encoding an N-acetylgalactosamine-Â2,6-sialyltransferase (ST6GalNAc I): a candidate for synthesis of cancer-associated sialyl-Tn antigens. Glycobiology, 1999, 9, 1213-1224.	2.5	123
25	Cloning and Characterization of a New Human UDP-N-Acetyl-Î±-d-galactosamine:PolypeptideN-Acetylgalactosaminyltransferase, Designated pp-GalNAc-T13, That Is Specifically Expressed in Neurons and Synthesizes GalNAc Î±-Serine/Threonine Antigen. Journal of Biological Chemistry, 2003, 278, 573-584.	3.4	123
26	Molecular Cloning and Identification of 3â€²-Phosphoadenosine 5â€²-Phosphosulfate Transporter. Journal of Biological Chemistry, 2003, 278, 25958-25963.	3.4	123
27	GlyTouCan: an accessible glycan structure repository. Glycobiology, 2017, 27, 915-919.	2.5	123
28	Molecular Cloning and Characterization of UDP-GlcNAc:Lactosylceramide Î²1,3-N-Acetylglucosaminyltransferase (Î²3Gn-T5), an Essential Enzyme for the Expression of HNK-1 and Lewis X Epitopes on Glycolipids. Journal of Biological Chemistry, 2001, 276, 22032-22040.	3.4	116
29	Platelets Strongly Induce Hepatocyte Proliferation with IGF-1 and HGF In Vitro. Journal of Surgical Research, 2008, 145, 279-286.	1.6	115
30	Î±1,3-Fucoslytransferase IX (Fuc-TIX) is very highly conserved between human and mouse; molecular cloning, characterization and tissue distribution of human Fuc-TIX. FEBS Letters, 1999, 452, 237-242.	2.8	112
31	Molecular Genetic Analysis of the Human Lewis Histo-blood Group System. Journal of Biological Chemistry, 1996, 271, 9830-9837.	3.4	110
32	CD15 Expression in Mature Granulocytes Is Determined by Î±1,3-Fucosyltransferase IX, but in Promyelocytes and Monocytes by Î±1,3-Fucosyltransferase IV. Journal of Biological Chemistry, 2001, 276, 16100-16106.	3.4	108
33	Structural Basis of Carbohydrate Transfer Activity by Human UDP-GalNAc: Polypeptide Î±-N-Acetylgalactosaminyltransferase (pp-GalNAc-T10). Journal of Molecular Biology, 2006, 359, 708-727.	4.2	108
34	Elucidation of binding specificity of Jacalin toward O-glycosylated peptides: quantitative analysis by frontal affinity chromatography. Glycobiology, 2006, 16, 46-53.	2.5	103
35	Focused Differential Glycan Analysis with the Platform Antibody-assisted Lectin Profiling for Glycan-related Biomarker Verification. Molecular and Cellular Proteomics, 2009, 8, 99-108.	3.8	102
36	Polylactosamine on glycoproteins influences basal levels of lymphocyte and macrophage activation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15829-15834.	7.1	101

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37	Differential Roles of TwoN-Acetylgalactosaminyltransferases, CSGalNAcT-1, and a Novel Enzyme, CSGalNAcT-2. Journal of Biological Chemistry, 2003, 278, 3063-3071.	3.4	99
38	Expression Cloning and Characterization of a Novel Murine Î±1,3-Fucosyltransferase, mFuc-TIX, That Synthesizes the Lewis x (CD15) Epitope in Brain and Kidney. Journal of Biological Chemistry, 1998, 273, 26729-26738.	3.4	96
39	Functional glycosylation of human podoplanin: Glycan structure of platelet aggregation-inducing factor. FEBS Letters, 2007, 581, 331-336.	2.8	96
40	A novel Î²1,3-N-acetylglucosaminyltransferase (Î²3Gn-T8), which synthesizes poly-N-acetyllactosamine, is dramatically upregulated in colon cancer. FEBS Letters, 2005, 579, 71-78.	2.8	93
41	Wisteria floribunda agglutinin-positive mucin 1 is a sensitive biliary marker for human cholangiocarcinoma. Hepatology, 2010, 52, 174-182.	7.3	92
42	Cloning and characterization of a novel UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase, pp-GalNAc-T14. Biochemical and Biophysical Research Communications, 2003, 300, 738-744.	2.1	91
43	N-Acetylglucosaminyltransferase IX Acts on the GlcNAcÎ²1,2-ManÎ±1-Ser/Thr Moiety, Forming a 2,6-Branched Structure in Brain O-Mannosyl Glycan. Journal of Biological Chemistry, 2004, 279, 2337-2340.	3.4	90
44	Deletion polymorphism of SIGLEC14 and its functional implications. Glycobiology, 2009, 19, 841-846.	2.5	90
45	Molecular Cloning and Characterization of a Novel Human Î²1,4-N-Acetylgalactosaminyltransferase, Î²4GalNAc-T3, Responsible for the Synthesis of N,Nâ€²-Diacetyllactosediamine, GalNAcÎ²1â€“4GlcNAc. Journal of Biological Chemistry, 2003, 278, 47534-47544.	3.4	88
46	Initiation of O-Glycan Synthesis in IgA1 Hinge Region Is Determined by a Single Enzyme, UDP-N-Acetyl-Î±-d-galactosamine:PolypeptideN-Acetylgalactosaminyltransferase 2. Journal of Biological Chemistry, 2003, 278, 5613-5621.	3.4	87
47	Engineering of mucin-type human glycoproteins in yeast cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3232-3237.	7.1	86
48	Klotho-related Protein Is a Novel Cytosolic Neutral Î²-Glycosylceramidase. Journal of Biological Chemistry, 2007, 282, 30889-30900.	3.4	84
49	Î±1,3-Fucosyltransferase 9 (FUT9; Fuc-TIX) preferentially fucosylates the distal GlcNAc residue of polylactosamine chain while the other four Î±1,3FUT members preferentially fucosylate the inner GlcNAc residue. FEBS Letters, 1999, 462, 289-294.	2.8	83
50	GlyTouCan 1.0 â€“ The international glycan structure repository. Nucleic Acids Research, 2016, 44, D1237-D1242.	14.5	83
51	Quantitative Derivatization of Sialic Acids for the Detection of Sialoglycans by MALDI MS. Analytical Chemistry, 2008, 80, 5211-5218.	6.5	82
52	Molecular cloning and characterization of a novel member of the UDPâ€GalNAc:polypeptide Nâ€acetylgalactosaminyltransferase family, ppâ€GalNAcâ€T12¹. FEBS Letters, 2002, 524, 211-218.	2.8	81
53	Construction of a human glycogene library and comprehensive functional analysis. Glycoconjugate Journal, 2004, 21, 17-24.	2.7	81
54	Reconstruction of a robust glycodiagnostic agent supported by multiple lectinâ€assisted glycan profiling. Proteomics - Clinical Applications, 2013, 7, 642-647.	1.6	80

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55	Chondroitin Sulfate Synthase-2. Journal of Biological Chemistry, 2003, 278, 30235-30247.	3.4	77
56	A novel I-branching Î²-1,6-N-acetylglucosaminyltransferase involved in human blood group I antigen expression. Blood, 2003, 101, 2870-2876.	1.4	77
57	Lectin microarray analysis of pluripotent and multipotent stem cells. Genes To Cells, 2011, 16, 1-11.	1.2	77
58	Large-scale Identification of N-Glycosylated Proteins of Mouse Tissues and Construction of a Glycoprotein Database, GlycoProtDB. Journal of Proteome Research, 2012, 11, 4553-4566.	3.7	77
59	Chondroitin Sulfate Synthase-3. Journal of Biological Chemistry, 2003, 278, 39711-39725.	3.4	76
60	Dual Specificity of Langerin to Sulfated and Mannosylated Glycans via a Single C-type Carbohydrate Recognition Domain. Journal of Biological Chemistry, 2010, 285, 6390-6400.	3.4	76
61	Molecular cloning and characterization of a novel human Â1,3-glucosyltransferase, which is localized at the endoplasmic reticulum and glucosylates O-linked fucosylglycan on thrombospondin type 1 repeat domain. Glycobiology, 2006, 16, 1194-1206.	2.5	75
62	alpha1,3-Fucosyltransferase IX (Fut9) determines Lewis X expression in brain. Glycobiology, 2003, 13, 445-455.	2.5	72
63	Cloning and Sequencing of a Full-Length cDNA of Mouse N-Acetylglucosamine (Î²1â€“4)Galactosyltransferase1. Journal of Biochemistry, 1988, 104, 165-168.	1.7	71
64	Molecular Cloning and Characterization of a Novel UDP-Gal:GalNAcÎ± Peptide Î²1,3-Galactosyltransferase (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan. Journal of Biological Chemistry, 2002, 277, 47724-47731.	3.4	71
65	Enzymatic Synthesis of Chondroitin with a Novel Chondroitin Sulfate N-Acetylgalactosaminyltransferase That Transfers N-Acetylgalactosamine to Glucuronic Acid in Initiation and Elongation of Chondroitin Sulfate Synthesis. Journal of Biological Chemistry, 2002, 277, 38189-38196.	3.4	71
66	Hepatic stellate cells secreting WFA⁺â€M2BP: Its role in biological interactions with Kupffer cells. Journal of Gastroenterology and Hepatology (Australia), 2017, 32, 1387-1393.	2.8	71
67	The GlyCosmos Portal: a unified and comprehensive web resource for the glycosciences. Nature Methods, 2020, 17, 649-650.	19.0	71
68	Molecular Cloning and Characterization of a Novel Chondroitin Sulfate Glucuronyltransferase That Transfers Glucuronic Acid toN-Acetylgalactosamine. Journal of Biological Chemistry, 2002, 277, 38179-38188.	3.4	70
69	Strategy for Glycoproteomics: Identification of Glyco-Alteration Using Multiple Glycan Profiling Tools. Journal of Proteome Research, 2009, 8, 1358-1367.	3.7	70
70	Î±1,6-Fucosyltransferase-deficient Mice Exhibit Multiple Behavioral Abnormalities Associated with a Schizophrenia-like Phenotype. Journal of Biological Chemistry, 2011, 286, 18434-18443.	3.4	70
71	Characterization of a novel human UDPâ€GalNAc transferase, ppâ€GalNAcâ€T10¹. FEBS Letters, 2002, 531, 115-121.	2.8	68
72	Multilectin Assay for Detecting Fibrosis-Specific Glyco-Alteration by Means of Lectin Microarray. Clinical Chemistry, 2011, 57, 48-56.	3.2	68

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73	Molecular Cloning and Characterization of a Novel 3â€²-Phosphoadenosine 5â€²-Phosphosulfate Transporter, PAPST2. Journal of Biological Chemistry, 2006, 281, 10945-10953.	3.4	67
74	Development of Immunoglobulin A Nephropathy- Like Disease in Î²-1,4-Galactosyltransferase-I-Deficient Mice. American Journal of Pathology, 2007, 170, 447-456.	3.8	67
75	Serum Wisteria Floribunda Agglutinin-Positive Mac-2 Binding Protein Values Predict the Development of Hepatocellular Carcinoma among Patients with Chronic Hepatitis C after Sustained Virological Response. PLoS ONE, 2015, 10, e0129053.	2.5	67
76	Wide Variety of Point Mutations in the H Gene of Bombay and Para-Bombay Individuals That Inactivate H Enzyme. Blood, 1997, 90, 839-849.	1.4	66
77	Normal Embryonic and Germ Cell Development in Mice Lacking Î±1,3-Fucosyltransferase IX (Fut9) Which Show Disappearance of Stage-Specific Embryonic Antigen 1. Molecular and Cellular Biology, 2004, 24, 4221-4228.	2.3	66
78	Characterization of a novel human UDP-GalNAc transferase, pp-GalNAc-T15. FEBS Letters, 2004, 566, 17-24.	2.8	64
79	Application of Lectin Microarray to Crude Samples: Differential Glycan Profiling of Lec Mutants. Journal of Biochemistry, 2006, 139, 323-327.	1.7	64
80	The carbohydrate sequence markup language (CabosML): an XML description of carbohydrate structures. Bioinformatics, 2005, 21, 1717-1718.	4.1	62
81	Human glycogene cloning: focus on Î²3-glycosyltransferase and Î²4-glycosyltransferase families. Current Opinion in Structural Biology, 2006, 16, 567-575.	5.7	62
82	A unique N-glycan on human transferrin in CSF: a possible biomarker for iNPH. Neurobiology of Aging, 2012, 33, 1807-1815.	3.1	62
83	Enhancement of metastatic ability by ectopic expression of ST6GalNAcI on a gastric cancer cell line in a mouse model. Clinical and Experimental Metastasis, 2012, 29, 229-238.	3.3	62
84	Molecular Cloning and Characterization of a Human Multisubstrate Specific Nucleotide-sugar Transporter Homologous to Drosophila fringe connection. Journal of Biological Chemistry, 2004, 279, 26469-26474.	3.4	61
85	WURCS: The Web3 Unique Representation of Carbohydrate Structures. Journal of Chemical Information and Modeling, 2014, 54, 1558-1566.	5.4	61
86	Serum <scp>WFA</scp>⁺â€M2<scp>BP</scp> levels for evaluation of early stages of liver fibrosis in patients with chronic hepatitis B virus infection. Liver International, 2017, 37, 35-44.	3.9	61
87	Chondroitin Sulfate N-Acetylgalactosaminyltransferase 1 Is Necessary for Normal Endochondral Ossification and Aggrecan Metabolism. Journal of Biological Chemistry, 2011, 286, 5803-5812.	3.4	60
88	Structural Basis for the Recognition of Lewis Antigens by Genogroup I Norovirus. Journal of Virology, 2012, 86, 11138-11150.	3.4	60
89	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. Journal of Proteome Research, 2018, 17, 4097-4112.	3.7	60
90	LARGE2 facilitates the maturation of Î±-dystroglycan more effectively than LARGE. Biochemical and Biophysical Research Communications, 2005, 329, 1162-1171.	2.1	59

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91	Molecular cloning and characterization of Î²1,4-N-acetylgalactosaminyltransferases IV synthesizingN,Nâ€²-diacetyllactosediamine1. FEBS Letters, 2004, 562, 134-140.	2.8	58
92	Toolboxes for a standardised and systematic study of glycans. BMC Bioinformatics, 2014, 15, S9.	2.6	58
93	Characterization of a Heparan Sulfate 3-O-Sulfotransferase-5, an Enzyme Synthesizing a Tetrasulfated Disaccharide. Journal of Biological Chemistry, 2003, 278, 26780-26787.	3.4	57
94	A Novel Human Î²1,3-N-Acetylgalactosaminyltransferase That Synthesizes a Unique Carbohydrate Structure, GalNAcÎ²1-3GlcNAc. Journal of Biological Chemistry, 2004, 279, 14087-14095.	3.4	57
95	Cell-Cell Interaction-dependent Regulation of N-Acetylglucosaminyltransferase III and the Bisected N-Glycans in GE11 Epithelial Cells. Journal of Biological Chemistry, 2006, 281, 13038-13046.	3.4	57
96	A heterozygous mutation of GALNTL5 affects male infertility with impairment of sperm motility. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1120-1125.	7.1	57
97	The Lectin Frontier Database (LfDB), and Data Generation Based on Frontal Affinity Chromatography. Molecules, 2015, 20, 951-973.	3.8	56
98	Wisteria floribunda agglutinin positive human Macâ€2â€binding protein as a predictor of hepatocellular carcinoma development in chronic hepatitis C patients. Hepatology Research, 2015, 45, E82-8.	3.4	55
99	Development of M2BPGi: a novel fibrosis serum glyco-biomarker for chronic hepatitis/cirrhosis diagnostics. Expert Review of Proteomics, 2015, 12, 683-693.	3.0	55
100	Clinicopathological characteristics and diagnostic performance of Wisteria floribunda agglutinin positive Mac-2-binding protein as a preoperative serum marker of liver fibrosis in hepatocellular carcinoma. Journal of Gastroenterology, 2015, 50, 1134-1144.	5.1	53
101	Identification of a novel human UDP-GalNAc transferase with unique catalytic activity and expression profile. Biochemical and Biophysical Research Communications, 2010, 402, 680-686.	2.1	52
102	Glycoproteomic Discovery of Serological Biomarker Candidates for HCV/HBV Infection-Associated Liver Fibrosis and Hepatocellular Carcinoma. Journal of Proteome Research, 2013, 12, 2630-2640.	3.7	52
103	Accumulation of free complex-type N-glycans in MKN7 and MKN45 stomach cancer cells. Biochemical Journal, 2008, 413, 227-237.	3.7	51
104	Supported Molecular Matrix Electrophoresis: A New Tool for Characterization of Glycoproteins. Analytical Chemistry, 2009, 81, 3816-3823.	6.5	51
105	GlycoRDF: an ontology to standardize glycomics data in RDF. Bioinformatics, 2015, 31, 919-925.	4.1	51
106	Î²3GnT2 (B3GNT2), a Major Polylactosamine Synthase: Analysis of B3gnt2-Deficient Mice. Methods in Enzymology, 2010, 479, 185-204.	1.0	50
107	Construction of a Chondroitin Sulfate Library with Defined Structures and Analysis of Molecular Interactions. Journal of Biological Chemistry, 2012, 287, 43390-43400.	3.4	50
108	HEG1 is a novel mucin-like membrane protein that serves as a diagnostic and therapeutic target for malignant mesothelioma. Scientific Reports, 2017, 7, 45768.	3.3	50

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109	Elevated transcript level of hyaluronan synthase1 gene correlates with poor prognosis of human colon cancer. Clinical and Experimental Metastasis, 2004, 21, 57-63.	3.3	48
110	A novel serum carbohydrate marker on mucin 5AC. Cancer, 2011, 117, 3393-3403.	4.1	48
111	Influenza A Virus-Induced Expression of a GalNAc Transferase, GALNT3, via MicroRNAs Is Required for Enhanced Viral Replication. Journal of Virology, 2016, 90, 1788-1801.	3.4	48
112	A standardized method for lectin microarray-based tissue glycome mapping. Scientific Reports, 2017, 7, 43560.	3.3	48
113	Developmental Change of Sialidase Neu4 Expression in Murine Brain and Its Involvement in the Regulation of Neuronal Cell Differentiation. Journal of Biological Chemistry, 2009, 284, 21157-21164.	3.4	47
114	BioHackathon series in 2011 and 2012: penetration of ontology and linked data in life science domains. Journal of Biomedical Semantics, 2014, 5, 5.	1.6	47
115	Introducing glycomics data into the Semantic Web. Journal of Biomedical Semantics, 2013, 4, 39.	1.6	46
116	Glycoproteomics-based cancer marker discovery adopting dual enrichment with Wisteria floribunda agglutinin for high specific glyco-diagnosis of cholangiocarcinoma. Journal of Proteomics, 2013, 85, 1-11.	2.4	46
117	Lectin Microarray-Based Sero-Biomarker Verification Targeting Aberrant O-Linked Glycosylation on Mucin 1. Analytical Chemistry, 2015, 87, 7274-7281.	6.5	46
118	Different Levels of Sialyl-Tn Antigen Expressed on MUC16 in Patients With Endometriosis and Ovarian Cancer. International Journal of Gynecological Cancer, 2012, 22, 531-538.	2.5	45
119	Strategy for Simulation of CID Spectra of N-Linked Oligosaccharides toward Glycomics. Journal of Proteome Research, 2006, 5, 808-814.	3.7	44
120	Bioinformatics for comprehensive finding and analysis of glycosyltransferases. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 578-583.	2.4	44
121	Differential expression of glycogenes in tonsillar B lymphocytes in association with proteinuria and renal dysfunction in IgA nephropathy. Clinical Immunology, 2010, 136, 447-455.	3.2	44
122	Comparison of glycosyltransferase families using the profile hidden Markov model. Biochemical and Biophysical Research Communications, 2003, 310, 574-579.	2.1	43
123	Detection of Oligosaccharides Labeled with Cyanine Dyes Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 4537-4542.	6.5	43
124	Apical Golgi localization of N,Nâ€²-diacetyllactosediamine synthase, Î²4GalNAc-T3, is responsible for LacdiNAc expression on gastric mucosa. Glycobiology, 2006, 16, 777-785.	2.5	43
125	Comprehensive Enzymatic Characterization of Glycosyltransferases with a Î²3GT or Î²4GT Motif. Methods in Enzymology, 2006, 416, 91-102.	1.0	43
126	Characterization of ppGalNAc-T18, a member of the vertebrate-specific Y subfamily of UDP-N-acetyl-Î±-d-galactosamine:polypeptide N-acetylgalactosaminyltransferases â€. Glycobiology, 2012, 22, 602-615.	2.5	43

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127	WURCS 2.0 Update To Encapsulate Ambiguous Carbohydrate Structures. Journal of Chemical Information and Modeling, 2017, 57, 632-637.	5.4	43
128	A novel glycosyltransferase with a polyglutamine repeat; a new candidate for GD1Î± synthase (ST6GalNAc V)1. FEBS Letters, 1999, 463, 92-96.	2.8	42
129	Lewis Type 1 Antigen Synthase (Î²3Gal-T5) Is Transcriptionally Regulated by Homeoproteins. Journal of Biological Chemistry, 2003, 278, 36611-36620.	3.4	42
130	Chondroitin Sulfate N-Acetylgalactosaminyltransferase-1 Plays a Critical Role in Chondroitin Sulfate Synthesis in Cartilage. Journal of Biological Chemistry, 2007, 282, 4152-4161.	3.4	42
131	Kinetic Study of Human Î²- 1,4-Galactosyltrasgerase Expressed in E.coli1. Journal of Biochemistry, 1993, 113, 747-753.	1.7	40
132	Induction of podoplanin by transforming growth factorâ€Î²2 in human fibrosarcoma. FEBS Letters, 2008, 582, 341-345.	2.8	40
133	Lack of lacto/neolacto-glycolipids enhances the formation of glycolipid-enriched microdomains, facilitating B cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11900-11905.	7.1	39
134	Implementation of GlycanBuilder to draw a wide variety of ambiguous glycans. Carbohydrate Research, 2017, 445, 104-116.	2.3	39
135	Receptor for Hyaluronan-mediated Motility and CD44 Expressions in Colon Cancer Assessed by Quantitative Analysis Using Real-time Reverse Transcriptase-Polymerase Chain Reaction. Japanese Journal of Cancer Research, 1999, 90, 987-992.	1.7	38
136	Distinct Substrate Specificities of Five Human Î±-1,3-Fucosyltransferases forin VivoSynthesis of the Sialyl Lewis x and Lewis x Epitopes. Biochemical and Biophysical Research Communications, 1997, 237, 131-137.	2.1	37
137	Identification and characterization of endo-Â-N-acetylglucosaminidase from methylotrophic yeast Ogataea minuta. Glycobiology, 2013, 23, 736-744.	2.5	37
138	Expression of Cutaneous Lymphocyte-Associated Antigen Regulated by a Set of Glycosyltransferases in Human T Cells: Involvement of Î±1,3-Fucosyltransferase VII and Î²1,4-Galactosyltransferase I. Journal of Investigative Dermatology, 2000, 115, 299-306.	0.7	36
139	Human ZG16p recognizes pathogenic fungi through non-self polyvalent mannose in the digestive system. Glycobiology, 2012, 22, 210-220.	2.5	35
140	LecT-hepa, a glyco-marker derived from multiple lectins, as a predictor of liver fibrosis in chronic hepatitis C patients. Hepatology, 2012, 56, 1448-1456.	7.3	35
141	Large-scale mutational analysis in the EXT1 and EXT2 genes for Japanese patients with multiple osteochondromas. BMC Genetics, 2016, 17, 52.	2.7	35
142	Novel Glycobiomarker for Ovarian Cancer That Detects Clear Cell Carcinoma. Journal of Proteome Research, 2014, 13, 1624-1635.	3.7	34
143	Large-Scale Identification of N-Glycan Glycoproteins Carrying Lewis x and Site-Specific N-Glycan Alterations in Fut9 Knockout Mice. Journal of Proteome Research, 2015, 14, 3823-3834.	3.7	34
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302	Comparison of Glycosyltransferase Families Using the Profile Hidden Markov Model. Trends in Glycoscience and Glycotechnology, 2004, 16, 87-94.	0.1	0
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