Naoyuki Taniguchi

List of Publications by Year
in descending order

158 papers	12,358 citations	20817 60 h-index	27406 106 g-index
161 all docs	161 docs citations	161 times ranked	11024 citing authors

#	Article	IF	Citations
1	Role of glycosyltransferases in carcinogenesis; growth factor signaling and EMT/MET programs. Glycoconjugate Journal, 2022, 39, 167-176.	2.7	19
2	Identification of distinct N-glycosylation patterns on extracellular vesicles from small-cell and nonâ€“small-cell lung cancer cells. Journal of Biological Chemistry, 2022, 298, 101950.	3.4	12
3	True significance of N-acetylglucosaminyltransferases GnT-III, V and Î±1,6 fucosyltransferase in epithelial-mesenchymal transition and cancer. Molecular Aspects of Medicine, 2021, 79, 100905.	6.4	27
4	Glycans in Chronic Obstructive Pulmonary Disease (COPD). , 2021, , 250-257.		0
5	Keratan sulfate-based glycomimetics using Langerin as a target for COPD: lessons from studies on Fut8 and core fucose. Biochemical Society Transactions, 2021, 49, 441-453.	3.4	3
6	Loss of core fucosylation reduces low-density lipoprotein receptor expression in hepatocytes by inducing PCSK9 production. Biochemical and Biophysical Research Communications, 2020, 527, 682-688.	2.1	0
7	Involvement of the Î±-helical and Src homology 3 domains in the molecular assembly and enzymatic activity of human Î±1,6-fucosyltransferase, FUT8. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129596.	2.4	11
8	3D Structure and Function of Glycosyltransferases Involved in N-glycan Maturation. International Journal of Molecular Sciences, 2020, 21, 437.	4.1	41
9	Hideki Ohno (1948â€“2019). Antioxidants and Redox Signaling, 2019, 31, 1025-1026.	5.4	0
10	Updates to the Symbol Nomenclature for Glycans guidelines. Glycobiology, 2019, 29, 620-624.	2.5	292
11	Core fucose is essential glycosylation for CD14-dependent Toll-like receptor 4 and Toll-like receptor 2 signalling in macrophages. Journal of Biochemistry, 2019, 165, 227-237.	1.7	22
12	Life-Style Related Disease and Aging. , 2019, , 269-288.		0
13	Identification and characterization of UDP-mannose in human cell lines and mouse organs: Differential distribution across brain regions and organs. Biochemical and Biophysical Research Communications, 2018, 495, 401-407.	2.1	12
14	Core Fucosylation of the T Cell Receptor Is Required for T Cell Activation. Frontiers in Immunology, 2018, 9, 78.	4.8	65
15	Implication of C-type lectin receptor langerin and keratan sulfate disaccharide in emphysema. Cellular Immunology, 2018, 333, 80-84.	3.0	5
16	Structure and mechanism of cancer-associated N-acetylglucosaminyltransferase-V. Nature Communications, 2018, 9, 3380.	12.8	60
17	Neural functions of bisecting GlcNAc. Glycoconjugate Journal, 2018, 35, 345-351.	2.7	33
18	A keratan sulfate disaccharide prevents inflammation and the progression of emphysema in murine models. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L268-L276.	2.9	20

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19	Alteration of N -glycan expression profile and glycan pattern of glycoproteins in human hepatoma cells after HCV infection. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1036-1045.	2.4	28
20	The Inhibitory Role of Î±2,6-Sialylation in Adipogenesis. Journal of Biological Chemistry, 2017, 292, 2278-2286.	3.4	23
21	An Alkynyl-Fucose Halts Hepatoma Cell Migration and Invasion by Inhibiting GDP-Fucose-Synthesizing Enzyme FX, TSTA3. Cell Chemical Biology, 2017, 24, 1467-1478.e5.	5.2	47
22	Core fucose is critical for CD14-dependent Toll-like receptor 4 signaling. Glycobiology, 2017, 27, 1006-1015.	2.5	32
23	Enzymes for N-Glycan Branching and Their Genetic and Nongenetic Regulation in Cancer. Biomolecules, 2016, 6, 25.	4.0	125
24	Glycation vs. glycosylation: a tale of two different chemistries and biology in Alzheimerâ€™s disease. Glycoconjugate Journal, 2016, 33, 487-497.	2.7	20
25	Disease-associated glycans on cell surface proteins. Molecular Aspects of Medicine, 2016, 51, 56-70.	6.4	64
26	Glyco-redox, a link between oxidative stress and changes of glycans: Lessons from research on glutathione, reactive oxygen and nitrogen species to glycobiology. Archives of Biochemistry and Biophysics, 2016, 595, 72-80.	3.0	31
27	N-glycans of growth factor receptors: their role in receptor function and disease implications. Clinical Science, 2016, 130, 1781-1792.	4.3	25
28	High-Sensitivity and Low-Toxicity Fucose Probe for Glycan Imaging and Biomarker Discovery. Cell Chemical Biology, 2016, 23, 782-792.	5.2	39
29	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. Glycoconjugate Journal, 2016, 33, 405-415.	2.7	25
30	Core Fucosylation on T Cells, Required for Activation of T-Cell Receptor Signaling and Induction of Colitis in Mice, Is Increased in Patients With Inflammatory Bowel Disease. Gastroenterology, 2016, 150, 1620-1632.	1.3	93
31	O-mannosylation and N-glycosylation: two coordinated mechanisms regulating the tumour suppressor functions of E-cadherin in cancer. Oncotarget, 2016, 7, 65231-65246.	1.8	35
32	Loss of Î±1,6-fucosyltransferase suppressed liver regeneration: implication of core fucose in the regulation of growth factor receptor-mediated cellular signaling. Scientific Reports, 2015, 5, 8264.	3.3	39
33	An aberrant sugar modification of <scp>BACE</scp>1 blocks its lysosomal targeting in <scp>A</scp>lzheimer's disease. EMBO Molecular Medicine, 2015, 7, 175-189.	6.9	147
34	Core Fucosylation of IgG B Cell Receptor Is Required for Antigen Recognition and Antibody Production. Journal of Immunology, 2015, 194, 2596-2606.	0.8	69
35	Glycans and Cancer. Advances in Cancer Research, 2015, 126, 11-51.	5.0	327
36	Fucosylated surfactant protein-D is a biomarker candidate for the development of chronic obstructive pulmonary disease. Journal of Proteomics, 2015, 127, 386-394.	2.4	25

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37	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	2.5	818
38	Expression of Fucosyltransferase 8 Is Associated with an Unfavorable Clinical Outcome in Non-Small Cell Lung Cancers. Oncology, 2015, 88, 298-308.	1.9	49
39	Loss of Î±1,6-Fucosyltransferase Decreases Hippocampal Long Term Potentiation. Journal of Biological Chemistry, 2015, 290, 17566-17575.	3.4	41
40	Chronic Obstructive Pulmonary Disease (COPD). , 2015, , 1267-1274.		2
41	Core Fucosylation of N-Linked Glycan for Fine-Tuning TGF Î² Receptor Function. , 2015, , 991-997.		1
42	Fucosyltransferase 8. GDP-Fucose N-Glycan Core Î±6-Fucosyltransferase (FUT8). , 2014, , 581-596.		5
43	The Absence of Core Fucose Up-regulates GnT-III and Wnt Target Genes. Journal of Biological Chemistry, 2014, 289, 11704-11714.	3.4	50
44	Synthesis of N -glycan units for assessment of substrate structural requirements of N -acetylglucosaminyltransferase III. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4533-4537.	2.2	11
45	Mannosyl (Alpha-1,6-)-Glycoprotein Beta-1,6-N-Acetyl-Glucosaminyltransferase (MGAT5). , 2014, , 233-246.		2
46	Chronic Obstructive Pulmonary Disease (COPD). , 2014, , 1-7.		0
47	Core Fucosylation of N-linked Glycan for Fine-Tuning TGF-Î² Receptor Function. , 2014, , 1-6.		0
48	An Assay for Î± 1,6-Fucosyltransferase (FUT8) Activity Based on the HPLC Separation of a Reaction Product with Fluorescence Detection. Methods in Molecular Biology, 2013, 1022, 335-348.	0.9	7
49	E-cadherin and adherens-junctions stability in gastric carcinoma: Functional implications of glycosyltransferases involving N-glycan branching biosynthesis, N-acetylglucosaminyltransferases III and V. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2690-2700.	2.4	101
50	Loss of Branched O-Mannosyl Glycans in Astrocytes Accelerates Remyelination. Journal of Neuroscience, 2013, 33, 10037-10047.	3.6	65
51	Reevaluation of a lectin antibody ELISA kit for measuring fucosylated haptoglobin in various conditions. Clinica Chimica Acta, 2013, 417, 48-53.	1.1	37
52	Sensitivity of Heterozygous Î±1,6-Fucosyltransferase Knock-out Mice to Cigarette Smoke-induced Emphysema. Journal of Biological Chemistry, 2012, 287, 16699-16708.	3.4	55
53	N-Glycans of SREC-I (scavenger receptor expressed by endothelial cells): Essential role for ligand binding, trafficking and stability. Glycobiology, 2012, 22, 714-724.	2.5	24
54	Core Fucosylation of Î¼ Heavy Chains Regulates Assembly and Intracellular Signaling of Precursor B Cell Receptors. Journal of Biological Chemistry, 2012, 287, 2500-2508.	3.4	26

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55	Î±1,6-Fucosyltransferase (Fut8) is implicated in vulnerability to elastase-induced emphysema in mice and a possible non-invasive predictive marker for disease progression and exacerbations in chronic obstructive pulmonary disease (COPD). Biochemical and Biophysical Research Communications, 2012, 424, 112-117.	2.1	27
56	Visualizing specific protein glycoforms by transmembrane fluorescence resonance energy transfer. Nature Communications, 2012, 3, 907.	12.8	103
57	2.7 Biological functions of branched N-glycans related to physiology and pathology of extracellular matrix. , 2012, , 119-132.		0
58	Integrated approach toward the discovery of glycoâ€biomarkers of inflammationâ€related diseases. Annals of the New York Academy of Sciences, 2012, 1253, 159-169.	3.8	36
59	Alteration in Nâ€glycomics during mouse aging: a role for FUT8. Aging Cell, 2011, 10, 1056-1066.	6.7	28
60	N-Glycosylation profiling of recombinant mouse extracellular superoxide dismutase produced in Chinese hamster ovary cells. Glycoconjugate Journal, 2011, 28, 183-196.	2.7	7
61	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
62	Capillary Electrophoresis and Capillary Electrophoresisâ€“Mass Spectrometry for Structural Analysis of N-Glycans Derived from Glycoproteins. , 2011, , 205-235.		10
63	Branched N-glycans and their implications for cell adhesion, signaling and clinical applications for cancer biomarkers and in therapeutics. BMB Reports, 2011, 44, 772-781.	2.4	104
64	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	3.8	136
65	Protective effect of N-glycan bisecting GlcNAc residues on Â-amyloid production in Alzheimer's disease. Glycobiology, 2010, 20, 99-106.	2.5	83
66	From the Î³-Glutamyl Cycle to the Glycan Cycle: A Road with Many Turns and Pleasant Surprises. Journal of Biological Chemistry, 2009, 284, 34469-34478.	3.4	24
67	Requirement of Fut8 for the expression of vascular endothelial growth factor receptor-2: a new mechanism for the emphysema-like changes observed in Fut8-deficient mice. Journal of Biochemistry, 2009, 145, 643-651.	1.7	44
68	Core fucosylation of Eâ€cadherin enhances cellâ€“cell adhesion in human colon carcinoma WiDr cells. Cancer Science, 2009, 100, 888-895.	3.9	111
69	Core fucose and bisecting GlcNAc, the direct modifiers of the N-glycan core: their functions and target proteins. Carbohydrate Research, 2009, 344, 1387-1390.	2.3	203
70	Towards an integrated proteomic and glycomic approach to finding cancer biomarkers. Genome Medicine, 2009, 1, 57.	8.2	63
71	Siteâ€specific analysis of Nâ€glycans on haptoglobin in sera of patients with pancreatic cancer: A novel approach for the development of tumor markers. International Journal of Cancer, 2008, 122, 2301-2309.	5.1	125
72	Branched Nâ€glycans regulate the biological functions of integrins and cadherins. FEBS Journal, 2008, 275, 1939-1948.	4.7	204

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73	Functional roles of Nâ€glycans in cell signaling and cell adhesion in cancer. Cancer Science, 2008, 99, 1304-1310.	3.9	351
74	N-glycan of ErbB family plays a crucial role in dimer formation and tumor promotion. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 520-524.	2.4	52
75	Human Disease Glycomics/Proteome Initiative (HGPI). Molecular and Cellular Proteomics, 2008, 7, 626-627.	3.8	16
76	Knockout Mice of Î±1,6 Fucosyltransferase (Fut 8). , 2008, , 379-380.		0
77	The Asn418-Linked N-Glycan of ErbB3 Plays a Crucial Role in Preventing Spontaneous Heterodimerization and Tumor Promotion. Cancer Research, 2007, 67, 1935-1942.	0.9	51
78	Carbohydrate Binding Specificity of a Fucose-specific Lectin from Aspergillus oryzae. Journal of Biological Chemistry, 2007, 282, 15700-15708.	3.4	151
79	Reduced Â4 1 Integrin/VCAM-1 Interactions Lead to Impaired Pre-B Cell Repopulation in Alpha 1,6-Fucosyltransferase Deficient Mice. Glycobiology, 2007, 18, 114-124.	2.5	27
80	Crystal structure of mammalian Î±1,6-fucosyltransferase, FUT8. Glycobiology, 2007, 17, 455-466.	2.5	114
81	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
82	A sugar-coated switch for cellular growth and arrest. Nature Chemical Biology, 2007, 3, 307-309.	8.0	27
83	Core Fucosylation Regulates Epidermal Growth Factor Receptor-mediated Intracellular Signaling. Journal of Biological Chemistry, 2006, 281, 2572-2577.	3.4	281
84	Phenotype Changes of Fut8 Knockout Mouse: Core Fucosylation Is Crucial for the Function of Growth Factor Receptor(s). Methods in Enzymology, 2006, 417, 11-22.	1.0	72
85	Glycomics â€“ a new target for pharmaceuticals. Drug Discovery Today: Technologies, 2006, 3, 39-47.	4.0	6
86	High expression ofN-acetylglucosaminyltransferase V in favorable neuroblastomas: Involvement of its effect on apoptosis. FEBS Letters, 2006, 580, 627-632.	2.8	42
87	From glycomics to functional glycomics of sugar chains: Identification of target proteins with functional changes using gene targeting mice and knock down cells of FUT8 as examples. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1881-1889.	2.3	24
88	From glycobiology to systems glycobiology: International network with Japanese scientists through consortia. IUBMB Life, 2006, 58, 269-272.	3.4	6
89	Decoding sugar functions by identifying target glycoproteins. Current Opinion in Structural Biology, 2006, 16, 561-566.	5.7	112
90	Fucosylated haptoglobin is a novel marker for pancreatic cancer: A detailed analysis of the oligosaccharide structure and a possible mechanism for fucosylation. International Journal of Cancer, 2006, 118, 2803-2808.	5.1	271

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91	Reaction mechanism and substrate specificity for nucleotide sugar of mammalian Î±1,6-fucosyltransferaseâ€"a large-scale preparation and characterization of recombinant human FUT8. Glycobiology, 2006, 16, 333-342.	2.5	67
92	Fucosylation of N-Glycans Regulates the Secretion of Hepatic Glycoproteins into Bile Ducts. Journal of Biological Chemistry, 2006, 281, 29797-29806.	3.4	110
93	Site-specific Labeling of Cytoplasmic Peptide:N-Glycanase by N,Nâ€²-Diacetylchitobiose-related Compounds. Journal of Biological Chemistry, 2006, 281, 22152-22160.	3.4	34
94	Deletion of Core Fucosylation on Î±3Î²1 Integrin Down-regulates Its Functions. Journal of Biological Chemistry, 2006, 281, 38343-38350.	3.4	123
95	Î²1,4-N-Acetylglucosaminyltransferase III potentiates Î²1 integrin-mediated neuritogenesis induced by serum deprivation in Neuro2a cells. Glycobiology, 2006, 16, 564-571.	2.5	30
96	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
97	Loss of Core Fucosylation of Low-Density Lipoprotein Receptorâ€"Related Protein-1 Impairs Its Function, Leading to the Upregulation of Serum Levels of Insulin-Like Growth Factorâ€"Binding Protein 3 in Fut8â^'/â^' Mice. Journal of Biochemistry, 2006, 139, 391-398.	1.7	47
98	A Common Pathway for Intracellular Reactive Oxygen Species Production by Glycoxidative and Nitroxidative Stress in Vascular Endothelial Cells and Smooth Muscle Cells. Annals of the New York Academy of Sciences, 2005, 1043, 521-528.	3.8	13
99	Testis-specific sulfoglycolipid, seminolipid, is essential for germ cell function in spermatogenesis. Glycobiology, 2005, 15, 649-654.	2.5	45
100	Core fucosylation of N-linked glycans in leukocyte adhesion deficiency/congenital disorder of glycosylation IIc fibroblasts. Glycobiology, 2005, 15, 924-934.	2.5	25
101	Production of a Recombinant Single-Chain Variable-Fragment (scFv) Antibody against Sulfoglycolipid. Journal of Biochemistry, 2005, 137, 415-421.	1.7	9
102	From The Cover: Dysregulation of TGF-Â1 receptor activation leads to abnormal lung development and emphysema-like phenotype in core fucose-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15791-15796.	7.1	413
103	Induction of thioredoxin reductase as an adaptive response to acrolein in human umbilical vein endothelial cells. Biochemical and Biophysical Research Communications, 2005, 327, 1058-1065.	2.1	71
104	HB-EGF Is a Potent Inducer of Tumor Growth and Angiogenesis. Cancer Research, 2004, 64, 5283-5290.	0.9	192
105	Cerebroside Sulfotransferase Deficiency Ameliorates L-selectin-dependent Monocyte Infiltration in the Kidney after Ureteral Obstruction. Journal of Biological Chemistry, 2004, 279, 2085-2090.	3.4	41
106	Introduction of Bisecting GlcNAc into Integrin Î±5Î²1 Reduces Ligand Binding and Down-regulates Cell Adhesion and Cell Migration. Journal of Biological Chemistry, 2004, 279, 19747-19754.	3.4	162
107	Biological roles of sulfoglycolipids and pathophysiology of their deficiency. Glycoconjugate Journal, 2004, 21, 59-62.	2.7	65
108	Synthesis of a Bisubstrate-Type Inhibitor ofN-Acetylglucosaminyltransferases. Angewandte Chemie - International Edition, 2004, 43, 5674-5677.	13.8	17

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109	Lactosylsulfatide expression in hepatocellular carcinoma cells enhances cell adhesion to vitronectin and intrahepatic metastasis in nude mice. International Journal of Cancer, 2004, 110, 504-510.	5.1	39
110	Functional glycomics and evidence for gain- and loss-of-functions of target proteins for glycosyltransferases involved in N-glycan biosynthesis: their pivotal roles in growth and development, cancer metastasis and antibody therapy against cancer. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2004, 80, 82-91.	3.8	16
111	Role of N-glycans in growth factor signaling. Glycoconjugate Journal, 2003, 20, 207-212.	2.7	67
112	Oxidative Stress Caused by Inactivation of Glutathione Peroxidase and Adaptive Responses. Biological Chemistry, 2003, 384, 567-74.	2.5	170
113	Addition of Â1-6 GlcNAc branching to the oligosaccharide attached to Asn 772 in the serine protease domain of matriptase plays a pivotal role in its stability and resistance against trypsin. Glycobiology, 2003, 14, 139-146.	2.5	52
114	Â1,4-N-Acetylglucosaminyltransferase III down-regulates neurite outgrowth induced by costimulation of epidermal growth factor and integrins through the Ras/ERK signaling pathway in PC12 cells. Glycobiology, 2003, 14, 177-186.	2.5	52
115	Relationship between elevated FX expression and increased production of GDP-L-fucose, a common donor substrate for fucosylation in human hepatocellular carcinoma and hepatoma cell lines. Cancer Research, 2003, 63, 6282-9.	0.9	107
116	A Glycomic Approach to Hepatic Tumors in N -acetylglucosaminyltransferase III (GnT-III) Transgenic Mice Induced by Diethylnitrosamine (DEN): Identification of Haptoglobin as a Target Molecule of GnT-III. Free Radical Research, 2002, 36, 827-833.	3.3	11
117	Paranodal junction formation and spermatogenesis require sulfoglycolipids. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4227-4232.	7.1	307
118	Induction of Thioredoxin Reductase Gene Expression by Peroxynitrite in Human Umbilical Vein Endothelial Cells. Biological Chemistry, 2002, 383, 683-91.	2.5	31
119	A Secreted Type of Î²1,6-N-Acetylglucosaminyltransferase V (GnT-V) Induces Tumor Angiogenesis without Mediation of Glycosylation. Journal of Biological Chemistry, 2002, 277, 17002-17008.	3.4	77
120	Prometastatic Effect ofN-Acetylglucosaminyltransferase V Is Due to Modification and Stabilization of Active Matriptase by Adding Î²1â€“6 GlcNAc Branching. Journal of Biological Chemistry, 2002, 277, 16960-16967.	3.4	167
121	Apolipoprotein E Activates Akt Pathway in Neuro-2a in an Isoform-Specific Manner. Biochemical and Biophysical Research Communications, 2002, 292, 83-87.	2.1	28
122	Dysfunction of antioxidative enzymes and redox regulation under nitrosative stress and glycoxidative stress. International Congress Series, 2002, 1245, 23-30.	0.2	1
123	Estrogen Induces the Akt-dependent Activation of Endothelial Nitric-oxide Synthase in Vascular Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 3459-3467.	3.4	340
124	A glycomic approach to the identification and characterization of glycoprotein function in cells transfected with glycosyltransferase genes. Proteomics, 2001, 1, 239-247.	2.2	79
125	Inactivation of glutathione peroxidase by nitric oxide leads to the accumulation of H2O2and the induction of HBâ€EGF via câ€jun NH2â€terminal kinase in rat aortic smooth muscle cells. FASEB Journal, 2001, 15, 1472-1474.	0.5	33
126	Down-regulation of the Î±-Gal Epitope Expression inN-Glycans of Swine Endothelial Cells by Transfection with theN-Acetylglucosaminyltransferase III Gene. Journal of Biological Chemistry, 2001, 276, 32867-32874.	3.4	41

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127	The Addition of Bisecting N-Acetylglucosamine Residues to E-cadherin Down-regulates the Tyrosine Phosphorylation of Î²-Catenin. Journal of Biological Chemistry, 2001, 276, 475-480.	3.4	88
128	Induction of Endothelial Nitric-oxide Synthase Phosphorylation by the Raloxifene Analog LY117018 Is Differentially Mediated by Akt and Extracellular Signal-regulated Protein Kinase in Vascular Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 47642-47649.	3.4	67
129	Overexpression of N-Acetylglucosaminyltransferase III Enhances the Epidermal Growth Factor-induced Phosphorylation of ERK in HeLaS3 Cells by Up-regulation of the Internalization Rate of the Receptors. Journal of Biological Chemistry, 2001, 276, 11956-11962.	3.4	87
130	The contribution of fructose and nitric oxide to oxidative stress in hamster islet tumor (HIT) cells through the inactivation of glutathione peroxidase. Electrophoresis, 2000, 21, 285-288.	2.4	19
131	Domain-specific mutations in TGFB1 result in Camurati-Engelmann disease. Nature Genetics, 2000, 26, 19-20.	21.4	239
132	Ectodomain Shedding of Epidermal Growth Factor Receptor Ligands Is Required for Keratinocyte Migration in Cutaneous Wound Healing. Journal of Cell Biology, 2000, 151, 209-220.	5.2	279
133	The Asn-420-linked Sugar Chain in Human Epidermal Growth Factor Receptor Suppresses Ligand-independent Spontaneous Oligomerization. Journal of Biological Chemistry, 2000, 275, 21988-21994.	3.4	105
134	Localization of CD9, an Enhancer Protein for Proheparin-Binding Epidermal Growth Factorâ€“Like Growth Factor, in Human Atherosclerotic Plaques. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1236-1243.	2.4	28
135	Redox Capacity of Cells Affects Inactivation of Glutathione Reductase by Nitrosative Stress. Archives of Biochemistry and Biophysics, 2000, 378, 123-130.	3.0	32
136	Down regulation of superoxide dismutases and glutathione peroxidase by reactive oxygen and nitrogen species. Free Radical Research, 1999, 31, 301-308.	3.3	61
137	Implication of N-acetylglucosaminyltransferases III and V in cancer: gene regulation and signaling mechanism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 287-300.	3.8	125
138	Acceleration of Adhesion of Cancer Cells and Neutrophils to Endothelial Cells in the Absence ofde NovoProtein Synthesis: Possible Implication for Involvement of Hydroxyl Radicals. Biochemical and Biophysical Research Communications, 1999, 257, 214-217.	2.1	9
139	CuZnSOD and MnSOD immunoreactivity in brain stem motor neurons from amyotropic lateral sclerosis patients. Acta Neuropathologica, 1998, 95, 63-70.	7.7	22
140	Reactive oxygen species enhances the induction of inducible nitric oxide synthase by sphingomyelinase in RAW264.7 cells. Lipids and Lipid Metabolism, 1998, 1393, 203-210.	2.6	24
141	Dysfunction of antioxidative enzymes in the trinitrobenzenesulfonic acid-induced colitis rat. Pathophysiology, 1998, 5, 191-198.	2.2	3
142	Overexpression of N-Acetylglucosaminyltransferase III Disrupts the Tyrosine Phosphorylation of Trk with Resultant Signaling Dysfunction in PC12 Cells Treated with Nerve Growth Factor. Journal of Biological Chemistry, 1997, 272, 9629-9634.	3.4	65
143	Gene Transfection-mediated Overexpression of Î²1,4-N-Acetylglucosamine Bisecting Oligosaccharides in Glioma Cell Line U373 MG Inhibits Epidermal Growth Factor Receptor Function. Journal of Biological Chemistry, 1997, 272, 9275-9279.	3.4	72
144	The Oxidation of Selenocysteine Is Involved in the Inactivation of Glutathione Peroxidase by Nitric Oxide Donor. Journal of Biological Chemistry, 1997, 272, 19152-19157.	3.4	106

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145	Membrane-anchored Heparin-binding Epidermal Growth Factor-like Growth Factor Acts as a Tumor Survival Factor in a Hepatoma Cell Line. Journal of Biological Chemistry, 1997, 272, 14349-14355.	3.4	59
146	Lysophosphatidylcholine Induces Heparin-Binding Epidermal Growth Factor-like Growth Factor and Interferon-? in Human T-Lymphocytes. Annals of the New York Academy of Sciences, 1997, 811, 519-524.	3.8	6
147	Possible role of coexpression of CD9 with membrane-anchored heparin-binding EGF-like growth factor and amphiregulin in cultured human keratinocyte growth. Journal of Cellular Physiology, 1997, 171, 291-298.	4.1	77
148	Expression of Î±1-6 fucosyltransferase in rat tissues and human cancer cell lines. , 1997, 72, 1117-1121.		60
149	Lysophosphatidylcholine Increases Expression of Heparin-Binding Epidermal Growth Factorâ€“Like Growth Factor in Human T Lymphocytes. Circulation Research, 1997, 80, 638-644.	4.5	30
150	Purification and cDNA Cloning of Porcine Brain GDP-L-Fuc:N-Acetyl-Î²-D-Glucosaminide Î±1â†'6Fucosyltransferase. Journal of Biological Chemistry, 1996, 271, 27810-27817.	3.4	194
151	Amino-terminal Processing of Cell Surface Heparin-binding Epidermal Growth Factor-like Growth Factor Up-regulates Its Juxtacrine but Not Its Paracrine Growth Factor Activity. Journal of Biological Chemistry, 1996, 271, 30858-30863.	3.4	34
152	Inactivation of Glutathione Peroxidase by Nitric Oxide. Journal of Biological Chemistry, 1995, 270, 21035-21039.	3.4	280
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154	Nitric Oxide Synthase from Rat Colorectum: Purification, Peptide Sequencing, Partial PCR Cloning, and Immunohistochemistry1. Journal of Biochemistry, 1994, 115, 602-607.	1.7	24
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