Hideyuki Ihara

List of Publications by Year
in descending order

38 papers	1,145 citations	471509 17 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	1329 citing authors

#	Article	IF	Citations
1	Core Fucosylation Regulates Epidermal Growth Factor Receptor-mediated Intracellular Signaling. Journal of Biological Chemistry, 2006, 281, 2572-2577.	3.4	281
2	Crystal structure of mammalian Î±1,6-fucosyltransferase, FUT8. Glycobiology, 2007, 17, 455-466.	2.5	114
3	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
4	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
5	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
6	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
7	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
8	The Critical Role of the Stem Region as a Functional Domain Responsible for the Oligomerization and Golgi Localization of N-Acetylglucosaminyltransferase V. Journal of Biological Chemistry, 2001, 276, 759-765.	3.4	47
9	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
10	Caveolin-1 Regulates the Functional Localization of N-Acetylglucosaminyltransferase III within the Golgi Apparatus. Journal of Biological Chemistry, 2003, 278, 25295-25301.	3.4	32
11	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
12	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
13	A catalytically inactive Î²1,4-N -acetylglucosaminyltransferase III (GnT-III) behaves as a dominant negative GnT-III inhibitor. FEBS Journal, 2002, 269, 193-201.	0.2	26
14	N-Glycosylation engineering of lepidopteran insect cells by the introduction of the Â1,4-N-acetylglucosaminyltransferase III gene. Glycobiology, 2010, 20, 1147-1159.	2.5	25
15	Reduced Surface Expression of TLR4 by a V254I Point Mutation Accounts for the Low Lipopolysaccharide Responder Phenotype of BALB/c B Cells. Journal of Immunology, 2013, 190, 195-204.	0.8	25
16	Fucosylation of chitooligosaccharides by human Â1,6-fucosyltransferase requires a nonreducing terminal chitotriose unit as a minimal structure. Glycobiology, 2010, 20, 1021-1033.	2.5	22
17	Multiple potential regulatory sites of TLR4 activation induced by LPS as revealed by novel inhibitory human TLR4 mAbs. International Immunology, 2012, 24, 495-506.	4.0	18
18	Measurement of peroxiredoxin-4 serum levels in rat tissue and its use as a potential marker for hepatic disease. Molecular Medicine Reports, 2012, 6, 379-384.	2.4	18

#	Article	IF	Citations
19	Bidirectional N-acetylglucosamine transfer mediated by Â-1,4-N-acetylglucosaminyltransferase III. Glycobiology, 2008, 19, 368-374.	2.5	15
20	Expression of N-terminally truncated forms of rat peroxiredoxin-4 in insect cells. Protein Expression and Purification, 2010, 72, 1-7.	1.3	12
21	Different consequences of reactions with hydrogen peroxide and t-butyl hydroperoxide in the hyperoxidative inactivation of rat peroxiredoxin-4. Journal of Biochemistry, 2011, 149, 443-453.	1.7	11
22	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
23	An enzymatic method of analysis for GDP-l-fucose in biological samples, involving high-performance liquid chromatography. Analytical Biochemistry, 2002, 310, 100-106.	2.4	10
24	Difucosylation of chitooligosaccharides by eukaryote and prokaryote Î±1,6-fucosyltransferases. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4482-4490.	2.4	10
25	Cloning, expression and characterization of Bombyx mori Î±1,6-fucosyltransferase. Biochemical and Biophysical Research Communications, 2014, 450, 953-960.	2.1	10
26	Clinicopathologic Application of Lectin Histochemistry. Applied Immunohistochemistry and Molecular Morphology, 2010, 18, 518-525.	1.2	7
27	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
28	A specific detection of GlcNAcÎ²1-6ManÎ±1 branches in N-linked glycoproteins based on the specificity of N-acetylglucosaminyltransferase VI. Glycobiology, 2006, 16, 431-439.	2.5	6
29	MD-2-dependent human Toll-like receptor 4 monoclonal antibodies detect extracellular association of Toll-like receptor 4 with extrinsic soluble MD-2 on the cell surface. Biochemical and Biophysical Research Communications, 2013, 440, 31-36.	2.1	5
30	Fucosyltransferase 8. GDP-Fucose N-Glycan Core Î±6-Fucosyltransferase (FUT8). , 2014, , 581-596.		5
31	Mannosyl (Beta-1,4-)-Glycoprotein Beta-1,4-N-Acetylglucosaminyltransferase (MGAT3); Î²1,4-N-Acetylglucosaminyltransferase III (GnT-III, GlcNAcT-III). , 2014, , 209-222.		5
32	Molecular cloning and functional expression of Lewis type Î±1,3/Î±1,4-fucosyltransferase cDNAs from Mangifera indica L.. Phytochemistry, 2017, 144, 98-105.	2.9	4
33	Control of Glycans by Enzyme Competitions. , 2015, , 1163-1171.		3
34	1Î±,25-Dihydroxyvitamin D3 enhances Î³-glutamyl transpeptidase activity in LLC-PK1 porcine kidney epithelial cells. Molecular Medicine Reports, 2014, 10, 2111-2115.	2.4	1
35	Characterization of MiFUT11 from Mangifera indica L.: A functional core Î±1,3-fucosyltransferase potentially involved in the biosynthesis of immunogenic carbohydrates in mango fruit. Phytochemistry, 2019, 165, 112050.	2.9	1
36	The Roles of the N-terminal Î±-helical and C-terminal Src Homology 3 Domains in the Enzymatic Functions of FUT8. Trends in Glycoscience and Glycotechnology, 2021, 33, J69-J73.	0.1	0

#	Article	IF	Citations
37	The Roles of the N-terminal Î±-helical and C-terminal Src Homology 3 Domains in the Enzymatic Functions of FUT8. Trends in Glycoscience and Glycotechnology, 2021, 33, E69-E73.	0.1	0
38	Control of Glycans by Enzyme Competitions. , 2014, , 1-8.		0