

Shunji Natsuka

List of Publications by Year in descending order

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59
papers

1,607
citations

279701

23
h-index

302012

39
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60
all docs

60
docs citations

60
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	EDEM3, a Soluble EDEM Homolog, Enhances Glycoprotein Endoplasmic Reticulum-associated Degradation and Mannose Trimming. <i>Journal of Biological Chemistry</i> , 2006, 281, 9650-9658.	1.6	218
2	Expression of the $\hat{1}\pm(1,3)$ Fucosyltransferase Fuc-TVII in Lymphoid Aggregate High Endothelial Venules Correlates with Expression of L-Selectin Ligands. <i>Journal of Biological Chemistry</i> , 1996, 271, 8250-8259.	1.6	122
3	Molecular Cloning, Expression, Chromosomal Assignment, and Tissue-specific Expression of a Murine $\hat{1}\pm(1,3)$ -Fucosyltransferase Locus Corresponding to the Human ELAM-1 Ligand Fucosyl Transferase. <i>Journal of Biological Chemistry</i> , 1995, 270, 25047-25056.	1.6	98
4	Identification method for twelve oligomannose-type sugar chains thought to be processing intermediates of glycoproteins. <i>Analytical Biochemistry</i> , 1987, 167, 321-326.	1.1	77
5	Enzymes involved in mammalian oligosaccharide biosynthesis. <i>Current Opinion in Structural Biology</i> , 1994, 4, 683-691.	2.6	71
6	Identification of an endo- \hat{N} -acetylglucosaminidase gene in <i>Caenorhabditis elegans</i> and its expression in <i>Escherichia coli</i> . <i>Glycobiology</i> , 2002, 12, 581-587.	1.3	66
7	Structural Analysis of N-Linked Glycans in <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2002, 131, 807-813.	0.9	61
8	A comparative study of monosaccharide composition analysis as a carbohydrate test for biopharmaceuticals. <i>Biologicals</i> , 2011, 39, 171-180.	0.5	57
9	Analysis of N- and O-Glycans by Pyridylamination. , 1998, 76, 101-114.		54
10	Fluorescence method for the structural analysis of oligomannose-type sugar chains by partial acetolysis. <i>Analytical Biochemistry</i> , 1987, 167, 154-159.	1.1	45
11	Involvement of murine $\hat{2}$ -1,4-galactosyltransferase V in lactosylceramide biosynthesis. <i>Glycoconjugate Journal</i> , 2010, 27, 685-695.	1.4	44
12	Augmentation of haptoglobin production in Hep3B cell line by a nuclear factor NF-IL6. <i>FEBS Letters</i> , 1991, 291, 58-62.	1.3	38
13	Novel Proteoglycan Linkage Tetrasaccharides of Human Urinary Soluble Thrombomodulin, SO4-3GlcA $\hat{1}$ 2 $\hat{1}$ 3Gal $\hat{1}$ 2 $\hat{1}$ 3(Sial $\hat{2}$ 6)Gal $\hat{1}$ 2 $\hat{1}$ 4Xyl. <i>Journal of Biological Chemistry</i> , 1999, 274, 5436-5442. ^{1.6}		36
14	CO-OVEREXPRESSION OF FOLDING MODULATORS IMPROVES THE SOLUBILITY OF THE RECOMBINANT GUINEA PIG LIVER TRANSGLUTAMINASE EXPRESSED IN <i>ESCHERICHIA COLI</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2002, 32, 189-205.	1.0	35
15	Structural analysis of \hat{N} -glycans of the planarian <i>Dugesia japonica</i> . <i>FEBS Journal</i> , 2011, 278, 452-460.	2.2	33
16	Quantitative LC-MS and MS/MS analysis of sialylated glycans modified by linkage-specific alkylamidation. <i>Analytical Biochemistry</i> , 2019, 567, 117-127.	1.1	32
17	Structural diversity of cytosolic free oligosaccharides in the human hepatoma cell line, HepG2. <i>Glycobiology</i> , 2006, 16, 294-304.	1.3	29
18	Presence of asparagine-linked N-acetylglucosamine and chitobiose in <i>Pyrus pyrifolia</i> S-RNases associated with gametophytic self-incompatibility. <i>FEBS Journal</i> , 1999, 263, 624-634.	0.2	28

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19	Regulation of Expression of the Interleukin 6 Gene: Structure and Function of the Transcription Factor NF- κ B. Novartis Foundation Symposium, 1992, 167, 47-67.	1.2	28
20	Structures and developmental alterations of N-glycans of zebrafish embryos. Glycobiology, 2017, 27, 228-245.	1.3	27
21	A Pyridylamination Method Aimed at Automatic Oligosaccharide Analysis of N-Linked Sugar Chains. Analytical Biochemistry, 1999, 274, 229-234.	1.1	26
22	Theoch1 Mutant of Schizosaccharomyces pombe Produces Galactosylated Core Structures of N-Linked Oligosaccharides. Bioscience, Biotechnology and Biochemistry, 2009, 73, 407-414.	0.6	26
23	Purification and Characterization of Neutral α -Mannosidase from Hen Oviduct: Studies on the Activation Mechanism of Co ²⁺ . Journal of Biochemistry, 1997, 122, 1174-1181.	0.9	23
24	Development-Dependent Expression of Complex-Type Sugar Chains Specific to Mouse Brain. Journal of Biochemistry, 1998, 123, 1164-1168.	0.9	23
25	Expression of complex-type N-glycans in developmental periods of zebrafish embryo. Glycoconjugate Journal, 2005, 22, 21-26.	1.4	22
26	Characterization of Wheat Germ Agglutinin Ligand on Soluble Glycoproteins in Caenorhabditis elegans. Journal of Biochemistry, 2005, 138, 209-213.	0.9	22
27	N-Glycosylation patterns of hemolymph glycoproteins from Biomphalaria glabrata strains expressing different susceptibility to Schistosoma mansoni infection. Experimental Parasitology, 2010, 126, 592-602.	0.5	22
28	Systematic Analysis of N-Linked Sugar Chains from Whole Tissue Employing Partial Automation. Analytical Biochemistry, 1999, 267, 336-343.	1.1	21
29	Free Oligosaccharides with Lewis x Structure Expressed in the Segmentation Period of Zebrafish Embryo. Journal of Biochemistry, 2007, 142, 213-227.	0.9	19
30	Improved Method for Drawing of a Glycan Map, and the First Page of Glycan Atlas, Which Is a Compilation of Glycan Maps for a Whole Organism. PLoS ONE, 2014, 9, e102219.	1.1	18
31	Method for Purification of Fluorescence-Labeled Oligosaccharides by Pyridylamination. Bioscience, Biotechnology and Biochemistry, 2002, 66, 1174-1175.	0.6	17
32	Structure determination of a sulfated N-glycans, candidate for a precursor of the selectin ligand in bovine lung. Glycoconjugate Journal, 2007, 24, 195-206.	1.4	17
33	Alteration of Brain Type N-Glycans in Neurological Mutant Mouse Brain. Journal of Biochemistry, 2005, 138, 277-283.	0.9	16
34	Partial Purification and Characterization of a Novel Endo- α -mannosidase Acting on N-Linked Sugar Chains from Lilium longiflorum Thumb. Journal of Biochemistry, 1999, 125, 363-367.	0.9	14
35	Co(II)-Regulated Substrate Specificity of Cytosolic α -Mannosidase. Journal of Biochemistry, 2002, 132, 253-256.	0.9	13
36	High Molecular Weight Transglutaminase Inhibitor Produced by a Microorganism (Streptomyces) Tj ETQq0 0 0 rgBTj/Overlock_10 Tf 50 6	0.6	11

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37	In vitro modification of betaine-homocysteine S-methyltransferase by tissue-type transglutaminase. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1981-1992.	1.2	10
38	Structures of Sugar Chains of a p-Nitrophenyl Acetate-Hydrolyzing Esterase from the Microsomes of Rat Liver1. <i>Journal of Biochemistry</i> , 1988, 103, 986-991.	0.9	9
39	Structural analysis of N-glycans in chicken trachea and lung reveals potential receptors of chicken influenza viruses. <i>Scientific Reports</i> , 2022, 12, 2081.	1.6	9
40	Comparative Biochemical Study of N-Linked Glycans from Skin of a Squid, <i>Todarodes pacificus</i> . <i>Journal of Biochemistry</i> , 2006, 140, 87-93.	0.9	8
41	Toward robust N-glycomics of various tissue samples that may contain glycans with unknown or unexpected structures. <i>Scientific Reports</i> , 2021, 11, 6334.	1.6	8
42	Gas-Phase Pyridylation of Saccharides: Development and Applications. <i>Analytical Chemistry</i> , 2007, 79, 2674-2679.	3.2	7
43	Analysis of Oligosaccharide Structures of Glycoproteins in Polyacrylamide Gel. <i>Analytical Biochemistry</i> , 2002, 303, 206-209.	1.1	6
44	Sequential modifications of glycans by linkage-specific alkylamidation of sialic acids and permethylation. <i>Analytical Biochemistry</i> , 2020, 606, 113861.	1.1	6
45	Increased levels of acidic free-N-glycans, including multi-antennary and fucosylated structures, in the urine of cancer patients. <i>PLoS ONE</i> , 2022, 17, e0266927.	1.1	6
46	Inhibition of Transglutaminase by Synthetic Tyrosine Melanin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1412-1414.	0.6	5
47	Structures of the Sugar Chains of Recombinant Macrophage Colony-Stimulating Factor Produced in Chinese Hamster Ovary Cells. <i>Journal of Biochemistry</i> , 1997, 122, 148-156.	0.9	4
48	A monoclonal antibody to cyclomaltoheptaose (beta-cyclodextrin): Characterization and use for immunoassay of beta-cyclodextrin and its derivatives. <i>Cytotechnology</i> , 2002, 40, 23-29.	0.7	4
49	One-Step Purification Method for Pyridylamino Glycans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1982-1983.	0.6	4
50	Characterisation of N-glycans in the epithelial-like tissue of the rat cochlea. <i>Scientific Reports</i> , 2019, 9, 1551.	1.6	4
51	Comparative Biochemical View of N-Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2005, 17, 229-236.	0.0	3
52	A Convenient Purification Method for Pyridylamino Monosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1405-1407.	0.6	2
53	Preparation of a Molecular Library of Branched β -Glucan Oligosaccharides Derived from Laminarin. <i>Journal of Applied Glycoscience</i> (1999), 2018, 65, 45-49.	0.3	2
54	β -GALACTOSIDASES FROM JACK BEAN AND STREPTOCOCCUS HAVE DIFFERENT CLEAVING ABILITIES TOWARDS FUCOSE-CONTAINING SUGARS. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 567-569.	0.6	1

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55	Determination of galactosamine impurities in heparin sodium using fluorescent labeling and conventional high-performance liquid chromatography. <i>Biologicals</i> , 2013, 41, 355-363.	0.5	0
56	Analysis of glycan expression by fluorescence labeling method.. <i>Seibutsu Butsuri Kagaku</i> , 2002, 46, 35-38.	0.1	0
57	Preface for a Special Issue Entitled "Chemical Biology of Glycans": Trends in Glycoscience and Glycotechnology, 2005, 17, 191-192.	0.0	0
58	A Seeker of the Meaning in Glycan Microheterogeneity. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SJ36-SJ37.	0.0	0
59	A Seeker of the Meaning in Glycan Microheterogeneity. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SE36-SE37.	0.0	0