

Shunji Natsuka

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,607
citations

279701

23
h-index

302012

39
g-index

60
all docs

60
docs citations

60
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Sequential modifications of glycans by linkage-specific alkylamidation of sialic acids and permethylation. <i>Analytical Biochemistry</i> , 2020, 606, 113861.	1.1	6
5	Characterisation of N-glycans in the epithelial-like tissue of the rat cochlea. <i>Scientific Reports</i> , 2019, 9, 1551.	1.6	4
6	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
7	A Seeker of the Meaning in Glycan Microheterogeneity. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SJ36-SJ37.	0.0	0
8	A Seeker of the Meaning in Glycan Microheterogeneity. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SE36-SE37.	0.0	0
9	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
10	Structures and developmental alterations of N-glycans of zebrafish embryos. <i>Glycobiology</i> , 2017, 27, 228-245.	1.3	27
11	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. <i>PLoS ONE</i> , 2014, 9, e102219.	1.1	18
12	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
13	One-Step Purification Method for Pyridylamino Glycans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1982-1983.	0.6	4
14	β -Galactosidases from Jack Bean and <i>Streptococcus</i> Have Different Cleaving Abilities towards Fucose-Containing Sugars. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 567-569.	0.6	1
15	Structural analysis of N-glycans of the planarian <i>Dugesia japonica</i> . <i>FEBS Journal</i> , 2011, 278, 452-460.	2.2	33
16	A comparative study of monosaccharide composition analysis as a carbohydrate test for biopharmaceuticals. <i>Biologicals</i> , 2011, 39, 171-180.	0.5	57
17	A Convenient Purification Method for Pyridylamino Monosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1405-1407.	0.6	2
18	Involvement of murine β -1,4-galactosyltransferase V in lactosylceramide biosynthesis. <i>Glycoconjugate Journal</i> , 2010, 27, 685-695.	1.4	44

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19	N-Glycosylation patterns of hemolymph glycoproteins from <i>Biomphalaria glabrata</i> strains expressing different susceptibility to <i>Schistosoma mansoni</i> infection. <i>Experimental Parasitology</i> , 2010, 126, 592-602.	0.5	22
20	Theoch1 Mutant of <i>Schizosaccharomyces pombe</i> Produces Galactosylated Core Structures of N-Linked Oligosaccharides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 407-414.	0.6	26
21	Free Oligosaccharides with Lewis x Structure Expressed in the Segmentation Period of Zebrafish Embryo. <i>Journal of Biochemistry</i> , 2007, 142, 213-227.	0.9	19
22	Gas-Phase Pyridylamination of Saccharides: Development and Applications. <i>Analytical Chemistry</i> , 2007, 79, 2674-2679.	3.2	7
23	Structure determination of a sulfated N-glycans, candidate for a precursor of the selectin ligand in bovine lung. <i>Glycoconjugate Journal</i> , 2007, 24, 195-206.	1.4	17
24	Structural diversity of cytosolic free oligosaccharides in the human hepatoma cell line, HepG2. <i>Glycobiology</i> , 2006, 16, 294-304.	1.3	29
25	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
26	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
27	Expression of complex-type N-glycans in developmental periods of zebrafish embryo. <i>Glycoconjugate Journal</i> , 2005, 22, 21-26.	1.4	22
28	Characterization of Wheat Germ Agglutinin Ligand on Soluble Glycoproteins in <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2005, 138, 209-213.	0.9	22
29	Alteration of Brain Type N-Glycans in Neurological Mutant Mouse Brain. <i>Journal of Biochemistry</i> , 2005, 138, 277-283.	0.9	16
30	Comparative Biochemical View of N-Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2005, 17, 229-236.	0.0	3
31	Preface for a Special Issue Entitled "Chemical Biology of Glycans". <i>Trends in Glycoscience and Glycotechnology</i> , 2005, 17, 191-192.	0.0	0
32	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
33	Inhibition of Transglutaminase by Synthetic Tyrosine Melanin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1412-1414.	0.6	5
34	Identification of an endo-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
35	Structural Analysis of N-Linked Glycans in <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2002, 131, 807-813.	0.9	61
36	Co(II)-Regulated Substrate Specificity of Cytosolic α -Mannosidase. <i>Journal of Biochemistry</i> , 2002, 132, 253-256.	0.9	13

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37	Method for Purification of Fluorescence-Labeled Oligosaccharides by Pyridylation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1174-1175.	0.6	17
38	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
39	Analysis of Oligosaccharide Structures of Glycoproteins in Polyacrylamide Gel. <i>Analytical Biochemistry</i> , 2002, 303, 206-209.	1.1	6
40	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
41	Analysis of glycan expression by fluorescence labeling method. <i>Seibutsu Butsuri Kagaku</i> , 2002, 46, 35-38.	0.1	0
42	High Molecular Weight Transglutaminase Inhibitor Produced by a Microorganism (<i>Streptomyces</i>) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 5	0.6	11
43	Partial Purification and Characterization of a Novel Endo- α -mannosidase Acting on N-Linked Sugar Chains from <i>Lilium longiflorum</i> Thumb. <i>Journal of Biochemistry</i> , 1999, 125, 363-367.	0.9	14
44	Novel Proteoglycan Linkage Tetrasaccharides of Human Urinary Soluble Thrombomodulin, SO ₄ -3GlcA β 1 \rightarrow 3Gal β 1 \rightarrow 3(α -Sial β 2 \rightarrow 6)Gal β 1 \rightarrow 4Xyl. <i>Journal of Biological Chemistry</i> , 1999, 274, 5436-5442.	1.6	36
45	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
46	Systematic Analysis of N-Linked Sugar Chains from Whole Tissue Employing Partial Automation. <i>Analytical Biochemistry</i> , 1999, 267, 336-343.	1.1	21
47	A Pyridylation Method Aimed at Automatic Oligosaccharide Analysis of N-Linked Sugar Chains. <i>Analytical Biochemistry</i> , 1999, 274, 229-234.	1.1	26
48	Analysis of N- and O-Glycans by Pyridylation. , 1998, 76, 101-114.		54
49	Development-Dependent Expression of Complex-Type Sugar Chains Specific to Mouse Brain. <i>Journal of Biochemistry</i> , 1998, 123, 1164-1168.	0.9	23
50	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
51	Purification and Characterization of Neutral α -Mannosidase from Hen Oviduct: Studies on the Activation Mechanism of Co ²⁺ . <i>Journal of Biochemistry</i> , 1997, 122, 1174-1181.	0.9	23
52	Expression of the α -(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
53	Molecular Cloning, Expression, Chromosomal Assignment, and Tissue-specific Expression of a Murine α -(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
54	Enzymes involved in mammalian oligosaccharide biosynthesis. <i>Current Opinion in Structural Biology</i> , 1994, 4, 683-691.	2.6	71

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55	Regulation of Expression of the Interleukin 6 Gene: Structure and Function of the Transcription Factor NF-IL6. Novartis Foundation Symposium, 1992, 167, 47-67.	1.2	28
56	Augmentation of haptoglobin production in Hep3B cell line by a nuclear factor NF-IL6. FEBS Letters, 1991, 291, 58-62.	1.3	38
57	Structures of Sugar Chains of a p-Nitrophenyl Acetate-Hydrolyzing Esterase from the Microsomes of Rat Liver1. Journal of Biochemistry, 1988, 103, 986-991.	0.9	9
58	Fluorescence method for the structural analysis of oligomannose-type sugar chains by partial acetolysis. Analytical Biochemistry, 1987, 167, 154-159.	1.1	45
59	Identification method for twelve oligomannose-type sugar chains thought to be processing intermediates of glycoproteins. Analytical Biochemistry, 1987, 167, 321-326.	1.1	77