Yoshinao Wada

List of Publications by Year
in descending order

87	3,399	172457	144013
papers	citations	29 h-index	57 g-index

88	88	88	3579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Hydrophilic Affinity Isolation and MALDI Multiple-Stage Tandem Mass Spectrometry of Glycopeptides for Glycoproteomics. Analytical Chemistry, 2004, 76, 6560-6565.	6.5	317
3	Multiple Phenotypes in Phosphoglucomutase 1 Deficiency. New England Journal of Medicine, 2014, 370, 533-542.	27.0	236
4	Derivatization for Stabilizing Sialic Acids in MALDI-MS. Analytical Chemistry, 2005, 77, 4962-4968.	6.5	165
5	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	3.8	136
6	Structure of serum transferrin in carbohydrate-deficient glycoprotein syndrome. Biochemical and Biophysical Research Communications, 1992, 189, 832-836.	2.1	130
7	Differential analysis of site-specific glycans on plasma and cellular fibronectins: application of a hydrophilic affinity method for glycopeptide enrichment. Glycobiology, 2005, 15, 1332-1340.	2.5	125
8	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
9	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	3.8	103
10	Requirements for Laser-Induced Desorption/Ionization on Submicrometer Structures. Analytical Chemistry, 2005, 77, 5364-5369.	6.5	95
11	Oligosaccharide Profiles of the Prostate Specific Antigen in Free and Complexed Forms from the Prostate Cancer Patient Serum and in Seminal Plasma: a Glycopeptide Approach. Glycobiology, 2008, 18, 2-8.	2.5	95
12	De Novo Mutations inSLC35A2Encoding a UDP-Galactose Transporter Cause Early-Onset Epileptic Encephalopathy. Human Mutation, 2013, 34, 1708-1714.	2.5	85
13	Calponin 3 Regulates Actin Cytoskeleton Rearrangement in Trophoblastic Cell Fusion. Molecular Biology of the Cell, 2010, 21, 3973-3984.	2.1	70
14	Quantitation of Saccharide Compositions of O-glycans by Mass Spectrometry of Glycopeptides and Its Application to Rheumatoid Arthritis. Journal of Proteome Research, 2010, 9, 1367-1373.	3.7	66
15	Structure elucidation of hemoglobin variants and other proteins by digit-printing method. Mass Spectrometry Reviews, 1989, 8, 379-434.	5.4	62
16	Structural analysis of human hemoglobin variants with field desorption mass spectrometry. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1981, 667, 233-241.	1.7	60
17	Ordered Porous Alumina Geometries and Surface Metals for Surface-Assisted Laser Desorption/Ionization of Biomolecules:Â Possible Mechanistic Implications of Metal Surface Melting. Analytical Chemistry, 2007, 79, 9122-9127.	6.5	59
18	cDNA cloning, genomic cloning, and tissue-specific regulation of mouse cerebroside sulfotransferase. FEBS Journal, 2000, 267, 1909-1917.	0.2	58

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19	The Absence of Core Fucose Up-regulates GnT-III and Wnt Target Genes. Journal of Biological Chemistry, 2014, 289, 11704-11714.	3.4	50
20	Diagnosis of carbohydrate-deficient glycoprotein syndrome by matrix-assisted laser desorption time-of-flight mass spectrometry. Biological Mass Spectrometry, 1994, 23, 108-109.	0.5	49
21	Mass spectrometry for congenital disorders of glycosylation, CDG. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 838, 3-8.	2.3	49
22	Calponin 3 regulates stress fiber formation in dermal fibroblasts during wound healing. Archives of Dermatological Research, 2013, 305, 571-584.	1.9	48
23	Reduction of organic dyes in matrix-assisted laser desorption/ionization and desorption/ionization on porous silicon. Rapid Communications in Mass Spectrometry, 2004, 18, 2811-2817.	1.5	44
24	Electrospray ionization mass spectra of hemoglobin and transferrin by a magnetic sector mass spectrometer. Comparison with theoretical isotopic distributions. Rapid Communications in Mass Spectrometry, 1992, 6, 9-13.	1.5	40
25	Antibody to annexin V has anti-phospholipid and lupus anticoagulant properties. American Journal of Hematology, 1995, 49, 347-348.	4.1	40
26	Mass spectrometry of apolipoprotein C-III, a simple analytical method for mucin-type O-glycosylation and its application to an autosomal recessive cutis laxa type-2 (ARCL2) patient. Glycobiology, 2012, 22, 1140-1144.	2.5	38
27	Limitations of galactose therapy in phosphoglucomutase 1 deficiency. Molecular Genetics and Metabolism Reports, 2017, 13, 33-40.	1.1	34
28	Quantitative analysis of polypropyleneglycol mixtures by desorption/ionization on porous silicon mass spectrometry. International Journal of Mass Spectrometry, 2005, 241, 43-48.	1.5	33
29	Advanced analytical methods for hemoglobin variants. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 781, 291-301.	2.3	32
30	Rock-dependent calponin 3 phosphorylation regulates myoblast fusion. Experimental Cell Research, 2013, 319, 633-648.	2.6	30
31	Transferrin variants: Pitfalls in the diagnostics of Congenital disorders of glycosylation. Clinical Biochemistry, 2015, 48, 11-13.	1.9	30
32	Transferrin mutations at the glycosylation site complicate diagnosis of congenital disorders of glycosylation type I. Journal of Inherited Metabolic Disease, 2011, 34, 901-906.	3.6	29
33	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. Glycoconjugate Journal, 2016, 33, 405-415.	2.7	25
34	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
35	O-Glycosylated IgA Rheumatoid Factor Induces IgA Deposits and Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2012, 23, 438-446.	6.1	23
36	Deficiency of N-acetylgalactosamine in O-linked oligosaccharides of IgA is a novel biologic marker for CrohnÊ¼s disease. Inflammatory Bowel Diseases, 2012, 18, 1723-1734.	1.9	22

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37	Suppression of Heregulin Î² Signaling by the Single N-Glycan Deletion Mutant of Soluble ErbB3 Protein. Journal of Biological Chemistry, 2013, 288, 32910-32921.	3.4	22
38	Fast atom bombardment and tandem mass spectrometry for the characterization of hemoglobin variants including a new variant. International Journal of Mass Spectrometry and Ion Processes, 1992, 122, 219-229.	1.8	21
39	Dissociation Profile of Protonated Fucosyl Glycopeptides and Quantitation of Fucosylation Levels of Glycoproteins by Mass Spectrometry. Journal of Proteome Research, 2009, 8, 688-693.	3.7	21
40	Distinct Features of Matrix-Assisted 6 Î¼m Infrared Laser Desorption/Ionization Mass Spectrometry in Biomolecular Analysis. Analytical Chemistry, 2009, 81, 6750-6755.	6.5	19
41	Quantitative change of IgA hinge O-glycan composition is a novel marker of therapeutic responses of IgA nephropathy. Biochemical and Biophysical Research Communications, 2012, 428, 339-342.	2.1	19
42	Mass spectrometry of transferrin and apolipoprotein C-III for diagnosis and screening of congenital disorder of glycosylation. Glycoconjugate Journal, 2016, 33, 297-307.	2.7	18
43	NUS1 mutation in a family with epilepsy, cerebellar ataxia, and tremor. Epilepsy Research, 2020, 164, 106371.	1.6	18
44	Mass spectrometry of transferrin glycoforms to detect congenital disorders of glycosylation: Siteâ€specific profiles and pitfalls. Proteomics, 2016, 16, 3105-3110.	2.2	17
45	Cancer-associated alternative usage of multiple promoters of human GalCer sulfotransferase gene. FEBS Journal, 2000, 267, 2672-2679.	0.2	14
46	Determination of unique amino acid substitutions in protein variants by peptide mass mapping with FT-ICR MS. Journal of the American Society for Mass Spectrometry, 2006, 17, 508-513.	2.8	14
47	Mass Spectrometry in the Detection and Diagnosis of Congenital Disorders of Glycosylation. European Journal of Mass Spectrometry, 2007, 13, 101-103.	1.0	13
48	Evaluation of IgA1 O-glycosylation in Henoch-SchÃ¶nlein Purpura Nephritis Using Mass Spectrometry. Transplantation Proceedings, 2019, 51, 1481-1487.	0.6	13
49	It Is Not Always Alcohol Abuseâ€”A Transferrin Variant Impairing the CDT Test. Alcohol and Alcoholism, 2016, 51, 148-153.	1.6	12
50	Enantioselective Collision-Activated Dissociation of Gas-Phase Tryptophan Induced by Chiral Recognition of Protonated l-Alanine Peptides. Origins of Life and Evolution of Biospheres, 2017, 47, 161-167.	1.9	11
51	L-Fucose treatment of FUT8-CDG. Molecular Genetics and Metabolism Reports, 2020, 25, 100680.	1.1	11
52	The novel transferrin E592A variant impairs the diagnostics of congenital disorders of glycosylation. Clinica Chimica Acta, 2014, 436, 135-139.	1.1	10
53	Infrared matrix-assisted laser desorption/ionization mass spectrometry for quantification of glycosaminoglycans and gangliosides. International Journal of Mass Spectrometry, 2011, 305, 164-169.	1.5	9
54	Glycan Profiling: Label-Free Analysis of Glycoproteins. Methods in Molecular Biology, 2013, 951, 245-253.	0.9	9

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55	Anti-Ro52 antibody level is an important marker of fetal congenital heart block risk in anti-Ro/SSA antibody positive pregnancy. Modern Rheumatology, 2018, 28, 690-696.	1.8	9
56	Regulation of Vimentin Expression and Protease-mediated Vimentin Degradation during Differentiation of Human Monocytic Leukemia Cells. Japanese Journal of Cancer Research, 1997, 88, 484-491.	1.7	8
57	Measurement of serum salicylate levels by solid-phase extraction and desorption/ionization on silicon mass spectrometry. Journal of Mass Spectrometry, 2005, 40, 1000-1004.	1.6	8
58	Evaluation of serum carbohydrate-deficient transferrin by HPLC and MALDI-TOF MS. Clinica Chimica Acta, 2015, 448, 8-12.	1.1	8
59	Disruption of the Responsible Gene in a Phosphoglucomutase 1 Deficiency Patient by Homozygous Chromosomal Inversion. JIMD Reports, 2018, 43, 85-90.	1.5	8
60	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry to Detect Diagnostic Glycopeptide Markers of Congenital Disorders of Glycosylation. Mass Spectrometry, 2020, 9, A0084-A0084.	0.6	7
61	Mass Spectrometric Analysis of Synthetic Polymers Using Desorption/Ionization on Porous Silicon (DIOS)-Optimal Etching Conditons for DIOS Chips-. Journal of the Mass Spectrometry Society of Japan, 2004, 52, 142-148.	0.1	7
62	Chiral and Molecular Recognition through Protonation between Aromatic Amino Acids and Tripeptides Probed by Collision-Activated Dissociation in the Gas Phase. Molecules, 2018, 23, 162.	3.8	6
63	Congenital disorders of glycosylation type IIb with MOGS mutations cause early infantile epileptic encephalopathy, dysmorphic features, and hepatic dysfunction. Brain and Development, 2021, 43, 402-410.	1.1	6
64	Congenital disorder of glycosylation type Ic: Report of a Japanese case. Brain and Development, 2013, 35, 586-589.	1.1	5
65	Siblings with MAN1B1-CDG Showing Novel Biochemical Profiles. Cells, 2021, 10, 3117.	4.1	5
66	Decreased sialylation of <scp>IgA1</scp>â€…<i><scp>O</scp></i>â€glycans associated with pneumococcal hemolytic uremic syndrome. Pediatrics International, 2013, 55, e143-5.	0.5	4
67	O-Linked Glycosylation Determines the Nephritogenic Potential of IgA Rheumatoid Factor. Journal of the American Society of Nephrology: JASN, 2014, 25, 1282-1290.	6.1	4
68	Apolipoprotein Câ€III O â€glycoform profiling of 500 serum samples by matrixâ€assisted laser desorption/ionization mass spectrometry for diagnosis of congenital disorders of glycosylation. Journal of Mass Spectrometry, 2021, 56, e4597.	1.6	4
69	Primary ovarian insufficiency in a female with phosphomannomutase-2 gene (<i>PMM2</i>) mutations for congenital disorder of glycosylation. Endocrine Journal, 2021, 68, 605-611.	1.6	4
70	åž‹ç³–éŽ–ä»˜åŠéƒ¨ä½ã®æ±ºå®šï¼šãƒãƒãƒ³åž‹ç³–ã‚¿ãƒ³ãƒ'ã‚¯è³ªã®ã‚¢ãƒ—ãƒãƒ¼ãƒ Trends in Glycoscience and Glycotechnology, 2	0.1	4
71	Label-Free Analysis of O-glycosylation Site-Occupancy Based on the Signal Intensity of Glycopeptide/Peptide Ions. Mass Spectrometry, 2012, 1, A0008-A0008.	0.6	3
72	Translational balancing questioned: Unaltered glycosylation during disulfiram treatment in mannosylâ€oligosaccharide alphaâ€1,2â€mannnosidase<scp>â€</scp>congenital disorders of glycosylation (MAN1B1â€CDG). JIMD Reports, 2021, 60, 42-55.	1.5	3

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73	Electrospray Ionization Mass Spectrometry of Transferrin: Use of Quadrupole Mass Analyzers for Congenital Disorders of Glycosylation. Mass Spectrometry, 2022, 11, A0103-A0103.	0.6	3
74	Molecular Diagnosis of Congenital Disorders of Glycosylation. , 2008, , 319-322.		2
75	Congenital nephrotic syndrome with dysmorphic features and death in early infancy: Answers. Pediatric Nephrology, 2016, 31, 1283-1286.	1.7	2
76	Mass Spectrometry of Glycopeptides. , 2008, , 98-99.		2
77	Electrospray Ionization Mass Spectrometry of Apolipoprotein CIII to Evaluate <i>O</i>-glycan Site Occupancy and Sialylation in Congenital Disorders of Glycosylation. Mass Spectrometry, 2022, 11, A0104-A0104.	0.6	2
78	Detection and Characterization of Protein Mutations by Mass Spectrometry. , 2002, , 681-692.		1
79	Congenital nephrotic syndrome with dysmorphic features and death in early infancy: Questions. Pediatric Nephrology, 2016, 31, 1281-1281.	1.7	1
80	Novel ALG12 variants and hydronephrosis in siblings with impaired N-glycosylation. Brain and Development, 2021, 43, 945-951.	1.1	1
81	Congenital Disorders of Glycosylation, Analytical Aspects. , 2015, , 119-128.		1
82	Tackling Difficulties in the Determination of O-Glycosylation Sites: Approaches to Mucin-type Glycoproteins. Trends in Glycoscience and Glycotechnology, 2008, 20, 173.	0.1	1
83	Glycomics and glycoproteomics.. Seibutsu Butsuri Kagaku, 2006, 50, 37-40.	0.1	0
84	Mass Spectrometry of Molecular Disease: Development of ^|^Delta;m Diagnostics, Recollection. Journal of the Mass Spectrometry Society of Japan, 2013, 61, 35-41.	0.1	0
85	Congenital Disorders of Glycosylation: Analytical Aspects. , 2014, , 1-9.		0
86	Congenital Disorders of Glycosylation (CDG), Neuromuscular Related Diseases. , 2019, , 289-295.		0
87	Technical aspects of gel-based proteomics designed for elucidating an aryl hydrocarbon receptor complex. Environmental Sciences: an International Journal of Environmental Physiology and Toxicology, 2004, 11, 25-31.	0.1	0