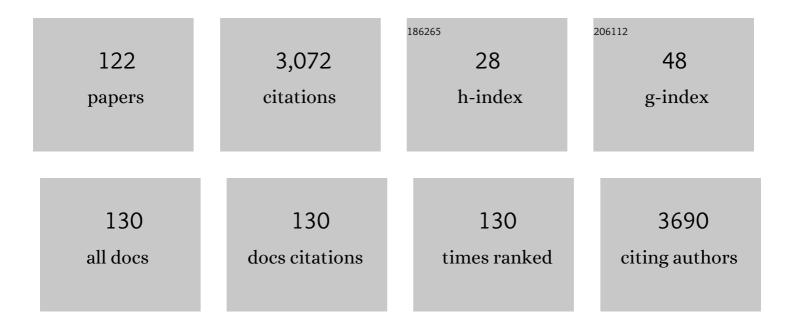
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Structural basis for improved efficacy of therapeutic antibodies on defucosylation of their Fc glycans. Genes To Cells, 2011, 16, 1071-1080.	1.2	213
2	Glycoform-dependent conformational alteration of the Fc region of human immunoglobulin G1 as revealed by NMR spectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 693-700.	2.4	180
3	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	3.8	136
4	Edible bird's nest extract inhibits influenza virus infection. Antiviral Research, 2006, 70, 140-146.	4.1	130
5	IgEb immune complexes activate macrophages through FcγRIV binding. Nature Immunology, 2007, 8, 762-771.	14.5	106
6	The quail and chicken intestine have sialyl-galactose sugar chains responsible for the binding of influenza A viruses to human type receptors. Glycobiology, 2007, 17, 713-724.	2.5	88
7	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. Molecular and Cellular Proteomics, 2020, 19, 11-30.	3.8	87
8	O-GlcNAc on NOTCH1 EGF repeats regulates ligand-induced Notch signaling and vascular development in mammals. ELife, 2017, 6, .	6.0	82
9	Development of structural analysis of sulfated N-glycans by multidimensional high performance liquid chromatography mapping methods. Glycobiology, 2005, 15, 1051-1060.	2.5	64
10	HNK-1 Epitope-carrying Tenascin-C Spliced Variant Regulates the Proliferation of Mouse Embryonic Neural Stem Cells. Journal of Biological Chemistry, 2010, 285, 37293-37301.	3.4	58
11	Conformational effects of N-glycan core fucosylation of immunoglobulin G Fc region on its interaction with Fcl³ receptor Illa. Scientific Reports, 2017, 7, 13780.	3.3	57
12	Lewis X-carrying N-Glycans Regulate the Proliferation of Mouse Embryonic Neural Stem Cells via the Notch Signaling Pathway. Journal of Biological Chemistry, 2012, 287, 24356-24364.	3.4	54
13	A nonâ€eanonical UBA–UBL interaction forms the linearâ€ubiquitinâ€chain assembly complex. EMBO Reports, 2012, 13, 462-468.	4.5	52
14	N-Glycans from Porcine Trachea and Lung: Predominant NeuAcα2-6Gal Could Be a Selective Pressure for Influenza Variants in Favor of Human-Type Receptor. PLoS ONE, 2011, 6, e16302.	2.5	50
15	The expression of sialylated high-antennary N-glycans in edible bird's nest. Carbohydrate Research, 2008, 343, 1373-1377.	2.3	47
16	Analysis of N-glycans in embryonated chicken egg chorioallantoic and amniotic cells responsible for binding and adaptation of human and avian influenza viruses. Glycoconjugate Journal, 2009, 26, 433-443.	2.7	44
17	Alterations in receptor-binding properties of swine influenza viruses of the H1 subtype after isolation in embryonated chicken eggs. Journal of General Virology, 2010, 91, 938-948.	2.9	43
18	Structural and Molecular Basis of Carbohydrate-Protein Interaction Systems as Potential Therapeutic Targets. Current Pharmaceutical Design, 2011, 17, 1672-1684.	1.9	43

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19	Nrf2 activation attenuates genetic endoplasmic reticulum stress induced by a mutation in the phosphomannomutase 2 gene in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2758-2763.	7.1	43
20	Crystal structures of human secretory proteins ZG16p and ZG16b reveal a Jacalin-related β-prism fold. Biochemical and Biophysical Research Communications, 2011, 404, 201-205.	2.1	42
21	Backbone 1H, 13C, and 15N resonance assignments of the Fc fragment of human immunoglobulin G glycoprotein. Biomolecular NMR Assignments, 2015, 9, 257-260.	0.8	38
22	Stable isotope labeling approaches for NMR characterization of glycoproteins using eukaryotic expression systems. Journal of Biomolecular NMR, 2018, 71, 193-202.	2.8	38
23	Impaired O-Linked N-Acetylglucosaminylation in the Endoplasmic Reticulum by Mutated Epidermal Growth Factor (EGF) Domain-specific O-Linked N-Acetylglucosamine Transferase Found in Adams-Oliver Syndrome. Journal of Biological Chemistry, 2015, 290, 2137-2149.	3.4	35
24	The Fab portion of immunoglobulin G contributes to its binding to FcÎ <sup>3</sup> receptor III. Scientific Reports, 2019, 9, 11957.	3.3	35
25	Interaction of N-linked glycans, having multivalent GlcNAc termini, with GM3 ganglioside. Glycoconjugate Journal, 2006, 23, 639-649.	2.7	33
26	AGO61-dependent GlcNAc modification primes the formation of functional glycans on α-dystroglycan. Scientific Reports, 2013, 3, 3288.	3.3	32
27	<i>N</i> â€glycan structures of human alveoli provide insight into influenza A virus infection and pathogenesis. FEBS Journal, 2018, 285, 1611-1634.	4.7	31
28	EDEM2 stably disulfide-bonded to TXNDC11 catalyzes the first mannose trimming step in mammalian glycoprotein ERAD. ELife, 2020, 9, .	6.0	31
29	Comparison of the N-linked glycosylation of human β1,3-N-acetylglucosaminyltransferase 2 expressed in insect cells and silkworm larvae. Journal of Biotechnology, 2009, 143, 27-33.	3.8	29
30	Involvement of β1-Integrin Up-regulation in Basic Fibroblast Growth Factor- and Epidermal Growth Factor-induced Proliferation of Mouse Neuroepithelial Cells. Journal of Biological Chemistry, 2010, 285, 18443-18451.	3.4	29
31	Glycomic Analyses of Glycoproteins in Bile and Serum during Rat Hepatocarcinogenesis. Journal of Proteome Research, 2010, 9, 4888-4896.	3.7	29
32	Dynamic Views of the Fc Region of Immunoglobulin G Provided by Experimental and Computational Observations. Antibodies, 2019, 8, 39.	2.5	29
33	Structure of the putative 32 kDa myrosinaseâ€binding protein from <i>Arabidopsis</i> (At3g16450.1) determined by SAILâ€NMR. FEBS Journal, 2008, 275, 5873-5884.	4.7	28
34	Human IgG1 expression in silkworm larval hemolymph using BmNPV bacmids and its N-linked glycan structure. Journal of Biotechnology, 2009, 139, 108-114.	3.8	26
35	Conformational Analysis of a Highâ€Mannoseâ€Type Oligosaccharide Displaying Glucosyl Determinant Recognised by Molecular Chaperones Using NMRâ€Validated Molecular Dynamics Simulation. ChemBioChem, 2017, 18, 396-401.	2.6	26
36	Pba3–Pba4 heterodimer acts as a molecular matchmaker in proteasome α-ring formation. Biochemical and Biophysical Research Communications, 2014, 450, 1110-1114.	2.1	25

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37	Importance of the Side Chain at Position 296 of Antibody Fc in Interactions with FcγRIIIa and Other Fcγ Receptors. PLoS ONE, 2015, 10, e0140120.	2.5	25
38	Direct Mapping of Additional Modifications on Phosphorylated O-glycans of α-Dystroglycan by Mass Spectrometry Analysis in Conjunction with Knocking Out of Causative Genes for Dystroglycanopathy. Molecular and Cellular Proteomics, 2016, 15, 3424-3434.	3.8	25
39	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. Glycoconjugate Journal, 2016, 33, 405-415.	2.7	25
40	Lysosome-associated membrane protein 1 is a major SSEA-1-carrier protein in mouse neural stem cells. Glycobiology, 2010, 20, 976-981.	2.5	24
41	Spatial arrangement and functional role of α subunits of proteasome activator PA28 in hetero-oligomeric form. Biochemical and Biophysical Research Communications, 2013, 432, 141-145.	2.1	24
42	Structural characterization of the circadian clock protein complex composed of KaiB and KaiC by inverse contrast-matching small-angle neutron scattering. Scientific Reports, 2016, 6, 35567.	3.3	24
43	Distinct substrate specificities of human GlcNAc-6-sulfotransferases revealed by mass spectrometry–based sulfoglycomic analysis. Journal of Biological Chemistry, 2018, 293, 15163-15177.	3.4	24
44	Structural Basis for Proteasome Formation Controlled by an Assembly Chaperone Nas2. Structure, 2014, 22, 731-743.	3.3	23
45	Disassembly of the self-assembled, double-ring structure of proteasome α7 homo-tetradecamer by α6. Scientific Reports, 2015, 5, 18167.	3.3	23
46	3D structural analysis of protein <i>O</i> â€mannosyl kinase, <scp>POMK</scp> , a causative gene product of dystroglycanopathy. Genes To Cells, 2017, 22, 348-359.	1.2	23
47	Site-specific N-glycosylation analysis of soluble FcÎ <sup>3</sup> receptor IIIb in human serum. Scientific Reports, 2018, 8, 2719.	3.3	21
48	Temperature-dependent isologous Fab–Fab interaction that mediates cryocrystallization of a monoclonal immunoglobulin G. Molecular Immunology, 2004, 41, 1211-1215.	2.2	20
49	Câ€ŧerminal regionâ€dependent change of antibodyâ€binding to the Eighth Reelin repeat reflects the signaling activity of Reelin. Journal of Neuroscience Research, 2009, 87, 3043-3053.	2.9	20
50	Kinetic Asymmetry of Subunit Exchange of Homooligomeric Protein as Revealed by Deuteration-Assisted Small-Angle Neutron Scattering. Biophysical Journal, 2011, 101, 2037-2042.	0.5	20
51	Generation of the heterogeneity of extracellular vesicles by membrane organization and sorting machineries. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 681-691.	2.4	20
52	NMR characterization of intramolecular interaction of osteopontin, an intrinsically disordered protein with cryptic integrin-binding motifs. Biochemical and Biophysical Research Communications, 2010, 393, 487-491.	2.1	19
53	An Archaeal Homolog of Proteasome Assembly Factor Functions as a Proteasome Activator. PLoS ONE, 2013, 8, e60294.	2.5	19
54	N-Glycan Modification of a Recombinant Protein via Coexpression of Human Glycosyltransferases in Silkworm Pupae. Scientific Reports, 2017, 7, 1409.	3.3	19

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55	Conformational characterization of a protein complex involving intrinsically disordered protein by small-angle neutron scattering using the inverse contrast matching method: a case study of interaction between î±-synuclein and PbaB tetramer as a model chaperone. Journal of Applied Crystallography. 2014, 47, 430-435.	4.5	18
56	Ectopic clustering of Cajal–Retzius and subplate cells is an initial pathological feature in Pomgnt2-knockout mice, a model of dystroglycanopathy. Scientific Reports, 2015, 5, 11163.	3.3	18
57	GlcNAc6ST3 is a keratan sulfate sulfotransferase for the protein-tyrosine phosphatase PTPRZ in the adult brain. Scientific Reports, 2019, 9, 4387.	3.3	18
58	Cooperative Binding of KaiB to the KaiC Hexamer Ensures Accurate Circadian Clock Oscillation in Cyanobacteria. International Journal of Molecular Sciences, 2019, 20, 4550.	4.1	18
59	Neural complex-specific expression of xylosyl N-glycan in Ciona intestinalis. Glycobiology, 2007, 18, 145-151.	2.5	17
60	Synthesis of sialoglycopolypeptide for potentially blocking influenza virus infection using a rat α2,6-sialyltransferase expressed in BmNPV bacmid-injected silkworm larvae. BMC Biotechnology, 2009, 9, 54.	3.3	17
61	Backbone 1H, 13C, and 15N assignments of yeast Ump1, an intrinsically disordered protein that functions as a proteasome assembly chaperone. Biomolecular NMR Assignments, 2014, 8, 383-386.	0.8	16
62	GlcNAc6ST-1 regulates sulfation of N-glycans and myelination in the peripheral nervous system. Scientific Reports, 2017, 7, 42257.	3.3	16
63	Design and synthesis of a 4-aminoquinoline-based molecular tweezer that recognizes protoporphyrin IX and iron( <scp>iii</scp> ) protoporphyrin IX and its application as a supramolecular photosensitizer. Chemical Science, 2018, 9, 7455-7467.	7.4	15
64	Improved secretion of glycoproteins using an N-glycan-restricted passport sequence tag recognized by cargo receptor. Nature Communications, 2020, 11, 1368.	12.8	15
65	Improved secretion of molecular chaperoneâ€assisted human IgG in silkworm, and no alterations in their <i>N</i> â€linked glycan structures. Biotechnology Progress, 2010, 26, 232-238.	2.6	14
66	Silkworm expression and sugar profiling of human immune cell surface receptor, KIR2DL1. Biochemical and Biophysical Research Communications, 2009, 387, 575-580.	2.1	14
67	Two-step process for disassembly mechanism of proteasome α7 homo-tetradecamer by α6 revealed by high-speed atomic force microscopy. Scientific Reports, 2017, 7, 15373.	3.3	14
68	ATP hydrolysis by KaiC promotes its KaiA binding in the cyanobacterial circadian clock system. Life Science Alliance, 2019, 2, e201900368.	2.8	14
69	Stable isotope labeling of glycoprotein expressed in silkworms using immunoglobulin G as a test molecule. Journal of Biomolecular NMR, 2015, 62, 157-167.	2.8	13
70	NMR-based structural validation of therapeutic antibody produced in Nicotiana benthamiana. Plant Cell Reports, 2015, 34, 959-968.	5.6	13
71	NMR Detection of Semi-Specific Antibody Interactions in Serum Environments. Molecules, 2017, 22, 1619.	3.8	13
72	Nâ€glycome inheritance from cells to extracellular vesicles in B16 melanomas. FEBS Letters, 2019, 593, 942-951.	2.8	13

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73	On-Membrane Dynamic Interplay between Anti-GM1 IgG Antibodies and Complement Component C1q. International Journal of Molecular Sciences, 2020, 21, 147.	4.1	13
74	Bovine Milk Whey for Preparation of Natural N-glycans: Structural and Quantitative Analysis. Open Glycoscience, 2012, 5, 41-50.	0.4	13
75	Functional roles of glycoconjugates in the maintenance of stemness and differentiation process of neural stem cells. Glycoconjugate Journal, 2017, 34, 757-763.	2.7	12
76	Characterization of conformational deformation-coupled interaction between immunoglobulin G1 Fc glycoprotein and a low-affinity Fcl <sup>3</sup> receptor by deuteration-assisted small-angle neutron scattering. Biochemistry and Biophysics Reports, 2017, 12, 1-4.	1.3	12
77	Identification of distinct N-glycosylation patterns on extracellular vesicles from small-cell and non–small-cell lung cancer cells. Journal of Biological Chemistry, 2022, 298, 101950.	3.4	12
78	N-Glycosylation profiling of turtle egg yolk: expression of galabiose structure. Carbohydrate Research, 2010, 345, 442-448.	2.3	11
79	Potent Antimalarial Activity of Two Arenes Linked with Triamine Designed To Have Multiple Interactions with Heme. ACS Medicinal Chemistry Letters, 2018, 9, 980-985.	2.8	11
80	Comprehensive characterization of oligosaccharide conformational ensembles with conformer classification by free-energy landscape <i>via</i> reproductive kernel Hilbert space. Physical Chemistry Chemical Physics, 2021, 23, 9753-9760.	2.8	10
81	Deuteration Aiming for Neutron Scattering. Biophysics and Physicobiology, 2021, 18, 16-27.	1.0	10
82	Technical Basis for Nuclear Magnetic Resonance Approach for Glycoproteins. , 2018, , 415-438.		9
83	Remodeling of the Oligosaccharide Conformational Space in the Prebound State To Improve Lectin-Binding Affinity. Biochemistry, 2020, 59, 3180-3185.	2.5	9
84	Comparative Analyses of N-Glycosylation Profiles of Influenza A Viruses Grown in Different Host Cells. Open Glycoscience, 2012, 5, 2-12.	0.4	9
85	Purified EDEM3 or EDEM1 alone produces determinant oligosaccharide structures from M8B in mammalian glycoprotein ERAD. ELife, 2021, 10, .	6.0	9
86	Multidimensional HPLC mapping method for the structural analysis of anionic N-glycans. Trends in Glycoscience and Glycotechnology, 2009, 21, 95-104.	0.1	8
87	Glycan structure and serum half-life of recombinant CTLA4Ig, an immunosuppressive agent, expressed in suspension-cultured rice cells with coexpression of human β1,4-galactosyltransferase and human CTLA4Ig. Glycoconjugate Journal, 2015, 32, 161-172.	2.7	8
88	Structure and Dynamics of Immunoglobulin G Glycoproteins. Advances in Experimental Medicine and Biology, 2018, 1104, 219-235.	1.6	8
89	Supramolecular tholos-like architecture constituted by archaeal proteins without functional annotation. Scientific Reports, 2020, 10, 1540.	3.3	8
90	Development and Application of High Performance Liquid Chromatography Map of Glucuronyl N-glycans. Open Glycoscience, 2008, 1, 8-18.	0.4	8

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91	Backbone and side chain 1H, 13C, and 15N assignments of the ubiquitin-like domain of human HOIL-1L, an essential component of linear ubiquitin chain assembly complex. Biomolecular NMR Assignments, 2012, 6, 177-180.	0.8	7
92	Lactone-Driven Ester-to-Amide Derivatization for Sialic Acid Linkage-Specific Alkylamidation. Analytical Chemistry, 2020, 92, 14383-14392.	6.5	7
93	pH-Dependent Assembly and Segregation of the Coiled-Coil Segments of Yeast Putative Cargo Receptors Emp46p and Emp47p. PLoS ONE, 2015, 10, e0140287.	2.5	7
94	Glutamine-free mammalian expression of recombinant glycoproteins with uniform isotope labeling: an application for NMR analysis of pharmaceutically relevant Fc glycoforms of human immunoglobulin G1. Journal of Biomolecular NMR, 2022, 76, 17-22.	2.8	7
95	Mutational and Combinatorial Control of Self-Assembling and Disassembling of Human Proteasome α Subunits. International Journal of Molecular Sciences, 2019, 20, 2308.	4.1	6
96	Structural and Functional Roles of the N-Glycans in Therapeutic Antibodies. , 2021, , 534-542.		6
97	NMR Characterization of the Dynamic Conformations of Oligosaccharides. , 2018, , 737-754.		6
98	Development and Application of Multidimensional HPLC Mapping Method for O-linked Oligosaccharides. Biomolecules, 2011, 1, 48-62.	4.0	5
99	Conversion of functionally undefined homopentameric protein PbaA into a proteasome activator by mutational modification of its C-terminal segment conformation. Protein Engineering, Design and Selection, 2018, 31, 29-36.	2.1	5
100	Release of N-glycans by Enzymatic Methods. , 2008, , 7-11.		5
101	Stable Isotope Labeling of Glycoproteins for NMR Study. New Developments in NMR, 2017, , 194-207.	0.1	5
102	Overall structure of fully assembled cyanobacterial KaiABC circadian clock complex by an integrated experimental-computational approach. Communications Biology, 2022, 5, 184.	4.4	5
103	Glycobiological study of adult Opisthorchis viverrini: Characterization of N-linked oligosaccharides. Molecular and Biochemical Parasitology, 2006, 147, 230-233.	1.1	4
104	Silkworm Pupae Function as Efficient Producers of Recombinant Glycoproteins with Stable-Isotope Labeling. Biomolecules, 2020, 10, 1482.	4.0	4
105	Establishment of a novel monoclonal antibody against truncated glycoforms of α-dystroglycan lacking matriglycans. Biochemical and Biophysical Research Communications, 2021, 579, 8-14.	2.1	4
106	Structural Heterogeneity of Glycoform of Alpha-1 Acid Glycoprotein in Alcoholic Cirrhosis Patients. Advances in Experimental Medicine and Biology, 2015, 842, 389-401.	1.6	4
107	Self-recognition of high-mannose type glycans mediating adhesion of embryonal fibroblasts. Glycoconjugate Journal, 2013, 30, 485-496.	2.7	3
108	Exploration of Conformational Spaces of Oligosaccharides byCombining Molecular Dynamics Simulation and NMR Spectroscopy. Journal of Computer Chemistry Japan, 2018, 17, 1-7.	0.1	3

IF # ARTICLE CITATIONS Alteration of a recombinant protein N-glycan structure in silkworms by partial suppression of 2.2 N-acetylglucosaminidase gene expression. Biotechnology Letters, 2017, 39, 1299-1308. NMR Characterization of the Dynamic Conformations of Oligosaccharides., 2017, , 1-18. 110 2 Cancer Malignancy Is Correlated with Upregulation of PCYT2-Mediated Glycerol Phosphate 4.1 Modification of α-Dystroglycan. International Journal of Molecular Sciences, 2022, 23, 6662. An embeddable molecular code for Lewis X modification through interaction with fucosyltransferase 112 4.4 2 9. Communications Biology, 2022, 5, . Lectin microarray analysis of isolated polysaccharides from Sasa veitchii. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1687-1689. 1.3 Quantitative Visualization of the Interaction between Complement Component C1 and Immunoglobulin 114 4.1 1 G: The Effect of CH1 Domain Deletion. International Journal of Molecular Sciences, 2022, 23, 2090. GlycoWord: Retrospects for Future Prospects. Trends in Glycoscience and Glycotechnology, 2007, 19, 211-224. The functional significance of the N-glycans in the differentiation of neural stem cells. Neuroscience 116 1.9 0 Research, 2011, 71, e45. Lewis X-Carrying Neoglycolipids Evoke Selective Apoptosis in Neural Stem Cells. Neurochemical Research, 2018, 43, 212-218. 3.3 Development and Application of Glycosylation-Profiling Techniques for Functional Glycomics in the 118 0.1 0 Nervous System. Trends in Glycoscience and Glycotechnology, 2017, 29, J21-J27. Development and Application of Glycosylation-Profiling Techniques for Functional Glycomics in the 119 0.1 Nervous System. Trends in Glycoscience and Glycotechnology, 2017, 29, E19-E25. Functional Roles of Glycoprotein Glycans in Neural Stem Cells. Trends in Glycoscience and 120 0 0.1 Glycotechnology, 2019, 31, SJ91-SJ92. Functional Roles of Glycoprotein Glycans in Neural Stem Cells. Trends in Glycoscience and 0.1 Glycotechnology, 2019, 31, SE91-SE92. OUP accepted manuscript. Glycobiology, 2022, , . 122 2.5 0

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