

Yoshiki Yamaguchi

List of Publications by Year in descending order

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227
papers

7,538
citations

53794

45
h-index

82547

72
g-index

237
all docs

237
docs citations

237
times ranked

9177
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Comparison of Fucosylated and Nonfucosylated Fc Fragments of Human Immunoglobulin G1. <i>Journal of Molecular Biology</i> , 2007, 368, 767-779.	4.2	273
2	Parkin binds the Rpn10 subunit of 26S proteasomes through its ubiquitin-like domain. <i>EMBO Reports</i> , 2003, 4, 301-306.	4.5	233
3	Protein encapsulation within synthetic molecular hosts. <i>Nature Communications</i> , 2012, 3, 1093.	12.8	208
4	Glycoform-dependent conformational alteration of the Fc region of human immunoglobulin G1 as revealed by NMR spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 693-700.	2.4	180
5	Identification of a Post-translational Modification with Ribitol-Phosphate and Its Defect in Muscular Dystrophy. <i>Cell Reports</i> , 2016, 14, 2209-2223.	6.4	180
6	High-Contrast In Vivo Imaging of Tau Pathologies in Alzheimer's and Non-Alzheimer's Disease Tauopathies. <i>Neuron</i> , 2021, 109, 42-58.e8.	8.1	157
7	An aberrant sugar modification of BACE1 blocks its lysosomal targeting in Alzheimer's disease. <i>EMBO Molecular Medicine</i> , 2015, 7, 175-189.	6.9	147
8	GPI Glycan Remodeling by PGAP5 Regulates Transport of GPI-Anchored Proteins from the ER to the Golgi. <i>Cell</i> , 2009, 139, 352-365.	28.9	137
9	Synthesis of Monoglucosylated High-Mannose-Type Dodecasaccharide, a Putative Ligand for Molecular Chaperone, Calnexin, and Calreticulin. <i>Journal of the American Chemical Society</i> , 2003, 125, 3402-3403.	13.7	135
10	Modulation of E-cadherin function and dysfunction by N-glycosylation. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1011-1020.	5.4	132
11	Sorting of GPI-anchored proteins into ER exit sites by p24 proteins is dependent on remodeled GPI. <i>Journal of Cell Biology</i> , 2011, 194, 61-75.	5.2	115
12	Hydrogen Bonding Makes a Difference in the Rhodium-Catalyzed Enantioselective Hydrogenation Using Monodentate Phosphoramidites. <i>Journal of the American Chemical Society</i> , 2006, 128, 14212-14213.	13.7	113
13	A Platform of C-type Lectin-like Receptor CLEC-2 for Binding O-Glycosylated Podoplanin and Nonglycosylated Rhodocytin. <i>Structure</i> , 2014, 22, 1711-1721.	3.3	110
14	Structural and molecular basis for hyperspecificity of RNA aptamer to human immunoglobulin G. <i>Rna</i> , 2008, 14, 1154-1163.	3.5	108
15	Direct interactions between NEDD8 and ubiquitin E2 conjugating enzymes upregulate cullin-based E3 ligase activity. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 167-168.	8.2	105
16	Function and 3D Structure of the N-Glycans on Glycoproteins. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8398-8429.	4.1	104
17	Brain Endothelial Cells Produce Amyloid β^2 from Amyloid Precursor Protein 770 and Preferentially Secrete the O-Glycosylated Form. <i>Journal of Biological Chemistry</i> , 2010, 285, 40097-40103.	3.4	93
18	Crystal Structure of Ub ^{H5b} Ubiquitin Intermediate: Insight into the Formation of the Self-Assembled E2 ^{Ub} Ub Conjugates. <i>Structure</i> , 2010, 18, 138-147.	3.3	90

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19	Structural Basis for Oligosaccharide Recognition of Misfolded Glycoproteins by OS-9 in ER-Associated Degradation. <i>Molecular Cell</i> , 2010, 40, 905-916.	9.7	89
20	Up-and-down topological mode of amyloid β -peptide lying on hydrophilic/hydrophobic interface of ganglioside clusters. <i>Glycoconjugate Journal</i> , 2009, 26, 999-1006.	2.7	85
21	A Single Dose of Lipopolysaccharide into Mice with Emphysema Mimics Human Chronic Obstructive Pulmonary Disease Exacerbation as Assessed by Micro-Computed Tomography. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 971-977.	2.9	83
22	Structural basis of sugar-recognizing ubiquitin ligase. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 365-370.	8.2	82
23	Sugar-binding Properties of VIP36, an Intracellular Animal Lectin Operating as a Cargo Receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 37178-37182.	3.4	80
24	Effect of Bisecting GlcNAc and Core Fucosylation on Conformational Properties of Biantennary Complex-Type N-Glycans in Solution. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8504-8512.	2.6	79
25	Pairing of oligosaccharides in the Fc region of immunoglobulin G. <i>FEBS Letters</i> , 2000, 473, 349-357.	2.8	76
26	Proteolytic fragmentation with high specificity of mouse immunoglobulin G mapping of proteolytic cleavage sites in the hinge region. <i>Journal of Immunological Methods</i> , 1995, 181, 259-267.	1.4	73
27	Folding a De Novo Designed Peptide into an α -Helix through Hydrophobic Binding by a Bowl-Shaped Host. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 241-244.	13.8	70
28	Development of structural analysis of sulfated N-glycans by multidimensional high performance liquid chromatography mapping methods. <i>Glycobiology</i> , 2005, 15, 1051-1060.	2.5	64
29	Bisecting GlcNAc Is a General Suppressor of Terminal Modification of N-glycan* [S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2044-2057.	3.8	63
30	The Muscular Dystrophy Gene TMEM5 Encodes a Ribitol β 1,4-Xylosyltransferase Required for the Functional Glycosylation of Dystroglycan. <i>Journal of Biological Chemistry</i> , 2016, 291, 24618-24627.	3.4	62
31	Dynamics of the carbohydrate chains attached to the Fc portion of immunoglobulin G as studied by NMR spectroscopy assisted by selective ^{13}C labeling of the glycans. <i>Journal of Biomolecular NMR</i> , 1998, 12, 385-394.	2.8	61
32	NMR characterization of the interactions between lyso β GM1 aqueous micelles and amyloid β . <i>FEBS Letters</i> , 2010, 584, 831-836.	2.8	61
33	Structure and mechanism of cancer-associated N-acetylglucosaminyltransferase-V. <i>Nature Communications</i> , 2018, 9, 3380.	12.8	60
34	NMR study of short β (1-3)-glucans provides insights into the structure and interaction with Dectin-1. <i>Glycoconjugate Journal</i> , 2014, 31, 199-207.	2.7	59
35	Oligomers of glycamino acid. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1999-2013.	3.0	58
36	Redox-Dependent Domain Rearrangement of Protein Disulfide Isomerase Coupled with Exposure of Its Substrate-Binding Hydrophobic Surface. <i>Journal of Molecular Biology</i> , 2010, 396, 361-374.	4.2	58

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37	Solution structure and dynamics of Ufm1, a ubiquitin-fold modifier 1. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 21-26.	2.1	55
38	Malectin Forms a Complex with Ribophorin I for Enhanced Association with Misfolded Glycoproteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 38080-38089.	3.4	55
39	Crystal Structure of Anti-polysialic Acid Antibody Single Chain Fv Fragment Complexed with Octasialic Acid. <i>Journal of Biological Chemistry</i> , 2013, 288, 33784-33796.	3.4	54
40	Stable-isotope-assisted NMR approaches to glycoproteins using immunoglobulin G as a model system. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2010, 56, 346-359.	7.5	53
41	Hyaluronan Recognition Mode of CD44 Revealed by Cross-saturation and Chemical Shift Perturbation Experiments. <i>Journal of Biological Chemistry</i> , 2003, 278, 43550-43555.	3.4	51
42	Synthesis of $\hat{1}^2(1,3)$ oligoglucans exhibiting a Dectin-1 binding affinity and their biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3898-3914.	3.0	51
43	Structural Insights into Recognition of Triple-helical $\hat{1}^2$ -Glucans by an Insect Fungal Receptor. <i>Journal of Biological Chemistry</i> , 2011, 286, 29158-29165.	3.4	50
44	Confident identification of isomeric N-glycan structures by combined ion mobility mass spectrometry and hydrophilic interaction liquid chromatography. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2877-2884.	1.5	50
45	The Absence of Core Fucose Up-regulates GnT-III and Wnt Target Genes. <i>Journal of Biological Chemistry</i> , 2014, 289, 11704-11714.	3.4	50
46	Structural Basis for Multiple Sugar Recognition of Jacalin-related Human ZG16p Lectin. <i>Journal of Biological Chemistry</i> , 2014, 289, 16954-16965.	3.4	47
47	An Alkynyl-Fucose Halts Hepatoma Cell Migration and Invasion by Inhibiting GDP-Fucose-Synthesizing Enzyme FX, TSTA3. <i>Cell Chemical Biology</i> , 2017, 24, 1467-1478.e5.	5.2	47
48	Recognition of Bisecting N-Acetylglucosamine. <i>Journal of Biological Chemistry</i> , 2013, 288, 33598-33610.	3.4	46
49	Molecular basis for diversification of yeast prion strain conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2389-2394.	7.1	44
50	Peptide Recognition: Encapsulation and $\hat{1}^2$ -Helical Folding of a Nine-Residue Peptide within a Hydrophobic Dimeric Capsule of a Bowl-Shaped Host. <i>Chemistry - A European Journal</i> , 2006, 12, 3211-3217.	3.3	42
51	Structural Diversity and Changes in Conformational Equilibria of Biantennary Complex-Type N-Glycans in Water Revealed by Replica-Exchange Molecular Dynamics Simulation. <i>Biophysical Journal</i> , 2011, 101, L44-L46.	0.5	42
52	Crystal structures of human secretory proteins ZG16p and ZG16b reveal a Jacalin-related $\hat{1}^2$ -prism fold. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 201-205.	2.1	42
53	Osteopontin N-glycosylation contributes to its phosphorylation and cell-adhesion properties. <i>Biochemical Journal</i> , 2014, 463, 93-102.	3.7	42
54	3D Structure and Function of Glycosyltransferases Involved in N-glycan Maturation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 437.	4.1	41

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55	920 MHz ultra-high field NMR approaches to structural glycobiology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 619-625.	2.4	40
56	Parallel-Stacked Aromatic Hosts for Orienting Small Molecules in a Magnetic Field: Induced Residual Dipolar Coupling by Encapsulation. <i>Journal of the American Chemical Society</i> , 2010, 132, 3670-3671.	13.7	40
57	Phytohemagglutinin from <i>Phaseolus vulgaris</i> (PHA-E) displays a novel glycan recognition mode using a common legume lectin fold. <i>Glycobiology</i> , 2014, 24, 368-378.	2.5	40
58	A synopsis of recent developments defining how N-glycosylation impacts immunoglobulin G structure and function. <i>Glycobiology</i> , 2020, 30, 214-225.	2.5	40
59	Inhibition of α -synuclein fibril assembly by small molecules: Analysis using epitope-specific antibodies. <i>FEBS Letters</i> , 2009, 583, 787-791.	2.8	39
60	High-Sensitivity and Low-Toxicity Fucose Probe for Glycan Imaging and Biomarker Discovery. <i>Cell Chemical Biology</i> , 2016, 23, 782-792.	5.2	39
61	Gentamicin binds to the lectin site of calreticulin and inhibits its chaperone activity. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 281-287.	2.1	38
62	Solution structures and behavior of trans-RuH(η -1-BH ₄)(binap)(1,2-diamine) complexes. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 66-75.	1.9	38
63	Silylene/Oxazolidinone Double-Locked Sialic Acid Building Blocks for Efficient Sialylation Reactions in Dichloromethane. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4215-4220.	2.4	38
64	Backbone ¹ H, ¹³ C, and ¹⁵ N resonance assignments of the Fc fragment of human immunoglobulin G glycoprotein. <i>Biomolecular NMR Assignments</i> , 2015, 9, 257-260.	0.8	38
65	3D Structure and Interaction of p24 ^Δ 2 and p24 ^Δ 1 Golgi Dynamics Domains: Implication for p24 Complex Formation and Cargo Transport. <i>Journal of Molecular Biology</i> , 2016, 428, 4087-4099.	4.2	38
66	Atomic visualization of a flipped-back conformation of bisected glycans bound to specific lectins. <i>Scientific Reports</i> , 2016, 6, 22973.	3.3	38
67	Molecular mechanism of ubiquitin recognition by GGA3 GAT domain. <i>Genes To Cells</i> , 2005, 10, 639-654.	1.2	37
68	NIRF/UHRF2 occupies a central position in the cell cycle network and allows coupling with the epigenetic landscape. <i>FEBS Letters</i> , 2012, 586, 1570-1583.	2.8	37
69	Identification of a Golgi GPI-N-acetylgalactosamine transferase with tandem transmembrane regions in the catalytic domain. <i>Nature Communications</i> , 2018, 9, 405.	12.8	37
70	Ultra-high field NMR studies of antibody binding and site-specific phosphorylation of α -synuclein. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 795-799.	2.1	36
71	Chiral η -6-arene/ η -5-tosylethylenediamine-Ruthenium(II) Complexes: Solution Behavior and Catalytic Activity for Asymmetric Hydrogenation. <i>Chemistry - an Asian Journal</i> , 2010, 5, 806-816.	3.3	36
72	Identification of Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3) as a Regulator of N-Acetylglucosaminyltransferase GnT-IX (GnT-Vb). <i>Journal of Biological Chemistry</i> , 2013, 288, 27912-27926.	3.4	35

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73	Structural basis for recognition of ubiquitinated cargo by Tom1-GAT domain. <i>FEBS Letters</i> , 2005, 579, 5385-5391.	2.8	34
74	Structural and functional mosaic nature of MHC class I molecules in their peptide-free form. <i>Molecular Immunology</i> , 2013, 55, 393-399.	2.2	34
75	Evaluation of blood-brain barrier function by quotient alpha2 macroglobulin and its relationship with interleukin-6 and complement component 3 levels in neuropsychiatric systemic lupus erythematosus. <i>PLoS ONE</i> , 2017, 12, e0186414.	2.5	34
76	Three-Dimensional Structural Aspects of Proteinâ€“Polysaccharide Interactions. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3768-3783.	4.1	33
77	Î²-Glucan-induced cooperative oligomerization of Dectin-1 C-type lectin-like domain. <i>Glycobiology</i> , 2018, 28, 612-623.	2.5	32
78	Analysis of protein landscapes around N-glycosylation sites from the PDB repository for understanding the structural basis of N-glycoprotein processing and maturation. <i>Glycobiology</i> , 2018, 28, 774-785.	2.5	32
79	Evolutionally Conserved Intermediates Between Ubiquitin and NEDD8. <i>Journal of Molecular Biology</i> , 2006, 363, 395-404.	4.2	31
80	Curculin Exhibits Sweet-tasting and Taste-modifying Activities through Its Distinct Molecular Surfaces. <i>Journal of Biological Chemistry</i> , 2007, 282, 33252-33256.	3.4	31
81	Redox-Dependent Domain Rearrangement of Protein Disulfide Isomerase from a Thermophilic Fungus. <i>Biochemistry</i> , 2010, 49, 6953-6962.	2.5	30
82	Characterization of Antibody Products Obtained through Enzymatic and Nonenzymatic Glycosylation Reactions with a Glycan Oxazoline and Preparation of a Homogeneous Antibodyâ€“Drug Conjugate via Fc <i>N</i>-Glycan. <i>Bioconjugate Chemistry</i> , 2019, 30, 1343-1355.	3.6	30
83	The Î±-Helical Region in p24 ^{Î±2} Subunit of p24 Protein Cargo Receptor Is Pivotal for the Recognition and Transport of Glycosylphosphatidylinositol-anchored Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 16835-16843.	3.4	29
84	Biological role of site-specific O-glycosylation in cell adhesion activity and phosphorylation of osteopontin. <i>Biochemical Journal</i> , 2018, 475, 1583-1595.	3.7	29
85	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectinâ€“1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18697-18702.	13.8	29
86	Structure of the putative 32â€“kDa myrosinaseâ€“binding protein from <i>Arabidopsis</i> (At3g16450.1) determined by SAILâ€“NMR. <i>FEBS Journal</i> , 2008, 275, 5873-5884.	4.7	28
87	Sugar recognition and proteinâ€“protein interaction of mammalian lectins conferring diverse functions. <i>Current Opinion in Structural Biology</i> , 2015, 34, 108-115.	5.7	28
88	Biallelic variants in <i>LIG3</i> cause a novel mitochondrial neurogastrointestinal encephalomyopathy. <i>Brain</i> , 2021, 144, 1451-1466.	7.6	28
89	Interaction of Platelet Endothelial Cell Adhesion Molecule (PECAM) with Î±2,6-Sialylated Glycan Regulates Its Cell Surface Residency and Anti-apoptotic Role. <i>Journal of Biological Chemistry</i> , 2014, 289, 27604-27613.	3.4	27
90	Tau Filaments and the Development of Positron Emission Tomography Tracers. <i>Frontiers in Neurology</i> , 2018, 9, 70.	2.4	27

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91	Synthesis of the starfish ganglioside AG2 pentasaccharide. <i>Tetrahedron Letters</i> , 2009, 50, 6150-6153.	1.4	26
92	Dynamics and Interactions of Glycoconjugates Probed by Stable-Isotope-Assisted NMR Spectroscopy. <i>Methods in Enzymology</i> , 2010, 478, 305-322.	1.0	26
93	Overproduction of anti-Tn antibody MLS128 single-chain Fv fragment in <i>Escherichia coli</i> cytoplasm using a novel pCold-PDI vector. <i>Protein Expression and Purification</i> , 2012, 82, 197-204.	1.3	26
94	Structural change of N-glycan exposes hydrophobic surface of human transferrin. <i>Glycobiology</i> , 2014, 24, 693-702.	2.5	26
95	A unique glycan-isoform of transferrin in cerebrospinal fluid: A potential diagnostic marker for neurological diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2473-2478.	2.4	26
96	High affinity sugar ligands of C-type lectin receptor langerin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1592-1601.	2.4	26
97	N-Glycosylation engineering of lepidopteran insect cells by the introduction of the α 1,4-N-acetylglucosaminyltransferase III gene. <i>Glycobiology</i> , 2010, 20, 1147-1159.	2.5	25
98	Discovery of a new sialic acid binding region that regulates Siglec-7. <i>Scientific Reports</i> , 2020, 10, 8647.	3.3	25
99	N-Glycans of SREC-I (scavenger receptor expressed by endothelial cells): Essential role for ligand binding, trafficking and stability. <i>Glycobiology</i> , 2012, 22, 714-724.	2.5	24
100	Binding assay between murine Dectin-1 and β -glucan/DNA complex with quartz-crystal microbalance. <i>Carbohydrate Research</i> , 2014, 391, 1-8.	2.3	24
101	Glucocerebrosidases catalyze a transgalactosylation reaction that yields a newly-identified brain sterol metabolite, galactosylated cholesterol. <i>Journal of Biological Chemistry</i> , 2020, 295, 5257-5277.	3.4	24
102	Solution structure and dynamics of mouse ARMET. <i>FEBS Letters</i> , 2010, 584, 1536-1542.	2.8	23
103	^{13}C -NMR quantification of proton exchange at LewisX hydroxyl groups in water. <i>Chemical Communications</i> , 2011, 47, 10800.	4.1	23
104	ATPase Activity and ATP-dependent Conformational Change in the Co-chaperone HSP70/HSP90-organizing Protein (HOP). <i>Journal of Biological Chemistry</i> , 2014, 289, 9880-9886.	3.4	23
105	3D structural analysis of protein <i>O</i> -mannosyl kinase, POMK, a causative gene product of dystroglycanopathy. <i>Genes To Cells</i> , 2017, 22, 348-359.	1.2	23
106	N-glycan structures of murine hippocampus serine protease, neuropsin, produced in <i>Trichoplusia ni</i> cells. <i>Glycoconjugate Journal</i> , 1999, 16, 405-414.	2.7	22
107	Fbs1 protects the malformed glycoproteins from the attack of peptide:N-glycanase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 712-716.	2.1	22
108	Fucosylation of chitooligosaccharides by human α 1,6-fucosyltransferase requires a nonreducing terminal chitotriose unit as a minimal structure. <i>Glycobiology</i> , 2010, 20, 1021-1033.	2.5	22

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109	Characterization of Inhibitor-Bound $\hat{\pm}$ -Synuclein Dimer: Role of $\hat{\pm}$ -Synuclein N-Terminal Region in Dimerization and Inhibitor Binding. <i>Journal of Molecular Biology</i> , 2010, 395, 445-456.	4.2	22
110	Suppression of Heregulin $\hat{2}$ Signaling by the Single N-Glycan Deletion Mutant of Soluble ErbB3 Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 32910-32921.	3.4	22
111	Structural basis of protein arginine rhamnosylation by glycosyltransferase EarP. <i>Nature Chemical Biology</i> , 2018, 14, 368-374.	8.0	22
112	Crystal structure of cyclic Lys48-linked tetraubiquitin. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 329-333.	2.1	21
113	Temperature-dependent isologous Fab \hat{c} -Fab interaction that mediates cryocrystallization of a monoclonal immunoglobulin G. <i>Molecular Immunology</i> , 2004, 41, 1211-1215.	2.2	20
114	Siglec-7 mediates nonapoptotic cell death independently of its immunoreceptor tyrosine-based inhibitory motifs in monocytic cell line U937. <i>Glycobiology</i> , 2010, 20, 395-402.	2.5	20
115	Defining the Interaction of Human Soluble Lectin ZG16p and Mycobacterial Phosphatidylinositol Mannosides. <i>ChemBioChem</i> , 2015, 16, 1502-1511.	2.6	20
116	Crystal structure of human dendritic cell inhibitory receptor C \hat{c} -type lectin domain reveals the binding mode with <i>N</i> -glycan. <i>FEBS Letters</i> , 2016, 590, 1280-1288.	2.8	20
117	A keratan sulfate disaccharide prevents inflammation and the progression of emphysema in murine models. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L268-L276.	2.9	20
118	^1H and ^{13}C NMR assignments for the glycans in glycoproteins by using $^2\text{H}/^{13}\text{C}$ -labeled glucose as a metabolic precursor. <i>Journal of Biomolecular NMR</i> , 2000, 18, 357-360.	2.8	19
119	NMR characterization of intramolecular interaction of osteopontin, an intrinsically disordered protein with cryptic integrin-binding motifs. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 487-491.	2.1	19
120	Different IVIG Glycoforms Affect In Vitro Inhibition of Anti-Ganglioside Antibody-Mediated Complement Deposition. <i>PLoS ONE</i> , 2014, 9, e107772.	2.5	19
121	Polyamine modification by acrolein exclusively produces 1,5-diazacyclooctanes: a previously unrecognized mechanism for acrolein-mediated oxidative stress. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5151-5157.	2.8	19
122	Distinct roles for each N-glycan branch interacting with mannose-binding type Jacalin-related lectins Oryzata and Calsepa. <i>Glycobiology</i> , 2017, 27, 1120-1133.	2.5	18
123	Discovery, Primary, and Crystal Structures and Capacitation-related Properties of a Prostate-derived Heparin-binding Protein WGA16 from Boar Sperm. <i>Journal of Biological Chemistry</i> , 2015, 290, 5484-5501.	3.4	17
124	Enhancement of solubility and yield of a $\hat{2}$ -glucan receptor Dectin-1 C-type \hat{c} -lectin-like domain in <i>Escherichia coli</i> with a solubility-enhancement tag. <i>Protein Expression and Purification</i> , 2016, 123, 97-104.	1.3	17
125	Surface plasmon resonance and NMR analyses of anti Tn-antigen MLS128 monoclonal antibody binding to two or three consecutive Tn-antigen clusters. <i>Journal of Biochemistry</i> , 2012, 151, 273-282.	1.7	16
126	Synthesis of a Bridging Ligand with a Non-denatured Protein Pendant: Toward Protein Encapsulation in a Coordination Cage. <i>Chemistry Letters</i> , 2012, 41, 313-315.	1.3	16

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127	NMR study into the mechanism of recognition of the degree of polymerization by oligo/polysialic acid antibodies. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6069-6076.	3.0	16
128	1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid β (1-40) Fibrillization. <i>Advanced Science</i> , 2016, 3, 1600082.	11.2	16
129	Transferrin Biosynthesized in the Brain Is a Novel Biomarker for Alzheimer's Disease. <i>Metabolites</i> , 2021, 11, 616.	2.9	16
130	A 13C-detection NMR approach for large glycoproteins. <i>Carbohydrate Research</i> , 2009, 344, 535-538.	2.3	15
131	Disruption of the structural and functional features of surfactant protein A by acrolein in cigarette smoke. <i>Scientific Reports</i> , 2017, 7, 8304.	3.3	15
132	Characterization of Conformational Ensembles of Protonated N-glycans in the Gas-Phase. <i>Scientific Reports</i> , 2018, 8, 1644.	3.3	15
133	Rapid increase of β -brain-type transferrin in cerebrospinal fluid after shunt surgery for idiopathic normal pressure hydrocephalus: a prognosis marker for cognitive recovery. <i>Journal of Biochemistry</i> , 2018, 164, 205-213.	1.7	15
134	3D Structural Insights into β -Glucans and Their Binding Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1578.	4.1	15
135	Mechanistic elucidation of the formation of reduced 2-aminopyridine-derivatized oligosaccharides and their application in matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3607-3611.	1.5	14
136	Conformational Dynamics of Complementarity-determining Region H3 of an Anti-dansyl Fv Fragment in the Presence of its Hapten. <i>Journal of Molecular Biology</i> , 2005, 351, 627-640.	4.2	14
137	Synthesis and binding analysis of unique AG2 pentasaccharide to human Siglec-2 using NMR techniques. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3720-3725.	3.0	14
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