

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	High Correlation among Brain-Derived Major Protein Levels in Cerebrospinal Fluid: Implication for Amyloid-Beta and Tau Protein Changes in Alzheimer's Disease. <i>Metabolites</i> , 2022, 12, 355.	2.9	3
2	Chemical and Chemo-Enzymatic Syntheses of Glycans Containing Ribitol Phosphate Scaffolding of Matriglycan. <i>ACS Chemical Biology</i> , 2022, 17, 1513-1523.	3.4	1
3	O-Glycan-Dependent Interaction between MUC1 Glycopeptide and MY.1E12 Antibody by NMR, Molecular Dynamics and Docking Simulations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7855.	4.1	3
4	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
5	Total transferrin in cerebrospinal fluid is a novel biomarker for spontaneous intracranial hypotension. <i>Fukushima Journal of Medical Sciences</i> , 2021, 67, 64-70.	0.4	0
6	NMR assignments of the N-glycans of the Fc fragment of mouse immunoglobulin G2b glycoprotein. <i>Biomolecular NMR Assignments</i> , 2021, 15, 187-192.	0.8	4
7	3D Structural Insights into β -Glucans and Their Binding Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1578.	4.1	15
8	Antibody Glycoengineering and Homogeneous Antibody-Drug Conjugate Preparation. <i>Chemical Record</i> , 2021, 21, 3005-3014.	5.8	12
9	Biallelic variants in <i>LIG3</i> cause a novel mitochondrial neurogastrointestinal encephalomyopathy. <i>Brain</i> , 2021, 144, 1451-1466.	7.6	28
10	3D Structural View of Pathogen Recognition by Mammalian Lectin Receptors. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 670780.	3.5	2
11	Proteolytic Processing, Maturation, and Unique Synteny of <i>Streptomyces</i> Hemagglutinin, SHA. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
12	Proteolytic Processing, Maturation, and Unique Synteny of the <i>Streptomyces</i> Hemagglutinin SHA. <i>Microbiology Spectrum</i> , 2021, 9, e0076621.	3.0	0
13	Ribitol in Solution Is an Equilibrium of Asymmetric Conformations. <i>Molecules</i> , 2021, 26, 5471.	3.8	2
14	Transferrin Biosynthesized in the Brain Is a Novel Biomarker for Alzheimer's Disease. <i>Metabolites</i> , 2021, 11, 616.	2.9	16
15	Pick's Tau Fibril Shows Multiple Distinct PET Probe Binding Sites: Insights from Computational Modelling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 349.	4.1	11
16	3D Structures of IgA, IgM, and Components. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12776.	4.1	13
17	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
18	Chemical Synthesis of Residue-Selectively ^{13}C and ^2H Double-Isotope-Labeled Oligosaccharides as Chemical Probes for the NMR-Based Conformational Analysis of Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2020, 85, 16115-16127.	3.2	5

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19	Discovery of a new sialic acid binding region that regulates Siglec-7. <i>Scientific Reports</i> , 2020, 10, 8647.	3.3	25
20	Annexin A4 inhibits sulfatide-induced activation of coagulation factor XII. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1357-1369.	3.8	7
21	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
22	Solid-state ¹⁷ O NMR analysis of synthetically ¹⁷ O-enriched d-glucosamine. <i>Chemical Physics Letters</i> , 2020, 749, 137455.	2.6	5
23	3D Structure and Function of Glycosyltransferases Involved in N-glycan Maturation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 437.	4.1	41
24	Short disordered protein segment regulates cross-species transmission of a yeast prion. <i>Nature Chemical Biology</i> , 2020, 16, 756-765.	8.0	12
25	Molecular Dynamics Simulation of Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, E113-E118.	0.1	4
26	Contribution from Synthetic Organic Chemistry and Glycoscience to ADC Development: Homogeneous ADC Preparation and Development of Cancer Stromal Targeting Therapy. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2020, 78, 485-494.	0.1	0
27	Molecular Dynamics Simulation of Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, J93-J98.	0.1	0
28	Synthesis and Glycan-Protein Interaction Studies of ⁷⁷ Se-Sialosides by ⁷⁷ Se NMR. <i>Organic Letters</i> , 2019, 21, 6393-6396.	4.6	12
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 Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18697-18702.	13.8	29
31	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie</i> , 2019, 131, 18870-18875.	2.0	2
32	Structural analysis of a novel lipooligosaccharide (LOS) from <i>Rhodobacter azotoformans</i> . <i>Carbohydrate Research</i> , 2019, 473, 104-114.	2.3	6
33	Characterization of Antibody Products Obtained through Enzymatic and Nonenzymatic Glycosylation Reactions with a Glycan Oxazoline and Preparation of a Homogeneous Antibody-Drug Conjugate via Fc N-Glycan. <i>Bioconjugate Chemistry</i> , 2019, 30, 1343-1355.	3.6	30
34	Glucoselysine is derived from fructose and accumulates in the eye lens of diabetic rats. <i>Journal of Biological Chemistry</i> , 2019, 294, 17326-17338.	3.4	12
35	Structural Aspects of Carbohydrate Recognition Mechanisms of C-Type Lectins. <i>Current Topics in Microbiology and Immunology</i> , 2019, 429, 147-176.	1.1	5
36	Synthesis of the Core Oligosaccharides of Lipooligosaccharides from <i>Campylobacter jejuni</i> : A Putative Cause of Guillain-Barré Syndrome. <i>Chemistry - A European Journal</i> , 2019, 25, 796-805.	3.3	14

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37	Structural Biology of Glycans. , 2019, , 35-63.		0
38	Structural Analysis of Glycans (Analytical and Detection Methods). , 2019, , 3-33.		2
39	Next Generation Medical Care. , 2019, , 259-267.		0
40	A Struggle of the Last Eleven Years after Getting JSCR Award. Trends in Glycoscience and Glycotechnology, 2019, 31, SE50-SE52.	0.1	0
41	A Struggle of the Last Eleven Years after Getting JSCR Award. Trends in Glycoscience and Glycotechnology, 2019, 31, SJ50-SJ52.	0.1	0
42	Binding Free Energy Calculation of Protein-Carbohydrate Complexes: Learnings so Far. Biophysical Journal, 2018, 114, 57a.	0.5	0
43	Molecular basis for diversification of yeast prion strain conformation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2389-2394.	7.1	44
44	β -Glucan-induced cooperative oligomerization of Dectin-1 C-type lectin-like domain. Glycobiology, 2018, 28, 612-623.	2.5	32
45	Spontaneous intracranial hypotension is diagnosed by a combination of lipocalin-type prostaglandin D synthase and brain-type transferrin in cerebrospinal fluid. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1835-1842.	2.4	12
46	Biological role of site-specific O-glycosylation in cell adhesion activity and phosphorylation of osteopontin. Biochemical Journal, 2018, 475, 1583-1595.	3.7	29
47	High affinity sugar ligands of C-type lectin receptor langerin. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1592-1601.	2.4	26
48	Structural basis of protein arginine rhamnosylation by glycosyltransferase EarP. Nature Chemical Biology, 2018, 14, 368-374.	8.0	22
49	Characterization of Conformational Ensembles of Protonated N-glycans in the Gas-Phase. Scientific Reports, 2018, 8, 1644.	3.3	15
50	Identification of a Golgi GPI-N-acetylgalactosamine transferase with tandem transmembrane regions in the catalytic domain. Nature Communications, 2018, 9, 405.	12.8	37
51	Bisecting GlcNAc restricts conformations of branches in model N -glycans with GlcNAc termini. Carbohydrate Research, 2018, 456, 53-60.	2.3	6
52	Lectin ZG16p inhibits proliferation of human colorectal cancer cells via its carbohydrate-binding sites. Glycobiology, 2018, 28, 21-31.	2.5	9
53	^{77}Se , ^{13}C and ^{77}Se , ^{13}C couplings of seleno-carbohydrates obtained by ^{77}Se satellite 1D ^{13}C spectroscopy and ^{77}Se selective H α -HMBC spectroscopy. Magnetic Resonance in Chemistry, 2018, 56, 836-846.	1.9	8
54	Rapid increase of β -brain-type α -transferrin in cerebrospinal fluid after shunt surgery for idiopathic normal pressure hydrocephalus: a prognosis marker for cognitive recovery. Journal of Biochemistry, 2018, 164, 205-213.	1.7	15

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55	Mass spectrometric revival of an l-rhamnose- and d-galactose-specific lectin from a lost strain of <i>Streptomyces</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 368-378.	3.4	3
56	Identification and characterization of UDP-mannose in human cell lines and mouse organs: Differential distribution across brain regions and organs. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 401-407.	2.1	12
57	Acceptor range of endo- β -N-acetylglucosaminidase mutant endo-CC N180H: from monosaccharide to antibody. <i>Royal Society Open Science</i> , 2018, 5, 171521.	2.4	13
58	Biophysical Analyses for Probing Glycan-Protein Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 119-147.	1.6	5
59	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
60	Tau Filaments and the Development of Positron Emission Tomography Tracers. <i>Frontiers in Neurology</i> , 2018, 9, 70.	2.4	27
61	Implication of C-type lectin receptor langerin and keratan sulfate disaccharide in emphysema. <i>Cellular Immunology</i> , 2018, 333, 80-84.	3.0	5
62	Structure and mechanism of cancer-associated N-acetylglucosaminyltransferase-V. <i>Nature Communications</i> , 2018, 9, 3380.	12.8	60
63	Crystallographic analysis of murine p24 ³² Golgi dynamics domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 764-770.	2.6	10
64	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
65	Reactivity of anti-HNK-1 antibodies to branched O-mannose glycans associated with demyelination. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 450-456.	2.1	12
66	3D structural analysis of protein α -mannosyl kinase, <i>POMK</i> , a causative gene product of dystroglycanopathy. <i>Genes To Cells</i> , 2017, 22, 348-359.	1.2	23
67	Novel missense mutation in <i>DLL4</i> in a Japanese sporadic case of Adams-Oliver syndrome. <i>Journal of Human Genetics</i> , 2017, 62, 851-855.	2.3	12
68	Distinct roles for each N-glycan branch interacting with mannose-binding type Jacalin-related lectins <i>Oryzata</i> and <i>Calsepa</i> . <i>Glycobiology</i> , 2017, 27, 1120-1133.	2.5	18
69	Synthesis of a biotinylated keratan sulfate tetrasaccharide composed of dimeric Gal ² 1-4GlcNAc6S ² . <i>Carbohydrate Research</i> , 2017, 452, 97-107.	2.3	1
70	An Alkynyl-Fucose Halts Hepatoma Cell Migration and Invasion by Inhibiting GDP-Fucose-Synthesizing Enzyme <i>FX</i> , <i>TSTA3</i> . <i>Cell Chemical Biology</i> , 2017, 24, 1467-1478.e5.	5.2	47
71	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
72	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

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73	Simple Gd ³⁺ -Neu5NAc complexation results in NMR chemical shift asymmetries of structurally equivalent complex-type N-glycan branches. <i>Analyst</i> , The, 2017, 142, 2897-2900.	3.5	2
74	Sialylation of extracellular superoxide dismutase (EC-SOD) enhances furin-mediated cleavage and secretion. <i>Glycobiology</i> , 2017, 27, 1081-1088.	2.5	3
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	Crystal structure of human dendritic cell inhibitory receptor C-type lectin domain reveals the binding mode with N-glycan. <i>FEBS Letters</i> , 2016, 590, 1280-1288.	2.8	20
77	Enhancement of solubility and yield of a Î ² -glucan receptor Dectin-1 C-type 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
78	3D Structure and Interaction of p24 ^{Î²} and p24 ^{Î¹} Golgi Dynamics Domains: Implication for p24 Complex Formation and Cargo Transport. <i>Journal of Molecular Biology</i> , 2016, 428, 4087-4099.	4.2	38
79	Polyclonal IgM and IgA block in vitro complement deposition mediated by anti-ganglioside antibodies in autoimmune neuropathies. <i>International Immunopharmacology</i> , 2016, 40, 11-15.	3.8	10
80	6-azido-6-deoxy-α-D-glucopyranoside as a Hetero-bifunctional Spacer for the Synthesis of Azido-containing Chemical Probes. <i>Chemistry - A European Journal</i> , 2016, 22, 12884-12890.	3.3	7
81	Atomic visualization of a flipped-back conformation of bisected glycans bound to specific lectins. <i>Scientific Reports</i> , 2016, 6, 22973.	3.3	38
82	1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid-Î ² (1-40) Fibrillization. <i>Advanced Science</i> , 2016, 3, 1600082.	11.2	16
83	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
84	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
85	Aglycon diversity of brain sterolglucosides: structure determination of cholesteryl- and sitosterolglucoside. <i>Journal of Lipid Research</i> , 2016, 57, 2061-2072.	4.2	13
86	Oxidative Stress: 1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid-Î ² (1-40) Fibrillization (Adv. Sci. 10/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	0
87	The Muscular Dystrophy Gene TMEM5 Encodes a Ribitol Î ² 1,4-Xylosyltransferase Required for the Functional Glycosylation of Dystroglycan. <i>Journal of Biological Chemistry</i> , 2016, 291, 24618-24627.	3.4	62
88	The Î ¹ -Glycosidation of Partially Unprotected N-Acetyl and N-Glycolyl Sialyl Donors in the Absence of a Nitrile Solvent Effect. <i>Chemistry - A European Journal</i> , 2016, 22, 6968-6973.	3.3	8
89	Subgroup differences in brain-type transferrin and Î [±] -synuclein in Parkinson's disease and multiple system atrophy. <i>Journal of Biochemistry</i> , 2016, 160, 87-91.	1.7	7
90	Defining the Interaction of Human Soluble Lectin ZG16p and Mycobacterial Phosphatidylinositol Mannosides. <i>ChemBioChem</i> , 2015, 16, 1502-1511.	2.6	20

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91	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
92	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
93	The chemoselective O-glycosylation of alcohols in the presence of a phosphate diester and its application to the synthesis of oligomannosylated phosphatidyl inositols. <i>Tetrahedron</i> , 2015, 71, 6602-6611.	1.9	5
94	In situ visualization of a glycoform of transferrin: localization of α 2,6-sialylated transferrin in the liver. <i>Journal of Biochemistry</i> , 2015, 157, 211-216.	1.7	4
95	Backbone ^1H , ^{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
96	Sugar recognition and protein-protein interaction of mammalian lectins conferring diverse functions. <i>Current Opinion in Structural Biology</i> , 2015, 34, 108-115.	5.7	28
97	Identification of matrix metalloproteinase inhibitors by chemical arrays. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1597-1602.	1.3	7
98	A self-assembled, π -stacked complex as a finely-tunable magnetic aligner for biomolecular NMR applications. <i>Chemical Communications</i> , 2015, 51, 2540-2543.	4.1	7
99	Indirect Detection of Hydroxy Proton Exchange Through Deuterium-Induced ^{13}C -NMR Isotope Shift Isotope Shifts. , 2015, , 129-135.		2
100	Different IVIG Glycoforms Affect In Vitro Inhibition of Anti-Ganglioside Antibody-Mediated Complement Deposition. <i>PLoS ONE</i> , 2014, 9, e107772.	2.5	19
101	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
102	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
103	Three-Dimensional Structural Aspects of Protein-Polysaccharide Interactions. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3768-3783.	4.1	33
104	Microfluidic Mixing of Polyamine with Acrolein Enables the Detection of the [4+4] Polymerization of Intermediary Unsaturated Imines: The Properties of a Cytotoxic 1,5-Diazacyclooctane Hydrogel. <i>Synlett</i> , 2014, 25, 2442-2446.	1.8	14
105	Crystal structures of carbohydrate recognition domain of blood dendritic cell antigen α 2 (BDCA2) reveal a common domain-swapped dimer. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1512-1518.	2.6	10
106	Structural change of N-glycan exposes hydrophobic surface of human transferrin. <i>Glycobiology</i> , 2014, 24, 693-702.	2.5	26
107	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
108	The α -Helical Region in p24 $^{\text{H}}$ 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

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109	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
110	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
111	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
112	Mode of substrate recognition by the Josephin domain of ataxin-3, which has an endo-type deubiquitinase activity. <i>FEBS Letters</i> , 2014, 588, 4422-4430.	2.8	12
113	Stabilization of β -peptide helices by direct attachment of trifluoromethyl groups to peptide backbones. <i>Chemical Communications</i> , 2014, 50, 9855-9858.	4.1	12
114	Osteopontin <i>O</i> -glycosylation contributes to its phosphorylation and cell-adhesion properties. <i>Biochemical Journal</i> , 2014, 463, 93-102.	3.7	42
115	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
116	Interaction of Platelet Endothelial Cell Adhesion Molecule (PECAM) with α 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
117	Synthesis of N-glycan units for assessment of substrate structural requirements of N-acetylglucosaminyltransferase III. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4533-4537.	2.2	11
118	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
119	Structural Analysis of Oligosaccharides and Glycoconjugates Using NMR. <i>Advances in Neurobiology</i> , 2014, 9, 165-183.	1.8	7
120	Synthesis of a Phosphatidylinositol Dimannoside Using 2-(Azidomethyl)benzoate Mannosyl Donors. <i>Heterocycles</i> , 2014, 89, 763.	0.7	3
121	Indirect Detection of Hydroxy Proton Exchange Through Deuterium-Induced ^{13}C -NMR Isotope Shifts. , 2014, , 1-6.		0
122	Conformational Diversity of N-Glycans in Solution Studied by REMD Simulations. <i>Biophysical Journal</i> , 2013, 104, 170a.	0.5	0
123	Difucosylation of chitoooligosaccharides by eukaryote and prokaryote α 1,6-fucosyltransferases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4482-4490.	2.4	10
124	A solution ^{17}O -NMR approach for observing an oxidized cysteine residue in Cu,Zn-superoxide dismutase. <i>Chemical Communications</i> , 2013, 49, 1449.	4.1	7
125	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
126	Multiple Conformers and their Spectroscopic Properties of N-Glycan Predicted using Replica-Exchange Simulations. <i>Biophysical Journal</i> , 2013, 104, 665a.	0.5	0

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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	Stable isotope-assisted NMR characterization of interaction between lipid A and sarcotoxin IA, a cecropin-type antibacterial peptide. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 136-140.	2.1	9
129	Expression and structural characterization of anti-T-antigen single-chain antibodies (scFvs) and analysis of their binding to T-antigen by surface plasmon resonance and NMR spectroscopy. <i>Journal of Biochemistry</i> , 2013, 154, 521-529.	1.7	9
130	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
131	Recognition of Bisecting N-Acetylglucosamine. <i>Journal of Biological Chemistry</i> , 2013, 288, 33598-33610.	3.4	46
132	Lectin-dependent inhibition of antigen-antibody reaction: application for measuring α 2,6-sialylated glycoforms of transferrin. <i>Journal of Biochemistry</i> , 2013, 154, 229-232.	1.7	8
133	Suppression of Heregulin β 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
134	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
135	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
136	Structural switching of Cu,Zn-superoxide dismutases at loop VI: insights from the crystal structure of 2-mercaptoethanol-modified enzyme. <i>Bioscience Reports</i> , 2012, 32, 539-548.	2.4	10
137	Function and 3D Structure of the N-Glycans on Glycoproteins. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8398-8429.	4.1	104
138	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
139	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
140	Characterization of Autoantibodies against the E1 Subunit of Branched-Chain 2-Oxoacid Dehydrogenase in Patients with Primary Biliary Cirrhosis. <i>International Journal of Hepatology</i> , 2012, 1-12.	1.1	2
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