

Koichi Kato

List of Publications by Year in descending order

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Version: 2024-02-01

374
papers

11,746
citations

36691

53
h-index

56606

87
g-index

383
all docs

383
docs citations

383
times ranked

12410
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Biomolecular NMR</i> , 2022, 76, 17-22.	1.6	7
2	Biophysical Characterization of Novel DNA Aptamers against K103N/Y181C Double Mutant HIV-1 Reverse Transcriptase. <i>Molecules</i> , 2022, 27, 285.	1.7	2
3	Computational quantitation of the aldehyde forms of aldohexoses and disaccharides composed of d-glucose: Predictions of their reactivities in the Maillard reaction. <i>Computational and Theoretical Chemistry</i> , 2022, 1209, 113605.	1.1	1
4	Quantitative Visualization of the Interaction between Complement Component C1 and Immunoglobulin G: The Effect of CH1 Domain Deletion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2090.	1.8	1
5	The Fab portion of immunoglobulin G has sites in the CL domain that interact with Fc gamma receptor IIIa. <i>MAbs</i> , 2022, 14, 2038531.	2.6	7
6	Crystal Structure of $[\text{Zn}(\text{m},\text{m})\text{-bis}(\text{Zn}(\text{II})\text{-cyclo})]_3(\text{H}_2\text{O})_2\text{-CO}_2$. <i>X-ray Structure Analysis Online</i> , 2022, 38, 53-55.		
7	Overall structure of fully assembled cyanobacterial KaiABC circadian clock complex by an integrated experimental-computational approach. <i>Communications Biology</i> , 2022, 5, 184.	2.0	5
8	Experimental and computational characterization of dynamic biomolecular interaction systems involving glycolipid glycans. <i>Glycoconjugate Journal</i> , 2022, 39, 219-228.	1.4	5
9	Identification of distinct N-glycosylation patterns on extracellular vesicles from small-cell and non-small-cell lung cancer cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101950.	1.6	12
10	Cancer Malignancy Is Correlated with Upregulation of PCYT2-Mediated Glycerol Phosphate Modification of Î±-Dystroglycan. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6662.	1.8	2
11	DMSO-Quenched H/D-Exchange 2D NMR Spectroscopy and Its Applications in Protein Science. <i>Molecules</i> , 2022, 27, 3748.	1.7	5
12	An embeddable molecular code for Lewis X modification through interaction with fucosyltransferase 9. <i>Communications Biology</i> , 2022, 5, .	2.0	2
13	Computational analysis of nonenzymatic deamidation of asparagine residues catalysed by acetic acid. <i>Molecular Physics</i> , 2021, 119, e1827176.	0.8	0
14	Sustained high expression of NRF2 and its target genes induces dysregulation of cellular proliferation and apoptosis is associated with arsenite-induced malignant transformation of human bronchial epithelial cells. <i>Science of the Total Environment</i> , 2021, 756, 143840.	3.9	14
15	Characterization of New DNA Aptamers for Anti-HIV-1 Reverse Transcriptase. <i>ChemBioChem</i> , 2021, 22, 915-923.	1.3	3
16	Comprehensive characterization of oligosaccharide conformational ensembles with conformer classification by free-energy landscape <i>via</i> reproductive kernel Hilbert space. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9753-9760.	1.3	10
17	NMR assignments of the N-glycans of the Fc fragment of mouse immunoglobulin G2b glycoprotein. <i>Biomolecular NMR Assignments</i> , 2021, 15, 187-192.	0.4	4
18	Structural and Functional Roles of the N-Glycans in Therapeutic Antibodies. , 2021, , 534-542.		6

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37	Molecular dynamics simulations for the protein-ligand complex structures obtained by computational docking studies using implicit or explicit solvents. <i>Chemical Physics Letters</i> , 2021, 781, 139022.	1.2	12
38	Establishment of a novel monoclonal antibody against truncated glycoforms of Î±-dystroglycan lacking matriglycans. <i>Biochemical and Biophysical Research Communications</i> , 2021, 579, 8-14.	1.0	4
39	Computational Analysis of the Mechanism of Nonenzymatic Peptide Bond Cleavage at the C-Terminal Side of an Asparagine Residue. <i>ACS Omega</i> , 2021, 6, 30078-30084.	1.6	4
40	Purified EDEM3 or EDEM1 alone produces determinant oligosaccharide structures from M8B in mammalian glycoprotein ERAD. <i>ELife</i> , 2021, 10, .	2.8	9
41	Desiccation-induced fibrous condensation of CAHS protein from an anhydrobiotic tardigrade. <i>Scientific Reports</i> , 2021, 11, 21328.	1.6	38
42	Nonenzymatic Deamidation Mechanism on a Glutamine Residue with a C-Terminal Adjacent Glycine Residue: A Computational Mechanistic Study. <i>AppliedChem</i> , 2021, 1, 142-155.	0.2	2
43	Crystal Structure of Bis{1,3-bis[bis(pyridin-2-ylmethyl)amino]propan-2-olato-dizinc(II)}orthophosphate Tris(perchlorate) Octahydrate, [(Phos-tag)₂PO₄]3⁻[ClO₄]0.1⁰ X-ray Structure Analysis Online, 2021, 37, 87-88.		
44	Remodeling of the Oligosaccharide Conformational Space in the Prebound State To Improve Lectin-Binding Affinity. <i>Biochemistry</i> , 2020, 59, 3180-3185.	1.2	9
45	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	2.5	87
46	Identification of heterozygous p.Y150C and p.V274M mutations in the HJV gene in a Japanese patient with a mild phenotype of juvenile hemochromatosis: A case report. <i>Hepatology Research</i> , 2020, 50, 144-150.	1.8	2
47	On-Membrane Dynamic Interplay between Anti-GM1 IgG Antibodies and Complement Component C1q. <i>International Journal of Molecular Sciences</i> , 2020, 21, 147.	1.8	13
48	Residual Structure of Unfolded Ubiquitin as Revealed by Hydrogen/Deuterium-Exchange 2D NMR. <i>Biophysical Journal</i> , 2020, 119, 2029-2038.	0.2	5
49	Mechanisms of Deamidation of Asparagine Residues and Effects of Main-Chain Conformation on Activation Energy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7035.	1.8	17
50	Molecular Dynamics Simulations for Three-Dimensional Structures of Orotate Phosphoribosyltransferases Constructed from a Simplified Amino Acid Set. <i>ACS Omega</i> , 2020, 5, 13069-13076.	1.6	5
51	Influence of the conformations of Î±A-crystallin peptides on the isomerization rates of aspartic acid residues. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140480.	1.1	2
52	Silkworm Pupae Function as Efficient Producers of Recombinant Glycoproteins with Stable-Isotope Labeling. <i>Biomolecules</i> , 2020, 10, 1482.	1.8	4
53	Pseudo-Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie</i> , 2020, 132, 18087-18093.	1.6	7
54	NMR Characterization of Conformational Interconversions of Lys48-Linked Ubiquitin Chains. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5351.	1.8	2

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55	Intrastrand backbone-nucleobase interactions stabilize unwound right-handed helical structures of heteroduplexes of L-aTNA/RNA and SNA/RNA. <i>Communications Chemistry</i> , 2020, 3, .	2.0	9
56	Possible differences in the mechanism of malignant transformation of HaCaT cells by arsenite and its dimethyl metabolites, particularly dimethylthioarsenics. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126544.	1.5	4
57	Biophysical characterization of dynamic structures of immunoglobulin G. <i>Biophysical Reviews</i> , 2020, 12, 637-645.	1.5	18
58	Characterization of amyloid β fibril formation under microgravity conditions. <i>Npj Microgravity</i> , 2020, 6, 17.	1.9	10
59	Integral approach to biomacromolecular structure by analytical-ultracentrifugation and small-angle scattering. <i>Communications Biology</i> , 2020, 3, 294.	2.0	9
60	Role of GH/IGF axis in arsenite-induced developmental toxicity in zebrafish embryos. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110820.	2.9	24
61	Improved secretion of glycoproteins using an N-glycan-restricted passport sequence tag recognized by cargo receptor. <i>Nature Communications</i> , 2020, 11, 1368.	5.8	15
62	Pseudo-2D Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17931-17937.	7.2	11
63	Computational studies on nonenzymatic succinimide-formation mechanisms of the aspartic acid residues catalyzed by two water molecules. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140459.	1.1	5
64	Solid-state ^{17}O NMR analysis of synthetically ^{17}O -enriched d-glucosamine. <i>Chemical Physics Letters</i> , 2020, 749, 137455.	1.2	5
65	Supramolecular tholos-like architecture constituted by archaeal proteins without functional annotation. <i>Scientific Reports</i> , 2020, 10, 1540.	1.6	8
66	Computational studies on nonenzymatic pyroglutamylation mechanism of N-terminal glutamic acid residues in aqueous conditions*. <i>Molecular Physics</i> , 2020, 118, e1702727.	0.8	4
67	Analysis of the susceptibility of reducing disaccharides composed of d-glucose to glycation using the Maillard reaction and a novel sensitive method that measures the percentage of the open-ring form. <i>Carbohydrate Research</i> , 2020, 493, 108019.	1.1	4
68	Computational Studies on the Mechanisms of Nonenzymatic Intramolecular Cyclization of the Glutamine Residues Located at N-Termini Catalyzed by Inorganic Phosphate Species. <i>ACS Omega</i> , 2020, 5, 9162-9170.	1.6	5
69	Recombinant Expression and Purification of Animal Intracellular L-Type Lectins. <i>Methods in Molecular Biology</i> , 2020, 2132, 21-28.	0.4	2
70	Long-term arsenite exposure decreases autophagy by increased release of Nrf2 in transformed human keratinocytes. <i>Science of the Total Environment</i> , 2020, 734, 139425.	3.9	15
71	Development of Force Field Parameters for p-Carborane to Investigate the Structural Influence of Carborane Derivatives on Drug Targets by Complex Formation. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1931-1939.	0.6	1
72	EDEM2 stably disulfide-bonded to TXNDC11 catalyzes the first mannose trimming step in mammalian glycoprotein ERAD. <i>ELife</i> , 2020, 9, .	2.8	31

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73	Crystallographic snapshots of the EF-hand protein MCFD2 complexed with the intracellular lectin ERGIC-53 involved in glycoprotein transport. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 216-221.	0.4	8
74	Activation of Ligand Reaction on an Iron Complex: H/D Exchange Reaction of a Low-Spin Bis[2-(Pyridylmethylidene)-1-(2-pyridyl)methylamine]iron(II) Complex. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 713-716.	0.6	1
75	Crystal Structure of [3-(1,4,7,10-Tetraazacyclododecan-1-yl)propan-1-amine]zinc(II) Bis(perchlorate), [Zn ^{II}](ClO ₄) ₂ . <i>X-ray Structure Analysis Online</i> , 2020, 36, 43-44.	0.1	2
76	Crystal Structure of 5-Methoxyindirubin 3 α -Oxime. <i>X-ray Structure Analysis Online</i> , 2020, 36, 47-48.	0.1	0
77	The Fab portion of immunoglobulin G contributes to its binding to Fc γ 3 receptor III. <i>Scientific Reports</i> , 2019, 9, 11957.	1.6	35
78	ER subtype selectivity of m-carborane-containing phenols: C-alkyl groups on the m-carborane cage enhance ER α selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2290-2293.	1.0	4
79	Selective and competitive inhibition of kynurenine aminotransferase 2 by glycyrrhizic acid and its analogues. <i>Scientific Reports</i> , 2019, 9, 10243.	1.6	15
80	Newly developed Laboratory-based Size exclusion chromatography Small-angle x-ray scattering System (La-SSS). <i>Scientific Reports</i> , 2019, 9, 12610.	1.6	21
81	Three dimensional structures of putative, primitive proteins to investigate the origin of homochirality. <i>Scientific Reports</i> , 2019, 9, 11594.	1.6	11
82	Generation of the heterogeneity of extracellular vesicles by membrane organization and sorting machineries. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 681-691.	1.1	20
83	Molecular and Structural Basis of the Proteasome β Subunit Assembly Mechanism Mediated by the Proteasome-Assembling Chaperone PAC3-PAC4 Heterodimer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2231.	1.8	15
84	Mutational and Combinatorial Control of Self-Assembling and Disassembling of Human Proteasome β Subunits. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2308.	1.8	6
85	Computational Studies on Water-Catalyzed Mechanisms for Stereo-inversion of Glutarimide Intermediates Formed from Glutamic Acid Residues in Aqueous Phase. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2410.	1.8	2
86	GlcNAc6ST3 is a keratan sulfate sulfotransferase for the protein-tyrosine phosphatase PTPRZ in the adult brain. <i>Scientific Reports</i> , 2019, 9, 4387.	1.6	18
87	Possible Mechanisms of Nonenzymatic Formation of Dehydroalanine Residue Catalyzed by Dihydrogen Phosphate Ion. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3147-3155.	1.2	12
88	SDS-induced oligomerization of Lys49-phospholipase A2 from snake venom. <i>Scientific Reports</i> , 2019, 9, 2330.	1.6	15
89	The protective effect of silk fibroin on high glucose induced insulin resistance in HepG2 cells. <i>Environmental Toxicology and Pharmacology</i> , 2019, 69, 66-71.	2.0	11
90	N-glycome inheritance from cells to extracellular vesicles in B16 melanomas. <i>FEBS Letters</i> , 2019, 593, 942-951.	1.3	13

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91	Computational Studies on the Nonenzymatic Deamidation Mechanisms of Glutamine Residues. ACS Omega, 2019, 4, 3508-3513.	1.6	17
92	Cooperative Binding of KaiB to the KaiC Hexamer Ensures Accurate Circadian Clock Oscillation in Cyanobacteria. International Journal of Molecular Sciences, 2019, 20, 4550.	1.8	18
93	Structural basis of nucleosome assembly by the Abo1 AAA+ATPase histone chaperone. Nature Communications, 2019, 10, 5764.	5.8	36
94	Effects of a Hydrophilic/Hydrophobic Interface on Amyloid- β Peptides Studied by Molecular Dynamics Simulations and NMR Experiments. Journal of Physical Chemistry B, 2019, 123, 160-169.	1.2	36
95	Enabling adoption of 2D-NMR for the higher order structure assessment of monoclonal antibody therapeutics. MABs, 2019, 11, 94-105.	2.6	67
96	ATP hydrolysis by KaiC promotes its KaiA binding in the cyanobacterial circadian clock system. Life Science Alliance, 2019, 2, e201900368.	1.3	14
97	Structural Biology of Glycans. , 2019, , 35-63.		0
98	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.	3.3	43
99	Backbone ^1H , ^{13}C , and ^{15}N assignments of the extracellular region of human Fc γ 3 receptor IIIb. Biomolecular NMR Assignments, 2018, 12, 201-204.	0.4	3
100	Stable isotope labeling approaches for NMR characterization of glycoproteins using eukaryotic expression systems. Journal of Biomolecular NMR, 2018, 71, 193-202.	1.6	38
101	Computational studies on the water-catalyzed stereoinversion mechanism of glutamic acid residues in peptides and proteins. Chirality, 2018, 30, 527-535.	1.3	5
102	Site-specific N-glycosylation analysis of soluble Fc γ 3 receptor IIIb in human serum. Scientific Reports, 2018, 8, 2719.	1.6	21
103	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.	1.0	5
104	Comparison of the activation energy barrier for succinimide formation from β - and γ -aspartic acid residues obtained from density functional theory calculations. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 759-766.	1.1	16
105	α -glycan structures of human alveoli provide insight into influenza A virus infection and pathogenesis. FEBS Journal, 2018, 285, 1611-1634.	2.2	31
106	Lewis X-Carrying Neoglycolipids Evoke Selective Apoptosis in Neural Stem Cells. Neurochemical Research, 2018, 43, 212-218.	1.6	0
107	Solution NMR views of dynamical ordering of biomacromolecules. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 287-306.	1.1	26
108	Technical Basis for Nuclear Magnetic Resonance Approach for Glycoproteins. , 2018, , 415-438.		9

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109	Structural insights on the dynamics of proteasome formation. <i>Biophysical Reviews</i> , 2018, 10, 597-604.	1.5	11
110	Biophysical exploration of dynamical ordering of biomolecular systems. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 211.	1.1	1
111	Structure and Dynamics of Immunoglobulin G Glycoproteins. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 219-235.	0.8	8
112	Structural Aspects of ER Glycoprotein Quality-Control System Mediated by Glucose Tagging. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 149-169.	0.8	8
113	Potent Antimalarial Activity of Two Arenes Linked with Triamine Designed To Have Multiple Interactions with Heme. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 980-985.	1.3	11
114	Expression, Functional Characterization, and Preliminary Crystallization of the Cochaperone Prefoldin from the Thermophilic Fungus <i>Chaetomium thermophilum</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2452.	1.8	4
115	Design and synthesis of a 4-aminoquinoline-based molecular tweezer that recognizes protoporphyrin IX and iron(III) protoporphyrin IX and its application as a supramolecular photosensitizer. <i>Chemical Science</i> , 2018, 9, 7455-7467.	3.7	15
116	Molecular Dynamics of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 411-417.	0.4	0
117	Theoretical and Experimental Studies on Inclusion Complexes of Pinostrobin and β -Cyclodextrins. <i>Scientia Pharmaceutica</i> , 2018, 86, 5.	0.7	18
118	The interactions between iron and copper in genetic iron overload syndromes and primary copper toxicoses in Japan. <i>Hepatology Research</i> , 2018, 48, 679-691.	1.8	6
119	Ganglioside-Mediated Assembly of Amyloid β -Protein: Roles in Alzheimer's Disease. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 413-434.	0.9	35
120	Functional roles of glycoconjugates in the maintenance of stemness and differentiation process of neural stem cells. <i>Glycoconjugate Journal</i> , 2017, 34, 757-763.	1.4	12
121	Crystal structure of human proteasome assembly chaperone PAC4 involved in proteasome formation. <i>Protein Science</i> , 2017, 26, 1080-1085.	3.1	12
122	Investigation of substrate recognition for cytochrome P450 1A2 mediated by water molecules using docking and molecular dynamics simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 74, 326-336.	1.3	16
123	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.	0.5	23
124	N-Glycan Modification of a Recombinant Protein via Coexpression of Human Glycosyltransferases in Silkworm Pupae. <i>Scientific Reports</i> , 2017, 7, 1409.	1.6	19
125	Lectin microarray analysis of isolated polysaccharides from <i>Sasa veitchii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1687-1689.	0.6	1
126	Alteration of a recombinant protein N-glycan structure in silkworms by partial suppression of N-acetylglucosaminidase gene expression. <i>Biotechnology Letters</i> , 2017, 39, 1299-1308.	1.1	2

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127	GlcNAc6ST-1 regulates sulfation of N-glycans and myelination in the peripheral nervous system. <i>Scientific Reports</i> , 2017, 7, 42257.	1.6	16
128	Hyper-Assembly of Self-Assembled Glycoclusters Mediated by Specific Carbohydrate-Carbohydrate Interactions. <i>Chemistry - an Asian Journal</i> , 2017, 12, 968-972.	1.7	11
129	Conformational Analysis of a High-Mannose-Type Oligosaccharide Displaying Glucosyl Determinant Recognised by Molecular Chaperones Using NMR-Validated Molecular Dynamics Simulation. <i>ChemBioChem</i> , 2017, 18, 396-401.	1.3	26
130	Conformational effects of N-glycan core fucosylation of immunoglobulin G Fc region on its interaction with Fc γ 3 receptor IIIa. <i>Scientific Reports</i> , 2017, 7, 13780.	1.6	57
131	Characterization of conformational deformation-coupled interaction between immunoglobulin G1 Fc glycoprotein and a low-affinity Fc γ 3 receptor by deuteration-assisted small-angle neutron scattering. <i>Biochemistry and Biophysics Reports</i> , 2017, 12, 1-4.	0.7	12
132	Visualisation of a flexible modular structure of the ER folding-sensor enzyme UGGT. <i>Scientific Reports</i> , 2017, 7, 12142.	1.6	36
133	Two-step process for disassembly mechanism of proteasome β 5 homo-tetradecamer by β 6 revealed by high-speed atomic force microscopy. <i>Scientific Reports</i> , 2017, 7, 15373.	1.6	14
134	Interactions Controlling the Slow Dynamic Conformational Motions of Ubiquitin. <i>Molecules</i> , 2017, 22, 1414.	1.7	3
135	NMR Detection of Semi-Specific Antibody Interactions in Serum Environments. <i>Molecules</i> , 2017, 22, 1619.	1.7	13
136	Validation of Molecular Dynamics Simulations for Prediction of Three-Dimensional Structures of Small Proteins. <i>Molecules</i> , 2017, 22, 1716.	1.7	49
137	O-GlcNAc on NOTCH1 EGF repeats regulates ligand-induced Notch signaling and vascular development in mammals. <i>ELife</i> , 2017, 6, .	2.8	82
138	Stable Isotope Labeling of Glycoproteins for NMR Study. <i>New Developments in NMR</i> , 2017, , 194-207.	0.1	5
139	Formation of the chaperonin complex studied by 2D NMR spectroscopy. <i>PLoS ONE</i> , 2017, 12, e0187022.	1.1	0
140	Membrane-Induced Dichotomous Conformation of Amyloid β 2 with the Disordered N-Terminal Segment Followed by the Stable C-Terminal β 2 Structure. <i>PLoS ONE</i> , 2016, 11, e0146405.	1.1	18
141	Direct Mapping of Additional Modifications on Phosphorylated O-glycans of β 1-Dystroglycan by Mass Spectrometry Analysis in Conjunction with Knocking Out of Causative Genes for Dystroglycanopathy. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3424-3434.	2.5	25
142	Interaction mode between catalytic and regulatory subunits in glucosidase II involved in ER glycoprotein quality control. <i>Protein Science</i> , 2016, 25, 2095-2101.	3.1	16
143	Mass Spectrometric Characterization of HIV-1 Reverse Transcriptase Interactions with Non-nucleoside Reverse Transcriptase Inhibitors. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 450-454.	0.6	5
144	Structural basis for two-step glucose trimming by glucosidase II involved in ER glycoprotein quality control. <i>Scientific Reports</i> , 2016, 6, 20575.	1.6	31

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145	New insight into the dynamical system of β -crystallin oligomers. <i>Scientific Reports</i> , 2016, 6, 29208.	1.6	32
146	Structural characterization of the circadian clock protein complex composed of KaiB and KaiC by inverse contrast-matching small-angle neutron scattering. <i>Scientific Reports</i> , 2016, 6, 35567.	1.6	24
147	Application of Site-specific Spin Labeling for NMR Detecting Inhibitor-induced Conformational Change of HIV-1 Reverse Transcriptase. <i>ChemMedChem</i> , 2016, 11, 363-366.	1.6	15
148	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. <i>Glycoconjugate Journal</i> , 2016, 33, 405-415.	1.4	25
149	Isotope effect on the circular dichroism spectrum of methyl β -D-glucopyranoside in aqueous solution. <i>Scientific Reports</i> , 2016, 5, 17900.	1.6	9
150	NMR Explorations of Biomolecular Systems with Rapid Conformational Exchanges. , 2016, , 87-103.		1
151	Disassembly of the self-assembled, double-ring structure of proteasome β 7 homo-tetradecamer by β 6. <i>Scientific Reports</i> , 2015, 5, 18167.	1.6	23
152	NMR characterization of HIV-1 reverse transcriptase binding to various non-nucleoside reverse transcriptase inhibitors with different activities. <i>Scientific Reports</i> , 2015, 5, 15806.	1.6	13
153	Structural basis of redox-dependent substrate binding of protein disulfide isomerase. <i>Scientific Reports</i> , 2015, 5, 13909.	1.6	27
154	Ectopic clustering of Cajal-Retzius and subplate cells is an initial pathological feature in Pomgnt2-knockout mice, a model of dystroglycanopathy. <i>Scientific Reports</i> , 2015, 5, 11163.	1.6	18
155	A Hybrid Strategy for the Preparation of ^{13}C -labeled High-mannose-type Oligosaccharides with Terminal Glucosylation for NMR Study. <i>Chemistry Letters</i> , 2015, 44, 1744-1746.	0.7	12
156	A Self-Assembled Spherical Complex Displaying a Gangliosidic Glycan Cluster Capable of Interacting with Amyloidogenic Proteins. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8435-8439.	7.2	38
157	Emerging Structural Insights into Glycoprotein Quality Control Coupled with N-Glycan Processing in the Endoplasmic Reticulum. <i>Molecules</i> , 2015, 20, 2475-2491.	1.7	37
158	Importance of the Side Chain at Position 296 of Antibody Fc in Interactions with Fc γ RIIIa and Other Fc γ Receptors. <i>PLoS ONE</i> , 2015, 10, e0140120.	1.1	25
159	Structural basis for amyloidogenic peptide recognition by sorLA. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 199-206.	3.6	55
160	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. <i>Journal of Biological Chemistry</i> , 2015, 290, 2137-2149.	1.6	35
161	Conformational Dynamics of Oligosaccharides Characterized by Paramagnetism-Assisted NMR Spectroscopy in Conjunction with Molecular Dynamics Simulation. <i>Advances in Experimental Medicine and Biology</i> , 2015, 842, 217-230.	0.8	16
162	Glycan structure and serum half-life of recombinant CTLA4Ig, an immunosuppressive agent, expressed in suspension-cultured rice cells with coexpression of human β 1,4-galactosyltransferase and human CTLA4Ig. <i>Glycoconjugate Journal</i> , 2015, 32, 161-172.	1.4	8

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163	Stable isotope labeling of glycoprotein expressed in silkworms using immunoglobulin G as a test molecule. <i>Journal of Biomolecular NMR</i> , 2015, 62, 157-167.	1.6	13
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