

# Atsushi Kuno

## List of Publications by Year in descending order

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141  
papers

6,521  
citations

50276

46  
h-index

71685

76  
g-index

147  
all docs

147  
docs citations

147  
times ranked

5571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evanescent-field fluorescence-assisted lectin microarray: a new strategy for glycan profiling. <i>Nature Methods</i> , 2005, 2, 851-856.	19.0	481
2	A serum <i>Wisteria floribunda</i> protein facilitates fibrosis evaluation and therapy assessment in patients with viral hepatitis. <i>Scientific Reports</i> , 2013, 3, 1065.	3.3	292
3	Lectin microarrays: concept, principle and applications. <i>Chemical Society Reviews</i> , 2013, 42, 4443.	38.1	254
4	Elevated serum levels of <i>Wisteria floribunda</i> agglutinin-positive human Mac-2 binding protein predict the development of hepatocellular carcinoma in hepatitis C patients. <i>Hepatology</i> , 2014, 60, 1563-1570.	7.3	202
5	Visualization of Galectin-3 Oligomerization on the Surface of Neutrophils and Endothelial Cells Using Fluorescence Resonance Energy Transfer. <i>Journal of Biological Chemistry</i> , 2007, 282, 1374-1383.	3.4	198
6	Inhibition of tumor cell-induced platelet aggregation using a novel anti-podoplanin antibody reacting with its platelet-aggregation-stimulating domain. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1301-1307.	2.1	195
7	A novel strategy for mammalian cell surface glycome profiling using lectin microarray. <i>Glycobiology</i> , 2007, 17, 1138-1146.	2.5	165
8	A strategy for discovery of cancer glyco-biomarkers in serum using newly developed technologies for glycoproteomics. <i>FEBS Journal</i> , 2010, 277, 95-105.	4.7	158
9	A novel serum marker, glycosylated <i>Wisteria floribunda</i> agglutinin-positive Mac-2 binding protein (WFA+M2BP), for assessing liver fibrosis. <i>Journal of Gastroenterology</i> , 2015, 50, 76-84.	5.1	148
10	Association between <i>Wisteria floribunda</i> agglutinin-positive Mac-2 binding protein and the fibrosis stage of non-alcoholic fatty liver disease. <i>Journal of Gastroenterology</i> , 2015, 50, 776-784.	5.1	141
11	Mac-2 binding protein glycan isomer (M2BPGi) is a new serum biomarker for assessing liver fibrosis: more than a biomarker of liver fibrosis. <i>Journal of Gastroenterology</i> , 2018, 53, 819-826.	5.1	125
12	Protein kinase C protects preconditioned rabbit hearts by increasing sensitivity of adenosine A2b-dependent signaling during early reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 262-271.	1.9	113
13	Crystal structure of <i>Streptomyces olivaceoviridis</i> E-86 $\beta$ -xylanase containing xylan-binding domain. <i>Journal of Molecular Biology</i> , 2000, 300, 575-585.	4.2	106
14	Focused Differential Glycan Analysis with the Platform Antibody-assisted Lectin Profiling for Glycan-related Biomarker Verification. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 99-108.	3.8	102
15	Polylectosamine on glycoproteins influences basal levels of lymphocyte and macrophage activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15829-15834.	7.1	101
16	Functional glycosylation of human podoplanin: Glycan structure of platelet aggregation-inducing factor. <i>FEBS Letters</i> , 2007, 581, 331-336.	2.8	96
17	<i>Wisteria floribunda</i> agglutinin-positive mucin 1 is a sensitive biliary marker for human cholangiocarcinoma. <i>Hepatology</i> , 2010, 52, 174-182.	7.3	92
18	Engineering of mucin-type human glycoproteins in yeast cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3232-3237.	7.1	86

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19	Purification, characterization and gene cloning of two $\alpha$ -L-arabinofuranosidases from <i>Streptomyces chartreusis</i> GS901. <i>Biochemical Journal</i> , 2000, 346, 9-15.	3.7	82
20	Crystal structures of the sugar complexes of <i>Streptomyces olivaceoviridis</i> E-86 xylanase: sugar binding structure of the family 13 carbohydrate binding module. <i>Journal of Molecular Biology</i> , 2002, 316, 65-78.	4.2	81
21	Crystal Structures of Decorated Xylooligosaccharides Bound to a Family 10 Xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>Journal of Biological Chemistry</i> , 2004, 279, 9606-9614.	3.4	80
22	Reconstruction of a robust glycodiagnostic agent supported by multiple lectin-assisted glycan profiling. <i>Proteomics - Clinical Applications</i> , 2013, 7, 642-647.	1.6	80
23	An Exo- $\beta$ -1,3-galactanase Having a Novel $\beta$ -1,3-Galactan-binding Module from <i>Phanerochaete chrysosporium</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 25820-25829.	3.4	79
24	A hepatitis C virus (HCV) internal ribosome entry site (IRES) domain III-IV-targeted aptamer inhibits translation by binding to an apical loop of domain III. <i>Nucleic Acids Research</i> , 2005, 33, 683-692.	14.5	77
25	Lectin microarray analysis of pluripotent and multipotent stem cells. <i>Genes To Cells</i> , 2011, 16, 1-11.	1.2	77
26	Lectin-based structural glycomics: A practical approach to complex glycans. <i>Electrophoresis</i> , 2011, 32, 1118-1128.	2.4	71
27	Hepatic stellate cells secreting WFA <sup>+</sup> $\alpha$ -M2BP: Its role in biological interactions with Kupffer cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017, 32, 1387-1393.	2.8	71
28	Strategy for Glycoproteomics: Identification of Glyco-Alteration Using Multiple Glycan Profiling Tools. <i>Journal of Proteome Research</i> , 2009, 8, 1358-1367.	3.7	70
29	Multilectin Assay for Detecting Fibrosis-Specific Glyco-Alteration by Means of Lectin Microarray. <i>Clinical Chemistry</i> , 2011, 57, 48-56.	3.2	68
30	Mechanism by which the lectin actinohivin blocks HIV infection of target cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15633-15638.	7.1	67
31	Serum <i>Wisteria floribunda</i> Agglutinin-Positive Mac-2 Binding Protein Values Predict the Development of Hepatocellular Carcinoma among Patients with Chronic Hepatitis C after Sustained Virological Response. <i>PLoS ONE</i> , 2015, 10, e0129053.	2.5	67
32	Development of an all-in-one technology for glycan profiling targeting formalin-embedded tissue sections. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 259-263.	2.1	66
33	Application of Lectin Microarray to Crude Samples: Differential Glycan Profiling of Lec Mutants. <i>Journal of Biochemistry</i> , 2006, 139, 323-327.	1.7	64
34	A unique N-glycan on human transferrin in CSF: a possible biomarker for iNPH. <i>Neurobiology of Aging</i> , 2012, 33, 1807-1815.	3.1	62
35	Serum WFA <sup>+</sup> $\alpha$ -M2BP levels for evaluation of early stages of liver fibrosis in patients with chronic hepatitis B virus infection. <i>Liver International</i> , 2017, 37, 35-44.	3.9	61
36	Tailoring a Novel Sialic Acid-Binding Lectin from a Ricin-B Chain-like Galactose-Binding Protein by Natural Evolution-Mimicry. <i>Journal of Biochemistry</i> , 2006, 141, 389-399.	1.7	60

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37	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. <i>Journal of Proteome Research</i> , 2018, 17, 4097-4112.	3.7	60
38	RNA Aptamers Targeted to Domain II of Hepatitis C Virus IRES That Bind to Its Apical Loop Region. <i>Journal of Biochemistry</i> , 2003, 133, 263-270.	1.7	56
39	<i>Wisteria floribunda</i> agglutinin positive human Mac-2-binding protein as a predictor of hepatocellular carcinoma development in chronic hepatitis C patients. <i>Hepatology Research</i> , 2015, 45, E82-8.	3.4	55
40	Optimization of evanescent-field fluorescence-assisted lectin microarray for high-sensitivity detection of monovalent oligosaccharides and glycoproteins. <i>Proteomics</i> , 2008, 8, 3042-3050.	2.2	53
41	Clinicopathological characteristics and diagnostic performance of <i>Wisteria floribunda</i> agglutinin positive Mac-2-binding protein as a preoperative serum marker of liver fibrosis in hepatocellular carcinoma. <i>Journal of Gastroenterology</i> , 2015, 50, 1134-1144.	5.1	53
42	Glycoproteomic Discovery of Serological Biomarker Candidates for HCV/HBV Infection-Associated Liver Fibrosis and Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2013, 12, 2630-2640.	3.7	52
43	Î²3GnT2 (B3GNT2), a Major Polylactosamine Synthase: Analysis of B3gnt2-Deficient Mice. <i>Methods in Enzymology</i> , 2010, 479, 185-204.	1.0	50
44	Evidence that <i>Agaricus bisporus</i> agglutinin (ABA) has dual sugar-binding specificity. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 215-220.	2.1	49
45	Influenza A Virus-Induced Expression of a GalNAc Transferase, GALNT3, via MicroRNAs Is Required for Enhanced Viral Replication. <i>Journal of Virology</i> , 2016, 90, 1788-1801.	3.4	48
46	A standardized method for lectin microarray-based tissue glycome mapping. <i>Scientific Reports</i> , 2017, 7, 43560.	3.3	48
47	Infarct limitation by a protein kinase G activator at reperfusion in rabbit hearts is dependent on sensitizing the heart to A2b agonists by protein kinase C. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1288-H1295.	3.2	47
48	Glycoproteomics-based cancer marker discovery adopting dual enrichment with <i>Wisteria floribunda</i> agglutinin for high specific glyco-diagnosis of cholangiocarcinoma. <i>Journal of Proteomics</i> , 2013, 85, 1-11.	2.4	46
49	Lectin Microarray-Based Sero-Biomarker Verification Targeting Aberrant <i>O</i> -Linked Glycosylation on Mucin 1. <i>Analytical Chemistry</i> , 2015, 87, 7274-7281.	6.5	46
50	Directed Evolution of Lectins with Sugar-binding Specificity for 6-Sulfo-galactose. <i>Journal of Biological Chemistry</i> , 2012, 287, 20313-20320.	3.4	45
51	Purification and Characterization of a Family G/11 Î²-Xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000, 64, 447-451.	1.3	44
52	The family 42 carbohydrate-binding module of family 54 Î±-L-arabinofuranosidase specifically binds the arabinofuranose side chain of hemicellulose. <i>Biochemical Journal</i> , 2006, 399, 503-511.	3.7	44
53	Characterization of an Exo-Î²-1,3-Galactanase from <i>Clostridium thermocellum</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 3515-3523.	3.1	43
54	A Versatile Technology for Cellular Glycomics Using Lectin Microarray. <i>Methods in Enzymology</i> , 2010, 478, 181-195.	1.0	43

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55	PCR cloning and expression of the family xylanase gene from <i>Streptomyces olivaceoviridis</i> E-86. <i>Journal of Bioscience and Bioengineering</i> , 1998, 86, 434-439.	0.9	42
56	Development and Applications of the Lectin Microarray. <i>Topics in Current Chemistry</i> , 2014, 367, 105-124.	4.0	42
57	Purification and Characterization of the Recombinant <i>Thermus</i> sp. Strain T2 $\beta$ -Galactosidase Expressed in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 1601-1606.	3.1	40
58	Development of a Lectin Microarray Based on an Evanescent-Field Fluorescence Principle. <i>Methods in Enzymology</i> , 2006, 415, 341-351.	1.0	40
59	Synthesis of a novel histidine analogue and its efficient incorporation into a protein in vivo. <i>Protein Engineering, Design and Selection</i> , 2003, 16, 699-706.	2.1	36
60	LecT-hepa, a glyco-marker derived from multiple lectins, as a predictor of liver fibrosis in chronic hepatitis C patients. <i>Hepatology</i> , 2012, 56, 1448-1456.	7.3	35
61	Development of a Data-mining System for Differential Profiling of Cell Glycoproteins Based on Lectin Microarray. <i>Journal of Proteomics and Bioinformatics</i> , 2008, 01, 068-072.	0.4	35
62	Novel Glycobiomarker for Ovarian Cancer That Detects Clear Cell Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 1624-1635.	3.7	34
63	Lectin microarray technology identifies specific lectins related to lymph node metastasis of advanced gastric cancer. <i>Gastric Cancer</i> , 2016, 19, 531-542.	5.3	33
64	Glycoproteomics Approach for Identifying Glycobiomarker Candidate Molecules for Tissue Type Classification of Non-small Cell Lung Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4705-4716.	3.7	32
65	An investigation of the nature and function of module 10 in a family F/10 xylanase FXYN of <i>Streptomyces olivaceoviridis</i> E-86 by module shuffling with the Cex of <i>Cellulomonas fimi</i> and by site-directed mutagenesis. <i>FEBS Letters</i> , 1999, 460, 61-66.	2.8	31
66	Application of a Glycoproteomics-Based Biomarker Development Method: Alteration in Glycan Structure on Colony Stimulating Factor 1 Receptor as a Possible Glycobiomarker Candidate for Evaluation of Liver Cirrhosis. <i>Journal of Proteome Research</i> , 2014, 13, 1428-1437.	3.7	31
67	Structure and Function of a Family 10 $\beta$ -Xylanase Chimera of <i>Streptomyces olivaceoviridis</i> E-86 FXYN and <i>Cellulomonas fimi</i> Cex. <i>Journal of Biological Chemistry</i> , 2004, 279, 26619-26626.	3.4	30
68	LecT-Hepa: A triplex lectin-antibody sandwich immunoassay for estimating the progression dynamics of liver fibrosis assisted by a bedside clinical chemistry analyzer and an automated pretreatment machine. <i>Clinica Chimica Acta</i> , 2011, 412, 1767-1772.	1.1	30
69	Purification, characterization and gene cloning of two $\beta$ -L-arabinofuranosidases from <i>Streptomyces chartreusis</i> GS901. <i>Biochemical Journal</i> , 2000, 346, 9.	3.7	30
70	Purification, characterization and gene cloning of two $\alpha$ -L-arabinofuranosidases from <i>Streptomyces chartreusis</i> GS901. <i>Biochemical Journal</i> , 2000, 346 Pt 1, 9-15.	3.7	29
71	Novel sugar-binding specificity of the type XIII xylan-binding domain of a family F/10 xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>FEBS Letters</i> , 2000, 482, 231-236.	2.8	27
72	Engineering a versatile tandem repeat-type $\beta$ -2-6sialic acid-binding lectin. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 204-209.	2.1	26

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73	Regulation of adult neural progenitor cells by Galectin-1/Î²1 Integrin interaction. <i>Journal of Neurochemistry</i> , 2010, 113, 1516-1524.	3.9	26
74	O-Glycan-Altered Extracellular Vesicles: A Specific Serum Marker Elevated in Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 2469.	3.7	26
75	Sugar-complex structures of the C-half domain of the galactose-binding lectin EW29 from the earthworm <i>Lumbricus terrestris</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 49-57.	2.5	25
76	Differential Glycan Profiling by Lectin Microarray Targeting Tissue Specimens. <i>Methods in Enzymology</i> , 2010, 478, 165-179.	1.0	25
77	Significant enhancement in the binding of p-nitrophenyl-Î²-d-xylobioside by the E128H mutant F/10 xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>FEBS Letters</i> , 1999, 450, 299-305.	2.8	24
78	Module shuffling of a family F/10 xylanase: replacement of modules M4 and M5 of the FXYN of <i>Streptomyces olivaceoviridis</i> E-86 with those of the Cex of <i>Cellulomonas fimi</i> . <i>Protein Engineering, Design and Selection</i> , 2000, 13, 873-879.	2.1	23
79	Substrate Specificity of the Î±-L-Arabinofuranosidase from <i>Trichoderma reesei</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 2205-2210.	1.3	20
80	Comparative Glycomic Analysis of Exosome Subpopulations Derived from Pancreatic Cancer Cell Lines. <i>Journal of Proteome Research</i> , 2020, 19, 2516-2524.	3.7	20
81	Assessment of tumor characteristics based on glycoform analysis of membrane-tethered MUC1. <i>Laboratory Investigation</i> , 2017, 97, 1103-1113.	3.7	20
82	Leucyl/Phenylalanyl-tRNA-Protein Transferase-Mediated Chemoenzymatic Coupling of N-Terminal Arg/Lys Units in Post-translationally Processed Proteins with Non-natural Amino Acids. <i>ChemBioChem</i> , 2006, 7, 1676-1679.	2.6	19
83	Alteration of matrix metalloproteinase-3 O-glycan structure as a biomarker for disease activity of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 112.	3.5	19
84	Discovery of Pancreatic Ductal Adenocarcinoma-Related Aberrant Glycosylations: A Multilateral Approach of Lectin Microarray-Based Tissue Glycomic Profiling With Public Transcriptomic Datasets. <i>Frontiers in Oncology</i> , 2020, 10, 338.	2.8	19
85	Structure of xylan from culms of bamboo grass ( <i>Sasa senanensis</i> Rehd.). <i>Journal of Wood Science</i> , 1998, 44, 457-462.	1.9	18
86	Rational affinity purification of native <i>Streptomyces</i> family 10 xylanase. <i>Journal of Biotechnology</i> , 2004, 110, 137-142.	3.8	18
87	Crystallographic Snapshots of an Entire Reaction Cycle for a Retaining Xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>Journal of Biochemistry</i> , 2009, 146, 61-70.	1.7	16
88	High Throughput ELISAs to Measure a Unique Glycan on Transferrin in Cerebrospinal Fluid: A Possible Extension toward Alzheimer's Disease Biomarker Development. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-5.	2.0	16
89	Glycobiomarker, Fucosylated Short-Form Secretogranin III Levels Are Increased in Serum of Patients with Small Cell Lung Carcinoma. <i>Journal of Proteome Research</i> , 2017, 16, 4495-4505.	3.7	16
90	Lectin microarray analyses reveal host cell-specific glycan profiles of the hemagglutinins of influenza A viruses. <i>Virology</i> , 2019, 527, 132-140.	2.4	16

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91	IgA Nephropathy Caused by Unusual Polymerization of IgA1 with Aberrant N-Glycosylation in a Patient with Monoclonal Immunoglobulin Deposition Disease. <i>PLoS ONE</i> , 2014, 9, e91079.	2.5	16
92	Syntheses of 4-Methylumbelliferyl- $\beta$ -D-Xylobioside and 5-Bromo-3-Indolyl- $\beta$ -D-Xylobioside for Sensitive Detection of Xylanase Activity on Agar Plates. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000, 64, 741-745.	1.3	15
93	Highly Sensitive Glycan Profiling of Hepatitis B Viral Particles and a Simple Method for Dane Particle Enrichment. <i>Analytical Chemistry</i> , 2018, 90, 10196-10203.	6.5	15
94	Crystallization and Preliminary X-Ray Crystallographic Study of <i>Streptomyces olivaceoviridis</i> E-86 $\alpha$ -Xylanase. <i>Journal of Biochemistry</i> , 1997, 121, 826-828.	1.7	14
95	Serum <i>Wisteria floribunda</i> Agglutinin-Positive Sialylated Mucin 1 as a Marker of Progenitor/Biliary Features in Hepatocellular Carcinoma. <i>Scientific Reports</i> , 2017, 7, 244.	3.3	14
96	A novel glycobiomarker, <i>Wisteria floribunda</i> agglutinin macrophage colony-stimulating factor receptor, for predicting carcinogenesis of liver cirrhosis. <i>International Journal of Cancer</i> , 2016, 138, 1462-1471.	5.1	13
97	Structure-based engineering of glucose specificity in a family 10 xylanase from <i>Streptomyces olivaceoviridis</i> E-86. <i>Process Biochemistry</i> , 2012, 47, 358-365.	3.7	12
98	<i>Wisteria floribunda</i> agglutinin-sialylated mucin core polypeptide 1 is a sensitive biomarker for biliary tract carcinoma and intrahepatic cholangiocarcinoma: a multicenter study. <i>Journal of Gastroenterology</i> , 2017, 52, 218-228.	5.1	12
99	Multi-serum glycobiomarkers improves the diagnosis and prognostic prediction of cholangiocarcinoma. <i>Clinica Chimica Acta</i> , 2020, 510, 142-149.	1.1	12
100	LM-GlycomeAtlas Ver. 1.0: A Novel Visualization Tool for Lectin Microarray-Based Glycomic Profiles of Mouse Tissue Sections. <i>Molecules</i> , 2019, 24, 2962.	3.8	11
101	Glycomic Signatures of Plasma IgG Improve Preoperative Prediction of the Invasiveness of Small Lung Nodules. <i>Molecules</i> , 2020, 25, 28.	3.8	11
102	A Combined Strategy for Glycan Profiling: a Model Study with Pyridylaminated Oligosaccharides. <i>Journal of Biochemistry</i> , 2006, 140, 337-347.	1.7	10
103	NMR studies on the interaction of sugars with the C-terminal domain of an $\alpha$ -type lectin from the earthworm <i>Lumbricus terrestris</i> . <i>FEBS Journal</i> , 2009, 276, 2095-2105.	4.7	10
104	Multilectin-assisted fractionation for improved single-dot tissue glycome profiling in clinical glycoproteomics. <i>Molecular BioSystems</i> , 2014, 10, 201-205.	2.9	10
105	Verification of WFA-Sialylated MUC1 as a Sensitive Biliary Biomarker for Human Biliary Tract Cancer. <i>Annals of Surgical Oncology</i> , 2016, 23, 671-677.	1.5	10
106	<i>Wisteria floribunda</i> agglutinin staining for the quantitative assessment of cardiac fibrogenic activity in a mouse model of dilated cardiomyopathy. <i>Laboratory Investigation</i> , 2019, 99, 1749-1765.	3.7	10
107	An Improved Method for Cell Type-Selective Glycomic Analysis of Tissue Sections Assisted by Fluorescence Laser Microdissection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 700.	4.1	10
108	Comparison of LecT-Hepa and FibroScan for assessment of liver fibrosis in hepatitis B virus infected patients with different ALT levels. <i>Clinica Chimica Acta</i> , 2012, 413, 1796-1799.	1.1	9



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109	Development of fluorescent probes for "On-Off" switching based detection of lectin-saccharide interactions. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 389-397.	7.8	9
110	Letter to the editor: <sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N chemical shift assignment of the C-terminal 15 kDa domain of a novel galactose-binding protein from the earthworm <i>Lumbricus terrestris</i> . <i>Journal of Biomolecular NMR</i> , 2004, 30, 377-378.	2.8	8
111	Lectin-dependent inhibition of antigen-antibody reaction: application for measuring <sup>2</sup> ,6-sialylated glycoforms of transferrin. <i>Journal of Biochemistry</i> , 2013, 154, 229-232.	1.7	8
112	Differential Glycan Analysis of an Endogenous Glycoprotein: Toward Clinical Implementation"From Sample Pretreatment to Data Standardization. <i>Methods in Molecular Biology</i> , 2014, 1200, 265-285.	0.9	8
113	<sup>1</sup> H NMR structure and dynamics of the C-terminal domain of <sup>1</sup> R-type lectin from the earthworm <i>Lumbricus terrestris</i> . <i>FEBS Journal</i> , 2013, 280, 70-82.	4.7	7
114	<sup>1</sup> H-glycan structures of <i>Wisteria floribunda</i> agglutinin-positive Mac2 binding protein in the serum of patients with liver fibrosis. <i>Glycobiology</i> , 2021, 31, 1268-1278.	2.5	7
115	Importance of Interactions of the .ALPHA.-Helices in the Catalytic Domain N- and C-Terminals of the Family 10 Xylanase from <i>Streptomyces olivaceoviridis</i> E-86 to the Stability of the Enzyme. <i>Journal of Applied Glycoscience</i> (1999), 2009, 56, 165-171.	0.7	7
116	Substrate Specificity of $\alpha$ -Glucuronidase Isolated from Snail Acetone Powder. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 524-525.	1.3	6
117	Crystallization and preliminary X-ray crystallographic studies of the C-terminal domain of galactose-binding lectin EW29 from the earthworm <i>Lumbricus terrestris</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1895-1896.	2.5	6
118	Lectin Bead Array in a Single Tip Facilitates Fully Automatic Glycoprotein Profiling. <i>Analytical Chemistry</i> , 2019, 91, 11162-11169.	6.5	6
119	Screening siRNAs against host glycosylation pathways to develop novel antiviral agents against hepatitis B virus. <i>Hepatology Research</i> , 2020, 50, 1128-1140.	3.4	6
120	Leucyl/Phenylalanyl (L/F)-tRNA-protein transferase-mediated N-terminal specific labelling of a protein in vitro. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 259-260.	0.3	5
121	Glycans unique to the relapse-prone subset within triple-negative breast cancer as revealed by lectin array-based analysis of surgical specimens. <i>PLoS ONE</i> , 2021, 16, e0250747.	2.5	5
122	Enhanced Azidolysis by the Formation of Stable Ser-His Catalytic Dyad in a Glycoside Hydrolase Family 10 Xylanase Mutant. <i>Journal of Applied Glycoscience</i> (1999), 2018, 65, 1-8.	0.7	4
123	O-glycosylated HBsAg peptide can induce specific antibody neutralizing HBV infection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130020.	2.4	4
124	Overexpression, purification and crystallization of tyrosyl-tRNA synthetase from the hyperthermophilic archaeon <i>Aeropyrum pernix</i> K1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 1003-1005.	0.7	3
125	LM-GlycomeAtlas Ver. 2.0: An Integrated Visualization for Lectin Microarray-based Mouse Tissue Glycome Mapping Data with Lectin Histochemistry. <i>Journal of Proteome Research</i> , 2021, 20, 2069-2075.	3.7	3
126	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1125-1129.	2.2	2



#	ARTICLE	IF	CITATIONS
127	Studies on crenarchaeal tyrosylation accuracy with mutational analyses of tyrosyl-tRNA synthetase and tyrosine tRNA from <i>Aeropyrum pernix</i> . <i>Journal of Biochemistry</i> , 2012, 152, 539-548.	1.7	2
128	C-Terminally tagged NA in replication-competent influenza A viruses reveals differences in glycan profiles between NA and HA. <i>Analyst</i> , 2020, 145, 5845-5853.	3.5	2
129	GlycoBIST: A System for Automatic Glycan Profiling of a Target Protein Using Milliâ€Bead Array in a Tip. <i>Current Protocols in Protein Science</i> , 2020, 99, e103.	2.8	2
130	Lect-Hepa facilitates estimating treatment outcome during interferon therapy in chronic hepatitis C patients. <i>Clinical Proteomics</i> , 2014, 11, 44.	2.1	1
131	<scp>NMR</scp> analysis on the sialic acidâ€binding mechanism of an Râ€type lectin mutant by natural evolutionâ€mimicry. <i>FEBS Letters</i> , 2016, 590, 1720-1728.	2.8	1
132	Application of Glycan-Related Microarrays. , 2021, , 134-148.		1
133	Lectin Microarray. , 2008, , 451-454.		1
134	Tissue Glycome Mapping: Lectin Microarray-Based Differential Glycomic Analysis of Formalin-Fixed Paraffin-Embedded Tissue Sections. <i>Methods in Molecular Biology</i> , 2022, 2460, 161-180.	0.9	1
135	Structural Comparison of the Ricin-type Lectin in the Plant Toxin Ricin and Xylanase. <i>Biochemical Society Transactions</i> , 2000, 28, A417-A417.	3.4	0
136	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N chemical shift assignment of xylan-binding domain from <i>Streptomyces olivaceoviridis</i> E-86 beta-xylanase. <i>Journal of Biomolecular NMR</i> , 2003, 27, 91-92.	2.8	0
137	Serum <i>Wisteria Floribunda</i> agglutinin-positive sialylated mucin 1 as a biomarker of hepatic progenitor cell/biliary features in hepatocellular carcinoma and of recurrence after curative therapy. <i>Journal of Hepatology</i> , 2017, 66, S617.	3.7	0
138	Response to the letter by Dr. Naoya Yamada, and Dr. Koichi Mizuta regarding our manuscript: â€œMac-2 binding protein glycan isomer (M2BPGi) is a new serum biomarker for assessing liver fibrosis: more than a biomarker of liver fibrosisâ€• <i>Journal of Gastroenterology</i> , 2019, 54, 206-207.	5.1	0
139	Abstract 4155: Comprehensive glucan profile exploration of mutated K-ras knockdown in colorectal cancer. , 2012, , .		0
140	Glycan Biomarkers for Cancer and Various Disease. , 2019, , 297-309.		0
141	Structure of the catalytic module and the family 13 carbohydrate binding module of a family 10 xylanase from <i>Streptomyces olivaceoviridis</i> in complex with xylose and galactose. <i>Special Publication - Royal Society of Chemistry</i> , 0, , 106-112.	0.0	0