

# Hiroaki Tateno

## List of Publications by Year in descending order

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166  
papers

5,513  
citations

76196

40  
h-index

98622

67  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5854  
citing authors

#	ARTICLE	IF	CITATIONS
1	C-type lectin Mincle is an activating receptor for pathogenic fungus, <i>Malassezia</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1897-1902.	3.3	367
2	Lectin microarrays: concept, principle and applications. Chemical Society Reviews, 2013, 42, 4443.	18.7	254
3	Glycome Diagnosis of Human Induced Pluripotent Stem Cells Using Lectin Microarray. Journal of Biological Chemistry, 2011, 286, 20345-20353.	1.6	185
4	Galectin-9 Increases Tim-3+ Dendritic Cells and CD8+ T Cells and Enhances Antitumor Immunity via Galectin-9-Tim-3 Interactions. Journal of Immunology, 2008, 181, 7660-7669.	0.4	181
5	A novel strategy for mammalian cell surface glycome profiling using lectin microarray. Glycobiology, 2007, 17, 1138-1146.	1.3	165
6	Mouse Siglec-F and human Siglec-8 are functionally convergent paralogs that are selectively expressed on eosinophils and recognize 6-sulfo-sialyl Lewis X as a preferred glycan ligand. Glycobiology, 2005, 15, 1125-1135.	1.3	153
7	Frontal affinity chromatography: sugar-protein interactions. Nature Protocols, 2007, 2, 2529-2537.	5.5	126
8	Glycoconjugate microarray based on an evanescent-field fluorescence-assisted detection principle for investigation of glycan-binding proteins. Glycobiology, 2008, 18, 789-798.	1.3	124
9	Distinct Endocytic Mechanisms of CD22 (Siglec-2) and Siglec-F Reflect Roles in Cell Signaling and Innate Immunity. Molecular and Cellular Biology, 2007, 27, 5699-5710.	1.1	118
10	Comparative analysis of core-fucose-binding lectins from <i>Lens culinaris</i> and <i>Pisum sativum</i> using frontal affinity chromatography. Glycobiology, 2009, 19, 527-536.	1.3	117
11	Isolation and Characterization of Rhamnose-binding Lectins from Eggs of Steelhead Trout ( <i>Oncorhynchus mykiss</i> ) Homologous to Low Density Lipoprotein Receptor Superfamily. Journal of Biological Chemistry, 1998, 273, 19190-19197.	1.6	114
12	Structural Analysis of the <i>Laetiporus sulphureus</i> Hemolytic Pore-forming Lectin in Complex with Sugars. Journal of Biological Chemistry, 2005, 280, 17251-17259.	1.6	109
13	A Novel Core Fucose-specific Lectin from the Mushroom <i>Pholiota squarrosa</i> . Journal of Biological Chemistry, 2012, 287, 33973-33982.	1.6	101
14	Elimination of Tumorigenic Human Pluripotent Stem Cells by a Recombinant Lectin-Toxin Fusion Protein. Stem Cell Reports, 2015, 4, 811-820.	2.3	94
15	Structural and Quantitative Evidence for Dynamic Glycome Shift on Production of Induced Pluripotent Stem Cells. Molecular and Cellular Proteomics, 2012, 11, 1913-1923.	2.5	84
16	The function of rhamnose-binding lectin in innate immunity by restricted binding to Gb3. Developmental and Comparative Immunology, 2009, 33, 187-197.	1.0	83
17	In Situ trans Ligands of CD22 Identified by Glycan-Protein Photocross-linking-enabled Proteomics. Molecular and Cellular Proteomics, 2010, 9, 1339-1351.	2.5	79
18	Rhamnose-binding Lectins from Steelhead Trout ( <i>Oncorhynchus mykiss</i> ) Eggs Recognize Bacterial Lipopolysaccharides and Lipoteichoic Acid. Bioscience, Biotechnology and Biochemistry, 2002, 66, 604-612.	0.6	78

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19	Dual Specificity of Langerin to Sulfated and Mannosylated Glycans via a Single C-type Carbohydrate Recognition Domain. <i>Journal of Biological Chemistry</i> , 2010, 285, 6390-6400.	1.6	76
20	Lectin-based structural glycomics: A practical approach to complex glycans. <i>Electrophoresis</i> , 2011, 32, 1118-1128.	1.3	71
21	Podocalyxin Is a Glycoprotein Ligand of the Human Pluripotent Stem Cell-Specific Probe rBC2LCN. <i>Stem Cells Translational Medicine</i> , 2013, 2, 265-273.	1.6	70
22	Structural characterization of a rhamnose-binding glycoprotein (lectin) from Spanish mackerel ( <i>Scomberomorus niphonius</i> ) eggs. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 617-629.	1.1	66
23	rBC2LCN, a new probe for live cell imaging of human pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 524-529.	1.0	63
24	Isolation and characterization of L-rhamnose-binding lectins from chum salmon ( <i>Oncorhynchus keta</i> ) eggs. <i>Fisheries Science</i> , 2002, 68, 1352-1366.	0.7	62
25	Crystal Structure of the <i>Marasmius Oreades</i> Mushroom Lectin in Complex with a Xenotransplantation Epitope. <i>Journal of Molecular Biology</i> , 2007, 369, 710-721.	2.0	61
26	The sugar-binding ability of human OS-9 and its involvement in ER-associated degradation. <i>Glycobiology</i> , 2010, 20, 310-321.	1.3	61
27	A Novel Rhamnose-binding Lectin Family from Eggs of Steelhead Trout ( <i>Oncorhynchus mykiss</i> ) with Different Structures and Tissue Distribution. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 1328-1338.	0.6	59
28	Carbohydrate-binding domain of the POMGnT1 stem region modulates <i>O</i> -mannosylation sites of $\alpha$ -dystroglycan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9280-9285.	3.3	59
29	Sugar-Binding Profiles of Chitin-Binding Lectins from the Hevein Family: A Comprehensive Study. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1160.	1.8	59
30	Molecular Cloning, Expression, and Characterization of Novel Hemolytic Lectins from the Mushroom <i>Laetiporus sulphureus</i> , Which Show Homology to Bacterial Toxins. <i>Journal of Biological Chemistry</i> , 2003, 278, 40455-40463.	1.6	56
31	The Lectin Frontier Database (LfDB), and Data Generation Based on Frontal Affinity Chromatography. <i>Molecules</i> , 2015, 20, 951-973.	1.7	56
32	Optimization of evanescent-field fluorescence-assisted lectin microarray for high-sensitivity detection of monovalent oligosaccharides and glycoproteins. <i>Proteomics</i> , 2008, 8, 3042-3050.	1.3	53
33	Structure and binding analysis of <i>Polyporus squamosus</i> lectin in complex with the Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc human-type influenza receptor. <i>Glycobiology</i> , 2011, 21, 973-984.	1.3	53
34	Cloning, expression in <i>Escherichia coli</i> and characterization of the recombinant Neu5Ac $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc-specific high-affinity lectin and its mutants from the mushroom <i>Polyporus squamosus</i> . <i>Biochemical Journal</i> , 2004, 382, 667-675.	1.7	47
35	Role of malectin in Glc <sub>2</sub> Man <sub>9</sub> GlcNAc <sub>2</sub> -dependent quality control of $\alpha$ 1-antitrypsin. <i>Molecular Biology of the Cell</i> , 2011, 22, 3559-3570.	0.9	46
36	Distribution and Molecular Evolution of Rhamnose-binding Lectins in Salmonidae: Isolation and Characterization of Two Lectins from White-spotted Charr ( <i>Salvelinus leucomaenis</i> ) Eggs. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1356-1365.	0.6	45

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37	Directed Evolution of Lectins with Sugar-binding Specificity for 6-Sulfo-galactose. <i>Journal of Biological Chemistry</i> , 2012, 287, 20313-20320.	1.6	45
38	Lectin Structures: Classification Based on the 3-D Structures. <i>Methods in Molecular Biology</i> , 2014, 1200, 579-606.	0.4	45
39	A Novel Therapeutic Strategy for Pancreatic Cancer: Targeting Cell Surface Glycan Using rBC2LC-N Lectin-Drug Conjugate (LDC). <i>Molecular Cancer Therapeutics</i> , 2018, 17, 183-195.	1.9	45
40	Isolation, purification, characterization and glycan-binding profile of a d-galactoside specific lectin from the marine sponge, <i>Halichondria okadaei</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 349-357.	0.7	43
41	A Versatile Technology for Cellular Glycomics Using Lectin Microarray. <i>Methods in Enzymology</i> , 2010, 478, 181-195.	0.4	43
42	Lectin Microarray Reveals Binding Profiles of <i>Lactobacillus casei</i> Strains in a Comprehensive Analysis of Bacterial Cell Wall Polysaccharides. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4539-4546.	1.4	43
43	Development and Applications of the Lectin Microarray. <i>Topics in Current Chemistry</i> , 2014, 367, 105-124.	4.0	42
44	Lectin Engineering, a Molecular Evolutionary Approach to Expanding the Lectin Utilities. <i>Molecules</i> , 2015, 20, 7637-7656.	1.7	42
45	Identification, Characterization and X-ray Crystallographic Analysis of a Novel Type of Mannose-Specific Lectin CGL1 from the Pacific Oyster <i>Crassostrea gigas</i> . <i>Scientific Reports</i> , 2016, 6, 29135.	1.6	41
46	Desulfated galactosaminoglycans are potential ligands for galectins: Evidence from frontal affinity chromatography. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 206-212.	1.0	38
47	SUEL-Related Lectins, a Lectin Family Widely Distributed throughout Organisms. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1141-1144.	0.6	38
48	Human ZG16p recognizes pathogenic fungi through non-self polyvalent mannose in the digestive system. <i>Glycobiology</i> , 2012, 22, 210-220.	1.3	35
49	Purification, Characterization, Molecular Cloning, and Expression of Novel Members of Jacalin-related Lectins from Rhizomes of the True Fern <i>Phlebodium aureum</i> (L) J. Smith (Polypodiaceae). <i>Journal of Biological Chemistry</i> , 2003, 278, 10891-10899.	1.6	34
50	High-resolution structural insights on the sugar-recognition and fusion tag properties of a versatile $\beta$ -trefoil lectin domain from the mushroom <i>Laetiporus sulphureus</i> . <i>Glycobiology</i> , 2011, 21, 1349-1361.	1.3	34
51	Engineering of recombinant <i>Wisteria floribunda</i> agglutinin specifically binding to GalNAc $\beta$ 1,4GlcNAc (LacdiNAc). <i>Glycobiology</i> , 2017, 27, 743-754.	1.3	34
52	Frontal affinity chromatography analysis of constructs of DC $\beta$ SIGN, DC $\beta$ SIGNR and LSEctin extend evidence for affinity to agalactosylated N-glycans. <i>FEBS Journal</i> , 2010, 277, 4010-4026.	2.2	32
53	The Gal $\beta$ 2-(syn)-gauche configuration is required for galectin-recognition disaccharides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 643-651.	1.1	32
54	A medium hyperglycosylated podocalyxin enables noninvasive and quantitative detection of tumorigenic human pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 4069.	1.6	32

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55	Structural Characterization of a Lectin from the Mushroom <i>Marasmius oreades</i> in Complex with the Blood Group B Trisaccharide and Calcium. <i>Journal of Molecular Biology</i> , 2009, 390, 457-466.	2.0	31
56	Mannose-specific lectin from the mushroom <i>Hygrophorus russula</i> . <i>Glycobiology</i> , 2012, 22, 616-629.	1.3	31
57	Engineering of the glycan-binding specificity of <i>Agrocybe cylindracea</i> galectin towards $\alpha(2,3)$ -linked sialic acid by saturation mutagenesis. <i>Journal of Biochemistry</i> , 2011, 150, 545-552.	0.9	30
58	Tailoring GalNAc $\alpha$ 1-3Gal $\beta$ 2-specific lectins from a multi-specific fungal galectin: dramatic change of carbohydrate specificity by a single amino-acid substitution. <i>Biochemical Journal</i> , 2013, 453, 261-270.	1.7	30
59	Integrated analysis of glycan and RNA in single cells. <i>IScience</i> , 2021, 24, 102882.	1.9	30
60	Distinguishing functional exosomes and other extracellular vesicles as a nucleic acid cargo by the anion $\alpha$ exchange method. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12205.	5.5	29
61	<i>Laetiporus sulphureus</i> Lectin and Aerolysin Protein Family. <i>Advances in Experimental Medicine and Biology</i> , 2010, 677, 67-80.	0.8	28
62	Difference in Fine Specificity to Polysaccharides of <i>Candida albicans</i> Mannoprotein between Mouse SIGNR1 and Human DC-SIGN. <i>Infection and Immunity</i> , 2012, 80, 1699-1706.	1.0	28
63	Glycome analysis of extracellular vesicles derived from human induced pluripotent stem cells using lectin microarray. <i>Scientific Reports</i> , 2018, 8, 3997.	1.6	28
64	Plasma and antibody glycomic biomarkers of time to HIV rebound and viral setpoint. <i>Aids</i> , 2020, 34, 681-686.	1.0	26
65	A C-type lectin of <i>Caenorhabditis elegans</i> : Its sugar-binding property revealed by glycoconjugate microarray analysis. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 303-306.	1.0	25
66	Possible linkages between the inner and outer cellular states of human induced pluripotent stem cells. <i>BMC Systems Biology</i> , 2011, 5, S17.	3.0	24
67	Sialylation and fucosylation modulate inflammasome-activating eIF2 Signaling and microbial translocation during HIV infection. <i>Mucosal Immunology</i> , 2020, 13, 753-766.	2.7	24
68	Glycome profiling by lectin microarray reveals dynamic glycan alterations during epidermal stem cell aging. <i>Aging Cell</i> , 2020, 19, e13190.	3.0	23
69	Comprehensive List of Lectins: Origins, Natures, and Carbohydrate Specificities. <i>Methods in Molecular Biology</i> , 2014, 1200, 555-577.	0.4	23
70	S-nitrosylation of mouse galectin-2 prevents oxidative inactivation by hydrogen peroxide. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 712-717.	1.0	22
71	Carbohydrate recognition by the rhamnose $\alpha$ -binding lectin SUL $\alpha$ with a novel three $\alpha$ -domain structure isolated from the venom of globiferous pedicellariae of the flower sea urchin <i>Toxopneustes pileolus</i> . <i>Protein Science</i> , 2017, 26, 1574-1583.	3.1	22
72	Clec10a regulates mite-induced dermatitis. <i>Science Immunology</i> , 2019, 4, .	5.6	22

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73	Isolation and Biochemical Characterization of Apios Tuber Lectin. <i>Molecules</i> , 2015, 20, 987-1002.	1.7	21
74	Tissue-specific Expression of Rhamnose-binding Lectins in the Steelhead Trout ( <i>Oncorhynchus mykiss</i> ). <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1427-1430.	0.6	20
75	Partial identification of carbohydrate-binding sites of a Gal $\alpha$ 1,3Gal $\beta$ 2,4GlcNAc-specific lectin from the mushroom <i>Marasmius oreades</i> by site-directed mutagenesis. <i>Archives of Biochemistry and Biophysics</i> , 2004, 427, 101-109.	1.4	20
76	Strict Binding Specificity of Small-Sized Lectins from the Red Alga <i>Hypnea japonica</i> for Core ( $\beta$ 1-6) Fucosylated N-Glycans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 912-920.	0.6	20
77	Characterization and cloning of GNA-like lectin from the mushroom <i>Marasmius oreades</i> . <i>Glycoconjugate Journal</i> , 2012, 29, 457-465.	1.4	19
78	A C-type lectin isolated from the skin of Japanese bullhead shark ( <i>Heterodontus japonicus</i> ) binds a remarkably broad range of sugars and induces blood coagulation. <i>Journal of Biochemistry</i> , 2015, 157, 345-356.	0.9	19
79	N-Terminal Specific Point Immobilization of Active Proteins by the One-Pot NEXT-A Method. <i>ChemBioChem</i> , 2009, 10, 2460-2464.	1.3	18
80	Conformational change of a unique sequence in a fungal galectin from <i>Agrocybe cylindracea</i> controls glycan ligand-binding specificity. <i>FEBS Letters</i> , 2013, 587, 3620-3625.	1.3	18
81	Mammalian Cell Surface Display as a Novel Method for Developing Engineered Lectins with Novel Characteristics. <i>Biomolecules</i> , 2015, 5, 1540-1562.	1.8	18
82	Structural and quantitative evidence of $\beta$ 6-sialylated N-glycans as markers of the differentiation potential of human mesenchymal stem cells. <i>Glycoconjugate Journal</i> , 2017, 34, 797-806.	1.4	18
83	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.	1.3	18
84	Engineering of a Potent Recombinant Lectin-Toxin Fusion Protein to Eliminate Human Pluripotent Stem Cells. <i>Molecules</i> , 2017, 22, 1151.	1.7	17
85	Terminal N-Acetylgalactosamine-Specific Leguminous Lectin from <i>Wisteria japonica</i> as a Probe for Human Lung Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2013, 8, e83886.	1.1	16
86	A rationally engineered yeast pyruvyltransferase Pvg1p introduces sialylation-like properties in neo-human-type complex oligosaccharide. <i>Scientific Reports</i> , 2016, 6, 26349.	1.6	16
87	Development of a Sensitive Microarray Platform for the Ranking of Galectin Inhibitors: Identification of a Selective Galectin-3 Inhibitor. <i>ChemBioChem</i> , 2017, 18, 2428-2440.	1.3	16
88	Sialyl-LewisX Glycoantigen Is Enriched on Cells with Persistent HIV Transcription during Therapy. <i>Cell Reports</i> , 2020, 32, 107991.	2.9	16
89	Transferrin Biosynthesized in the Brain Is a Novel Biomarker for Alzheimer's Disease. <i>Metabolites</i> , 2021, 11, 616.	1.3	16
90	Assessment of Surface Glycan Diversity on Extracellular Vesicles by Lectin Microarray and Glycoengineering Strategies for Drug Delivery Applications. <i>Small Methods</i> , 2022, 6, e2100785.	4.6	16

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91	Crystallization and preliminary crystallographic analysis of a novel haemolytic lectin from the mushroom <i>Laetiporus sulphureus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1139-1141.	2.5	15
92	6 sialylation is a marker of the differentiation potential of human mesenchymal stem cells. <i>Glycobiology</i> , 2016, 26, cww039.	1.3	15
93	Identification of the cysteine residue responsible for oxidative inactivation of mouse galectin-2. <i>Journal of Biochemistry</i> , 2016, 160, 233-241.	0.9	14
94	The trimeric solution structure and fucose-binding mechanism of the core fucosylation-specific lectin PhoSL. <i>Scientific Reports</i> , 2018, 8, 7740.	1.6	14
95	DCIR and its ligand asialo-biantennary N-glycan regulate DC function and osteoclastogenesis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	14
96	Human C21orf63 is a Heparin-binding Protein. <i>Journal of Biochemistry</i> , 2009, 146, 369-373.	0.9	13
97	Isolation of Rice Bran Lectins and Characterization of Their Unique Behavior in Caco-2 Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1052.	1.8	12
98	Interferon- $\alpha$ alters host glycosylation machinery during treated HIV infection. <i>EBioMedicine</i> , 2020, 59, 102945.	2.7	11
99	Lectin drug conjugate therapy for colorectal cancer. <i>Cancer Science</i> , 2020, 111, 4548-4557.	1.7	11
100	Generation of a monoclonal antibody recognizing the CEACAM glycan structure and inhibiting adhesion using cancer tissue-originated spheroid as an antigen. <i>Scientific Reports</i> , 2016, 6, 24823.	1.6	10
101	Reduced fucosylation in the distal intestinal epithelium of mice subjected to chronic social defeat stress. <i>Scientific Reports</i> , 2018, 8, 13199.	1.6	10
102	CD63-positive extracellular vesicles are potential diagnostic biomarkers of pancreatic ductal adenocarcinoma. <i>BMC Gastroenterology</i> , 2022, 22, 153.	0.8	10
103	Effects of Hemagglutination Activity in the Serum of a Deep-Sea Vent Endemic Crab, <i>Shinkaia Crosnieri</i> , on Non-Symbiotic and Symbiotic Bacteria. <i>Microbes and Environments</i> , 2015, 30, 228-234.	0.7	9
104	rBC2LCN lectin as a potential probe of early-stage HER2-positive breast carcinoma. <i>FEBS Open Bio</i> , 2020, 10, 1056-1064.	1.0	9
105	Mutated Leguminous Lectin Containing a Heparin-Binding like Motif in a Carbohydrate-Binding Loop Specifically Binds to Heparin. <i>PLoS ONE</i> , 2015, 10, e0145834.	1.1	8
106	Engineering of a $\beta$ -sulpho-Gal $\beta$ 1-4GlcNAc-specific probe by a single amino acid substitution of a fungal galectin. <i>Journal of Biochemistry</i> , 2015, 157, 197-200.	0.9	8
107	Mannose-recognition mutant of the galactose/N-acetylgalactosamine-specific C-type lectin CEL-I engineered by site-directed mutagenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1457-1465.	1.1	8
108	Identification, Characterization, and X-ray Crystallographic Analysis of a Novel Type of Lectin AJLec from the Sea Anemone <i>Anthopleura japonica</i> . <i>Scientific Reports</i> , 2018, 8, 11516.	1.6	8



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109	Receptor-destroying enzyme (RDE) from <i>Vibrio cholerae</i> modulates IgE activity and reduces the initiation of anaphylaxis. <i>Journal of Biological Chemistry</i> , 2019, 294, 6659-6669.	1.6	8
110	Structural basis for specific recognition of core fucosylation in N-glycans by <i>Pholiota squarrosa</i> lectin (PhoSL). <i>Glycobiology</i> , 2019, 29, 576-587.	1.3	8
111	Fucose-specific lectin of <i>Aspergillus fumigatus</i> : binding properties and effects on immune response stimulation. <i>Medical Mycology</i> , 2019, 57, 71-83.	0.3	8
112	A technique for removing tumourigenic pluripotent stem cells using rBC2LCN lectin. <i>Regenerative Therapy</i> , 2020, 14, 306-314.	1.4	8
113	Platelet-derived extracellular vesicles are increased in sera of Alzheimer's disease patients, as revealed by Tim4-based assays. <i>FEBS Open Bio</i> , 2021, 11, 741-752.	1.0	8
114	Carbohydrate Recognition Mechanism of the Mushroom Galectin ACG. <i>Trends in Glycoscience and Glycotechnology</i> , 2018, 30, SJ33-SJ46.	0.0	8
115	Generation of monoclonal antibodies against the Gal $\alpha$ 1-4Gal epitope: A key tool in studies of species-specific glycans expressed in fish, amphibians and birds. <i>Glycobiology</i> , 2013, 23, 91-105.	1.3	7
116	A Novel Probe as Surface Glycan Marker of Pluripotent Stem Cells: Research Outcomes and Application to Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2015, 4, 2520-2529.	3.9	7
117	Development of a practical sandwich assay to detect human pluripotent stem cells using cell culture media. <i>Regenerative Therapy</i> , 2017, 6, 1-8.	1.4	7
118	Quantitative structural analysis of glycans expressed within tumors derived from pancreatic cancer patient-derived xenograft mouse models. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 310-316.	1.0	7
119	Carcinoembryonic antigen as a specific glycoprotein ligand of rBC2LCN lectin on pancreatic ductal adenocarcinoma cells. <i>Cancer Science</i> , 2021, 112, 3722-3731.	1.7	7
120	A glycosaminoglycan microarray identifies the binding of SARS-CoV-2 spike protein to chondroitin sulfate E. <i>FEBS Letters</i> , 2021, 595, 2341-2349.	1.3	7
121	Directed Evolution of Lectins by an Improved Error-Prone PCR and Ribosome Display Method. <i>Methods in Molecular Biology</i> , 2014, 1200, 527-538.	0.4	7
122	Self-Assembling Lectin Nano-Block Oligomers Enhance Binding Avidity to Glycans. <i>International Journal of Molecular Sciences</i> , 2022, 23, 676.	1.8	7
123	A Lectin-Based Glycomic Approach to Identify Characteristic Features of <i>Xenopus</i> Embryogenesis. <i>PLoS ONE</i> , 2013, 8, e56581.	1.1	6
124	Investigation of Selective Recognition of Sugars Using Lectin-inspired Temperature-responsive Polymers. <i>Chemistry Letters</i> , 2018, 47, 134-137.	0.7	6
125	Evaluation of Glycan-Binding Specificity by Glycoconjugate Microarray with an Evanescent-Field Fluorescence Detection System. <i>Methods in Molecular Biology</i> , 2014, 1200, 353-359.	0.4	6
126	The therapeutic capacity of bone marrow MSC-derived extracellular vesicles in Achilles tendon healing is passage-dependent and indicated by specific glycans. <i>FEBS Letters</i> , 2022, 596, 1047-1058.	1.3	6



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127	Crystallization and preliminary X-ray crystallographic studies of a lectin from the mushroom <i>Marasmius oreades</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2038-2039.	2.5	5
128	Two carbohydrate recognizing domains from <i>Cycas revoluta</i> leaf lectin show the distinct sugar-binding specificity—A unique manno oligosaccharide recognition by N-terminal domain. <i>Journal of Biochemistry</i> , 2016, 160, 27-35.	0.9	5
129	Application of Lectin Microarray to Bacteria Including <i>Lactobacillus casei/paracasei</i> Strains. <i>Methods in Molecular Biology</i> , 2014, 1200, 295-311.	0.4	5
130	scGR-seq: Integrated analysis of glycan and RNA in single cells. <i>STAR Protocols</i> , 2022, 3, 101179.	0.5	5
131	Profiling the Cell Surface Glycome of Five Fungi Using Lectin Microarray. <i>Journal of Carbohydrate Chemistry</i> , 2011, 30, 147-164.	0.4	4
132	Purification, Characterization, and Molecular Cloning of Lectin from Winter Buds of <i>Lysichiton camtschaticensis</i> (L.) Schott. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 25-33.	0.6	4
133	Molecular Clock Regulates Daily $\pm 1$ 2-Fucosylation of the Neural Cell Adhesion Molecule (NCAM) within Mouse Secondary Olfactory Neurons. <i>Journal of Biological Chemistry</i> , 2014, 289, 36158-36165.	1.6	4
134	Glycan Binding Profiling of Jacalin-Related Lectins from the Pteridophyte Penguin Pearl Shell. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4629.	1.8	4
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