

# Jun Hirabayashi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243  
papers

12,841  
citations

60  
h-index

105  
g-index

247  
ext. papers

13,821  
ext. citations

4.9  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
243	Distinguishing functional exosomes and other extracellular vesicles as a nucleic acid cargo by the anion-exchange method.. <i>Journal of Extracellular Vesicles</i> , <b>2022</b> , 11, e12205	16.4	5
242	Transformation of Agroclybe cylindracea Galectin into GalNAc-Specific Lectin.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2442, 233-245	1.4	
241	DCIR and its ligand asialo-biantennary N-glycan regulate DC function and osteoclastogenesis. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	1
240	Human Milk Oligosaccharides and Innate Immunity <b>2021</b> , 389-439		4
239	Frontal affinity chromatography: A unique approach for weak interaction analysis targeting lectins and oligosaccharides <b>2021</b> , 279-309		
238	Development of Urinary Diagnostic Biomarker for IgA Nephropathy by Lectin Microarray.. <i>American Journal of Nephrology</i> , <b>2021</b> , 1-11	4.6	0
237	A technique for removing tumourigenic pluripotent stem cells using rBC2LCN lectin. <i>Regenerative Therapy</i> , <b>2020</b> , 14, 306-314	3.7	4
236	Preparation and Detection of Glycan-Binding Activity of Influenza Virus. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2132, 567-583	1.4	2
235	Glycan Binding Profiling of Jacalin-Related Lectins from the Pearl Shell. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	1
234	Lectin engineering: the possible and the actual. <i>Interface Focus</i> , <b>2019</b> , 9, 20180068	3.9	22
233	Glycoengineering <b>2019</b> , 145-166		
232	Fucose-specific lectin of <i>Aspergillus fumigatus</i> : binding properties and effects on immune response stimulation. <i>Medical Mycology</i> , <b>2019</b> , 57, 71-83	3.9	4
231	A Novel Therapeutic Strategy for Pancreatic Cancer: Targeting Cell Surface Glycan Using rBC2LC-N Lectin-Drug Conjugate (LDC). <i>Molecular Cancer Therapeutics</i> , <b>2018</b> , 17, 183-195	6.1	30
230	Carbohydrate-Binding Specificity of Human Galectins: An Overview by Frontal Affinity Chromatography. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2018</b> , 30, SE137-SE153	0.1	35
229	Carbohydrate Recognition Mechanism of the Mushroom Galectin ACG. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2018</b> , 30, SJ33-SJ46	0.1	7
228	Carbohydrate-Binding Specificity of Human Galectins: An Overview by Frontal Affinity Chromatography. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2018</b> , 30, SJ65-SJ81	0.1	
227	Human Milk Oligosaccharides as Essential Tools for Basic and Application Studies on Galectins. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2018</b> , 30, SE51-SE65	0.1	72

226	Structural and quantitative evidence of $\alpha$ -6-sialylated N-glycans as markers of the differentiation potential of human mesenchymal stem cells. <i>Glycoconjugate Journal</i> , <b>2017</b> , 34, 797-806	3	13
225	Development of a practical sandwich assay to detect human pluripotent stem cells using cell culture media. <i>Regenerative Therapy</i> , <b>2017</b> , 6, 1-8	3.7	5
224	Carbohydrate recognition by the rhamnose-binding lectin SUL-I with a novel three-domain structure isolated from the venom of globiferous pedicellariae of the flower sea urchin <i>Toxopneustes pileolus</i> . <i>Protein Science</i> , <b>2017</b> , 26, 1574-1583	6.3	12
223	Lectin microarray analysis of isolated polysaccharides from <i>Sasa veitchii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1687-1689	2.1	1
222	Development of a Sensitive Microarray Platform for the Ranking of Galectin Inhibitors: Identification of a Selective Galectin-3 Inhibitor. <i>ChemBioChem</i> , <b>2017</b> , 18, 2428-2440	3.8	15
221	Engineering of recombinant <i>Wisteria floribunda</i> agglutinin specifically binding to GalNAc $\alpha$ 4GlcNAc (LacdiNAc). <i>Glycobiology</i> , <b>2017</b> , 27, 743-754	5.8	21
220	Isolation of Rice Bran Lectins and Characterization of Their Unique Behavior in Caco-2 Cells. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	5
219	Sugar-Binding Profiles of Chitin-Binding Lectins from the Hevein Family: A Comprehensive Study. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	36
218	Lectin microarray technology identifies specific lectins related to lymph node metastasis of advanced gastric cancer. <i>Gastric Cancer</i> , <b>2016</b> , 19, 531-542	7.6	26
217	Carbohydrate-binding domain of the POMGnT1 stem region modulates O-mannosylation sites of Edyostroglycan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9280-5	11.5	38
216	Two carbohydrate recognizing domains from <i>Cycas revoluta</i> leaf lectin show the distinct sugar-binding specificity-A unique mannoooligosaccharide recognition by N-terminal domain. <i>Journal of Biochemistry</i> , <b>2016</b> , 160, 27-35	3.1	5
215	Preparation of Glycan Arrays Using Pyridylaminated Glycans. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1368, 225-35	1.4	7
214	NMR analysis on the sialic acid-binding mechanism of an R-type lectin mutant by natural evolution-mimicry. <i>FEBS Letters</i> , <b>2016</b> , 590, 1720-8	3.8	1
213	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> , <b>2016</b> , 6, 29133	4.9	29
212	A rationally engineered yeast pyruvyltransferase Pvg1p introduces sialylation-like properties in neo-human-type complex oligosaccharide. <i>Scientific Reports</i> , <b>2016</b> , 6, 26349	4.9	7
211	Identification of the cysteine residue responsible for oxidative inactivation of mouse galectin-2. <i>Journal of Biochemistry</i> , <b>2016</b> , 160, 233-241	3.1	13
210	$\alpha$ -6 sialylation is a marker of the differentiation potential of human mesenchymal stem cells. <i>Glycobiology</i> , <b>2016</b> , 26, 1328-1337	5.8	7
209	Lectin engineering, a molecular evolutionary approach to expanding the lectin utilities. <i>Molecules</i> , <b>2015</b> , 20, 7637-56	4.8	35

208	The Lectin Frontier Database (LfDB), and data generation based on frontal affinity chromatography. <i>Molecules</i> , <b>2015</b> , 20, 951-73	4.8	37
207	A Novel Probe as Surface Glycan Marker of Pluripotent Stem Cells: Research Outcomes and Application to Regenerative Medicine. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2520-9	10.1	6
206	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> , <b>2015</b> , 1850, 1457-65	4	5
205	Mammalian Cell Surface Display as a Novel Method for Developing Engineered Lectins with Novel Characteristics. <i>Biomolecules</i> , <b>2015</b> , 5, 1540-62	5.9	14
204	Isolation and biochemical characterization of Apios tuber lectin. <i>Molecules</i> , <b>2015</b> , 20, 987-1002	4.8	19
203	Mutated Leguminous Lectin Containing a Heparin-Binding like Motif in a Carbohydrate-Binding Loop Specifically Binds to Heparin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145834	3.7	8
202	Engineering of a 3'-sulpho-Gal $\beta$ -4GlcNAc-specific probe by a single amino acid substitution of a fungal galectin. <i>Journal of Biochemistry</i> , <b>2015</b> , 157, 197-200	3.1	5
201	Elimination of tumorigenic human pluripotent stem cells by a recombinant lectin-toxin fusion protein. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 811-20	8	80
200	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> , <b>2015</b> , 157, 345-56	3.1	15
199	S-nitrosylation of mouse galectin-2 prevents oxidative inactivation by hydrogen peroxide. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 457, 712-7	3.4	20
198	Development and Applications of the Lectin Microarray. <i>Topics in Current Chemistry</i> , <b>2015</b> , 367, 105-24		31
197	Evaluation of galectin binding by frontal affinity chromatography (FAC). <i>Methods in Molecular Biology</i> , <b>2015</b> , 1207, 63-74	1.4	2
196	Historical and Practical Aspects of Development of Lectin Microarray Technique Lectin microarray <b>2015</b> , 53-60		
195	Discovery and Applications of a Novel Human Pluripotent Stem Cell-Specific Lectin Probe rBC2LCN <b>2015</b> , 95-106		
194	Two jacalin-related lectins from seeds of the African breadfruit ( <i>Treculia africana</i> L.). <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2014</b> , 78, 2036-44	2.1	2
193	A medium hyperglycosylated podocalyxin enables noninvasive and quantitative detection of tumorigenic human pluripotent stem cells. <i>Scientific Reports</i> , <b>2014</b> , 4, 4069	4.9	22
192	The Cellular Glycome of Human Induced Pluripotent Stem Cells and Their Specific Probe rBC2LCN. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2014</b> , 26, 1-10	0.1	1
191	Lectin structures: classification based on the 3-D structures. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 579-606	1.4	34

190	Molecular clock regulates daily $\alpha$ -2-fucosylation of the neural cell adhesion molecule (NCAM) within mouse secondary olfactory neurons. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 36158-65	5.4	3
189	Development of lectin microarray, an advanced system for glycan profiling. <i>Synthesiology</i> , <b>2014</b> , 7, 105-117	1.4	2
188	Lectin-based glycomics: how and when was the technology born?. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 225-42	1.4	13
187	Differential glycan analysis of an endogenous glycoprotein: toward clinical implementation--from sample pretreatment to data standardization. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 265-85	1.4	7
186	Application of lectin microarray to bacteria including <i>Lactobacillus casei/paracasei</i> strains. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 295-311	1.4	4
185	Directed evolution of lectins by an improved error-prone PCR and ribosome display method. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 527-38	1.4	7
184	Comprehensive list of lectins: origins, natures, and carbohydrate specificities. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1200, 555-77	1.4	19
183	Development of lectin microarray, an advanced system for glycan profiling. <i>Synthesiology</i> , <b>2014</b> , 7, 105-117	1.4	1
182	Historical and Practical Aspects of the Development of the Lectin Microarray Technique <b>2014</b> , 1-7		
181	Possible involvement of glycolipids in lectin-mediated cellular transformation of symbiotic microalgae in corals. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2013</b> , 439, 129-135	2.1	13
180	Domain composition of rhamnose-binding lectin from shishamo smelt eggs and its carbohydrate-binding profiles. <i>Fish Physiology and Biochemistry</i> , <b>2013</b> , 39, 1619-30	2.7	17
179	Tailoring GalNAc $\alpha$ -3Gal $\beta$ -specific lectins from a multi-specific fungal galectin: dramatic change of carbohydrate specificity by a single amino-acid substitution. <i>Biochemical Journal</i> , <b>2013</b> , 453, 261-70	3.8	25
178	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> , <b>2013</b> , 85, 1-11	3.9	38
177	Conformational change of a unique sequence in a fungal galectin from <i>Agrocybe cylindracea</i> controls glycan ligand-binding specificity. <i>FEBS Letters</i> , <b>2013</b> , 587, 3620-5	3.8	15
176	rBC2LCN, a new probe for live cell imaging of human pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 431, 524-9	3.4	53
175	Glycoproteomic discovery of serological biomarker candidates for HCV/HBV infection-associated liver fibrosis and hepatocellular carcinoma. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 2630-40	5.6	45
174	NMR structure and dynamics of the C-terminal domain of R-type lectin from the earthworm <i>Lumbricus terrestris</i> . <i>FEBS Journal</i> , <b>2013</b> , 280, 70-82	5.7	7
173	Lectin microarrays: concept, principle and applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4443-58	58.5	208

172	Mammalian galectins bind galactose $\alpha$ -4fucose disaccharide, a unique structural component of protostomial N-type glycoproteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 436, 509-13	3.4	14
171	Analysis of O-glycans as 9-fluorenylmethyl derivatives and its application to the studies on glycan array. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3325-33	7.8	20
170	Generation of monoclonal antibodies against the Gal $\alpha$ -4Gal epitope: a key tool in studies of species-specific glycans expressed in fish, amphibians and birds. <i>Glycobiology</i> , <b>2013</b> , 23, 91-105	5.8	7
169	Podocalyxin is a glycoprotein ligand of the human pluripotent stem cell-specific probe rBC2LCN. <i>Stem Cells Translational Medicine</i> , <b>2013</b> , 2, 265-73	6.9	57
168	A lectin-based glycomic approach to identify characteristic features of <i>Xenopus</i> embryogenesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e56581	3.7	6
167	Terminal N-acetylgalactosamine-specific leguminous lectin from <i>Wisteria japonica</i> as a probe for human lung squamous cell carcinoma. <i>PLoS ONE</i> , <b>2013</b> , 8, e83886	3.7	15
166	Characterization and cloning of GNA-like lectin from the mushroom <i>Marasmius oreades</i> . <i>Glycoconjugate Journal</i> , <b>2012</b> , 29, 457-65	3	18
165	Mannose-specific lectin from the mushroom <i>Hygrophorus russula</i> . <i>Glycobiology</i> , <b>2012</b> , 22, 616-29	5.8	29
164	Human ZG16p recognizes pathogenic fungi through non-self polyvalent mannose in the digestive system. <i>Glycobiology</i> , <b>2012</b> , 22, 210-20	5.8	32
163	A novel core fucose-specific lectin from the mushroom <i>Pholiota squarrosa</i> . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 33973-82	5.4	79
162	Structural and quantitative evidence for dynamic glycome shift on production of induced pluripotent stem cells. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, 1913-23	7.6	68
161	Difference in fine specificity to polysaccharides of <i>Candida albicans</i> mannoprotein between mouse SIGNR1 and human DC-SIGN. <i>Infection and Immunity</i> , <b>2012</b> , 80, 1699-706	3.7	24
160	Purification, characterization, and molecular cloning of lectin from winter buds of <i>Lysichiton camtschatcensis</i> (L.) Schott. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2012</b> , 76, 25-33	2.1	3
159	Directed evolution of lectins with sugar-binding specificity for 6-sulfo-galactose. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 20313-20	5.4	41
158	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> , <b>2011</b> , 412, 1767-72	6.2	26
157	The Gal $\alpha$ (syn)-gauche configuration is required for galectin-recognition disaccharides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2011</b> , 1810, 643-51	4	25
156	Lectin microarray analysis of pluripotent and multipotent stem cells. <i>Genes To Cells</i> , <b>2011</b> , 16, 1-11	2.3	69
155	Possible linkages between the inner and outer cellular states of human induced pluripotent stem cells. <i>BMC Systems Biology</i> , <b>2011</b> , 5 Suppl 1, S17	3.5	19

154	Lectin-based structural glycomics: a practical approach to complex glycans. <i>Electrophoresis</i> , <b>2011</b> , 32, 1118-28	3.6	64
153	Multilectin assay for detecting fibrosis-specific glyco-alteration by means of lectin microarray. <i>Clinical Chemistry</i> , <b>2011</b> , 57, 48-56	5.5	61
152	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> , <b>2011</b> , 77, 4539-46	4.8	36
151	Role of malectin in Glc(2)Man(9)GlcNAc(2)-dependent quality control of $\alpha$ -antitrypsin. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 3559-70	3.5	42
150	Engineering of the glycan-binding specificity of <i>Agrocybe cylindracea</i> galectin towards (2,3)-linked sialic acid by saturation mutagenesis. <i>Journal of Biochemistry</i> , <b>2011</b> , 150, 545-52	3.1	26
149	Galactose recognition by a tetrameric C-type lectin, CEL-IV, containing the EPN carbohydrate recognition motif. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 10305-15	5.4	18
148	Profiling the Cell Surface Glycome of Five Fungi Using Lectin Microarray. <i>Journal of Carbohydrate Chemistry</i> , <b>2011</b> , 30, 147-164	1.7	4
147	Glycome diagnosis of human induced pluripotent stem cells using lectin microarray. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 20345-53	5.4	151
146	Regulation of adult neural progenitor cells by Galectin-1/ $\beta$ 1 Integrin interaction. <i>Journal of Neurochemistry</i> , <b>2010</b> , 113, 1516-24	6	24
145	Frontal affinity chromatography analysis of constructs of DC-SIGN, DC-SIGNR and LSECtin extend evidence for affinity to agalactosylated N-glycans. <i>FEBS Journal</i> , <b>2010</b> , 277, 4010-26	5.7	31
144	Chromatographic and Mass Spectrometric Techniques <b>2010</b> , 161-176		0
143	The sugar-binding ability of human OS-9 and its involvement in ER-associated degradation. <i>Glycobiology</i> , <b>2010</b> , 20, 310-21	5.8	59
142	Dual specificity of Langerin to sulfated and mannosylated glycans via a single C-type carbohydrate recognition domain. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 6390-400	5.4	61
141	Beta3GnT2 (B3GNT2), a major poly lactosamine synthase: analysis of B3GNT2-deficient mice. <i>Methods in Enzymology</i> , <b>2010</b> , 479, 185-204	1.7	41
140	Differential glycan profiling by lectin microarray targeting tissue specimens. <i>Methods in Enzymology</i> , <b>2010</b> , 478, 165-79	1.7	24
139	A versatile technology for cellular glycomics using lectin microarray. <i>Methods in Enzymology</i> , <b>2010</b> , 478, 181-95	1.7	37
138	Toxic isolectins from the mushroom <i>Boletus venenatus</i> . <i>Phytochemistry</i> , <b>2010</b> , 71, 648-57	4	12
137	<i>Wisteria floribunda</i> agglutinin-positive mucin 1 is a sensitive biliary marker for human cholangiocarcinoma. <i>Hepatology</i> , <b>2010</b> , 52, 174-82	11.2	74

136	Human C21orf63 is a heparin-binding protein. <i>Journal of Biochemistry</i> , <b>2009</b> , 146, 369-73	3.1	12
135	C-type lectin Mincle is an activating receptor for pathogenic fungus, <i>Malassezia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 1897-902	11.5	305
134	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> , <b>2009</b> , 106, 15633-8	11.5	63
133	Focused differential glycan analysis with the platform antibody-assisted lectin profiling for glycan-related biomarker verification. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 99-108	7.6	93
132	Comparative analysis of core-fucose-binding lectins from <i>Lens culinaris</i> and <i>Pisum sativum</i> using frontal affinity chromatography. <i>Glycobiology</i> , <b>2009</b> , 19, 527-36	5.8	92
131	N-terminal specific point-immobilization of active proteins by the one-pot NEXT-A method. <i>ChemBioChem</i> , <b>2009</b> , 10, 2460-4	3.8	15
130	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> , <b>2009</b> , 65, 49-57		24
129	Expression of galectin-1, a new component of slit diaphragm, is altered in minimal change nephrotic syndrome. <i>Laboratory Investigation</i> , <b>2009</b> , 89, 178-95	5.9	21
128	NMR studies on the interaction of sugars with the C-terminal domain of an R-type lectin from the earthworm <i>Lumbricus terrestris</i> . <i>FEBS Journal</i> , <b>2009</b> , 276, 2095-105	5.7	10
127	Production of a recombinant mouse monoclonal antibody in transgenic silkworm cocoons. <i>FEBS Journal</i> , <b>2009</b> , 276, 5806-20	5.7	62
126	Development of a high-sensitivity chromatographic separation system for pyridylaminated aldopentoses and aldohexoses. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5112-5	4.5	2
125	Comparative analysis of oligosaccharide specificities of fucose-specific lectins from <i>Aspergillus oryzae</i> and <i>Aleuria aurantia</i> using frontal affinity chromatography. <i>Analytical Biochemistry</i> , <b>2009</b> , 386, 217-21	3.1	43
124	Strategy for glycoproteomics: identification of glyco-alteration using multiple glycan profiling tools. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 1358-67	5.6	63
123	Mannose-binding lectin from yam ( <i>Dioscorea batatas</i> ) tubers with insecticidal properties against <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae). <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 2896-902	5.7	40
122	The function of rhamnose-binding lectin in innate immunity by restricted binding to Gb3. <i>Developmental and Comparative Immunology</i> , <b>2009</b> , 33, 187-97	3.2	72
121	Engineering a versatile tandem repeat-type alpha2-6sialic acid-binding lectin. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 384, 204-9	3.4	21
120	Enrichment strategies for glycopeptides. <i>Methods in Molecular Biology</i> , <b>2009</b> , 534, 195-203	1.4	32
119	Strict binding specificity of small-sized lectins from the red alga <i>Hypnea japonica</i> for core (alpha1-6) fucosylated N-glycans. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2009</b> , 73, 912-20	2.1	14



118	Structural analysis of the human galectin-9 N-terminal carbohydrate recognition domain reveals unexpected properties that differ from the mouse orthologue. <i>Journal of Molecular Biology</i> , <b>2008</b> , 375, 119-35	6.5	69
117	Dissociation of the carbohydrate-binding and splicing activities of galectin-1. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 478, 18-25	4.1	21
116	The amino acids involved in the distinct carbohydrate specificities between macrophage galactose-type C-type lectins 1 and 2 (CD301a and b) of mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 89-100	4	25
115	Caenorhabditis elegans galectins LEC-1-LEC-11: structural features and sugar-binding properties. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 1131-42	4	47
114	Development of an all-in-one technology for glycan profiling targeting formalin-embedded tissue sections. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 370, 259-63	3.4	58
113	Desulfated galactosaminoglycans are potential ligands for galectins: evidence from frontal affinity chromatography. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 373, 206-12	3.4	30
112	A C-type lectin of Caenorhabditis elegans: its sugar-binding property revealed by glycoconjugate microarray analysis. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 377, 303-6	3.4	20
111	Isolation, purification, characterization and glycan-binding profile of a d-galactoside specific lectin from the marine sponge, Halichondria okadai. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2008</b> , 150, 349-57	2.3	37
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