

Hakon Leffler

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264
papers

20,393
citations

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134
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280
ext. papers

21,974
ext. citations

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avg, IF

6.37
L-index

#	Paper	IF	Citations
264	Galectins. Structure and function of a large family of animal lectins.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 20807-20810	5.4	1034
263	Galectins: a family of animal beta-galactoside-binding lectins. <i>Cell</i> , 1994 , 76, 597-8	56.2	1020
262	Galectins. Structure and function of a large family of animal lectins. <i>Journal of Biological Chemistry</i> , 1994 , 269, 20807-10	5.4	945
261	Introduction to galectins. <i>Glycoconjugate Journal</i> , 2002 , 19, 433-40	3	478
260	Chemical identification of a glycosphingolipid receptor for <i>Escherichia coli</i> attaching to human urinary tract epithelial cells and agglutinating human erythrocytes. <i>FEMS Microbiology Letters</i> , 1980 , 8, 127-134	2.9	472
259	Regulation of alternative macrophage activation by galectin-3. <i>Journal of Immunology</i> , 2008 , 180, 2650-8	5.3	376
258	Galectin-1, -2, and -3 exhibit differential recognition of sialylated glycans and blood group antigens. <i>Journal of Biological Chemistry</i> , 2008 , 283, 10109-23	5.4	322
257	X-ray crystal structure of the human galectin-3 carbohydrate recognition domain at 2.1-Å resolution. <i>Journal of Biological Chemistry</i> , 1998 , 273, 13047-52	5.4	315
256	Regulation of transforming growth factor- β -driven lung fibrosis by galectin-3. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 537-46	10.2	313
255	Galectins at a glance. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	258
254	Glycolipid receptors for uropathogenic <i>Escherichia coli</i> on human erythrocytes and uroepithelial cells. <i>Infection and Immunity</i> , 1981 , 34, 920-9	3.7	248
253	Structure of the O-glycans in GlyCAM-1, an endothelial-derived ligand for L-selectin. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12035-47	5.4	245
252	Specificity of binding of a strain of uropathogenic <i>Escherichia coli</i> to Gal alpha 1 \rightarrow 4Gal-containing glycosphingolipids.. <i>Journal of Biological Chemistry</i> , 1985 , 260, 8545-8551	5.4	244
251	Galectin-3, a marker for vacuole lysis by invasive pathogens. <i>Cellular Microbiology</i> , 2010 , 12, 530-44	3.9	233
250	Specificity of binding of a strain of uropathogenic <i>Escherichia coli</i> to Gal alpha 1 \rightarrow 4Gal-containing glycosphingolipids. <i>Journal of Biological Chemistry</i> , 1985 , 260, 8545-51	5.4	229
249	X-ray crystal structure of the human dimeric S-Lac lectin, L-14-II, in complex with lactose at 2.9-Å resolution.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 27034-27038	5.4	224
248	L-29, an endogenous lectin, binds to glycoconjugate ligands with positive cooperativity. <i>Biochemistry</i> , 1993 , 32, 260-7	3.2	223

247	Specificity of binding of three soluble rat lung lectins to substituted and unsubstituted mammalian beta-galactosides.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 10119-10126	5.4	216
246	Identification of an active disaccharide unit of a glycoconjugate receptor for pneumococci attaching to human pharyngeal epithelial cells. <i>Journal of Experimental Medicine</i> , 1983 , 158, 559-70	16.6	215
245	Structural and thermodynamic studies on cation-Pi interactions in lectin-ligand complexes: high-affinity galectin-3 inhibitors through fine-tuning of an arginine-arene interaction. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1737-43	16.4	212
244	Multiple soluble beta-galactoside-binding lectins from human lung.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 7383-7390	5.4	211
243	Phylogenetic analysis of the vertebrate galectin family. <i>Molecular Biology and Evolution</i> , 2004 , 21, 1177-873	5.3	205
242	Multiple soluble beta-galactoside-binding lectins from human lung. <i>Journal of Biological Chemistry</i> , 1987 , 262, 7383-90	5.4	199
241	X-ray crystal structure of the human dimeric S-Lac lectin, L-14-II, in complex with lactose at 2.9-A resolution. <i>Journal of Biological Chemistry</i> , 1993 , 268, 27034-8	5.4	198
240	Differential roles of galectin-1 and galectin-3 in regulating leukocyte viability and cytokine secretion. <i>Journal of Immunology</i> , 2008 , 180, 3091-102	5.3	193
239	Specificity of binding of three soluble rat lung lectins to substituted and unsubstituted mammalian beta-galactosides. <i>Journal of Biological Chemistry</i> , 1986 , 261, 10119-26	5.4	193
238	Inhibition of experimental ascending urinary tract infection by an epithelial cell-surface receptor analogue. <i>Nature</i> , 1982 , 298, 560-2	50.4	191
237	Correlation of P blood group, vesicoureteral reflux, and bacterial attachment in patients with recurrent pyelonephritis. <i>New England Journal of Medicine</i> , 1983 , 308, 1189-92	59.2	184
236	Microglia-Secreted Galectin-3 Acts as a Toll-like Receptor 4 Ligand and Contributes to Microglial Activation. <i>Cell Reports</i> , 2015 , 10, 1626-1638	10.6	183
235	Protein flexibility and conformational entropy in ligand design targeting the carbohydrate recognition domain of galectin-3. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14577-89	16.4	181
234	Galectin-3 Activates the NADPH-Oxidase in Exudated but not Peripheral Blood Neutrophils. <i>Blood</i> , 1998 , 91, 3430-3438	2.2	176
233	Salivary agglutinin, which binds <i>Streptococcus mutans</i> and <i>Helicobacter pylori</i> , is the lung scavenger receptor cysteine-rich protein gp-340. <i>Journal of Biological Chemistry</i> , 2000 , 275, 39860-6	5.4	175
232	Identification of the sulfated monosaccharides of GlyCAM-1, an endothelial-derived ligand for L-selectin. <i>Biochemistry</i> , 1994 , 33, 4820-9	3.2	171
231	Molecular characterization of alpha-lactalbumin folding variants that induce apoptosis in tumor cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6388-96	5.4	160
230	Soluble lactose-binding vertebrate lectins: a growing family. <i>Biochemistry</i> , 1989 , 28, 9222-9	3.2	146

229	Affinity of galectin-8 and its carbohydrate recognition domains for ligands in solution and at the cell surface. <i>Glycobiology</i> , 2007 , 17, 663-76	5.8	140
228	Structures of blood group glycosphingolipids of human small intestine. A relation between the expression of fucolipids of epithelial cells and the ABO, Le and Se phenotype of the donor.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 6758-6765	5.4	138
227	Apical sorting by galectin-3-dependent glycoprotein clustering. <i>Traffic</i> , 2007 , 8, 379-88	5.7	134
226	Structures of blood group glycosphingolipids of human small intestine. A relation between the expression of fucolipids of epithelial cells and the ABO, Le and Se phenotype of the donor. <i>Journal of Biological Chemistry</i> , 1987 , 262, 6758-65	5.4	131
225	Crystal structure of human Charcot-Leyden crystal protein, an eosinophil lysophospholipase, identifies it as a new member of the carbohydrate-binding family of galectins. <i>Structure</i> , 1995 , 3, 1379-93	5.2	127
224	Apical secretion of a cytosolic protein by Madin-Darby canine kidney cells. Evidence for polarized release of an endogenous lectin by a nonclassical secretory pathway. <i>Journal of Biological Chemistry</i> , 1993 , 268, 11750-7	5.4	127
223	Apical secretion of a cytosolic protein by Madin-Darby canine kidney cells. Evidence for polarized release of an endogenous lectin by a nonclassical secretory pathway. <i>Journal of Biological Chemistry</i> , 1993 , 268, 11750-11757	5.4	127
222	Soluble lactose-binding lectin from rat intestine with two different carbohydrate-binding domains in the same peptide chain.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 5929-5939	5.4	125
221	Complex N-glycans are the major ligands for galectin-1, -3, and -8 on Chinese hamster ovary cells. <i>Glycobiology</i> , 2006 , 16, 305-17	5.8	124
220	Fluorescence polarization as an analytical tool to evaluate galectin-ligand interactions. <i>Analytical Biochemistry</i> , 2004 , 334, 36-47	3.1	123
219	Soluble lactose-binding lectin from rat intestine with two different carbohydrate-binding domains in the same peptide chain. <i>Journal of Biological Chemistry</i> , 1993 , 268, 5929-39	5.4	118
218	Galectin-4 in normal tissues and cancer. <i>Glycoconjugate Journal</i> , 2004 , 20, 247-55	3	117
217	C2-symmetrical thiodigalactoside bis-benzamido derivatives as high-affinity inhibitors of galectin-3: efficient lectin inhibition through double arginine-arene interactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5110-2	16.4	111
216	The animal lectin galectin-3 interacts with bacterial lipopolysaccharides via two independent sites. <i>Journal of Immunology</i> , 1996 , 156, 1572-7	5.3	111
215	The carbohydrate-binding site in galectin-3 is preorganized to recognize a sugarlike framework of oxygens: ultra-high-resolution structures and water dynamics. <i>Biochemistry</i> , 2012 , 51, 296-306	3.2	110
214	Virulence-associated traits in Escherichia coli causing first and recurrent episodes of urinary tract infection in children with or without vesicoureteral reflux. <i>Journal of Infectious Diseases</i> , 1984 , 150, 561-7	3	104
213	Galectin-3 functions as an opsonin and enhances the macrophage clearance of apoptotic neutrophils. <i>Glycobiology</i> , 2009 , 19, 16-20	5.8	103
212	Influence of blood group on the availability of receptors for attachment of uropathogenic Escherichia coli. <i>Infection and Immunity</i> , 1986 , 51, 919-26	3.7	102

211	Dendritic cell maturation results in pronounced changes in glycan expression affecting recognition by siglecs and galectins. <i>Journal of Immunology</i> , 2007 , 179, 8216-24	5.3	100
210	Ligand induced galectin-3 protein self-association. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21751-6	5.4	97
209	The salivary mucin MG1 (MUC5B) carries a repertoire of unique oligosaccharides that is large and diverse. <i>Glycobiology</i> , 2002 , 12, 1-14	5.8	97
208	Galectin-3-Binding Glycomimetics that Strongly Reduce Bleomycin-Induced Lung Fibrosis and Modulate Intracellular Glycan Recognition. <i>ChemBioChem</i> , 2016 , 17, 1759-70	3.8	94
207	Low micromolar inhibitors of galectin-3 based on 3Qderivatization of N-acetyllactosamine. <i>ChemBioChem</i> , 2002 , 3, 183-9	3.8	92
206	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2019 , 138, 251-273	14.3	91
205	Glycosphingolipids and the differentiation of intestinal epithelium. <i>Experimental Cell Research</i> , 1981 , 135, 1-13	4.2	88
204	Influence of adhesins on the interaction of Escherichia coli with human phagocytes. <i>Infection and Immunity</i> , 1984 , 44, 672-80	3.7	88
203	The receptor repertoire defines the host range for attaching Escherichia coli strains that recognize globo-A. <i>Infection and Immunity</i> , 1991 , 59, 1086-92	3.7	86
202	Sequence and mapping of galectin-5, a beta-galactoside-binding lectin, found in rat erythrocytes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5032-8	5.4	85
201	Glycosphingolipids of rat tissues. Different composition of epithelial and nonepithelial cells of small intestine. <i>Journal of Biological Chemistry</i> , 1982 , 257, 557-68	5.4	85
200	Galectin inhibitory disaccharides promote tumour immunity in a breast cancer model. <i>Cancer Letters</i> , 2010 , 299, 95-110	9.9	83
199	Selected ion monitoring of glycosphingolipid mixtures. Identification of several blood group type glycolipids in the small intestine of an individual rabbit. <i>Biomedical Mass Spectrometry</i> , 1979 , 6, 231-41		83
198	Truncated galectin-3 inhibits tumor growth and metastasis in orthotopic nude mouse model of human breast cancer. <i>Clinical Cancer Research</i> , 2003 , 9, 2374-83	12.9	83
197	Galectin-3 deficiency prevents concanavalin A-induced hepatitis in mice. <i>Hepatology</i> , 2012 , 55, 1954-64	11.2	82
196	Identification of CD66a and CD66b as the major galectin-3 receptor candidates in human neutrophils. <i>Journal of Immunology</i> , 1999 , 163, 5592-8	5.3	82
195	3-(1,2,3-Triazol-1-yl)-1-thio-galactosides as small, efficient, and hydrolytically stable inhibitors of galectin-3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 3344-6	2.9	80
194	Isolation and expression of a gene encoding L-14-II, a new human soluble lactose-binding lectin.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 10601-10606	5.4	80

193	Glycosphingolipids of rat tissues. Different composition of epithelial and nonepithelial cells of small intestine.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 557-568	5.4	80
192	L-29, a soluble lactose-binding lectin, is phosphorylated on serine 6 and serine 12 in vivo and by casein kinase I.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 26712-26718	5.4	79
191	Synthesis of a phenyl thio-beta-D-galactopyranoside library from 1,5-difluoro-2,4-dinitrobenzene: discovery of efficient and selective monosaccharide inhibitors of galectin-7. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1922-32	3.9	78
190	Human breast carcinoma cDNA encoding a galactoside-binding lectin homologous to mouse Mac-2 antigen. <i>Gene</i> , 1991 , 99, 279-83	3.8	78
189	Activation of the neutrophil nicotinamide adenine dinucleotide phosphate oxidase by galectin-1. <i>Journal of Immunology</i> , 2002 , 168, 4034-41	5.3	77
188	Novel Polyfucosylated N-Linked Glycopeptides with Blood Group A, H, X, and Y Determinants from Human Small Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 1989 , 264, 5720-5735	5.4	77
187	Galectin-4 and galectin-6 are two closely related lectins expressed in mouse gastrointestinal tract. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2954-60	5.4	76
186	Mutational tuning of galectin-3 specificity and biological function. <i>Journal of Biological Chemistry</i> , 2010 , 285, 35079-91	5.4	75
185	Isolation and expression of a gene encoding L-14-II, a new human soluble lactose-binding lectin. <i>Journal of Biological Chemistry</i> , 1992 , 267, 10601-6	5.4	75
184	Lipopolysaccharide-induced gelatinase granule mobilization primes neutrophils for activation by galectin-3 and formylmethionyl-Leu-Phe. <i>Infection and Immunity</i> , 2001 , 69, 832-7	3.7	74
183	Binding specificity of pilated strains of Escherichia coli and Salmonella typhimurium to epithelial cells, saccharomyces cerevisiae cells, and erythrocytes. <i>Infection and Immunity</i> , 1981 , 32, 796-804	3.7	73
182	Novel polyfucosylated N-linked glycopeptides with blood group A, H, X, and Y determinants from human small intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 1989 , 264, 5720-35	5.4	72
181	Introduction to Galectins.. <i>Trends in Glycoscience and Glycotechnology</i> , 1997 , 9, 9-19	0.1	72
180	Structure and bacterial receptor activity of a human salivary proline-rich glycoprotein.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 17358-17368	5.4	72
179	1H-1,2,3-triazol-1-yl thiodigalactoside derivatives as high affinity galectin-3 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 5367-78	3.4	71
178	L-29, a soluble lactose-binding lectin, is phosphorylated on serine 6 and serine 12 in vivo and by casein kinase I. <i>Journal of Biological Chemistry</i> , 1993 , 268, 26712-8	5.4	69
177	Strikingly different localization of galectin-3 and galectin-4 in human colon adenocarcinoma T84 cells. Galectin-4 is localized at sites of cell adhesion. <i>Journal of Biological Chemistry</i> , 1997 , 272, 14294-303	5.4	68
176	Glycosphingolipid receptors for Pseudomonas aeruginosa. <i>Infection and Immunity</i> , 1990 , 58, 2361-6	3.7	67

175	Primary structure of the soluble lactose binding lectin L-29 from rat and dog and interaction of its non-collagenous proline-, glycine-, tyrosine-rich sequence with bacterial and tissue collagenase.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 26704-26711	5.4	67
174	Inhibition of galectins with small molecules. <i>Chimia</i> , 2011 , 65, 18-23	1.3	65
173	Double affinity amplification of galectin-ligand interactions through arginine-arene interactions: synthetic, thermodynamic, and computational studies with aromatic diamido thiodigalactosides. <i>Chemistry - A European Journal</i> , 2008 , 14, 4233-45	4.8	65
172	Synthesis of multivalent lactose derivatives by 1,3-dipolar cycloadditions: selective galectin-1 inhibition. <i>Carbohydrate Research</i> , 2006 , 341, 1353-62	2.9	65
171	Galectin-3 activates the NADPH-oxidase in exudated but not peripheral blood neutrophils. <i>Blood</i> , 1998 , 91, 3430-8	2.2	65
170	Sd(a)-antigen-like structures carried on core 3 are prominent features of glycans from the mucin of normal human descending colon. <i>Biochemical Journal</i> , 2001 , 358, 657-64	3.8	64
169	Sulfated lewis X determinants as a major structural motif in glycans from LS174T-HM7 human colon carcinoma mucin. <i>Journal of Biological Chemistry</i> , 1997 , 272, 31957-68	5.4	62
168	Galectin-3 targeted therapy with a small molecule inhibitor activates apoptosis and enhances both chemosensitivity and radiosensitivity in papillary thyroid cancer. <i>Molecular Cancer Research</i> , 2009 , 7, 1655-62	6.6	61
167	Galectin-3 binds lactosaminylated lipooligosaccharides from <i>Neisseria gonorrhoeae</i> and is selectively expressed by mucosal epithelial cells that are infected. <i>Cellular Microbiology</i> , 2002 , 4, 649-62	3.9	61
166	Blood group type glycosphingolipids from the small intestine of different animals analysed by mass spectrometry and thin-layer chromatography. A note on species diversity. <i>Journal of Biochemistry</i> , 1981 , 90, 589-609	3.1	61
165	Structure and bacterial receptor activity of a human salivary proline-rich glycoprotein. <i>Journal of Biological Chemistry</i> , 1991 , 266, 17358-68	5.4	61
164	Receptor-specific agglutination tests for detection of bacteria that bind globoseries glycolipids. <i>Journal of Clinical Microbiology</i> , 1987 , 25, 401-6	9.7	61
163	P1 blood group and urinary tract infection. <i>Lancet, The</i> , 1981 , 1, 551-2	4.0	60
162	Synthesis of O-galactosyl aldoximes as potent LacNAc-mimetic galectin-3 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 2343-5	2.9	59
161	Studies of arginine-arene interactions through synthesis and evaluation of a series of galectin-binding aromatic lactose esters. <i>ChemBioChem</i> , 2007 , 8, 1389-98	3.8	58
160	Systematic Tuning of Fluoro-galectin-3 Interactions Provides Thiodigalactoside Derivatives with Single-Digit nM Affinity and High Selectivity. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 1164-1175	8.3	56
159	Human low-molecular-weight salivary mucin expresses the sialyl lewisx determinant and has L-selectin ligand activity. <i>Biochemistry</i> , 1998 , 37, 4916-27	3.2	56
158	Galectins structure and function--a synopsis. <i>Results and Problems in Cell Differentiation</i> , 2001 , 33, 57-83	1.4	55

157	Primary structure of the soluble lactose binding lectin L-29 from rat and dog and interaction of its non-collagenous proline-, glycine-, tyrosine-rich sequence with bacterial and tissue collagenase. <i>Journal of Biological Chemistry</i> , 1993 , 268, 26704-11	5.4	54
156	Galectin-inhibitory thiodigalactoside ester derivatives have antimigratory effects in cultured lung and prostate cancer cells. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 8109-14	8.3	52
155	Monosaccharide Derivatives with Low-Nanomolar Lectin Affinity and High Selectivity Based on Combined Fluorine-Amide, Phenyl-Arginine, Sulfur- and Halogen Bond Interactions. <i>ChemMedChem</i> , 2018 , 13, 133-137	3.7	52
154	Tuning the preference of thiodigalactoside- and lactosamine-based ligands to galectin-3 over galectin-1. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1350-4	8.3	51
153	Interplay between Conformational Entropy and Solvation Entropy in Protein-Ligand Binding. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2012-2026	16.4	51
152	Different affinity of galectins for human serum glycoproteins: galectin-3 binds many protease inhibitors and acute phase proteins. <i>Glycobiology</i> , 2008 , 18, 384-94	5.8	50
151	Pathological lymphangiogenesis is modulated by galectin-8-dependent crosstalk between podoplanin and integrin-associated VEGFR-3. <i>Nature Communications</i> , 2016 , 7, 11302	17.4	50
150	Separate oligosaccharide determinants mediate interactions of the low-molecular-weight salivary mucin with neutrophils and bacteria. <i>Biochemistry</i> , 1999 , 38, 6817-25	3.2	49
149	The role of Galectin-3 in Synuclein-induced microglial activation. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 156	7.3	48
148	Taloside inhibitors of galectin-1 and galectin-3. <i>Chemical Biology and Drug Design</i> , 2012 , 79, 339-46	2.9	48
147	Receptor analogues and anti-pili antibodies as inhibitors of bacterial attachment in vivo and in vitro. <i>Annals of the New York Academy of Sciences</i> , 1983 , 409, 580-92	6.5	48
146	Binding specificities of wild-type and cloned Escherichia coli strains that recognize globo-A. <i>Infection and Immunity</i> , 1989 , 57, 3389-94	3.7	48
145	A Selective Galactose-Coumarin-Derived Galectin-3 Inhibitor Demonstrates Involvement of Galectin-3-glycan Interactions in a Pulmonary Fibrosis Model. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8141-7	8.3	48
144	An Orally Active Galectin-3 Antagonist Inhibits Lung Adenocarcinoma Growth and Augments Response to PD-L1 Blockade. <i>Cancer Research</i> , 2019 , 79, 1480-1492	10.1	47
143	The specific glycosphingolipid composition of human ureteral epithelial cells. <i>Journal of Biochemistry</i> , 1985 , 98, 1169-80	3.1	47
142	Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. <i>Glycobiology</i> , 2016 , 26, 888-903	5.8	46
141	Glycosphingolipid composition of epithelial cells isolated along the villus axis of small intestine of a single human individual. <i>Glycobiology</i> , 2012 , 22, 1721-30	5.8	46
140	Distance mapping of protein-binding sites using spin-labeled oligosaccharide ligands. <i>Protein Science</i> , 2001 , 10, 2393-400	6.3	46

139	Different angioregulatory activity of monovalent galectin-9 isoforms. <i>Angiogenesis</i> , 2018 , 21, 545-555	10.6	45
138	Monovalent interactions of galectin-1. <i>Biochemistry</i> , 2010 , 49, 9518-32	3.2	45
137	Conformational differences in liganded and unliganded states of Galectin-3. <i>Biochemistry</i> , 2003 , 42, 3688-95	3.2	45
136	Possible interaction between animal lectins and bacterial carbohydrates. <i>Methods in Enzymology</i> , 1994 , 236, 231-54	1.7	45
135	Fluorescence polarization to study galectin-ligand interactions. <i>Methods in Enzymology</i> , 2003 , 362, 504-12	7	43
134	Galectin binding to cells and glycoproteins with genetically modified glycosylation reveals galectin-glycan specificities in a natural context. <i>Journal of Biological Chemistry</i> , 2018 , 293, 20249-20262	5.4	43
133	Synthesis of galactose-mimicking 1H-(1,2,3-triazol-1-yl)-mannosides as selective galectin-3 and 9N inhibitors. <i>Carbohydrate Research</i> , 2007 , 342, 1869-75	2.9	42
132	The Molecular Basis for Inhibition of Stemlike Cancer Cells by Salinomycin. <i>ACS Central Science</i> , 2018 , 4, 760-767	16.8	40
131	Galectin-3 endocytosis by carbohydrate independent and dependent pathways in different macrophage like cell types. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 804-18	4	40
130	Intracellular sorting of galectin-8 based on carbohydrate fine specificity. <i>Glycobiology</i> , 2007 , 17, 906-12	5.8	40
129	Design and synthesis of galectin inhibitors. <i>Methods in Enzymology</i> , 2003 , 363, 157-69	1.7	40
128	The role of Galectin-3 in β -synuclein-induced microglial activation. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 156	7.3	40
127	Extracellular and intracellular small-molecule galectin-3 inhibitors. <i>Scientific Reports</i> , 2019 , 9, 2186	4.9	40
126	Galectin-3 Inhibition by a Small-Molecule Inhibitor Reduces Both Pathological Corneal Neovascularization and Fibrosis 2017 , 58, 9-20		39
125	Galectin-3 deficiency protects pancreatic islet cells from cytokine-triggered apoptosis in vitro. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1568-76	7	39
124	Fragment-based development of triazole-substituted O-galactosyl aldoximes with fragment-induced affinity and selectivity for galectin-3. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3982-90	3.9	39
123	Characterization of cerebroside (monoglycosylceramide) from the sea anemone, <i>Metridium senile</i> . Identification of the major long-chain base as an unusual dienic base with a methyl branch at a double bond. <i>Lipids and Lipid Metabolism</i> , 1979 , 574, 79-93		39
122	Sequence and specificity of a soluble lactose-binding lectin from <i>Xenopus laevis</i> skin.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 12942-12949	5.4	39

121	Target inhibition of galectin-3 by inhaled TD139 in patients with idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	39
120	Multimeric lactoside "click clusters" as tools to investigate the effect of linker length in specific interactions with peanut lectin, galectin-1, and -3. <i>ChemBioChem</i> , 2010 , 11, 1430-42	3.8	38
119	Protein identification by in-gel digestion, high-performance liquid chromatography, and mass spectrometry: peptide analysis by complementary ionization techniques. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 215-21	3.5	38
118	Galectin-1-binding glycoforms of haptoglobin with altered intracellular trafficking, and increase in metastatic breast cancer patients. <i>PLoS ONE</i> , 2011 , 6, e26560	3.7	37
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