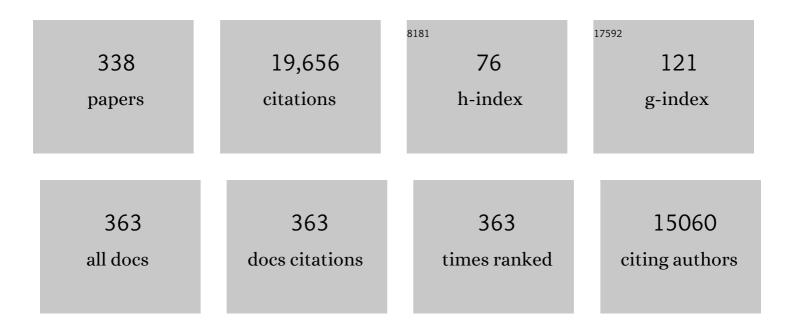
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Structures and mechanisms of glycosyltransferases. Glycobiology, 2006, 16, 29R-37R.	2.5	572
2	The double-helical nature of the crystalline part of A-starch. Journal of Molecular Biology, 1988, 201, 365-378.	4.2	541
3	A revisit to the three-dimensional structure of B-type starch. Biopolymers, 1988, 27, 1205-1221.	2.4	511
4	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	38.1	464
5	Recent Advances in Knowledge of Starch Structure. Starch/Staerke, 1991, 43, 375-384.	2.1	450
6	Glycomimetics versus Multivalent Glycoconjugates for the Design of High Affinity Lectin Ligands. Chemical Reviews, 2015, 115, 525-561.	47.7	439
7	Structures of the lectins from Pseudomonas aeruginosa: insights into the molecular basis for host glycan recognition. Microbes and Infection, 2004, 6, 221-228.	1.9	271
8	Role of LecA and LecB Lectins in <i>Pseudomonas aeruginosa</i> -Induced Lung Injury and Effect of Carbohydrate Ligands. Infection and Immunity, 2009, 77, 2065-2075.	2.2	262
9	Structure, Conformation, and Dynamics of Bioactive Oligosaccharides:Â Theoretical Approaches and Experimental Validations. Chemical Reviews, 2000, 100, 4567-4588.	47.7	256
10	Microbial recognition of human cell surface glycoconjugates. Current Opinion in Structural Biology, 2008, 18, 567-576.	5.7	253
11	Structural basis for oligosaccharide-mediated adhesion of Pseudomonas aeruginosa in the lungs of cystic fibrosis patients. Nature Structural Biology, 2002, 9, 918-921.	9.7	247
12	Glycomimetics and Glycodendrimers as High Affinity Microbial Antiâ€adhesins. Chemistry - A European Journal, 2008, 14, 7490-7499.	3.3	235
13	Structural diversity of heparan sulfate binding domains in chemokines. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1229-1234.	7.1	230
14	Structural view of glycosaminoglycan–protein interactions. Carbohydrate Research, 2007, 342, 430-439.	2.3	192
15	Characterization of the Stromal Cell-derived Factor-1α-Heparin Complex. Journal of Biological Chemistry, 2001, 276, 8288-8296.	3.4	189
16	Structure/function studies of glycosyltransferases. Current Opinion in Structural Biology, 1999, 9, 563-571.	5.7	177
17	Structural basis of calcium and galactose recognition by the lectin PA-IL ofPseudomonas aeruginosa. FEBS Letters, 2003, 555, 297-301.	2.8	175
18	Achieving High Affinity towards a Bacterial Lectin through Multivalent Topological Isomers of Calix[4]arene Glycoconjugates. Chemistry - A European Journal, 2009, 15, 13232-13240.	3.3	175

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19	Heparan Sulfate/Heparin Oligosaccharides Protect Stromal Cell-derived Factor-1 (SDF-1)/CXCL12 against Proteolysis Induced by CD26/Dipeptidyl Peptidase IV. Journal of Biological Chemistry, 2004, 279, 43854-43860.	3.4	172
20	Crystal Structure of Fungal Lectin. Journal of Biological Chemistry, 2003, 278, 27059-27067.	3.4	164
21	The Fucose-binding Lectin from Ralstonia solanacearum. Journal of Biological Chemistry, 2005, 280, 27839-27849.	3.4	160
22	A new bioinformatic approach to detect common 3D sites in protein structures. Proteins: Structure, Function and Bioinformatics, 2003, 52, 137-145.	2.6	154
23	Molecular modelling of protein-carbohydrate interactions. Docking of monosaccharides in the binding site of concanavalin A. Glycobiology, 1991, 1, 631-642.	2.5	152
24	Binding sugars: from natural lectins to synthetic receptors and engineered neolectins. Chemical Society Reviews, 2013, 42, 4798.	38.1	151
25	A comparison and chemometric analysis of several molecular mechanics force fields and parameter sets applied to carbohydrates. Carbohydrate Research, 1998, 314, 141-155.	2.3	150
26	<i>N</i> -Glycolyl GM1 Ganglioside as a Receptor for Simian Virus 40. Journal of Virology, 2007, 81, 12846-12858.	3.4	150
27	Interactions between Flavan-3-ols and Poly(<scp>l</scp> -proline) Studied by Isothermal Titration Calorimetry: Effect of the Tannin Structure. Journal of Agricultural and Food Chemistry, 2007, 55, 9235-9240.	5.2	143
28	Sequence-Function Relationships of Prokaryotic and Eukaryotic Galactosyltransferases. Journal of Biochemistry, 1998, 123, 1000-1009.	1.7	140
29	Isolation and characterization of Populus isoperoxidases involved in the last step of lignin formation. Planta, 1985, 164, 221-226.	3.2	136
30	Current trends in the structure-activity relationships of sialyltransferases. Glycobiology, 2011, 21, 716-726.	2.5	134
31	Helical epitope of the group B meningococcal .alpha.(2-8)-linked sialic acid polysaccharide. Biochemistry, 1992, 31, 4996-5004.	2.5	133
32	Structural Basis of the Preferential Binding for Globo-Series Glycosphingolipids Displayed by Pseudomonas aeruginosa Lectin I. Journal of Molecular Biology, 2008, 383, 837-853.	4.2	133
33	Conserved structural features in eukaryotic and prokaryotic fucosyltransferases. Glycobiology, 1998, 8, 87-94.	2.5	130
34	Structural basis for the interaction between human milk oligosaccharides and the bacterial lectin PA-IIL of Pseudomonas aeruginosa. Biochemical Journal, 2005, 389, 325-332.	3.7	129
35	Biochemical and Structural Analysis of Helix pomatia Agglutinin. Journal of Biological Chemistry, 2006, 281, 20171-20180.	3.4	129
36	A lipid zipper triggers bacterial invasion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12895-12900.	7.1	127

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37	An Unusual Carbohydrate Binding Site Revealed by the Structures of Two Maackia amurensis Lectins Complexed with Sialic Acid-containing Oligosaccharides. Journal of Biological Chemistry, 2000, 275, 17541-17548.	3.4	125
38	Computer simulation of histo-blood group oligosaccharides: energy maps of all constituting disaccharides and potential energy surfaces of 14 ABH and Lewis carbohydrate antigens. Glycoconjugate Journal, 1995, 12, 331-349.	2.7	124
39	Carbohydrate binding, quaternary structure and a novel hydrophobic binding site in two legume lectin oligomers from Dolichos biflorus 1 1Edited by R. Huber. Journal of Molecular Biology, 1999, 286, 1161-1177.	4.2	121
40	Interactions between a Non Glycosylated Human Proline-Rich Protein and Flavan-3-ols Are Affected by Protein Concentration and Polyphenol/Protein Ratio. Journal of Agricultural and Food Chemistry, 2007, 55, 4895-4901.	5.2	120
41	Characterization of Endostatin Binding to Heparin and Heparan Sulfate by Surface Plasmon Resonance and Molecular Modeling. Journal of Biological Chemistry, 2004, 279, 2927-2936.	3.4	119
42	Antiadhesive Properties of Glycoclusters against <i>Pseudomonas aeruginosa</i> Lung Infection. Journal of Medicinal Chemistry, 2014, 57, 10275-10289.	6.4	117
43	Fungal lectins: structure, function and potential applications. Current Opinion in Structural Biology, 2013, 23, 678-685.	5.7	116
44	Synthesis of Dodecavalent Fullereneâ€Based Glycoclusters and Evaluation of Their Binding Properties towards a Bacterial Lectin . Chemistry - A European Journal, 2011, 17, 3252-3261.	3.3	114
45	Binding interactions between barley thaumatin-like proteins and (1,3)-β-D-glucans. FEBS Journal, 2001, 268, 4190-4199.	0.2	113
46	Electronic Detection of Lectins Using Carbohydrate-Functionalized Nanostructures: Graphene <i>versus</i> Carbon Nanotubes. ACS Nano, 2012, 6, 760-770.	14.6	112
47	Heparan Sulfate Targets the HIV-1 Envelope Glycoprotein gp120 Coreceptor Binding Site. Journal of Biological Chemistry, 2005, 280, 21353-21357.	3.4	108
48	Selectivity among Two Lectins: Probing the Effect of Topology, Multivalency and Flexibility of "Clicked―Multivalent Glycoclusters. Chemistry - A European Journal, 2011, 17, 2146-2159.	3.3	108
49	New three-dimensional structure for A-type starch. Macromolecules, 1987, 20, 2634-2636.	4.8	105
50	T4 Phage β-Glucosyltransferase: Substrate Binding and Proposed Catalytic Mechanism. Journal of Molecular Biology, 1999, 292, 717-730.	4.2	104
51	High affinity fucose binding of Pseudomonas aeruginosa lectin PA-IIL: 1.0 Ã resolution crystal structure of the complex combined with thermodynamics and computational chemistry approaches. Proteins: Structure, Function and Bioinformatics, 2004, 58, 735-746.	2.6	104
52	Structure-Function Analysis of the Human Sialyltransferase ST3Gal I. Journal of Biological Chemistry, 2004, 279, 13461-13468.	3.4	102
53	Rational Design and Synthesis of Optimized Glycoclusters for Multivalent Lectin–Carbohydrate Interactions: Influence of the Linker Arm. Chemistry - A European Journal, 2012, 18, 6250-6263.	3.3	100
54	Interactions between Pectic Compounds and Procyanidins are Influenced by Methylation Degree and Chain Length. Biomacromolecules, 2013, 14, 709-718.	5.4	97

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55	Glycomimetic, Orally Bioavailable LecB Inhibitors Block Biofilm Formation of <i>Pseudomonas aeruginosa</i> . Journal of the American Chemical Society, 2018, 140, 2537-2545.	13.7	97
56	Conformational behavior of sucrose and its deoxy analog in water as determined by NMR and molecular modeling. Journal of the American Chemical Society, 1991, 113, 3720-3727.	13.7	96
57	Fucosylated Pentaerythrityl Phosphodiester Oligomers (PePOs):  Automated Synthesis of DNA-Based Glycoclusters and Binding to Pseudomonas aeruginosa Lectin (PA-IIL). Bioconjugate Chemistry, 2007, 18, 1637-1643.	3.6	96
58	Nanoelectronic Detection of Lectin-Carbohydrate Interactions Using Carbon Nanotubes. Nano Letters, 2011, 11, 170-175.	9.1	96
59	Binding of different monosaccharides by lectin PA-IIL fromPseudomonas aeruginosa: Thermodynamics data correlated with X-ray structures. FEBS Letters, 2006, 580, 982-987.	2.8	94
60	Combining Glycomimetic and Multivalent Strategies toward Designing Potent Bacterial Lectin Inhibitors. Chemistry - A European Journal, 2011, 17, 6545-6562.	3.3	94
61	Molecular Basis of the Differences in Binding Properties of the Highly Related C-type Lectins DC-SIGN and L-SIGN to Lewis X Trisaccharide and Schistosoma mansoni Egg Antigens. Journal of Biological Chemistry, 2004, 279, 33161-33167.	3.4	93
62	Catalytic Key Amino Acids and UDP-Sugar Donor Specificity of a Plant Glucuronosyltransferase, UGT94B1: Molecular Modeling Substantiated by Site-Specific Mutagenesis and Biochemical Analyses. Plant Physiology, 2008, 148, 1295-1308.	4.8	93
63	Fucose-binding Lectin from Opportunistic Pathogen Burkholderia ambifaria Binds to Both Plant and Human Oligosaccharidic Epitopes. Journal of Biological Chemistry, 2012, 287, 4335-4347.	3.4	92
64	Overcoming antibiotic resistance in Pseudomonas aeruginosa biofilms using glycopeptide dendrimers. Chemical Science, 2016, 7, 166-182.	7.4	92
65	Relaxed potential energy surfaces of maltose. Biopolymers, 1989, 28, 679-690.	2.4	89
66	Crystal and molecular structure of a histo-blood group antigen involved in cell adhesion: the Lewis x trisaccharide. Glycobiology, 1996, 6, 537-542.	2.5	88
67	Solution conformations of pectin polysaccharides: Determination of chain characteristics by small angle neutron scattering, viscometry, and molecular modeling. , 1998, 39, 339-351.		88
68	Structural basis of high-affinity glycan recognition by bacterial and fungal lectins. Current Opinion in Structural Biology, 2005, 15, 525-534.	5.7	88
69	DC-SIGN Mediates Binding of Dendritic Cells to Authentic Pseudo-LewisY Glycolipids of Schistosoma mansoni Cercariae, the First Parasite-specific Ligand of DC-SIGN. Journal of Biological Chemistry, 2005, 280, 37349-37359.	3.4	87
70	A Soluble Fucose-Specific Lectin from Aspergillus fumigatus Conidia - Structure, Specificity and Possible Role in Fungal Pathogenicity. PLoS ONE, 2013, 8, e83077.	2.5	87
71	A LecA Ligand Identified from a Galactosideâ€Conjugate Array Inhibits Host Cell Invasion by <i>Pseudomonas aeruginosa</i> . Angewandte Chemie - International Edition, 2014, 53, 8885-8889.	13.8	85
72	LysM domains of Medicago truncatula NFP protein involved in Nod factor perception. Glycosylation state, molecular modeling and docking of chitooligosaccharides and Nod factors. Glycobiology, 2006, 16, 801-809.	2.5	84

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73	Discovery of Two Classes of Potent Glycomimetic Inhibitors of <i>Pseudomonas aeruginosa</i> LecB with Distinct Binding Modes. ACS Chemical Biology, 2013, 8, 1775-1784.	3.4	83
74	Lipo-chitooligosaccharidic Symbiotic Signals Are Recognized by LysM Receptor-Like Kinase LYR3 in the Legume <i>Medicago truncatula</i> . ACS Chemical Biology, 2013, 8, 1900-1906.	3.4	83
75	Data bank of three-dimensional structures of disaccharides, a tool to build 3-D structures of oligosaccharides. Glycoconjugate Journal, 1990, 7, 27-54.	2.7	82
76	UniLectin3D, a database of carbohydrate binding proteins with curated information on 3D structures and interacting ligands. Nucleic Acids Research, 2019, 47, D1236-D1244.	14.5	82
77	Aromatic thioglycoside inhibitors against the virulence factor LecA from Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2013, 11, 6906.	2.8	81
78	Multivalent Gold Glycoclusters: High Affinity Molecular Recognition by Bacterial Lectin PAâ€IL. Chemistry - A European Journal, 2012, 18, 4264-4273.	3.3	80
79	β-Propeller Crystal Structure of Psathyrella velutina Lectin: An Integrin-like Fungal Protein Interacting with Monosaccharides and Calcium. Journal of Molecular Biology, 2006, 357, 1575-1591.	4.2	77
80	Polyester Nanoparticles Presenting Mannose Residues: Toward the Development of New Vaccine Delivery Systems Combining Biodegradability and Targeting Properties. Biomacromolecules, 2009, 10, 651-657.	5.4	77
81	Glyco3D: A Portal for Structural Glycosciences. Methods in Molecular Biology, 2015, 1273, 241-258.	0.9	77
82	Oligosaccharide structures: theory versus experiment. Current Opinion in Structural Biology, 1997, 7, 617-623.	5.7	76
83	A TNF-like Trimeric Lectin Domain from Burkholderia cenocepacia with Specificity for Fucosylated Human Histo-Blood Group Antigens. Structure, 2010, 18, 59-72.	3.3	76
84	Neutral sugar side chains of pectins limit interactions with procyanidins. Carbohydrate Polymers, 2014, 99, 527-536.	10.2	75
85	Structural basis for mannose recognition by a lectin from opportunistic bacteria <i>Burkholderia cenocepacia</i> . Biochemical Journal, 2008, 411, 307-318.	3.7	74
86	A Kinetics and Modeling Study of RANTES(9â^'68) Binding to Heparin Reveals a Mechanism of Cooperative Oligomerizationâ€. Biochemistry, 2002, 41, 14779-14789.	2.5	73
87	Tetramethylbenzidine and p-phenylenediamine-pyrocatechol for peroxidase histochemistry and biochemistry: Two new, non-carcinogenic chromogens for investigating lignification process. Plant Science Letters, 1984, 35, 103-108.	1.8	72
88	Histo-blood group antigens as mediators of infections. Current Opinion in Structural Biology, 2017, 44, 190-200.	5.7	72
89	Conformational analysis and molecular modelling of the branching point of amylopectin. International Journal of Biological Macromolecules, 1989, 11, 177-185.	7.5	71
90	Relaxed potential energy surfaces ofN-linked oligosaccharides: The mannose-α(1 → 3)-mannose case. Journal of Computational Chemistry, 1990, 11, 205-216.	3.3	70

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91	A new Ralstonia solanacearum high-affinity mannose-binding lectin RS-IIL structurally resembling the Pseudomonas aeruginosa fucose-specific lectin PA-IIL. Molecular Microbiology, 2004, 52, 691-700.	2.5	70
92	Characterization of Four Lectin-Like Receptor Kinases Expressed in Roots of Medicago truncatula. Structure, Location, Regulation of Expression, and Potential Role in the Symbiosis with Sinorhizobium meliloti A. Plant Physiology, 2003, 133, 1893-1910.	4.8	69
93	NMR, Molecular Modeling, and Crystallographic Studies of Lentil Lectin-Sucrose Interaction. Journal of Biological Chemistry, 1995, 270, 25619-25628.	3.4	68
94	Data bank of three-dimensional structures of disaccharides: Part II,N-acetyllactosaminic type N-glycans. Comparison with the crystal structure of a biantennary octasaccharide. Glycoconjugate Journal, 1991, 8, 456-483.	2.7	64
95	Structural Studies of Langerin and Birbeck Granule: A Macromolecular Organization Model. Biochemistry, 2009, 48, 2684-2698.	2.5	64
96	Pillar[5]areneâ€Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. Chemistry - A European Journal, 2016, 22, 2955-2963.	3.3	64
97	Biologically Active Heteroglycoclusters Constructed on a Pillar[5]areneâ€Containing [2]Rotaxane Scaffold. Chemistry - A European Journal, 2016, 22, 88-92.	3.3	62
98	"Rules of Engagement―of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. ChemistryOpen, 2016, 5, 274-296.	1.9	62
99	Conformational analysis and flexibility of carbohydrates using the CICADA approach with MM3. Journal of Computational Chemistry, 1995, 16, 296-310.	3.3	61
100	Xâ€ray Structures and Thermodynamics of the Interaction of PAâ€IIL from <i>Pseudomonas aeruginosa</i> with Disaccharide Derivatives. ChemMedChem, 2007, 2, 1328-1338.	3.2	61
101	AFM investigation of Pseudomonas aeruginosa lectin LecA (PA-IL) filaments induced by multivalent glycoclusters. Chemical Communications, 2011, 47, 9483.	4.1	61
102	Burkholderia cenocepacia BC2L-C Is a Super Lectin with Dual Specificity and Proinflammatory Activity. PLoS Pathogens, 2011, 7, e1002238.	4.7	61
103	Langerin–Heparin Interaction: Two Binding Sites for Small and Large Ligands As Revealed by a Combination of NMR Spectroscopy and Cross-Linking Mapping Experiments. Journal of the American Chemical Society, 2015, 137, 4100-4110.	13.7	61
104	The <i>β</i> -Glucosidases Responsible for Bioactivation of Hydroxynitrile Glucosides in <i>Lotus japonicus</i> Â Â. Plant Physiology, 2008, 147, 1072-1091.	4.8	60
105	Structural basis of carbohydrate recognition by lectin II from Ulex europaeus , a protein with a promiscuous carbohydrate-binding site 1 1Edited by R. Huber. Journal of Molecular Biology, 2000, 301, 987-1002.	4.2	59
106	Determination of Catalytic Key Amino Acids and UDP Sugar Donor Specificity of the Cyanohydrin Glycosyltransferase UGT85B1 from Sorghum bicolor. Molecular Modeling Substantiated by Site-Specific Mutagenesis and Biochemical Analyses. Plant Physiology, 2005, 139, 664-673.	4.8	59
107	Impact of Processing on the Noncovalent Interactions between Procyanidin and Apple Cell Wall. Journal of Agricultural and Food Chemistry, 2012, 60, 9484-9494.	5.2	59
108	Synthesis of Multivalent Carbohydrateâ€Centered Glycoclusters as Nanomolar Ligands of the Bacterial Lectin LecA from <i>Pseudomonas aeruginosa</i> . Chemistry - A European Journal, 2013, 19, 9272-9285.	3.3	59

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109	Synthesis and binding properties of divalent and trivalent clusters of the Lewis a disaccharide moiety to Pseudomonas aeruginosa lectin PA-IIL. Organic and Biomolecular Chemistry, 2007, 5, 2953.	2.8	58
110	Structure-Function Similarities between a Plant Receptor-like Kinase and the Human Interleukin-1 Receptor-associated Kinase-4. Journal of Biological Chemistry, 2011, 286, 11202-11210.	3.4	58
111	Molecular modelling of protein–carbohydrate interactions. Understanding the specificities of two legume lectins towards oligosaccharides. Clycobiology, 1994, 4, 351-366.	2.5	57
112	Investigation of the complexation of (+)-catechin by β-cyclodextrin by a combination of NMR, microcalorimetry and molecular modeling techniques. Organic and Biomolecular Chemistry, 2003, 1, 2590-2595.	2.8	57
113	Structural basis for recognition of breast and colon cancer epitopes Tn antigen and Forssman disaccharide by Helix pomatia lectin. Glycobiology, 2007, 17, 1077-1083.	2.5	56
114	Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. Angewandte Chemie - International Edition, 2017, 56, 16559-16564.	13.8	56
115	Transglutaminase-2 Interaction with Heparin. Journal of Biological Chemistry, 2012, 287, 18005-18017.	3.4	55
116	Solution conformation of a pectin fragment disaccharide using molecular modelling and nuclear magnetic resonance. International Journal of Biological Macromolecules, 1992, 14, 313-320.	7.5	54
117	High Affinity Clycodendrimers for the Lectin LecB from Pseudomonas aeruginosa. Bioconjugate Chemistry, 2013, 24, 1598-1611.	3.6	54
118	CuAAC synthesis of resorcin[4]arene-based glycoclusters as multivalent ligands of lectins. Organic and Biomolecular Chemistry, 2011, 9, 6587.	2.8	53
119	Membrane Deformation by Neolectins with Engineered Glycolipid Binding Sites. Angewandte Chemie - International Edition, 2014, 53, 9267-9270.	13.8	53
120	Structural Insight into Multivalent Galactoside Binding to <i>Pseudomonas aeruginosa</i> Lectin LecA. ACS Chemical Biology, 2015, 10, 2455-2462.	3.4	52
121	Crystal structure and conformational features of $\hat{I}\pm$ -panose. Carbohydrate Research, 1988, 181, 41-55.	2.3	51
122	Isolectins I-A and I-B of Griffonia(Bandeiraea) simplicifolia. Journal of Biological Chemistry, 2002, 277, 6608-6614.	3.4	51
123	Crystal Structure of Pterocarpus angolensis Lectin in Complex with Glucose, Sucrose, and Turanose. Journal of Biological Chemistry, 2003, 278, 16297-16303.	3.4	50
124	Three-dimensional representations of complex carbohydrates and polysaccharidesSweetUnityMol: A video game-based computer graphic software. Glycobiology, 2015, 25, 483-491.	2.5	50
125	The virulence factor LecB varies in clinical isolates: consequences for ligand binding and drug discovery. Chemical Science, 2016, 7, 4990-5001.	7.4	50
126	Modelling of arabinofuranose and arabinan. Part 1: conformational flexibility of the arabinofuranose ring. Carbohydrate Research, 1993, 248, 81-93.	2.3	49

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127	Production, Properties and Specificity of a New Bacterial L-Fucose-and D-Arabinose-Binding Lectin of the Plant Aggressive Pathogen Ralstonia solanacearum, and Its Comparison to Related Plant and Microbial Lectins. Journal of Biochemistry, 2002, 132, 353-358.	1.7	48
128	Structural basis of the affinity for oligomannosides and analogs displayed by BC2L-A, a Burkholderia cenocepacia soluble lectin. Glycobiology, 2010, 20, 87-98.	2.5	48
129	Lectin-mediated protocell crosslinking to mimic cell-cell junctions and adhesion. Scientific Reports, 2018, 8, 1932.	3.3	48
130	Mannosylated Poly(ethylene oxide)-b-Poly(ε-caprolactone) Diblock Copolymers:  Synthesis, Characterization, and Interaction with a Bacterial Lectin. Biomacromolecules, 2007, 8, 2717-2725.	5.4	46
131	Structure of Penicillium citrinum α1,2-Mannosidase Reveals the Basis for Differences in Specificity of the Endoplasmic Reticulum and Golgi Class I Enzymes. Journal of Biological Chemistry, 2002, 277, 5620-5630.	3.4	45
132	¹³ C-Labeled Heparan Sulfate Analogue as a Tool To Study Protein/Heparan Sulfate Interactions by NMR Spectroscopy: Application to the CXCL12α Chemokine. Journal of the American Chemical Society, 2011, 133, 9642-9645.	13.7	45
133	Anti-biofilm Agents against <i>Pseudomonas aeruginosa</i> : A Structure–Activity Relationship Study of <i>C</i> -Glycosidic LecB Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 9201-9216.	6.4	45
134	Molecular modeling of the interaction between heparan sulfate and cellular growth factors: Bringing pieces together. Glycobiology, 2011, 21, 1181-1193.	2.5	44
135	Multivalency effects on Pseudomonas aeruginosa biofilm inhibition and dispersal by glycopeptide dendrimers targeting lectin LecA. Organic and Biomolecular Chemistry, 2016, 14, 138-148.	2.8	44
136	X-ray structure determination and modeling of the cyclic tetrasaccharide 1→}. Carbohydrate Research, 2000, 329, 655-665.	2.3	43
137	Biochemical Characterization of the Histidine Triad Protein PhtD as a Cell Surface Zinc-Binding Protein of Pneumococcus. Biochemistry, 2011, 50, 3551-3558.	2.5	43
138	Molecular Basis of Arabinobio-hydrolase Activity in Phytopathogenic Fungi. Journal of Biological Chemistry, 2009, 284, 12285-12296.	3.4	42
139	Tetravalent glycocyclopeptide with nanomolar affinity to wheat germ agglutinin. Organic and Biomolecular Chemistry, 2013, 11, 7113.	2.8	42
140	Fucofullerenes as tight ligands of RSL and LecB, two bacterial lectins. Organic and Biomolecular Chemistry, 2015, 13, 6482-6492.	2.8	42
141	Pentavalent pillar[5]arene-based glycoclusters and their multivalent binding to pathogenic bacterial lectins. Organic and Biomolecular Chemistry, 2016, 14, 3476-3481.	2.8	42
142	The Pseudomonas aeruginosa lectin LecA triggers host cell signalling by glycosphingolipid-dependent phosphorylation of the adaptor protein CrkII. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1236-1245.	4.1	42
143	Toward a Better Understanding of the Basis of the Molecular Mimicry of Polysaccharide Antigens by Peptides. Journal of Biological Chemistry, 2006, 281, 2317-2332.	3.4	41
144	Engineering of PA-IIL lectin from Pseudomonas aeruginosa – Unravelling the role of the specificity loop for sugar preference. BMC Structural Biology, 2007, 7, 36.	2.3	40

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145	Insights into the Mechanism by Which Interferon-Î ³ Basic Amino Acid Clusters Mediate Protein Binding to Heparan Sulfate. Journal of the American Chemical Society, 2013, 135, 9384-9390.	13.7	40
146	Pseudomonas aeruginosa lectin LecB inhibits tissue repair processes by triggering β-catenin degradation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1106-1118.	4.1	40
147	The monosaccharide binding site of lentil lectin: an X-ray and molecular modelling study. Glycoconjugate Journal, 1994, 11, 507-517.	2.7	39
148	Reduction of Lectin Valency Drastically Changes Glycolipid Dynamics in Membranes but Not Surface Avidity. ACS Chemical Biology, 2013, 8, 1918-1924.	3.4	39
149	Genomic Rearrangements and Functional Diversification of lecA and lecB Lectin-Coding Regions Impacting the Efficacy of Glycomimetics Directed against Pseudomonas aeruginosa. Frontiers in Microbiology, 2016, 7, 811.	3.5	39
150	Experimental Proof for the Structure of a Thrombin-Inhibiting Heparin Molecule. Chemistry - A European Journal, 2001, 7, 858-873.	3.3	38
151	Molecular Modeling and Site-directed Mutagenesis of Plant Chloroplast Monogalactosyldiacylglycerol Synthase Reveal Critical Residues for Activity. Journal of Biological Chemistry, 2005, 280, 34691-34701.	3.4	38
152	Conformational Studies on Five Octasaccharides Isolated from Chondroitin Sulfate Using NMR Spectroscopy and Molecular Modelingâ€. Biochemistry, 2007, 46, 1167-1175.	2.5	38
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