Anne Imberty

List of Publications by Year
in descending order

338 papers	19,656 citations	8159 76 h-index	17546 121 g-index
363 all docs	363 docs citations	363 times ranked	15060 citing authors

#	Article	IF	Citations
1	Druggable Allosteric Sites in Î²â€Propeller Lectins. Angewandte Chemie - International Edition, 2022, 61, e202109339.	7.2	12
2	DruggableÂallosteric sites in Î²â€propeller lectins. Angewandte Chemie, 2022, 134, e202109339.	1.6	0
3	Neutron crystallography reveals mechanisms used by Pseudomonas aeruginosa for host-cell binding. Nature Communications, 2022, 13, 194.	5.8	13
4	Engineering the Ligand Specificity of the Human Galectinâ€1 by Incorporation of Tryptophan Analogues. ChemBioChem, 2022, , .	1.3	2
5	Lipopolysaccharides at Solid and Liquid Interfaces: Models for Biophysical Studies of the Gram-negative Bacterial Outer Membrane. Advances in Colloid and Interface Science, 2022, 301, 102603.	7.0	23
6	A Bacterial Mannose Binding Lectin as a Tool for the Enrichment of C- and O-Mannosylated Peptides. Analytical Chemistry, 2022, 94, 7329-7338.	3.2	8
7	The Lectin LecB Induces Patches with Basolateral Characteristics at the Apical Membrane to Promote Pseudomonas aeruginosa Host Cell Invasion. MBio, 2022, 13, e0081922.	1.8	1
8	Targeting undruggable carbohydrate recognition sites through focused fragment library design. Communications Chemistry, 2022, 5, .	2.0	9
9	Production of perdeuterated fucose from glyco-engineered bacteria. Glycobiology, 2021, 31, 151-158.	1.3	6
10	Nonâ€Carbohydrate Glycomimetics as Inhibitors of Calcium(II)â€Binding Lectins. Angewandte Chemie, 2021, 133, 8185-8195.	1.6	3
11	Nonâ€Carbohydrate Glycomimetics as Inhibitors of Calcium(II)â€Binding Lectins. Angewandte Chemie - International Edition, 2021, 60, 8104-8114.	7.2	17
12	Prediction and Validation of a Druggable Site on Virulence Factor of Drug Resistant <i>Burkholderia cenocepacia</i>**. Chemistry - A European Journal, 2021, 27, 10341-10348.	1.7	6
13	Proteome-wide prediction of bacterial carbohydrate-binding proteins as a tool for understanding commensal and pathogen colonisation of the vaginal microbiome. Npj Biofilms and Microbiomes, 2021, 7, 49.	2.9	11
14	A Comprehensive Phylogenetic and Bioinformatics Survey of Lectins in the Fungal Kingdom. Journal of Fungi (Basel, Switzerland), 2021, 7, 453.	1.5	19
15	Structural Diversities of Lectins Binding to the Glycosphingolipid Gb3. Frontiers in Molecular Biosciences, 2021, 8, 704685.	1.6	23
16	Visualization of hydrogen atoms in a perdeuterated lectin-fucose complex reveals key details of protein-carbohydrate interactions. Structure, 2021, 29, 1003-1013.e4.	1.6	8
17	Pillar[5]arene-Based Polycationic Glyco[2]rotaxanes Designed as <i>Pseudomonas aeruginosa</i> Antibiofilm Agents. Journal of Medicinal Chemistry, 2021, 64, 14728-14744.	2.9	11
18	Adsorption characterization of various modified Î²-cyclodextrins onto TEMPO-oxidized cellulose nanofibril membranes and cryogels. Sustainable Chemistry and Pharmacy, 2021, 24, 100523.	1.6	6

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19	LectomeXplore, an update of UniLectin for the discovery of carbohydrate-binding proteins based on a new lectin classification. Nucleic Acids Research, 2021, 49, D1548-D1554.	6.5	31
20	The Two Sweet Sides of Janus Lectin Drive Crosslinking of Liposomes to Cancer Cells and Material Uptake. Toxins, 2021, 13, 792.	1.5	12
21	UniLectin, A Oneâ€Stopâ€Shop to Explore andÂStudyÂCarbohydrateâ€BindingÂProteins. Current Protocols, 2021, 1, e305.	1.3	4
22	Targeting the Central Pocket of the Pseudomonas aeruginosa Lectin LecA. ChemBioChem, 2021, , .	1.3	12
23	Structure and engineering of tandem repeat lectins. Current Opinion in Structural Biology, 2020, 62, 39-47.	2.6	29
24	Characterization of novel lectins from Burkholderia pseudomallei and Chromobacterium violaceum with seven-bladed Î²-propeller fold. International Journal of Biological Macromolecules, 2020, 152, 1113-1124.	3.6	5
25	GAG-DB, the New Interface of the Three-Dimensional Landscape of Glycosaminoglycans. Biomolecules, 2020, 10, 1660.	1.8	16
26	Fucosylated ubiquitin and orthogonally glycosylated mutant A28C: conceptually new ligands for <i>Burkholderia ambifaria</i> lectin (BambL). Chemical Science, 2020, 11, 12662-12670.	3.7	8
27	A rapid synthesis of low-nanomolar divalent LecA inhibitors in four linear steps from <scp>d</scp>-galactose pentaacetate. Chemical Communications, 2020, 56, 8822-8825.	2.2	19
28	PNA-Based Dynamic Combinatorial Libraries (PDCL) and screening of lectins. Bioorganic and Medicinal Chemistry, 2020, 28, 115458.	1.4	13
29	The Pseudomonas aeruginosa Lectin LecB Causes Integrin Internalization and Inhibits Epithelial Wound Healing. MBio, 2020, 11, .	1.8	31
30	Structural Database for Lectins and the UniLectin Web Platform. Methods in Molecular Biology, 2020, 2132, 1-14.	0.4	10
31	LecB, a High Affinity Soluble Fucose-Binding Lectin from Pseudomonas aeruginosa. Methods in Molecular Biology, 2020, 2132, 475-482.	0.4	0
32	LecA (PA-IL): A Galactose-Binding Lectin from Pseudomonas aeruginosa. Methods in Molecular Biology, 2020, 2132, 257-266.	0.4	8
33	Heteroglycoclusters With Dual Nanomolar Affinities for the Lectins LecA and LecB From Pseudomonas aeruginosa. Frontiers in Chemistry, 2019, 7, 666.	1.8	17
34	Anti-biofilm Agents against <i>Pseudomonas aeruginosa</i>: A Structureâ€"Activity Relationship Study of <i>C</i>-Glycosidic LecB Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 9201-9216.	2.9	45
35	Stereoselective Synthesis of Fluorinated Galactopyranosides as Potential Molecular Probes for Galactophilic Proteins: Assessment of Monofluorogalactosideâ€"LecA Interactions. Chemistry - A European Journal, 2019, 25, 4478-4490.	1.7	32
36	Selective high-resolution DNP-enhanced NMR of biomolecular binding sites. Chemical Science, 2019, 10, 3366-3374.	3.7	18

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37	Induction of rare conformation of oligosaccharide by binding to calcium-dependent bacterial lectin: X-ray crystallography and modelling study. European Journal of Medicinal Chemistry, 2019, 177, 212-220.	2.6	6
38	A Bioinformatics View of Glycanâ€“Virus Interactions. Viruses, 2019, 11, 374.	1.5	4
39	Synthetic glycobiology. Interface Focus, 2019, 9, 20190004.	1.5	5
40	Carbohydrate-dependent B cell activation by fucose-binding bacterial lectins. Science Signaling, 2019, 12, .	1.6	35
41	Architecture and Evolution of Blade Assembly in Î²-propeller Lectins. Structure, 2019, 27, 764-775.e3.	1.6	27
42	Expeditious Synthesis of <i>C</i>-Glycosyl Barbiturate Ligands of Bacterial Lectins: From Monomer Design to Glycoclusters and Glycopolymers. Bioconjugate Chemistry, 2019, 30, 647-656.	1.8	5
43	UniLectin3D, a database of carbohydrate binding proteins with curated information on 3D structures and interacting ligands. Nucleic Acids Research, 2019, 47, D1236-D1244.	6.5	82
44	Lectin-mediated protocell crosslinking to mimic cell-cell junctions and adhesion. Scientific Reports, 2018, 8, 1932.	1.6	48
45	Glycomimetic, Orally Bioavailable LecB Inhibitors Block Biofilm Formation of <i>Pseudomonas aeruginosa</i>. Journal of the American Chemical Society, 2018, 140, 2537-2545.	6.6	97
46	Multivalent Glycomimetics with Affinity and Selectivity toward Fucose-Binding Receptors from Emerging Pathogens. Bioconjugate Chemistry, 2018, 29, 83-88.	1.8	25
47	Tetraphenylethylene-based glycoclusters with aggregation-induced emission (AIE) properties as high-affinity ligands of bacterial lectins. Organic and Biomolecular Chemistry, 2018, 16, 8804-8809.	1.5	25
48	Specific Targeting of Plant and Apicomplexa Parasite Tubulin through Differential Screening Using In Silico and Assay-Based Approaches. International Journal of Molecular Sciences, 2018, 19, 3085.	1.8	10
49	Human Bronchial Epithelial Cells Inhibit Aspergillus fumigatus Germination of Extracellular Conidia via FleA Recognition. Scientific Reports, 2018, 8, 15699.	1.6	35
50	Effect of Noncanonical Amino Acids on Proteinâ€“Carbohydrate Interactions: Structure, Dynamics, and Carbohydrate Affinity of a Lectin Engineered with Fluorinated Tryptophan Analogs. ACS Chemical Biology, 2018, 13, 2211-2219.	1.6	22
51	Virtual Screening Against Carbohydrate-Binding Proteins: Evaluation and Application to Bacterial <i>Burkholderia ambifaria</i> Lectin. Journal of Chemical Information and Modeling, 2018, 58, 1976-1989.	2.5	9
52	Tailor-made Janus lectin with dual avidity assembles glycoconjugate multilayers and crosslinks protocells. Chemical Science, 2018, 9, 7634-7641.	3.7	30
53	Biophysical characterization and structural determination of the potent cytotoxic<i>Psathyrella asperospora</i>lectin. Proteins: Structure, Function and Bioinformatics, 2017, 85, 969-975.	1.5	10
54	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.	1.9	42

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55	Dynamic Cooperative Glycan Assembly Blocks the Binding of Bacterial Lectins to Epithelial Cells. Angewandte Chemie - International Edition, 2017, 56, 6762-6766.	7.2	38
56	Dynamic Cooperative Glycan Assembly Blocks the Binding of Bacterial Lectins to Epithelial Cells. Angewandte Chemie, 2017, 129, 6866-6870.	1.6	9
57	Histo-blood group antigens as mediators of infections. Current Opinion in Structural Biology, 2017, 44, 190-200.	2.6	72
58	Gb3-binding lectins as potential carriers for transcellular drug delivery. Expert Opinion on Drug Delivery, 2017, 14, 141-153.	2.4	34
59	Glyco3D: A Suite of Interlinked Databases of 3D Structures of Complex Carbohydrates, Lectins, Antibodies, and Glycosyltransferases. , 2017, , 133-161.		3
60	Synthesis of Mannosylated Glycodendrimers and Evaluation against BC2Lâ€A Lectin from <i>Burkholderia Cenocepacia</i>. ChemPlusChem, 2017, 82, 390-398.	1.3	16
61	Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. Angewandte Chemie - International Edition, 2017, 56, 16559-16564.	7.2	56
62	Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. Angewandte Chemie, 2017, 129, 16786-16791.	1.6	12
63	Perylenediimide-based glycoclusters as high affinity ligands of bacterial lectins: synthesis, binding studies and anti-adhesive properties. Organic and Biomolecular Chemistry, 2017, 15, 10037-10043.	1.5	14
64	Recombinant fungal lectin as a new tool to investigate<i>O</i>-GlcNAcylation processes. Glycobiology, 2017, 27, 123-128.	1.3	22
65	Molecular Simulations of Carbohydrates with a Fucose-Binding Burkholderia ambifaria Lectin Suggest Modulation by Surface Residues Outside the Fucose-Binding Pocket. Frontiers in Pharmacology, 2017, 8, 393.	1.6	8
66	<i>O</i>-Alkylated heavy atom carbohydrate probes for protein X-ray crystallography: Studies towards the synthesis of methyl 2-<i>O</i>-methyl-L-selenofucopyranoside. Beilstein Journal of Organic Chemistry, 2016, 12, 2828-2833.	1.3	6
67	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.	1.5	39
68	Characterization of a high-affinity sialic acid-specific CBM40 from <i>Clostridium perfringens</i> and engineering of a divalent form. Biochemical Journal, 2016, 473, 2109-2118.	1.7	32
69	Pillar[5]areneâ€Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. Chemistry - A European Journal, 2016, 22, 2955-2963.	1.7	64
70	Biologically Active Heteroglycoclusters Constructed on a Pillar[5]areneâ€Containing [2]Rotaxane Scaffold. Chemistry - A European Journal, 2016, 22, 88-92.	1.7	62
71	The virulence factor LecB varies in clinical isolates: consequences for ligand binding and drug discovery. Chemical Science, 2016, 7, 4990-5001.	3.7	50
72	â€œRules of Engagementâ€•of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. ChemistryOpen, 2016, 5, 274-296.	0.9	62

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73	Cyclotriveratryleneâ€Based Glycoclusters as High Affinity Ligands of Bacterial Lectins from <i>Pseudomonas aeruginosa</i> and <i>Burkholderia ambifaria</i>. ChemistrySelect, 2016, 1, 5863-5868.	0.7	6
74	Biochemical and structural characterization of the novel sialic acid-binding site of Escherichia coli heat-labile enterotoxin LT-IIb. Biochemical Journal, 2016, 473, 3923-3936.	1.7	9
75	The Hidden Conformation of Lewis x, a Human Histo-Blood Group Antigen, Is a Determinant for Recognition by Pathogen Lectins. ACS Chemical Biology, 2016, 11, 2011-2020.	1.6	37
76	Overcoming antibiotic resistance in Pseudomonas aeruginosa biofilms using glycopeptide dendrimers. Chemical Science, 2016, 7, 166-182.	3.7	92
77	Pseudomonas aeruginosa lectin LecB inhibits tissue repair processes by triggering Î²-catenin degradation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1106-1118.	1.9	40
78	Pillar[5]areneâ€Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. Chemistry - A European Journal, 2016, 22, 2837-2837.	1.7	1
79	Pentavalent pillar[5]arene-based glycoclusters and their multivalent binding to pathogenic bacterial lectins. Organic and Biomolecular Chemistry, 2016, 14, 3476-3481.	1.5	42
80	Development of a competitive binding assay for the Burkholderia cenocepacia lectin BC2L-A and structure activity relationship of natural and synthetic inhibitors. MedChemComm, 2016, 7, 519-530.	3.5	20
81	Multivalency effects on Pseudomonas aeruginosa biofilm inhibition and dispersal by glycopeptide dendrimers targeting lectin LecA. Organic and Biomolecular Chemistry, 2016, 14, 138-148.	1.5	44
82	Carcinoma-associated fucosylated antigens are markers of the epithelial state and can contribute to cell adhesion through<i>CLEC17A</i>(Prolectin). Oncotarget, 2016, 7, 14064-14082.	0.8	17
83	Cinnamide Derivatives of <scp>d</scp> -Mannose as Inhibitors of the Bacterial Virulence Factor LecB from <i>Pseudomonas aeruginosa</i>. ChemistryOpen, 2015, 4, 756-767.	0.9	35
84	The interplay of autophagy and Î²-Catenin signaling regulates differentiation in acute myeloid leukemia. Cell Death Discovery, 2015, 1, 15031.	2.0	26
85	Structural insights into<i>Aspergillus fumigatus</i>lectin specificity: AFL binding sites are functionally non-equivalent. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 442-453.	2.5	27
86	Fucofullerenes as tight ligands of RSL and LecB, two bacterial lectins. Organic and Biomolecular Chemistry, 2015, 13, 6482-6492.	1.5	42
87	Algal lectin binding to core (Î±1â€“6) fucosylated N-glycans: Structural basis for specificity and production of recombinant protein. Glycobiology, 2015, 25, 607-616.	1.3	17
88	Mannose-centered aromatic galactoclusters inhibit the biofilm formation of Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2015, 13, 8433-8444.	1.5	35
89	Langerinâ€“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.	6.6	61
90	Structural Insight into Multivalent Galactoside Binding to <i>Pseudomonas aeruginosa</i> Lectin LecA. ACS Chemical Biology, 2015, 10, 2455-2462.	1.6	52

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91	Three-dimensional representations of complex carbohydrates and polysaccharides--SweetUnityMol: A video game-based computer graphic software. Glycobiology, 2015, 25, 483-491.	1.3	50
92	Glycomimetics versus Multivalent Glycoconjugates for the Design of High Affinity Lectin Ligands. Chemical Reviews, 2015, 115, 525-561.	23.0	439
93	Glyco3D: A Portal for Structural Glycosciences. Methods in Molecular Biology, 2015, 1273, 241-258.	0.4	77
94	A Recombinant Fungal Lectin for Labeling Truncated Glycans on Human Cancer Cells. PLoS ONE, 2015, 10, e0128190.	1.1	25
95	3D-Lectin Database. , 2015, , 283-289.		0
96	A lipid zipper triggers bacterial invasion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12895-12900.	3.3	127
97	Antiadhesive Properties of Glycoclusters against <i>Pseudomonas aeruginosa</i> Lung Infection. Journal of Medicinal Chemistry, 2014, 57, 10275-10289.	2.9	117
98	Structures of a human blood group glycosyltransferase in complex with a photo-activatable UDP-Gal derivative reveal two different binding conformations. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1015-1021.	0.4	3
99	Neutral sugar side chains of pectins limit interactions with procyanidins. Carbohydrate Polymers, 2014, 99, 527-536.	5.1	75
100	Importance of the polarity of the glycosaminoglycan chain on the interaction with FGF-1. Glycobiology, 2014, 24, 1004-1009.	1.3	24
101	Membrane Deformation by Neolectins with Engineered Glycolipid Binding Sites. Angewandte Chemie - International Edition, 2014, 53, 9267-9270.	7.2	53
102	PNAâ€Encoded Synthesis (PES) of a 10â€‰000â€Member Heteroâ€Glycoconjugate Library and Microarray Analysis of Diverse Lectins. ChemBioChem, 2014, 15, 2058-2065.	1.3	36
103	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.	7.2	85
104	Monitoring Lectin Interactions with Carbohydrates. Methods in Molecular Biology, 2014, 1149, 403-414.	0.4	6
105	Secondary sugar binding site identified for LecA lectin from <i>Pseudomonas aeruginosa</i>. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1060-1065.	1.5	18
106	Expeditive synthesis of trithiotriazine-cored glycoclusters and inhibition of Pseudomonas aeruginosa biofilm formation. Beilstein Journal of Organic Chemistry, 2014, 10, 1981-1990.	1.3	13
107	3D-Lectin Database. , 2014, , 1-7.		2
108	Fungal lectins: structure, function and potential applications. Current Opinion in Structural Biology, 2013, 23, 678-685.	2.6	116

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109	Reduction of Lectin Valency Drastically Changes Glycolipid Dynamics in Membranes but Not Surface Avidity. ACS Chemical Biology, 2013, 8, 1918-1924.	1.6	39
110	Mapping of heparin/heparan sulfate binding sites on Î±vÎ²3 integrin by molecular docking. Journal of Molecular Recognition, 2013, 26, 76-85.	1.1	32
111	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.	1.7	59
112	Molecular arrangement between multivalent glycocluster and <i>Pseudomonas aeruginosa</i> LecA (PAâ€‘IL) by atomic force microscopy: influence of the glycocluster concentration. Journal of Molecular Recognition, 2013, 26, 694-699.	1.1	14
113	Tetravalent glycocyclopeptide with nanomolar affinity to wheat germ agglutinin. Organic and Biomolecular Chemistry, 2013, 11, 7113.	1.5	42
114	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.	1.6	83
115	Conformational Preferences of the O-Antigen Polysaccharides of <i>Escherichia coli</i> O5ac and O5ab Using NMR Spectroscopy and Molecular Modeling. Biomacromolecules, 2013, 14, 2215-2224.	2.6	11
116	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.	1.6	83
117	Aromatic thioglycoside inhibitors against the virulence factor LecA from Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2013, 11, 6906.	1.5	81
118	Synthesis of branched-phosphodiester and mannose-centered fucosylated glycoclusters and their binding studies with Burkholderia ambifaria lectin (BambL). RSC Advances, 2013, 3, 19515.	1.7	18
119	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	18.7	464
120	Simulation of Carbohydrates, from Molecular Docking to Dynamics in Water. Methods in Molecular Biology, 2013, 924, 469-483.	0.4	20
121	Bacteria love our sugars: Interaction between soluble lectins and human fucosylated glycans, structures, thermodynamics and design of competing glycocompounds. Comptes Rendus Chimie, 2013, 16, 482-490.	0.2	28
122	Linear and cyclic oligo-β-(1→6)-D-glucosamines: Synthesis, conformations, and applications for design of a vaccine and oligodentate glycoconjugates. Pure and Applied Chemistry, 2013, 85, 1879-1891.	0.9	18
123	Insights into the Mechanism by Which Interferon-Î³ Basic Amino Acid Clusters Mediate Protein Binding to Heparan Sulfate. Journal of the American Chemical Society, 2013, 135, 9384-9390.	6.6	40
124	Synthesis of a selective inhibitor of a fucose binding bacterial lectin from Burkholderia ambifaria. Organic and Biomolecular Chemistry, 2013, 11, 4086.	1.5	26
125	Binding sugars: from natural lectins to synthetic receptors and engineered neolectins. Chemical Society Reviews, 2013, 42, 4798.	18.7	151
126	High Affinity Glycodendrimers for the Lectin LecB from Pseudomonas aeruginosa. Bioconjugate Chemistry, 2013, 24, 1598-1611.	1.8	54

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127	Interactions between Pectic Compounds and Procyanidins are Influenced by Methylation Degree and Chain Length. Biomacromolecules, 2013, 14, 709-718.	2.6	97
128	Influence of ligand presentation density on the molecular recognition of mannose-functionalised glyconanoparticles by bacterial lectin BC2L-A. Glycoconjugate Journal, 2013, 30, 747-757.	1.4	24
129	Deciphering the Glycan Preference of Bacterial Lectins by Glycan Array and Molecular Docking with Validation by Microcalorimetry and Crystallography. PLoS ONE, 2013, 8, e71149.	1.1	25
130	A Soluble Fucose-Specific Lectin from Aspergillus fumigatus Conidia - Structure, Specificity and Possible Role in Fungal Pathogenicity. PLoS ONE, 2013, 8, e83077.	1.1	87
131	A Lectin from Platypodium elegans with Unusual Specificity and Affinity for Asymmetric Complex N-Glycans. Journal of Biological Chemistry, 2012, 287, 26352-26364.	1.6	26
132	Fucose-binding Lectin from Opportunistic Pathogen Burkholderia ambifaria Binds to Both Plant and Human Oligosaccharidic Epitopes. Journal of Biological Chemistry, 2012, 287, 4335-4347.	1.6	92
133	Detection of Lectins using Glyco-Functionalized Nanosensors. Materials Research Society Symposia Proceedings, 2012, 1451, 191-196.	0.1	1
134	Impact of Processing on the Noncovalent Interactions between Procyanidin and Apple Cell Wall. Journal of Agricultural and Food Chemistry, 2012, 60, 9484-9494.	2.4	59
135	Electronic Detection of Lectins Using Carbohydrate-Functionalized Nanostructures: Graphene <i>versus</i> Carbon Nanotubes. ACS Nano, 2012, 6, 760-770.	7.3	112
136	Transglutaminase-2 Interaction with Heparin. Journal of Biological Chemistry, 2012, 287, 18005-18017.	1.6	55
137	Multivalent Gold Glycoclusters: High Affinity Molecular Recognition by Bacterial Lectin PAâ€łL. Chemistry - A European Journal, 2012, 18, 4264-4273.	1.7	80
138	Rational Design and Synthesis of Optimized Glycoclusters for Multivalent Lectinâ€“Carbohydrate Interactions: Influence of the Linker Arm. Chemistry - A European Journal, 2012, 18, 6250-6263.	1.7	100
139	Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide. Glycobiology, 2012, 22, 1387-1398.	1.3	31
140	Synthesis of lactosylated glycoclusters and inhibition studies with plant and human lectins. Carbohydrate Research, 2012, 356, 132-141.	1.1	36
141	Molecular model of human heparanase with proposed binding mode of a heparan sulfate oligosaccharide and catalytic amino acids. Biopolymers, 2012, 97, 21-34.	1.2	19
142	Bacterial Lectins and Adhesins: Structures, Ligands and Functions. , 2012, , 3-11.		0
143	Spectroscopic Characterization of the Metal-Binding Sites in the Periplasmic Metal-Sensor Domain of CnrX from <i>Cupriavidus metallidurans</i> CH34. Biochemistry, 2011, 50, 9036-9045.	1.2	10
144	Molecular modeling of the interaction between heparan sulfate and cellular growth factors: Bringing pieces together. Glycobiology, 2011, 21, 1181-1193.	1.3	44

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145	Biochemical Characterization of the Histidine Triad Protein PhtD as a Cell Surface Zinc-Binding Protein of Pneumococcus. Biochemistry, 2011, 50, 3551-3558.	1.2	43
146	¹³C-Labeled Heparan Sulfate Analogue as a Tool To Study Protein/Heparan Sulfate Interactions by NMR Spectroscopy: Application to the CXCL12Î± Chemokine. Journal of the American Chemical Society, 2011, 133, 9642-9645.	6.6	45
147	Nanoelectronic Detection of Lectin-Carbohydrate Interactions Using Carbon Nanotubes. Nano Letters, 2011, 11, 170-175.	4.5	96
148	Low-Temperature Neutron Diffraction Structures of <i>N</i>-Glycoprotein Linkage Models and Analogues: Structure Refinement and Trifurcated Hydrogen Bonds. Journal of the American Chemical Society, 2011, 133, 10042-10045.	6.6	9
149	CuAAC synthesis of resorcin[4]arene-based glycoclusters as multivalent ligands of lectins. Organic and Biomolecular Chemistry, 2011, 9, 6587.	1.5	53
150	AFM investigation of Pseudomonas aeruginosa lectin LecA (PA-IL) filaments induced by multivalent glycoclusters. Chemical Communications, 2011, 47, 9483.	2.2	61
151	Current trends in the structure-activity relationships of sialyltransferases. Glycobiology, 2011, 21, 716-726.	1.3	134
152	Molecular Modeling Study of the Carbohydrate Region of the Endotoxin from <i>Burkholderia cenocepacia</i> ETâ€12. European Journal of Organic Chemistry, 2011, 2011, 5114-5122.	1.2	0
153	Selectivity among Two Lectins: Probing the Effect of Topology, Multivalency and Flexibility of â€œClickedâ€•Multivalent Glycoclusters. Chemistry - A European Journal, 2011, 17, 2146-2159.	1.7	108
154	Synthesis of Dodecavalent Fullereneâ€Based Glycoclusters and Evaluation of Their Binding Properties towards a Bacterial Lectin. Chemistry - A European Journal, 2011, 17, 3252-3261.	1.7	114
155	Combining Glycomimetic and Multivalent Strategies toward Designing Potent Bacterial Lectin Inhibitors. Chemistry - A European Journal, 2011, 17, 6545-6562.	1.7	94
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