# Anne Imberty

List of Publications by Year
in descending order



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|---|---|---|---|
| 338 papers | 19,656 citations | 8181 76 h-index | 17592 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. | 13.8 | 12 |
| 2 | DruggableÂallosteric sites in Î²â€propeller lectins. Angewandte Chemie, 2022, 134, e202109339. | 2.0 | 0 |
| 3 | Neutron crystallography reveals mechanisms used by Pseudomonas aeruginosa for host-cell binding. Nature Communications, 2022, 13, 194. | 12.8 | 13 |
| 4 | Engineering the Ligand Specificity of the Human Galectinâ€1 by Incorporation of Tryptophan Analogues. ChemBioChem, 2022, , . | 2.6 | 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. | 14.7 | 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. | 6.5 | 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. | 4.1 | 1 |
| 8 | Targeting undruggable carbohydrate recognition sites through focused fragment library design. Communications Chemistry, 2022, 5, . | 4.5 | 9 |
| 9 | Production of perdeuterated fucose from glyco-engineered bacteria. Glycobiology, 2021, 31, 151-158. | 2.5 | 6 |
| 10 | Nonâ€Carbohydrate Glycomimetics as Inhibitors of Calcium(II)â€Binding Lectins. Angewandte Chemie, 2021, 133, 8185-8195. | 2.0 | 3 |
| 11 | Nonâ€Carbohydrate Glycomimetics as Inhibitors of Calcium(II)â€Binding Lectins. Angewandte Chemie - International Edition, 2021, 60, 8104-8114. | 13.8 | 17 |
| 12 | Prediction and Validation of a Druggable Site on Virulence Factor of Drug Resistant Burkholderia cenocepacia**. Chemistry - A European Journal, 2021, 27, 10341-10348. | 3.3 | 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. | 6.4 | 11 |
| 14 | A Comprehensive Phylogenetic and Bioinformatics Survey of Lectins in the Fungal Kingdom. Journal of Fungi (Basel, Switzerland), 2021, 7, 453. | 3.5 | 19 |
| 15 | Structural Diversities of Lectins Binding to the Glycosphingolipid Gb3. Frontiers in Molecular Biosciences, 2021, 8, 704685. | 3.5 | 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. | 3.3 | 8 |
| 17 | Pillar[5]arene-Based Polycationic Glyco[2]rotaxanes Designed as Pseudomonas aeruginosa Antibiofilm Agents. Journal of Medicinal Chemistry, 2021, 64, 14728-14744. | 6.4 | 11 |
| 18 | Adsorption characterization of various modified Î²-cyclodextrins onto TEMPO-oxidized cellulose nanofibril membranes and cryogels. Sustainable Chemistry and Pharmacy, 2021, 24, 100523. | 3.3 | 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. | 14.5 | 31 |
| 20 | The Two Sweet Sides of Janus Lectin Drive Crosslinking of Liposomes to Cancer Cells and Material Uptake. Toxins, 2021, 13, 792. | 3.4 | 12 |
| 21 | UniLectin, A Oneâ€Stopâ€Shop to Explore andÂStudyÂCarbohydrateâ€BindingÂProteins. Current Protocols, 2021, 1, e305. | 2.9 | 4 |
| 22 | Targeting the Central Pocket of the Pseudomonas aeruginosa Lectin LecA. ChemBioChem, 2021, , . | 2.6 | 12 |
| 23 | Structure and engineering of tandem repeat lectins. Current Opinion in Structural Biology, 2020, 62, 39-47. | 5.7 | 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. | 7.5 | 5 |
| 25 | GAG-DB, the New Interface of the Three-Dimensional Landscape of Glycosaminoglycans. Biomolecules, 2020, 10, 1660. | 4.0 | 16 |
| 26 | Fucosylated ubiquitin and orthogonally glycosylated mutant A28C: conceptually new ligands for Burkholderia ambifaria lectin (BambL). Chemical Science, 2020, 11, 12662-12670. | 7.4 | 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. | 4.1 | 19 |
| 28 | PNA-Based Dynamic Combinatorial Libraries (PDCL) and screening of lectins. Bioorganic and Medicinal Chemistry, 2020, 28, 115458. | 3.0 | 13 |
| 29 | The Pseudomonas aeruginosa Lectin LecB Causes Integrin Internalization and Inhibits Epithelial Wound Healing. MBio, 2020, 11, . | 4.1 | 31 |
| 30 | Structural Database for Lectins and the UniLectin Web Platform. Methods in Molecular Biology, 2020, 2132, 1-14. | 0.9 | 10 |
| 31 | LecB, a High Affinity Soluble Fucose-Binding Lectin from Pseudomonas aeruginosa. Methods in Molecular Biology, 2020, 2132, 475-482. | 0.9 | 0 |
| 32 | LecA (PA-IL): A Galactose-Binding Lectin from Pseudomonas aeruginosa. Methods in Molecular Biology, 2020, 2132, 257-266. | 0.9 | 8 |
| 33 | Heteroglycoclusters With Dual Nanomolar Affinities for the Lectins LecA and LecB From Pseudomonas aeruginosa. Frontiers in Chemistry, 2019, 7, 666. | 3.6 | 17 |
| 34 | Anti-biofilm Agents against Pseudomonas aeruginosa: A Structureâ€“Activity Relationship Study of C-Glycosidic LecB Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 9201-9216. | 6.4 | 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. | 3.3 | 32 |
| 36 | Selective high-resolution DNP-enhanced NMR of biomolecular binding sites. Chemical Science, 2019, 10, 3366-3374. | 7.4 | 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. | 5.5 | 6 |
| 38 | A Bioinformatics View of Glycanâ€“Virus Interactions. Viruses, 2019, 11, 374. | 3.3 | 4 |
| 39 | Synthetic glycobiology. Interface Focus, 2019, 9, 20190004. | 3.0 | 5 |
| 40 | Carbohydrate-dependent B cell activation by fucose-binding bacterial lectins. Science Signaling, 2019, 12, . | 3.6 | 35 |
| 41 | Architecture and Evolution of Blade Assembly in Î²-propeller Lectins. Structure, 2019, 27, 764-775.e3. | 3.3 | 27 |
| 42 | Expeditious Synthesis of C-Glycosyl Barbiturate Ligands of Bacterial Lectins: From Monomer Design to Glycoclusters and Glycopolymers. Bioconjugate Chemistry, 2019, 30, 647-656. | 3.6 | 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. | 14.5 | 82 |
| 44 | Lectin-mediated protocell crosslinking to mimic cell-cell junctions and adhesion. Scientific Reports, 2018, 8, 1932. | 3.3 | 48 |
| 45 | Glycomimetic, Orally Bioavailable LecB Inhibitors Block Biofilm Formation of Pseudomonas aeruginosa. Journal of the American Chemical Society, 2018, 140, 2537-2545. | 13.7 | 97 |
| 46 | Multivalent Glycomimetics with Affinity and Selectivity toward Fucose-Binding Receptors from Emerging Pathogens. Bioconjugate Chemistry, 2018, 29, 83-88. | 3.6 | 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. | 2.8 | 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. | 4.1 | 10 |
| 49 | Human Bronchial Epithelial Cells Inhibit Aspergillus fumigatus Germination of Extracellular Conidia via FleA Recognition. Scientific Reports, 2018, 8, 15699. | 3.3 | 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. | 3.4 | 22 |
| 51 | Virtual Screening Against Carbohydrate-Binding Proteins: Evaluation and Application to Bacterial Burkholderia ambifaria Lectin. Journal of Chemical Information and Modeling, 2018, 58, 1976-1989. | 5.4 | 9 |
| 52 | Tailor-made Janus lectin with dual avidity assembles glycoconjugate multilayers and crosslinks protocells. Chemical Science, 2018, 9, 7634-7641. | 7.4 | 30 |
| 53 | Biophysical characterization and structural determination of the potent cytotoxicPsathyrella asperosporalectin. Proteins: Structure, Function and Bioinformatics, 2017, 85, 969-975. | 2.6 | 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. | 4.1 | 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. | 13.8 | 38 |
| 56 | Dynamic Cooperative Glycan Assembly Blocks the Binding of Bacterial Lectins to Epithelial Cells. Angewandte Chemie, 2017, 129, 6866-6870. | 2.0 | 9 |
| 57 | Histo-blood group antigens as mediators of infections. Current Opinion in Structural Biology, 2017, 44, 190-200. | 5.7 | 72 |
| 58 | Gb3-binding lectins as potential carriers for transcellular drug delivery. Expert Opinion on Drug Delivery, 2017, 14, 141-153. | 5.0 | 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 Burkholderia Cenocepacia. ChemPlusChem, 2017, 82, 390-398. | 2.8 | 16 |
| 61 | Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. Angewandte Chemie - International Edition, 2017, 56, 16559-16564. | 13.8 | 56 |
| 62 | Covalent Lectin Inhibition and Application in Bacterial Biofilm Imaging. Angewandte Chemie, 2017, 129, 16786-16791. | 2.0 | 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. | 2.8 | 14 |
| 64 | Recombinant fungal lectin as a new tool to investigateO-GlcNAcylation processes. Glycobiology, 2017, 27, 123-128. | 2.5 | 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. | 3.5 | 8 |
| 66 | O-Alkylated heavy atom carbohydrate probes for protein X-ray crystallography: Studies towards the synthesis of methyl 2-O-methyl-L-selenofucopyranoside. Beilstein Journal of Organic Chemistry, 2016, 12, 2828-2833. | 2.2 | 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. | 3.5 | 39 |
| 68 | Characterization of a high-affinity sialic acid-specific CBM40 from Clostridium perfringens and engineering of a divalent form. Biochemical Journal, 2016, 473, 2109-2118. | 3.7 | 32 |
| 69 | Pillar[5]areneâ€Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. Chemistry - A European Journal, 2016, 22, 2955-2963. | 3.3 | 64 |
| 70 | Biologically Active Heteroglycoclusters Constructed on a Pillar[5]areneâ€Containing [2]Rotaxane Scaffold. Chemistry - A European Journal, 2016, 22, 88-92. | 3.3 | 62 |
| 71 | The virulence factor LecB varies in clinical isolates: consequences for ligand binding and drug discovery. Chemical Science, 2016, 7, 4990-5001. | 7.4 | 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. | 1.9 | 62 |

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| 73 | Cyclotriveratryleneâ€Based Glycoclusters as High Affinity Ligands of Bacterial Lectins from Pseudomonas aeruginosa and Burkholderia ambifaria. ChemistrySelect, 2016, 1, 5863-5868. | 1.5 | 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. | 3.7 | 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. | 3.4 | 37 |
| 76 | Overcoming antibiotic resistance in Pseudomonas aeruginosa biofilms using glycopeptide dendrimers. Chemical Science, 2016, 7, 166-182. | 7.4 | 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. | 4.1 | 40 |
| 78 | Pillar[5]areneâ€Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. Chemistry - A European Journal, 2016, 22, 2837-2837. | 3.3 | 1 |
| 79 | 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 |
| 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. | 3.4 | 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. | 2.8 | 44 |
| 82 | Carcinoma-associated fucosylated antigens are markers of the epithelial state and can contribute to cell adhesion throughCLEC17A(Prolectin). Oncotarget, 2016, 7, 14064-14082. | 1.8 | 17 |
| 83 | Cinnamide Derivatives of <scp>d</scp> -Mannose as Inhibitors of the Bacterial Virulence Factor LecB from Pseudomonas aeruginosa. ChemistryOpen, 2015, 4, 756-767. | 1.9 | 35 |
| 84 | The interplay of autophagy and Î²-Catenin signaling regulates differentiation in acute myeloid leukemia. Cell Death Discovery, 2015, 1, 15031. | 4.7 | 26 |
| 85 | Structural insights intoAspergillus fumigatuslectin specificity: AFL binding sites are functionally non-equivalent. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 442-453. | 2.5 | 27 |
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| 90 | Structural Insight into Multivalent Galactoside Binding to Pseudomonas aeruginosa Lectin LecA. ACS Chemical Biology, 2015, 10, 2455-2462. | 3.4 | 52 |

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| 92 | Glycomimetics versus Multivalent Glycoconjugates for the Design of High Affinity Lectin Ligands. Chemical Reviews, 2015, 115, 525-561. | 47.7 | 439 |
| 93 | Glyco3D: A Portal for Structural Glycosciences. Methods in Molecular Biology, 2015, 1273, 241-258. | 0.9 | 77 |
| 94 | A Recombinant Fungal Lectin for Labeling Truncated Glycans on Human Cancer Cells. PLoS ONE, 2015, 10, e0128190. | 2.5 | 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. | 7.1 | 127 |
| 97 | Antiadhesive Properties of Glycoclusters against Pseudomonas aeruginosa Lung Infection. Journal of Medicinal Chemistry, 2014, 57, 10275-10289. | 6.4 | 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. | 0.8 | 3 |
| 99 | Neutral sugar side chains of pectins limit interactions with procyanidins. Carbohydrate Polymers, 2014, 99, 527-536. | 10.2 | 75 |
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| 101 | Membrane Deformation by Neolectins with Engineered Glycolipid Binding Sites. Angewandte Chemie - International Edition, 2014, 53, 9267-9270. | 13.8 | 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. | 2.6 | 36 |
| 103 | A LecA Ligand Identified from a Galactosideâ€Conjugate Array Inhibits Host Cell Invasion by Pseudomonas aeruginosa. Angewandte Chemie - International Edition, 2014, 53, 8885-8889. | 13.8 | 85 |
| 104 | Monitoring Lectin Interactions with Carbohydrates. Methods in Molecular Biology, 2014, 1149, 403-414. | 0.9 | 6 |
| 105 | Secondary sugar binding site identified for LecA lectin from Pseudomonas aeruginosa. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1060-1065. | 2.6 | 18 |
| 106 | Expeditive synthesis of trithiotriazine-cored glycoclusters and inhibition of Pseudomonas aeruginosa biofilm formation. Beilstein Journal of Organic Chemistry, 2014, 10, 1981-1990. | 2.2 | 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. | 5.7 | 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. | 3.4 | 39 |
| 110 | Mapping of heparin/heparan sulfate binding sites on Î±vÎ²3 integrin by molecular docking. Journal of Molecular Recognition, 2013, 26, 76-85. | 2.1 | 32 |
| 111 | Synthesis of Multivalent Carbohydrateâ€Centered Glycoclusters as Nanomolar Ligands of the Bacterial Lectin LecA from Pseudomonas aeruginosa. Chemistry - A European Journal, 2013, 19, 9272-9285. | 3.3 | 59 |
| 112 | Molecular arrangement between multivalent glycocluster and Pseudomonas aeruginosa LecA (PAâ€L) by atomic force microscopy: influence of the glycocluster concentration. Journal of Molecular Recognition, 2013, 26, 694-699. | 2.1 | 14 |
| 113 | Tetravalent glycocyclopeptide with nanomolar affinity to wheat germ agglutinin. Organic and Biomolecular Chemistry, 2013, 11, 7113. | 2.8 | 42 |
| 114 | Discovery of Two Classes of Potent Glycomimetic Inhibitors of Pseudomonas aeruginosa LecB with Distinct Binding Modes. ACS Chemical Biology, 2013, 8, 1775-1784. | 3.4 | 83 |
| 115 | Conformational Preferences of the O-Antigen Polysaccharides of Escherichia coli O5ac and O5ab Using NMR Spectroscopy and Molecular Modeling. Biomacromolecules, 2013, 14, 2215-2224. | 5.4 | 11 |
| 116 | Lipo-chitooligosaccharidic Symbiotic Signals Are Recognized by LysM Receptor-Like Kinase LYR3 in the Legume Medicago truncatula. ACS Chemical Biology, 2013, 8, 1900-1906. | 3.4 | 83 |
| 117 | Aromatic thioglycoside inhibitors against the virulence factor LecA from Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2013, 11, 6906. | 2.8 | 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. | 3.6 | 18 |
| 119 | Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727. | 38.1 | 464 |
| 120 | Simulation of Carbohydrates, from Molecular Docking to Dynamics in Water. Methods in Molecular Biology, 2013, 924, 469-483. | 0.9 | 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. | 0.5 | 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. | 1.9 | 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. | 13.7 | 40 |
| 124 | Synthesis of a selective inhibitor of a fucose binding bacterial lectin from Burkholderia ambifaria. Organic and Biomolecular Chemistry, 2013, 11, 4086. | 2.8 | 26 |
| 125 | Binding sugars: from natural lectins to synthetic receptors and engineered neolectins. Chemical Society Reviews, 2013, 42, 4798. | 38.1 | 151 |
| 126 | High Affinity Glycodendrimers for the Lectin LecB from Pseudomonas aeruginosa. Bioconjugate Chemistry, 2013, 24, 1598-1611. | 3.6 | 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. | 5.4 | 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. | 2.7 | 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. | 2.5 | 25 |
| 130 | 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 |
| 131 | A Lectin from Platypodium elegans with Unusual Specificity and Affinity for Asymmetric Complex N-Glycans. Journal of Biological Chemistry, 2012, 287, 26352-26364. | 3.4 | 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. | 3.4 | 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. | 5.2 | 59 |
| 135 | Electronic Detection of Lectins Using Carbohydrate-Functionalized Nanostructures: Graphene versus Carbon Nanotubes. ACS Nano, 2012, 6, 760-770. | 14.6 | 112 |
| 136 | Transglutaminase-2 Interaction with Heparin. Journal of Biological Chemistry, 2012, 287, 18005-18017. | 3.4 | 55 |
| 137 | Multivalent Gold Glycoclusters: High Affinity Molecular Recognition by Bacterial Lectin PAâ€ŀL. Chemistry - A European Journal, 2012, 18, 4264-4273. | 3.3 | 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. | 3.3 | 100 |
| 139 | Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide. Glycobiology, 2012, 22, 1387-1398. | 2.5 | 31 |
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| 141 | Molecular model of human heparanase with proposed binding mode of a heparan sulfate oligosaccharide and catalytic amino acids. Biopolymers, 2012, 97, 21-34. | 2.4 | 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 Cupriavidus metallidurans CH34. Biochemistry, 2011, 50, 9036-9045. | 2.5 | 10 |
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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. | 2.5 | 43 |
| 146 | <sup>13</sup>C-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. | 13.7 | 45 |
| 147 | Nanoelectronic Detection of Lectin-Carbohydrate Interactions Using Carbon Nanotubes. Nano Letters, 2011, 11, 170-175. | 9.1 | 96 |
| 148 | Low-Temperature Neutron Diffraction Structures of N-Glycoprotein Linkage Models and Analogues: Structure Refinement and Trifurcated Hydrogen Bonds. Journal of the American Chemical Society, 2011, 133, 10042-10045. | 13.7 | 9 |
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| 150 | AFM investigation of Pseudomonas aeruginosa lectin LecA (PA-IL) filaments induced by multivalent glycoclusters. Chemical Communications, 2011, 47, 9483. | 4.1 | 61 |
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