Ulf J Nilsson

List of Publications by Year
in descending order

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181 papers	8,252 citations	38742 50 h-index	58581 82 g-index
195 all docs	195 docs citations	195 times ranked	7672 citing authors

#	Article	IF	Citations
1	Regulation of Alternative Macrophage Activation by Galectin-3. Journal of Immunology, 2008, 180, 2650-2658.	0.8	447
2	Regulation of Transforming Growth Factor-Î²1â€“driven Lung Fibrosis by Galectin-3. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 537-546.	5.6	425
3	Functional Adaptation of BabA, the <i>H. pylori</i> ABO Blood Group Antigen Binding Adhesin. Science, 2004, 305, 519-522.	12.6	368
4	Structural and Thermodynamic Studies on Cationâˆ'Î Interactions in Lectinâˆ'Ligand Complexes:Â High-Affinity Galectin-3 Inhibitors through Fine-Tuning of an Arginineâˆ'Arene Interaction. Journal of the American Chemical Society, 2005, 127, 1737-1743.	13.7	231
5	Protein Flexibility and Conformational Entropy in Ligand Design Targeting the Carbohydrate Recognition Domain of Galectin-3. Journal of the American Chemical Society, 2010, 132, 14577-14589.	13.7	209
6	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimerâ€™s disease. Acta Neuropathologica, 2019, 138, 251-273.	7.7	187
7	Affinity of galectin-8 and its carbohydrate recognition domains for ligands in solution and at the cell surface. Glycobiology, 2007, 17, 663-676.	2.5	162
8	Fluorescence polarization as an analytical tool to evaluate galectinâ€“ligand interactions. Analytical Biochemistry, 2004, 334, 36-47.	2.4	150
9	Galectinâ€3â€Binding Glycomimetics that Strongly Reduce Bleomycinâ€Induced Lung Fibrosis and Modulate Intracellular Glycan Recognition. ChemBioChem, 2016, 17, 1759-1770.	2.6	145
10	The Carbohydrate-Binding Site in Galectin-3 Is Preorganized To Recognize a Sugarlike Framework of Oxygens: Ultra-High-Resolution Structures and Water Dynamics. Biochemistry, 2012, 51, 296-306.	2.5	137
11	Determination of the Degree of Branching in Normal and Amylopectin Type Potato Starch with1H-NMR Spectroscopy Improved resolution and two-dimensional spectroscopy. Starch/Staerke, 1996, 48, 352-357.	2.1	136
12	Ligand Induced Galectin-3 Protein Self-association. Journal of Biological Chemistry, 2012, 287, 21751-21756.	3.4	122
13	C2-Symmetrical Thiodigalactoside Bis-Benzamido Derivatives as High-Affinity Inhibitors of Galectin-3: Efficient Lectin Inhibition through Double Arginine-Arene Interactions. Angewandte Chemie - International Edition, 2005, 44, 5110-5112.	13.8	120
14	C2-Symmetric Macrocyclic Carbohydrate/Amino Acid Hybrids through Copper(I)-Catalyzed Formation of 1,2,3-Triazoles. Journal of Organic Chemistry, 2005, 70, 4847-4850.	3.2	112
15	Target inhibition of galectin-3 by inhaled TD139 in patients with idiopathic pulmonary fibrosis. European Respiratory Journal, 2021, 57, 2002559.	6.7	106
16	Low Micromolar Inhibitors of Galectin-3 Based on 3â€²-Derivatization of N-Acetyllactosamine. ChemBioChem, 2002, 3, 183-189.	2.6	99
17	Mutational Tuning of Galectin-3 Specificity and Biological Function. Journal of Biological Chemistry, 2010, 285, 35079-35091.	3.4	98
18	Physical Properties of Escherichia coli P Pili Measured by Optical Tweezers. Biophysical Journal, 2004, 87, 4271-4283.	0.5	94

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19	1H-1,2,3-Triazol-1-yl thiodigalactoside derivatives as high affinity galectin-3 inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 5367-5378.	3.0	93
20	Galectin-3 deficiency prevents concanavalin A-induced hepatitis in mice. Hepatology, 2012, 55, 1954-1964.	7.3	93
21	Galectin inhibitory disaccharides promote tumour immunity in a breast cancer model. Cancer Letters, 2010, 299, 95-110.	7.2	91
22	Interplay between Conformational Entropy and Solvation Entropy in Proteinâ€"Ligand Binding. Journal of the American Chemical Society, 2019, 141, 2012-2026.	13.7	89
23	An Orally Active Galectin-3 Antagonist Inhibits Lung Adenocarcinoma Growth and Augments Response to PD-L1 Blockade. Cancer Research, 2019, 79, 1480-1492.	0.9	87
24	Synthesis of a phenyl thio-Î²-d-galactopyranoside library from 1,5-difluoro-2,4-dinitrobenzene: discovery of efficient and selective monosaccharide inhibitors of galectin-7. Organic and Biomolecular Chemistry, 2005, 3, 1922.	2.8	86
25	3-(1,2,3-Triazol-1-yl)-1-thio-galactosides as small, efficient, and hydrolytically stable inhibitors of galectin-3. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3344-3346.	2.2	85
26	Short-chain fatty acid formation in the hindgut of rats fed oligosaccharides varying in monomeric composition, degree of polymerisation and solubility. British Journal of Nutrition, 2005, 94, 705-713.	2.3	81
27	Efficient Oâ€Functionalization of Carbohydrates with Electrophilic Reagents. Angewandte Chemie - International Edition, 2016, 55, 11226-11230.	13.8	78
28	Double Affinity Amplification of Galectinâ€"Ligand Interactions through Arginineâ€"Arene Interactions: Synthetic, Thermodynamic, and Computational Studies with Aromatic Diamido Thiodigalactosides. Chemistry - A European Journal, 2008, 14, 4233-4245.	3.3	76
29	Systematic Tuning of Fluoro-galectin-3 Interactions Provides Thiodigalactoside Derivatives with Single-Digit nM Affinity and High Selectivity. Journal of Medicinal Chemistry, 2018, 61, 1164-1175.	6.4	76
30	Monosaccharide Derivatives with Lowâ€Nanomolar Lectin Affinity and High Selectivity Based on Combined Fluorineâ€"Amide, Phenylâ€"Arginine, Sulfurâ€"Ï€, and Halogen Bond Interactions. ChemMedChem, 2018, 13, 133-137.	3.2	75
31	Extracellular and intracellular small-molecule galectin-3 inhibitors. Scientific Reports, 2019, 9, 2186.	3.3	74
32	Inhibition of Galectins with Small Molecules. Chimia, 2011, 65, 18.	0.6	73
33	Synthesis of multivalent lactose derivatives by 1,3-dipolar cycloadditions: selective galectin-1 inhibition. Carbohydrate Research, 2006, 341, 1353-1362.	2.3	71
34	Pathological lymphangiogenesis is modulated by galectin-8-dependent crosstalk between podoplanin and integrin-associated VEGFR-3. Nature Communications, 2016, 7, 11302.	12.8	70
35	Galectin-3 Targeted Therapy with a Small Molecule Inhibitor Activates Apoptosis and Enhances Both Chemosensitivity and Radiosensitivity in Papillary Thyroid Cancer. Molecular Cancer Research, 2009, 7, 1655-1662.	3.4	69
36	Solid-phase extraction on C18 silica as a purification strategy in the solution synthesis of a 1-thio-Î²- d -galactopyranoside library. Bioorganic and Medicinal Chemistry, 1998, 6, 1563-1575.	3.0	68

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37	The Physico-Chemical Properties of Dietary Fibre Determine Metabolic Responses, Short-Chain Fatty Acid Profiles and Gut Microbiota Composition in Rats Fed Low- and High-Fat Diets. PLoS ONE, 2015, 10, e0127252.	2.5	68
38	Galectin binding to cells and glycoproteins with genetically modified glycosylation reveals galectinâ€“glycan specificities in a natural context. Journal of Biological Chemistry, 2018, 293, 20249-20262.	3.4	67
39	Structural requirements for the glycolipid receptor of human uropathogenic Escherichia coli. Molecular Microbiology, 1995, 16, 1021-1029.	2.5	65
40	Synthesis of O-galactosyl aldoximes as potent LacNAc-mimetic galectin-3 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2343-2345.	2.2	64
41	The role of Galectin-3 in Î±-synuclein-induced microglial activation. Acta Neuropathologica Communications, 2014, 2, 156.	5.2	63
42	Tuning the Preference of Thiodigalactoside- and Lactosamine-Based Ligands to Galectin-3 over Galectin-1. Journal of Medicinal Chemistry, 2013, 56, 1350-1354.	6.4	62
43	Substrate-bound outward-open structure of a Na+-coupled sialic acid symporter reveals a new Na+ site. Nature Communications, 2018, 9, 1753.	12.8	62
44	Studies of Arginineâ€“Arene Interactions through Synthesis and Evaluation of a Series of Galectinâ€Binding Aromatic Lactose Esters. ChemBioChem, 2007, 8, 1389-1398.	2.6	61
45	A Selective Galactoseâ€“Coumarin-Derived Galectin-3 Inhibitor Demonstrates Involvement of Galectin-3-glycan Interactions in a Pulmonary Fibrosis Model. Journal of Medicinal Chemistry, 2016, 59, 8141-8147.	6.4	60
46	Galectin-Inhibitory Thiodigalactoside Ester Derivatives Have Antimigratory Effects in Cultured Lung and Prostate Cancer Cells. Journal of Medicinal Chemistry, 2008, 51, 8109-8114.	6.4	59
47	Different affinity of galectins for human serum glycoproteins: Galectin-3 binds many protease inhibitors and acute phase proteins. Glycobiology, 2008, 18, 384-394.	2.5	59
48	Synthesis of Ganglioside Lactams Corresponding to GM1-, GM2-, GM3-, and GM4-Ganglioside Lactones. Journal of the American Chemical Society, 1995, 117, 4742-4754.	13.7	58
49	Taloside Inhibitors of Galectinâ€1 and Galectinâ€3. Chemical Biology and Drug Design, 2012, 79, 339-346.	3.2	56
50	Low or No Inhibitory Potency of the Canonical Galectin Carbohydrate-binding Site by Pectins and Galactomannans. Journal of Biological Chemistry, 2016, 291, 13318-13334.	3.4	55
51	Galectin-3 Inhibition by a Small-Molecule Inhibitor Reduces Both Pathological Corneal Neovascularization and Fibrosis. , 2017, 58, 9.		55
52	Monovalent Interactions of Galectin-1. Biochemistry, 2010, 49, 9518-9532.	2.5	54
53	Solid-phase extraction for combinatorial libraries. Journal of Chromatography A, 2000, 885, 305-319.	3.7	52
54	The p-methoxybenzyl ether as an in situ-removable carbohydrate-protecting group: a simple one-pot synthesis of the globotetraose tetrasaccharide. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 886-890.	1.3	52

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55	Galectinâ€3 deficiency protects pancreatic islet cells from cytokineâ€triggered apoptosis in vitro. Journal of Cellular Physiology, 2013, 228, 1568-1576.	4.1	50
56	Nuclear magnetic resonance and conformational investigations of the pentasaccharide of the Forssman antigen and overlapping di-, tri-, and tetra-saccharide sequences. Carbohydrate Research, 1994, 257, 35-54.	2.3	49
57	Galectin-3 endocytosis by carbohydrate independent and dependent pathways in different macrophage like cell types. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 804-818.	2.4	49
58	Discovery of Potent Inhibitors of PapG Adhesins from Uropathogenic Escherichia coli through Synthesis and Evaluation of Galabiose Derivatives. ChemBioChem, 2002, 3, 772.	2.6	47
59	Fluorescence Polarization to Study Galectinâ€"Ligand Interactions. Methods in Enzymology, 2003, 362, 504-512.	1.0	46
60	Synthesis of galactose-mimicking 1H-(1,2,3-triazol-1-yl)-mannosides as selective galectin-3 and 9N inhibitors. Carbohydrate Research, 2007, 342, 1869-1875.	2.3	46
61	Quantitative studies of the binding of the class II PapG adhesin from uropathogenic Escherichia coli to oligosaccharides. Bioorganic and Medicinal Chemistry, 2003, 11, 2255-2261.	3.0	45
62	Design and Synthesis of Galectin Inhibitors. Methods in Enzymology, 2003, 363, 157-169.	1.0	45
63	Cyclic peptides containing a Î´-sugar amino acidâ€"synthesis and evaluation as artificial receptors. Tetrahedron, 2005, 61, 863-874.	1.9	45
64	The Anti-angiogenic Peptide Anginex Greatly Enhances Galectin-1 Binding Affinity for Glycoproteins. Journal of Biological Chemistry, 2011, 286, 13801-13804.	3.4	45
65	Fragment-based development of triazole-substituted O-galactosyl aldoximes with fragment-induced affinity and selectivity for galectin-3. Organic and Biomolecular Chemistry, 2009, 7, 3982.	2.8	44
66	Multimeric Lactoside â€œClick Clustersâ€•as Tools to Investigate the Effect of Linker Length in Specific Interactions with Peanut Lectin, Galectinâ€1, and â€3. ChemBioChem, 2010, 11, 1430-1442.	2.6	44
67	Cereal Byproducts Have Prebiotic Potential in Mice Fed a High-Fat Diet. Journal of Agricultural and Food Chemistry, 2014, 62, 8169-8178.	5.2	43
68	Galâ€3 regulates the capacity of dendritic cells to promote NKTâ€cellâ€induced liver injury. European Journal of Immunology, 2015, 45, 531-543.	2.9	41
69	Hydrophobic ion pairing of a minocycline/Ca 2+ /AOT complex for preparation of drug-loaded PLGA nanoparticles with improved sustained release. International Journal of Pharmaceutics, 2016, 499, 351-357.	5.2	41
70	Synthesis, Conformational Analysis and Comparative Protein Binding of a Galabioside and Its Thioglycoside Analogues. Chemistry - A European Journal, 1996, 2, 295-302.	3.3	38
71	Arginine Binding Motifs: Design and Synthesis of Galactose-Derived Arginine Tweezers as Galectin-3 Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 2297-2301.	6.4	38
72	Prespacer glycosides in glycoconjugate chemistry. Dibromoisobutyl (DIB) glycosides for the synthesis of neoglycolipids, neoglycoproteins, neoglycoparticles, and soluble glycosides. Journal of Organic Chemistry, 1990, 55, 3932-3946.	3.2	37

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73	Thioureido N-acetyllactosamine derivatives as potent galectin-7 and 9N inhibitors. Bioorganic and Medicinal Chemistry, 2006, 14, 1215-1220.	3.0	37
74	Synthesis and Evaluation of New Thiodigalactosideâ€Based Chemical Probes to Label Galectinâ€3. ChemBioChem, 2009, 10, 1724-1733.	2.6	36
75	Identification of a Novel Streptococcal Adhesin P (SadP) Protein Recognizing Galactosyl-Î±1â€“4-galactose-containing Glycoconjugates. Journal of Biological Chemistry, 2011, 286, 38854-38864.	3.4	36
76	Investigation into the Feasibility of Thioditaloside as a Novel Scaffold for Galectinâ€3â€Specific Inhibitors. ChemBioChem, 2013, 14, 1331-1342.	2.6	36
77	Protein subtype-targeting through ligand epimerization: Talose-selectivity of galectin-4 and galectin-8. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3691-3694.	2.2	35
78	Synthesis and conformational analysis of GM3 lactam; a hydrolytically stable analog of GM3 ganglioside lactone. Journal of the American Chemical Society, 1992, 114, 2256-2257.	13.7	34
79	An Improved Synthesis of 3,4,6-Tri-O-acetyl-2-azido-2-deoxy-Î±-d-galactopyranosyl Bromide: A Key Component for Synthesis of Glycopeptides and Glycolipids. Journal of Carbohydrate Chemistry, 1994, 13, 129-132.	1.1	34
80	Structural characterization of human galectinâ€4 Câ€terminal domain: elucidating the molecular basis for recognition of glycosphingolipids, sulfated saccharides and blood group antigens. FEBS Journal, 2015, 282, 3348-3367.	4.7	32
81	Probing the acceptor substrate binding site of Trypanosoma cruzi trans-sialidase with systematically modified substrates and glycoside libraries. Organic and Biomolecular Chemistry, 2011, 9, 1653.	2.8	31
82	Synthesis and evaluation of iminocoumaryl and coumaryl derivatized glycosides as galectin antagonists. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3516-3520.	2.2	31
83	Structural characterisation of human galectin-4 N-terminal carbohydrate recognition domain in complex with glycerol, lactose, 3â€²-sulfo-lactose and 2â€²-fucosyllactose. Scientific Reports, 2016, 6, 20289.	3.3	31
84	Galectin-3 type-C self-association on neutrophil surfaces; The carbohydrate recognition domain regulates cell function. Journal of Leukocyte Biology, 2018, 103, 341-353.	3.3	29
85	Didecyl squarate--a practical amino-reactive cross-linking reagent for neoglycoconjugate synthesis. Glycoconjugate Journal, 2001, 18, 615-621.	2.7	28
86	Flap Dynamics in Aspartic Proteases: A Computational Perspective. Chemical Biology and Drug Design, 2016, 88, 159-177.	3.2	28
87	Human trophoblast requires galectin-3 for cell migration and invasion. Scientific Reports, 2019, 9, 2136.	3.3	28
88	Structureâ€“activity relationships of galabioside derivatives as inhibitors of E. coli and S. suis adhesins: nanomolar inhibitors of S. suis adhesins. Organic and Biomolecular Chemistry, 2005, 3, 886-900.	2.8	27
89	Synthesis of the globotetraose tetrasaccharide and terminal tri- and di-saccharide fragments. Carbohydrate Research, 1994, 252, 117-136.	2.3	26
90	Inhibition of Human DHODH by 4â€Hydroxycoumarins, Fenamic Acids, and <i>N</i>â€(Alkylcarbonyl)anthranilic Acids Identified by Structureâ€Guided Fragment Selection. ChemMedChem, 2010, 5, 608-617.	3.2	26

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91	Measurements of the binding force between the Helicobacter pylori adhesin BabA and the Lewis b blood group antigen using optical tweezers. Journal of Biomedical Optics, 2005, 10, 044024.	2.6	25
92	Conversion of 2-(trimethylsilyl)ethyl sulfides into thioesters. Tetrahedron Letters, 1999, 40, 1811-1814.	1.4	24
93	Synthesis of 3-amido-3-deoxy-Î²-d-talopyranosides: all-cis-substituted pyranosides as lectin inhibitors. Tetrahedron, 2011, 67, 9164-9172.	1.9	24
94	Spindle pole cohesion requires glycosylation-mediated localization of NuMA. Scientific Reports, 2017, 7, 1474.	3.3	24
95	Structure and Energetics of Ligandâ€“Fluorine Interactions with Galectinâ€3 Backbone and Sideâ€Chain Amides: Insight into Solvation Effects and Multipolar Interactions. ChemMedChem, 2019, 14, 1528-1536.	3.2	24
96	Efficient and Expedient Two-Step Pyranose-Retaining Fluorescein Conjugation of Complex Reducing Oligosaccharides:Â Galectin Oligosaccharide Specificity Studies in a Fluorescence Polarization Assay. Bioconjugate Chemistry, 2003, 14, 1289-1297.	3.6	23
97	Quinolineâ€“galactose hybrids bind selectively with high affinity to a galectin-8 N-terminal domain. Organic and Biomolecular Chemistry, 2018, 16, 6295-6305.	2.8	23
98	PapG adhesin from E. coli J96 recognizes the same saccharide epitope when present on whole bacteria and as isolated protein. Bioorganic and Medicinal Chemistry, 1996, 4, 1809-1817.	3.0	22
99	Areneâ€“Anion Based Arginineâ€Binding Motif on a Galactose Scaffold: Structureâ€“Activity Relationships of Interactions with Arginineâ€Rich Galectins. Chemistry - A European Journal, 2011, 17, 8139-8144.	3.3	22
100	Ligand binding and complex formation of galectin-3 is modulated by pH variations. Biochemical Journal, 2014, 457, 107-115.	3.7	22
101	Galectinâ€3 is an amplifier of the interleukinâ€1 <i>Î²</i>â€mediated inflammatory response in corneal keratinocytes. Immunology, 2018, 154, 490-499.	4.4	21
102	Synthesis of the Forssman pentasaccharide and terminal tetra-, tri-, and di-saccharide fragments. Carbohydrate Research, 1994, 252, 137-148.	2.3	20
103	Comparative 1H NMR study of hydroxy protons in galabioside and its S-linked 4-thiodisaccharide analogue in aqueous solution. Carbohydrate Research, 1999, 322, 46-56.	2.3	20
104	An efficient and convergent route towards water-soluble, chiral and amphiphilic macrocycles. Tetrahedron Letters, 2001, 42, 2873-2875.	1.4	20
105	Amphiphilic Anthracene-Amino Acid Conjugates as Simple Carbohydrate Receptors in Water. Supramolecular Chemistry, 2002, 14, 367-372.	1.2	20
106	Efficient Oâ€Functionalization of Carbohydrates with Electrophilic Reagents. Angewandte Chemie, 2016, 128, 11392-11396.	2.0	20
107	Tri-isopropylsilyl thioglycosides as masked glycosyl thiol nucleophiles for the synthesis of S-linked glycosides and glyco-conjugates. Organic and Biomolecular Chemistry, 2014, 12, 4816-4819.	2.8	19
108	Aminopyrimidineâ€“galactose hybrids are highly selective galectin-3 inhibitors. MedChemComm, 2019, 10, 913-925.	3.4	19

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109	Inhibition mechanism of human galectinâ€7 by a novel galactoseâ€benzylphosphate inhibitor. FEBS Journal, 2012, 279, 193-202.	4.7	18
110	<i>In Vivo Veritas</i>: ¹⁸F-Radiolabeled Glycomimetics Allow Insights into the Pharmacological Fate of Galectin-3 Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 747-755.	6.4	18
111	Immobilization of Reducing Sugars as Toxin Binding Agents. Bioconjugate Chemistry, 1997, 8, 466-471.	3.6	17
112	Cobalt-mediated solid phase synthesis of 3-O-alkynylbenzyl galactosides and their evaluation as galectin inhibitors. Tetrahedron, 2006, 62, 8309-8317.	1.9	17
113	Bacterial Adhesion of Streptococcus suis to Host Cells and Its Inhibition by Carbohydrate Ligands. Biology, 2013, 2, 918-935.	2.8	17
114	Entropyâ€"Entropy Compensation between the Protein, Ligand, and Solvent Degrees of Freedom Fine-Tunes Affinity in Ligand Binding to Galectin-3C. Jacs Au, 2021, 1, 484-500.	7.9	17
115	Synthesis of GD3-lactam: a potential ligand for the development of an anti-melanoma vaccine. Carbohydrate Research, 2002, 337, 569-580.	2.3	16
116	N-Substituted salicylamides as selective malaria parasite dihydroorotate dehydrogenase inhibitors. MedChemComm, 2011, 2, 895.	3.4	16
117	Synthesis of 1,2,3-triazole-linked galactohybrids and their inhibitory activities on galectins. Arkivoc, 2014, 2014, 90-112.	0.5	16
118	Perdeuteration, crystallization, data collection and comparison of five neutron diffraction data sets of complexes of human galectin-3C. Acta Crystallographica Section D: Structural Biology, 2016, 72, 1194-1202.	2.3	15
119	Galactose-amidine derivatives as selective antagonists of galectin-9. Canadian Journal of Chemistry, 2016, 94, 936-939.	1.1	15
120	Designing interactions by control of proteinâ€"ligand complex conformation: tuning arginineâ€"arene interaction geometry for enhanced electrostatic proteinâ€"ligand interactions. Chemical Science, 2018, 9, 1014-1021.	7.4	15
121	Efficient syntheses of 3,4,6-tri-O-acetyl-2-deoxy-2-phthalimido-Î²- and -Î±-d-galactopyranosyl chloride. Carbohydrate Research, 1990, 208, 260-263.	2.3	14
122	Synthesis of the saccharide moiety of galactosylgloboside (SSEA-3) and its conjugation to bovine serum albumin and sepharose. Carbohydrate Research, 1995, 272, 9-16.	2.3	14
123	Synthesis of a C3-symmetric macrocycle with alternating sugar amino acid and tyrosine residues. Tetrahedron Letters, 2005, 46, 991-993.	1.4	14
124	Synthesis of 3-azido-3-deoxy-Î²-d-galactopyranosides. Carbohydrate Research, 2009, 344, 1282-1284.	2.3	14
125	Substituted polyfluoroaryl interactions with an arginine side chain in galectin-3 are governed by steric-, desolvation and electronic conjugation effects. Organic and Biomolecular Chemistry, 2019, 17, 1081-1089.	2.8	14
126	Crosstalk between WNT and STAT3 is mediated by galectin-3 in tumor progression. Gastric Cancer, 2021, 24, 1050-1062.	5.3	14

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127	C1-Galactopyranosyl Heterocycle Structure Guides Selectivity: Triazoles Prefer Galectin-1 and Oxazoles Prefer Galectin-3. ACS Omega, 2019, 4, 7047-7053.	3.5	13
128	Local delivery of minocycline-loaded PLGA nanoparticles from gelatin-coated neural implants attenuates acute brain tissue responses in mice. Journal of Nanobiotechnology, 2020, 18, 27.	9.1	13
129	Haemophilus influenzae surface fibril (Hsf) is a unique twisted hairpin-like trimeric autotransporter. International Journal of Medical Microbiology, 2015, 305, 27-37.	3.6	12
130	Arynes in the Monoarylation of Unprotected Carbohydrate Amines. Organic Letters, 2018, 20, 616-619.	4.6	12
131	Aromatic heterocycle galectin-1 interactions for selective single-digit nM affinity ligands. RSC Advances, 2018, 8, 24913-24922.	3.6	12
132	Synthesis of a 3â€²-naphthamido-LacNAc fluorescein conjugate with high selectivity and affinity for galectin-3. Carbohydrate Research, 2006, 341, 1363-1369.	2.3	11
133	Intermolecular Pausonâ€“Khand reactions on a galactose scaffold. Tetrahedron Letters, 2008, 49, 2820-2823.	1.4	11
134	Rationally Designed Chemically Modified Glycodendrimer Inhibits <i>Streptococcus suis</i> Adhesin SadP at Picomolar Concentrations. Chemistry - A European Journal, 2018, 24, 1905-1912.	3.3	11
135	A Galactoside-Binding Protein Tricked into Binding Unnatural Pyranose Derivatives: 3-Deoxy-3-Methyl-Gulosides Selectively Inhibit Galectin-1. International Journal of Molecular Sciences, 2019, 20, 3786.	4.1	11
136	Epimers Switch Galectin-9 Domain Selectivity: 3<i>N</i>-Aryl Galactosides Bind the C-Terminal and Gulosides Bind the N-Terminal. ACS Medicinal Chemistry Letters, 2020, 11, 34-39.	2.8	11
137	Synthesis of the 2''-Hydroxy, 4''-Deoxy and 4''-Epi Analogues of beta-D-GalNAc-(1->3)-alpha-D-Gal-(1->4)-beta-D-Gal, the Terminal Trisaccharide of Globotetraose.. Acta Chemica Scandinavica, 1994, 48, 356-361.	0.7	11
138	Novel Selective Galectin-3 Antagonists Are Cytotoxic to Acute Lymphoblastic Leukemia. Journal of Medicinal Chemistry, 2022, 65, 5975-5989.	6.4	11
139	Low-Molecular Weight Inhibitors of Galectins. ACS Symposium Series, 2012, , 47-59.	0.5	10
140	The binding mechanism of the virulence factor Streptococcus suis adhesin P subtype to globotetraosylceramide is associated with systemic disease. Journal of Biological Chemistry, 2020, 295, 14305-14324.	3.4	10
141	Benzimidazoleâ€“galactosides bind selectively to the Galectin-8 N-Terminal domain: Structure-based design and optimisation. European Journal of Medicinal Chemistry, 2021, 223, 113664.	5.5	10
142	Galectin-9 Signaling Drives Breast Cancer Invasion through Extracellular Matrix. ACS Chemical Biology, 2022, 17, 1376-1386.	3.4	10
143	A study of the donor properties of sialyl phosphites having an auxiliary 3-(S)-phenylseleno group. Carbohydrate Research, 2001, 331, 255-263.	2.3	9
144	A galabiose-based two-dimensional scaffold for the synthesis of inhibitors targeting Pk- and P-antigen binding proteins. Tetrahedron Letters, 2003, 44, 2785-2787.	1.4	9

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145	Regio- and Stereoselective Methods of Glycosylation. , 2001, , 1543-1587.		9
146	Synthesis of tricyclic carbohydrateâ€“benzene hybrids as selective inhibitors of galectin-1 and galectin-8 N-terminal domains. RSC Advances, 2020, 10, 19636-19642.	3.6	9
147	Aryl Sulfonates in Inversions at Secondary Carbohydrate Hydroxyl Groups: A New and Improved Route Toward 3-Azido-3-deoxy-Î²-d-galactopyranosides. Journal of Carbohydrate Chemistry, 2015, 34, 490-499.	1.1	8
148	Improved molecular recognition of Carbonic Anhydrase IX by polypeptide conjugation to acetazolamide. Bioorganic and Medicinal Chemistry, 2017, 25, 5838-5848.	3.0	8
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