

Hakon Leffler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264
papers

20,393
citations

77
h-index

134
g-index

280
ext. papers

21,974
ext. citations

5.7
avg, IF

6.37
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 264 | Increased synovial galectin-3 induce inflammatory fibroblast activation and osteoclastogenesis in patients with rheumatoid arthritis.. <i>Scandinavian Journal of Rheumatology</i> , 2022 , 1-9 | 1.9 | 1 |
| 263 | Installation of O-glycan sulfation capacities in human HEK293 cells for display of sulfated mucins.. <i>Journal of Biological Chemistry</i> , 2021 , 101382 | 5.4 | 1 |
| 262 | Structure-Guided Design of d-Galactal Derivatives with High Affinity and Selectivity for the Galectin-8 N-Terminal Domain. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 1745-1752 | 4.3 | 0 |
| 261 | Crosstalk between WNT and STAT3 is mediated by galectin-3 in tumor progression. <i>Gastric Cancer</i> , 2021 , 24, 1050-1062 | 7.6 | 0 |
| 260 | Entropy-Entropy Compensation between the Protein, Ligand, and Solvent Degrees of Freedom Fine-Tunes Affinity in Ligand Binding to Galectin-3C. <i>Jacs Au</i> , 2021 , 1, 484-500 | | 5 |
| 259 | Target inhibition of galectin-3 by inhaled TD139 in patients with idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2021 , 57, | 13.6 | 39 |
| 258 | Synthesis and Biological Studies of O3-Aryl Galactosides as Galectin Inhibitors. <i>Helvetica Chimica Acta</i> , 2021 , 104, e2000220 | 2 | 0 |
| 257 | Benzimidazole-galactosides bind selectively to the Galectin-8 N-Terminal domain: Structure-based design and optimisation. <i>European Journal of Medicinal Chemistry</i> , 2021 , 223, 113664 | 6.8 | 3 |
| 256 | Selective Galectin-8N Ligands: The Design and Synthesis of Phthalazinone-d-Galactals.. <i>ChemMedChem</i> , 2021 , e202100575 | 3.7 | |
| 255 | Chemokines modulate glycan binding and the immunoregulatory activity of galectins.. <i>Communications Biology</i> , 2021 , 4, 1415 | 6.7 | 0 |
| 254 | Translational pharmacology of TD139, an inhaled small molecule galectin-3 (Gal-3) inhibitor for the treatment of idiopathic pulmonary fibrosis (IPF). <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | 1 |
| 253 | : F-Radiolabeled Glycomimetics Allow Insights into the Pharmacological Fate of Galectin-3 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 747-755 | 8.3 | 12 |
| 252 | Epimers Switch Galectin-9 Domain Selectivity: 3-Aryl Galactosides Bind the C-Terminal and Gulosides Bind the N-Terminal. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 34-39 | 4.3 | 6 |
| 251 | A Galactoside-Binding Protein Tricked into Binding Unnatural Pyranose Derivatives: 3-Deoxy-3-Methyl-Gulosides Selectively Inhibit Galectin-1. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 7 |
| 250 | Substituted polyfluoroaryl interactions with an arginine side chain in galectin-3 are governed by steric-, desolvation and electronic conjugation effects. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 1081-1089 | 3.9 | 9 |
| 249 | An Orally Active Galectin-3 Antagonist Inhibits Lung Adenocarcinoma Growth and Augments Response to PD-L1 Blockade. <i>Cancer Research</i> , 2019 , 79, 1480-1492 | 10.1 | 47 |
| 248 | Stereo- and regioselective hydroboration of 1--methylene pyranoses: discovery of aryltriazolylmethyl C-galactopyranosides as selective galectin-1 inhibitors. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1046-1060 | 2.5 | 2 |

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|-----|---|------|-----|
| 247 | Aminopyrimidine-galactose hybrids are highly selective galectin-3 inhibitors. <i>MedChemComm</i> , 2019 , 10, 913-925 | 5 | 11 |
| 246 | C1-Galactopyranosyl Heterocycle Structure Guides Selectivity: Triazoles Prefer Galectin-1 and Oxazoles Prefer Galectin-3. <i>ACS Omega</i> , 2019 , 4, 7047-7053 | 3.9 | 10 |
| 245 | Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2019 , 138, 251-273 | 14.3 | 91 |
| 244 | Letter by Leffler Regarding Article, "Modified Citrus Pectin Prevents Blood-Brain Barrier Disruption in Mouse Subarachnoid Hemorrhage by Inhibiting Galectin-3". <i>Stroke</i> , 2019 , 50, e136 | 6.7 | 1 |
| 243 | Human trophoblast requires galectin-3 for cell migration and invasion. <i>Scientific Reports</i> , 2019 , 9, 2136 | 4.9 | 14 |
| 242 | Structure and Energetics of Ligand-Fluorine Interactions with Galectin-3 Backbone and Side-Chain Amides: Insight into Solvation Effects and Multipolar Interactions. <i>ChemMedChem</i> , 2019 , 14, 1528-1536 | 3.7 | 15 |
| 241 | Extracellular and intracellular small-molecule galectin-3 inhibitors. <i>Scientific Reports</i> , 2019 , 9, 2186 | 4.9 | 40 |
| 240 | 3-Substituted 1-Naphthamidomethyl-C-galactosyls Interact with Two Unique Sub-sites for High-Affinity and High-Selectivity Inhibition of Galectin-3. <i>Molecules</i> , 2019 , 24, | 4.8 | 3 |
| 239 | Interplay between Conformational Entropy and Solvation Entropy in Protein-Ligand Binding. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2012-2026 | 16.4 | 51 |
| 238 | Different angioregulatory activity of monovalent galectin-9 isoforms. <i>Angiogenesis</i> , 2018 , 21, 545-555 | 10.6 | 45 |
| 237 | Galectin-3 type-C self-association on neutrophil surfaces; The carbohydrate recognition domain regulates cell function. <i>Journal of Leukocyte Biology</i> , 2018 , 103, 341-353 | 6.5 | 21 |
| 236 | Systematic Tuning of Fluoro-galectin-3 Interactions Provides Thiodigalactoside Derivatives with Single-Digit nM Affinity and High Selectivity. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 1164-1175 | 8.3 | 56 |
| 235 | Galectins at a glance. <i>Journal of Cell Science</i> , 2018 , 131, | 5.3 | 258 |
| 234 | Quinoline-galactose hybrids bind selectively with high affinity to a galectin-8 N-terminal domain. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 6295-6305 | 3.9 | 17 |
| 233 | Aromatic heterocycle galectin-1 interactions for selective single-digit nM affinity ligands.. <i>RSC Advances</i> , 2018 , 8, 24913-24922 | 3.7 | 6 |
| 232 | The Molecular Basis for Inhibition of Stemlike Cancer Cells by Salinomycin. <i>ACS Central Science</i> , 2018 , 4, 760-767 | 16.8 | 40 |
| 231 | Monosaccharide Derivatives with Low-Nanomolar Lectin Affinity and High Selectivity Based on Combined Fluorine-Amide, Phenyl-Arginine, Sulfur-π and Halogen Bond Interactions. <i>ChemMedChem</i> , 2018 , 13, 133-137 | 3.7 | 52 |
| 230 | Designing interactions by control of protein-ligand complex conformation: tuning arginine-arene interaction geometry for enhanced electrostatic protein-ligand interactions. <i>Chemical Science</i> , 2018 , 9, 1014-1021 | 9.4 | 9 |

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|-----|---|------|-----|
| 229 | Galectin History, Some Stories, and Some Outstanding Questions. <i>Trends in Glycoscience and Glycotechnology</i> , 2018 , 30, SE129-SE135 | 0.1 | 7 |
| 228 | Galectin binding to cells and glycoproteins with genetically modified glycosylation reveals galectin-glycan specificities in a natural context. <i>Journal of Biological Chemistry</i> , 2018 , 293, 20249-20262 | 5.4 | 43 |
| 227 | Galectin-3 Inhibition by a Small-Molecule Inhibitor Reduces Both Pathological Corneal Neovascularization and Fibrosis 2017 , 58, 9-20 | | 39 |
| 226 | Spindle pole cohesion requires glycosylation-mediated localization of NuMA. <i>Scientific Reports</i> , 2017 , 7, 1474 | 4.9 | 20 |
| 225 | Galectin-3-Binding Glycomimetics that Strongly Reduce Bleomycin-Induced Lung Fibrosis and Modulate Intracellular Glycan Recognition. <i>ChemBioChem</i> , 2016 , 17, 1759-70 | 3.8 | 94 |
| 224 | Perdeuteration, crystallization, data collection and comparison of five neutron diffraction data sets of complexes of human galectin-3C. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016 , 72, 1194-1202 | 5.5 | 15 |
| 223 | Galactose-amidine derivatives as selective antagonists of galectin-9. <i>Canadian Journal of Chemistry</i> , 2016 , 94, 936-939 | 0.9 | 10 |
| 222 | Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. <i>Glycobiology</i> , 2016 , 26, 888-903 | 5.8 | 46 |
| 221 | Immunohistochemical Studies on Galectin Expression in Colectomised Patients with Ulcerative Colitis. <i>BioMed Research International</i> , 2016 , 2016, 5989128 | 3 | 10 |
| 220 | Low or No Inhibitory Potency of the Canonical Galectin Carbohydrate-binding Site by Pectins and Galactomannans. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13318-34 | 5.4 | 37 |
| 219 | Pathological lymphangiogenesis is modulated by galectin-8-dependent crosstalk between podoplanin and integrin-associated VEGFR-3. <i>Nature Communications</i> , 2016 , 7, 11302 | 17.4 | 50 |
| 218 | Structural characterisation of human galectin-4 N-terminal carbohydrate recognition domain in complex with glycerol, lactose, 3Sulfo-lactose, and 2Fucosyllactose. <i>Scientific Reports</i> , 2016 , 6, 20289 | 4.9 | 21 |
| 217 | A Selective Galactose-Coumarin-Derived Galectin-3 Inhibitor Demonstrates Involvement of Galectin-3-glycan Interactions in a Pulmonary Fibrosis Model. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8141-7 | 8.3 | 48 |
| 216 | Structural characterization of human galectin-4 C-terminal domain: elucidating the molecular basis for recognition of glycosphingolipids, sulfated saccharides and blood group antigens. <i>FEBS Journal</i> , 2015 , 282, 3348-67 | 5.7 | 21 |
| 215 | Gal-3 regulates the capacity of dendritic cells to promote NKT-cell-induced liver injury. <i>European Journal of Immunology</i> , 2015 , 45, 531-43 | 6.1 | 34 |
| 214 | Microglia-Secreted Galectin-3 Acts as a Toll-like Receptor 4 Ligand and Contributes to Microglial Activation. <i>Cell Reports</i> , 2015 , 10, 1626-1638 | 10.6 | 183 |
| 213 | Ligand binding and complex formation of galectin-3 is modulated by pH variations. <i>Biochemical Journal</i> , 2014 , 457, 107-15 | 3.8 | 19 |
| 212 | Design, Synthesis, and Applications of Galectin Modulators in Human Health. <i>Topics in Medicinal Chemistry</i> , 2014 , 95-121 | 0.4 | 2 |

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|-----|---|------|-----|
| 211 | Synthesis and evaluation of iminocoumaryl and coumaryl derivatized glycosides as galectin antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 3516-20 | 2.9 | 28 |
| 210 | The role of Galectin-3 in β -synuclein-induced microglial activation. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 156 | 7.3 | 48 |
| 209 | The role of Galectin-3 in β -synuclein-induced microglial activation. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 156 | 7.3 | 40 |
| 208 | Synthesis of 1,2,3-triazole-linked galactohybrids and their inhibitory activities on galectins. <i>Arkivoc</i> , 2014 , 2014, 90-112 | 0.9 | 15 |
| 207 | Tuning the preference of thiodigalactoside- and lactosamine-based ligands to galectin-3 over galectin-1. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1350-4 | 8.3 | 51 |
| 206 | Investigation into the feasibility of thioditaloside as a novel scaffold for galectin-3-specific inhibitors. <i>ChemBioChem</i> , 2013 , 14, 1331-42 | 3.8 | 29 |
| 205 | Galectin-3 deficiency protects pancreatic islet cells from cytokine-triggered apoptosis in vitro. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1568-76 | 7 | 39 |
| 204 | Galectin-3 guides intracellular trafficking of some human serotransferrin glycoforms. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28398-408 | 5.4 | 19 |
| 203 | TDX, a galectin-1 and galectin-3-specific inhibitor, mitigates VEGF-A-induced angiogenesis. <i>FASEB Journal</i> , 2013 , 27, 828.1 | 0.9 | 1 |
| 202 | Glycosphingolipid composition of epithelial cells isolated along the villus axis of small intestine of a single human individual. <i>Glycobiology</i> , 2012 , 22, 1721-30 | 5.8 | 46 |
| 201 | Low-Molecular Weight Inhibitors of Galectins. <i>ACS Symposium Series</i> , 2012 , 47-59 | 0.4 | 7 |
| 200 | The carbohydrate-binding site in galectin-3 is preorganized to recognize a sugarlike framework of oxygens: ultra-high-resolution structures and water dynamics. <i>Biochemistry</i> , 2012 , 51, 296-306 | 3.2 | 110 |
| 199 | Glycoproteomic identification of galectin-3 and -8 ligands in bronchoalveolar lavage of mild asthmatics and healthy subjects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1429-36 | 4 | 17 |
| 198 | Different fractions of human serum glycoproteins bind galectin-1 or galectin-8, and their ratio may provide a refined biomarker for pathophysiological conditions in cancer and inflammatory disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1366-72 | 4 | 21 |
| 197 | Galectin-3 endocytosis by carbohydrate independent and dependent pathways in different macrophage like cell types. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 804-18 | 4 | 40 |
| 196 | Regulation of transforming growth factor- β -driven lung fibrosis by galectin-3. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 537-46 | 10.2 | 313 |
| 195 | Galectin-3 deficiency prevents concanavalin A-induced hepatitis in mice. <i>Hepatology</i> , 2012 , 55, 1954-64 | 11.2 | 82 |
| 194 | Galectin-8 in IgA nephritis: decreased binding of IgA by galectin-8 affinity chromatography and associated increased binding in non-IgA serum glycoproteins. <i>Journal of Clinical Immunology</i> , 2012 , 32, 246-55 | 5.7 | 4 |

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| 193 | Taloside inhibitors of galectin-1 and galectin-3. <i>Chemical Biology and Drug Design</i> , 2012 , 79, 339-46 | 2.9 | 48 |
| 192 | Inhibition mechanism of human galectin-7 by a novel galactose-benzylphosphate inhibitor. <i>FEBS Journal</i> , 2012 , 279, 193-202 | 5.7 | 13 |
| 191 | Ligand induced galectin-3 protein self-association. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21751-6 | 5.4 | 97 |
| 190 | Galectin-1-binding glycoforms of haptoglobin with altered intracellular trafficking, and increase in metastatic breast cancer patients. <i>PLoS ONE</i> , 2011 , 6, e26560 | 3.7 | 37 |
| 189 | Inhibition of galectins with small molecules. <i>Chimia</i> , 2011 , 65, 18-23 | 1.3 | 65 |
| 188 | Synthesis of 3-amido-3-deoxy- β -D-talopyranosides: all-cis-substituted pyranosides as lectin inhibitors. <i>Tetrahedron</i> , 2011 , 67, 9164-9172 | 2.4 | 20 |
| 187 | Arene-anion based arginine-binding motif on a galactose scaffold: structure-activity relationships of interactions with arginine-rich galectins. <i>Chemistry - A European Journal</i> , 2011 , 17, 8139-44 | 4.8 | 19 |
| 186 | The anti-angiogenic peptide anginex greatly enhances galectin-1 binding affinity for glycoproteins. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13801-4 | 5.4 | 35 |
| 185 | Galectin-3, a marker for vacuole lysis by invasive pathogens. <i>Cellular Microbiology</i> , 2010 , 12, 530-44 | 3.9 | 233 |
| 184 | Mutational tuning of galectin-3 specificity and biological function. <i>Journal of Biological Chemistry</i> , 2010 , 285, 35079-91 | 5.4 | 75 |
| 183 | Carbohydrate Recognition and Signaling 2010 , 85-91 | | 1 |
| 182 | Protein flexibility and conformational entropy in ligand design targeting the carbohydrate recognition domain of galectin-3. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14577-89 | 16.4 | 181 |
| 181 | Monovalent interactions of galectin-1. <i>Biochemistry</i> , 2010 , 49, 9518-32 | 3.2 | 45 |
| 180 | Galectin inhibitory disaccharides promote tumour immunity in a breast cancer model. <i>Cancer Letters</i> , 2010 , 299, 95-110 | 9.9 | 83 |
| 179 | Multimeric lactoside "click clusters" as tools to investigate the effect of linker length in specific interactions with peanut lectin, galectin-1, and -3. <i>ChemBioChem</i> , 2010 , 11, 1430-42 | 3.8 | 38 |
| 178 | 1H-1,2,3-triazol-1-yl thiodigalactoside derivatives as high affinity galectin-3 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 5367-78 | 3.4 | 71 |
| 177 | Superantigen- and TLR-dependent activation of tonsillar B cells after receptor-mediated endocytosis. <i>Journal of Immunology</i> , 2009 , 182, 4713-20 | 5.3 | 25 |
| 176 | The role of integrin glycosylation in galectin-8-mediated trabecular meshwork cell adhesion and spreading. <i>Glycobiology</i> , 2009 , 19, 29-37 | 5.8 | 35 |

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|-----|---|-----|-----|
| 175 | Galectin-3 targeted therapy with a small molecule inhibitor activates apoptosis and enhances both chemosensitivity and radiosensitivity in papillary thyroid cancer. <i>Molecular Cancer Research</i> , 2009 , 7, 1655-62 | 6.6 | 61 |
| 174 | Synthesis and evaluation of new thiodigalactoside-based chemical probes to label galectin-3. <i>ChemBioChem</i> , 2009 , 10, 1724-33 | 3.8 | 33 |
| 173 | Fragment-based development of triazole-substituted O-galactosyl aldoximes with fragment-induced affinity and selectivity for galectin-3. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3982-90 | 3.9 | 39 |
| 172 | Galectin-3 functions as an opsonin and enhances the macrophage clearance of apoptotic neutrophils. <i>Glycobiology</i> , 2009 , 19, 16-20 | 5.8 | 103 |
| 171 | Arginine binding motifs: design and synthesis of galactose-derived arginine tweezers as galectin-3 inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 2297-301 | 8.3 | 34 |
| 170 | Galectin-inhibitory thiodigalactoside ester derivatives have antimigratory effects in cultured lung and prostate cancer cells. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 8109-14 | 8.3 | 52 |
| 169 | Differential roles of galectin-1 and galectin-3 in regulating leukocyte viability and cytokine secretion. <i>Journal of Immunology</i> , 2008 , 180, 3091-102 | 5.3 | 193 |
| 168 | Galectin-1, -2, and -3 exhibit differential recognition of sialylated glycans and blood group antigens. <i>Journal of Biological Chemistry</i> , 2008 , 283, 10109-23 | 5.4 | 322 |
| 167 | Different affinity of galectins for human serum glycoproteins: galectin-3 binds many protease inhibitors and acute phase proteins. <i>Glycobiology</i> , 2008 , 18, 384-94 | 5.8 | 50 |
| 166 | Regulation of alternative macrophage activation by galectin-3. <i>Journal of Immunology</i> , 2008 , 180, 2650-8 | 5.3 | 376 |
| 165 | The beta-galactoside binding immunomodulatory lectin galectin-3 reverses the desensitized state induced in neutrophils by the chemotactic peptide f-Met-Leu-Phe: role of reactive oxygen species generated by the NADPH-oxidase and inactivation of the agonist. <i>Glycobiology</i> , 2008 , 18, 905-12 | 5.8 | 21 |
| 164 | Double affinity amplification of galectin-ligand interactions through arginine-arene interactions: synthetic, thermodynamic, and computational studies with aromatic diamido thiodigalactosides. <i>Chemistry - A European Journal</i> , 2008 , 14, 4233-45 | 4.8 | 65 |
| 163 | Protein subtype-targeting through ligand epimerization: talose-selectivity of galectin-4 and galectin-8. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 3691-4 | 2.9 | 29 |
| 162 | Studies of arginine-arene interactions through synthesis and evaluation of a series of galectin-binding aromatic lactose esters. <i>ChemBioChem</i> , 2007 , 8, 1389-98 | 3.8 | 58 |
| 161 | Synthesis of galactose-mimicking 1H-(1,2,3-triazol-1-yl)-mannosides as selective galectin-3 and 9N inhibitors. <i>Carbohydrate Research</i> , 2007 , 342, 1869-75 | 2.9 | 42 |
| 160 | Apical sorting by galectin-3-dependent glycoprotein clustering. <i>Traffic</i> , 2007 , 8, 379-88 | 5.7 | 134 |
| 159 | Variant size- and glycoforms of the scavenger receptor cysteine-rich protein gp-340 with differential bacterial aggregation. <i>Glycoconjugate Journal</i> , 2007 , 24, 131-42 | 3 | 29 |
| 158 | Dendritic cell maturation results in pronounced changes in glycan expression affecting recognition by siglecs and galectins. <i>Journal of Immunology</i> , 2007 , 179, 8216-24 | 5.3 | 100 |

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|-----|---|------|-----|
| 157 | Intracellular sorting of galectin-8 based on carbohydrate fine specificity. <i>Glycobiology</i> , 2007 , 17, 906-12 | 5.8 | 40 |
| 156 | Affinity of galectin-8 and its carbohydrate recognition domains for ligands in solution and at the cell surface. <i>Glycobiology</i> , 2007 , 17, 663-76 | 5.8 | 140 |
| 155 | Galectin-3 inhibits Schwann cell proliferation in cultured sciatic nerve. <i>NeuroReport</i> , 2007 , 18, 669-73 | 1.7 | 14 |
| 154 | Complex N-glycans are the major ligands for galectin-1, -3, and -8 on Chinese hamster ovary cells. <i>Glycobiology</i> , 2006 , 16, 305-17 | 5.8 | 124 |
| 153 | Palmitoyl carnitine, a lysophospholipase-transacylase inhibitor, prevents <i>Candida</i> adherence in vitro. <i>FEMS Microbiology Letters</i> , 2006 , 151, 89-94 | 2.9 | 11 |
| 152 | Synthesis of a 3- <i>O</i> -naphthamido-LacNAc fluorescein conjugate with high selectivity and affinity for galectin-3. <i>Carbohydrate Research</i> , 2006 , 341, 1363-9 | 2.9 | 10 |
| 151 | Synthesis of multivalent lactose derivatives by 1,3-dipolar cycloadditions: selective galectin-1 inhibition. <i>Carbohydrate Research</i> , 2006 , 341, 1353-62 | 2.9 | 65 |
| 150 | Thioureido N-acetyllactosamine derivatives as potent galectin-7 and 9N inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 1215-20 | 3.4 | 36 |
| 149 | Cobalt-mediated solid phase synthesis of 3- <i>O</i> -alkynylbenzyl galactosides and their evaluation as galectin inhibitors. <i>Tetrahedron</i> , 2006 , 62, 8309-8317 | 2.4 | 15 |
| 148 | Enhancement of bound-state residual dipolar couplings: conformational analysis of lactose bound to Galectin-3. <i>Protein Science</i> , 2006 , 15, 1780-90 | 6.3 | 32 |
| 147 | Structural and thermodynamic studies on cation- π interactions in lectin-ligand complexes: high-affinity galectin-3 inhibitors through fine-tuning of an arginine-arene interaction. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1737-43 | 16.4 | 212 |
| 146 | Synthesis of a phenyl thio- β -D-galactopyranoside library from 1,5-difluoro-2,4-dinitrobenzene: discovery of efficient and selective monosaccharide inhibitors of galectin-7. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1922-32 | 3.9 | 78 |
| 145 | Synthesis of O-galactosyl aldoximes as potent LacNAc-mimetic galectin-3 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 2343-5 | 2.9 | 59 |
| 144 | 3-(1,2,3-Triazol-1-yl)-1-thio-galactosides as small, efficient, and hydrolytically stable inhibitors of galectin-3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 3344-6 | 2.9 | 80 |
| 143 | C2-symmetrical thiodigalactoside bis-benzamido derivatives as high-affinity inhibitors of galectin-3: efficient lectin inhibition through double arginine-arene interactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5110-2 | 16.4 | 111 |
| 142 | C2-Symmetrical Thiodigalactoside Bis-Benzamido Derivatives as High-Affinity Inhibitors of Galectin-3: Efficient Lectin Inhibition through Double Arginine-Arene Interactions. <i>Angewandte Chemie</i> , 2005 , 117, 5240-5242 | 3.6 | 24 |
| 141 | Fluorescent leukotriene B4: potential applications. <i>Journal of Lipid Research</i> , 2005 , 46, 1339-46 | 6.3 | 9 |
| 140 | Phylogenetic analysis of the vertebrate galectin family. <i>Molecular Biology and Evolution</i> , 2004 , 21, 1177-87 | 8.3 | 205 |

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|-----|--|------|-----|
| 139 | Fluorescence polarization as an analytical tool to evaluate galectin-ligand interactions. <i>Analytical Biochemistry</i> , 2004 , 334, 36-47 | 3.1 | 123 |
| 138 | Galectin-4 in normal tissues and cancer. <i>Glycoconjugate Journal</i> , 2004 , 20, 247-55 | 3 | 117 |
| 137 | Newcastle disease virus neuraminidase primes neutrophils for stimulation by galectin-3 and formyl-Met-Leu-Phe. <i>Experimental Cell Research</i> , 2004 , 298, 74-82 | 4.2 | 20 |
| 136 | Design and synthesis of galectin inhibitors. <i>Methods in Enzymology</i> , 2003 , 363, 157-69 | 1.7 | 40 |
| 135 | Conformational differences in liganded and unliganded states of Galectin-3. <i>Biochemistry</i> , 2003 , 42, 3688-95 | 3.9 | 45 |
| 134 | Efficient and expedient two-step pyranose-retaining fluorescein conjugation of complex reducing oligosaccharides: galectin oligosaccharide specificity studies in a fluorescence polarization assay. <i>Bioconjugate Chemistry</i> , 2003 , 14, 1289-97 | 6.3 | 22 |
| 133 | Fluorescence polarization to study galectin-ligand interactions. <i>Methods in Enzymology</i> , 2003 , 362, 504-127 | 12.7 | 43 |
| 132 | Carbohydrate Recognition and Signaling 2003 , 87-93 | | |
| 131 | Truncated galectin-3 inhibits tumor growth and metastasis in orthotopic nude mouse model of human breast cancer. <i>Clinical Cancer Research</i> , 2003 , 9, 2374-83 | 12.9 | 83 |
| 130 | Low micromolar inhibitors of galectin-3 based on 3Qderivatization of N-acetyllactosamine. <i>ChemBioChem</i> , 2002 , 3, 183-9 | 3.8 | 92 |
| 129 | Galectin-3 binds lactosaminylated lipooligosaccharides from <i>Neisseria gonorrhoeae</i> and is selectively expressed by mucosal epithelial cells that are infected. <i>Cellular Microbiology</i> , 2002 , 4, 649-62 | 3.9 | 61 |
| 128 | Introduction to galectins. <i>Glycoconjugate Journal</i> , 2002 , 19, 433-40 | 3 | 478 |
| 127 | Activation of the neutrophil nicotinamide adenine dinucleotide phosphate oxidase by galectin-1. <i>Journal of Immunology</i> , 2002 , 168, 4034-41 | 5.3 | 77 |
| 126 | The salivary mucin MG1 (MUC5B) carries a repertoire of unique oligosaccharides that is large and diverse. <i>Glycobiology</i> , 2002 , 12, 1-14 | 5.8 | 97 |
| 125 | Distance mapping of protein-binding sites using spin-labeled oligosaccharide ligands. <i>Protein Science</i> , 2001 , 10, 2393-400 | 6.3 | 46 |
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