

Nicolai V Bovin

List of Publications by Year in descending order

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327
papers

12,201
citations

26610

56
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40954

93
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343
all docs

343
docs citations

343
times ranked

10407
citing authors

#	ARTICLE	IF	CITATIONS
1	Printed covalent glycan array for ligand profiling of diverse glycan binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17033-17038.	3.3	1,039
2	Specification of Receptor-Binding Phenotypes of Influenza Virus Isolates from Different Hosts Using Synthetic Sialylglycopolymers: Non-Egg-Adapted Human H1 and H3 Influenza A and Influenza B Viruses Share a Common High Binding Affinity for 6â€²-Sialyl(N-acetyl)lactosamine). Virology, 1997, 232, 345-350.	1.1	243
3	Glycan Array Screening Reveals a Candidate Ligand for Siglec-8*. Journal of Biological Chemistry, 2005, 280, 4307-4312.	1.6	242
4	Ganglioside GD3 expression on target cells can modulate NK cell cytotoxicity via siglec-7-dependent and -independent mechanisms. European Journal of Immunology, 2003, 33, 1642-1648.	1.6	228
5	Endogenous lectins as targets for drug delivery. Advanced Drug Delivery Reviews, 2000, 43, 225-244.	6.6	191
6	Adaptation of Pandemic H1N1 Influenza Viruses in Mice. Journal of Virology, 2010, 84, 8607-8616.	1.5	189
7	A guide into glycosciences: How chemistry, biochemistry and biology cooperate to crack the sugar code. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 186-235.	1.1	188
8	Synthesis of polymeric neoglycoconjugates based on N-substituted polyacrylamides. Glycoconjugate Journal, 1993, 10, 142-151.	1.4	180
9	Evolution of the receptor binding phenotype of influenza A (H5) viruses. Virology, 2006, 344, 432-438.	1.1	179
10	Polyacrylamide-based glycoconjugates as tools in glycobiology. , 1998, 15, 431-446.		172
11	Anti-carbohydrate antibodies of normal sera: Findings, surprises and challenges. Molecular Immunology, 2009, 46, 3037-3049.	1.0	171
12	Masking of CD22 by cis ligands does not prevent redistribution of CD22 to sites of cell contact. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6104-6109.	3.3	159
13	Combination chemotherapy, a potential strategy for reducing the emergence of drug-resistant influenza A variants. Antiviral Research, 2006, 70, 121-131.	1.9	154
14	Decoration of T-independent antigen with ligands for CD22 and Siglec-G can suppress immunity and induce B cell tolerance in vivo. Journal of Experimental Medicine, 2010, 207, 173-187.	4.2	150
15	Membrane-Associated Heparan Sulfate Proteoglycans Are Involved in the Recognition of Cellular Targets by Nkp30 and Nkp46. Journal of Immunology, 2004, 173, 2392-2401.	0.4	146
16	High-Affinity Ligand Probes of CD22 Overcome the Threshold Set by cis Ligands to Allow for Binding, Endocytosis, and Killing of B Cells. Journal of Immunology, 2006, 177, 2994-3003.	0.4	140
17	Receptor specificity of influenza viruses from birds and mammals: new data on involvement of the inner fragments of the carbohydrate chain. Virology, 2005, 334, 276-283.	1.1	138
18	Flow-enhanced adhesion regulated by a selectin interdomain hinge. Journal of Cell Biology, 2006, 174, 1107-1117.	2.3	136

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19	Probing of the Receptor-Binding Sites of the H1 and H3 Influenza A and Influenza B Virus Hemagglutinins by Synthetic and Natural Sialosides. <i>Virology</i> , 1993, 196, 111-121.	1.1	134
20	Unique Conformer Selection of Human Growth-Regulatory Lectin Galectin-1 for Ganglioside GM1 versus Bacterial Toxins. <i>Biochemistry</i> , 2003, 42, 14762-14773.	1.2	131
21	Structural basis for the interaction between human milk oligosaccharides and the bacterial lectin PA-III of <i>Pseudomonas aeruginosa</i> . <i>Biochemical Journal</i> , 2005, 389, 325-332.	1.7	129
22	Synthetic polymeric sialoside inhibitors of influenza virus receptor-binding activity. <i>FEBS Letters</i> , 1990, 272, 209-212.	1.3	125
23	Distinct Endocytic Mechanisms of CD22 (Siglec-2) and Siglec-F Reflect Roles in Cell Signaling and Innate Immunity. <i>Molecular and Cellular Biology</i> , 2007, 27, 5699-5710.	1.1	118
24	Identification of Mycobacterial β -Glucan As a Novel Ligand for DC-SIGN: Involvement of Mycobacterial Capsular Polysaccharides in Host Immune Modulation. <i>Journal of Immunology</i> , 2009, 183, 5221-5231.	0.4	114
25	Influence of the Combined ABO, FUT2, and FUT3 Polymorphism on Susceptibility to Norwalk Virus Attachment. <i>Journal of Infectious Diseases</i> , 2005, 192, 1071-1077.	1.9	108
26	6-sulfo sialyl Lewis X is the common receptor determinant recognized by H5, H6, H7 and H9 influenza viruses of terrestrial poultry. <i>Virology Journal</i> , 2008, 5, 85.	1.4	108
27	Effects of Host-Dependent Glycosylation of Hemagglutinin on Receptor-Binding Properties of H1N1 Human Influenza A Virus Grown in MDCK Cells and in Embryonated Eggs. <i>Virology</i> , 1998, 247, 170-177.	1.1	104
28	Receptor-binding properties of modern human influenza viruses primarily isolated in Vero and MDCK cells and chicken embryonated eggs. <i>Virology</i> , 2003, 313, 473-480.	1.1	102
29	Postreassortment Changes in Influenza A Virus Hemagglutinin Restoring HA-NA Functional Match. <i>Virology</i> , 1998, 244, 315-321.	1.1	98
30	Hemocompatibility of liposomes loaded with lipophilic prodrugs of methotrexate and melphalan in the lipid bilayer. <i>Journal of Controlled Release</i> , 2012, 160, 394-400.	4.8	97
31	Receptor-Binding Profiles of H7 Subtype Influenza Viruses in Different Host Species. <i>Journal of Virology</i> , 2012, 86, 4370-4379.	1.5	96
32	Carbohydrate composition and immunomodulatory activity of different glycoforms of alpha1-acid glycoprotein. <i>Glycoconjugate Journal</i> , 1997, 14, 631-638.	1.4	94
33	Receptor-binding properties of swine influenza viruses isolated and propagated in MDCK cells. <i>Virus Research</i> , 2005, 114, 15-22.	1.1	86
34	H5N1 chicken influenza viruses display a high binding affinity for Neu5Ac1-2-3Gal1-4(6-HSO3)GlcNAc-containing receptors. <i>Virology</i> , 2004, 326, 310-316.	1.1	85
35	Addition of halogenoazides to glycals. <i>Carbohydrate Research</i> , 1981, 98, 25-35.	1.1	81
36	Experimental Evolution of Human Influenza Virus H3 Hemagglutinin in the Mouse Lung Identifies Adaptive Regions in HA1 and HA2. <i>Journal of Virology</i> , 2008, 82, 11599-11608.	1.5	75

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37	Eosinophil-Selective Binding and Proapoptotic Effect in Vitro of a Synthetic Siglec-8 Ligand, Polymeric 6â€²-Sulfated Sialyl Lewis X. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 608-612.	1.3	72
38	Structural Basis for Substrate Specificity of Mammalian Neuraminidases. <i>PLoS ONE</i> , 2014, 9, e106320.	1.1	72
39	Correlation of expression of binding sites for synthetic blood group A-, B- and H- trisaccharides and for sarcolectin with survival of patients with bronchial carcinoma. <i>European Journal of Cancer</i> , 1994, 30, 653-657.	1.3	71
40	Antitumour activity of cytotoxic liposomes equipped with selectin ligand SiaLeX, in a mouse mammary adenocarcinoma model. <i>European Journal of Cancer</i> , 2000, 36, 942-949.	1.3	71
41	Up-regulation of galectin-3 and its ligands by <i>Trypanosoma cruzi</i> infection with modulation of adhesion and migration of murine dendritic cells. <i>Glycobiology</i> , 2004, 14, 647-657.	1.3	71
42	The Î±Gal Epitope of the Histo-Blood Group Antigen Family Is a Ligand for Bovine Norovirus Newbury2 Expected to Prevent Cross-Species Transmission. <i>PLoS Pathogens</i> , 2009, 5, e1000504.	2.1	71
43	Investigation of potential carbohydrate antigen targets for human and baboon antibodies. <i>Xenotransplantation</i> , 2010, 17, 197-206.	1.6	71
44	Serum antiglycan antibody detection of nonmucinous ovarian cancers by using a printed glycan array. <i>International Journal of Cancer</i> , 2012, 130, 138-146.	2.3	71
45	Detection, immunoabsorption, and inhibition of cytotoxic activity of anti-Î±Gal antibodies using newly developed substances with synthetic Gal Î±1â€³Gal disaccharide epitopes. <i>Xenotransplantation</i> , 1995, 2, 98-106.	1.6	70
46	Distribution and Function of Macrophage Galactose-type C-type Lectin 2 (MGL2/CD301b). <i>Journal of Biological Chemistry</i> , 2010, 285, 19193-19204.	1.6	70
47	Network inference from glycoproteomics data reveals new reactions in the IgG glycosylation pathway. <i>Nature Communications</i> , 2017, 8, 1483.	5.8	67
48	Lectin Ligands: New Insights into Their Conformations and Their Dynamic Behavior and the Discovery of Conformer Selection by Lectins. <i>Cells Tissues Organs</i> , 1998, 161, 91-109.	1.3	66
49	Repertoire of human natural anti-glycan immunoglobulins. Do we have auto-antibodies?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1373-1382.	1.1	66
50	Amino Acid 226 in the Hemagglutinin of H4N6 Influenza Virus Determines Binding Affinity for Î±2,6-Linked Sialic Acid and Infectivity Levels in Primary Swine and Human Respiratory Epithelial Cells. <i>Journal of Virology</i> , 2008, 82, 8204-8209.	1.5	62
51	An E-Selectin Binding Assay Based on a Polyacrylamide-Type Glycoconjugate. <i>Analytical Biochemistry</i> , 1996, 238, 184-190.	1.1	61
52	Human plasma trans-sialidase causes atherogenic modification of low density lipoprotein. <i>Atherosclerosis</i> , 2001, 159, 103-115.	0.4	61
53	Hydrogel glycan microarrays. <i>Analytical Biochemistry</i> , 2005, 347, 94-105.	1.1	61
54	Glycan specificity of myelin-associated glycoprotein and sialoadhesin deduced from interactions with synthetic oligosaccharides. <i>FEBS Journal</i> , 1998, 258, 677-685.	0.2	59

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55	Constitutively unmasked CD22 on B cells of ST6Gal I knockout mice: novel sialoside probe for murine CD22. <i>Glycobiology</i> , 2002, 12, 563-571.	1.3	59
56	Design of carbohydrate multiarrays. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 603-609.	1.1	59
57	Activity, Splice Variants, Conserved Peptide Motifs, and Phylogeny of Two New α 1,3-Fucosyltransferase Families (FUT10 and FUT11). <i>Journal of Biological Chemistry</i> , 2009, 284, 4723-4738.	1.6	58
58	Porcine Sperm Bind to Specific 6-Sialylated Biantennary Glycans to Form the Oviduct Reservoir1. <i>Biology of Reproduction</i> , 2012, 87, 147.	1.2	58
59	Successful management of an ABO-mismatched lung allograft using antigen-specific immunoadsorption, complement inhibition, and immunomodulatory therapy1. <i>Transplantation</i> , 2002, 74, 79-84.	0.5	56
60	Polymeric inhibitor of influenza virus attachment protects mice from experimental influenza infection. <i>Antiviral Research</i> , 2002, 55, 201-205.	1.9	55
61	Distinct host range of influenza h3n2 virus isolates in vero and mdck cells is determined by cell specific glycosylation pattern. <i>Virology</i> , 2003, 307, 90-97.	1.1	55
62	Dextran sulfate acts as an endothelial cell protectant and inhibits human complement and natural killer cell-mediated cytotoxicity against porcine cells. <i>Transplantation</i> , 2003, 76, 838-843.	0.5	55
63	Evidence of human non- α -galactosyl antibodies involved in the hyperacute rejection of pig lungs and their removal by pig organ perfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 116, 831-843.	0.4	54
64	Polymer-bound α 2 sialyl-N-acetyllactosamine protects mice infected by influenza virus. <i>Antiviral Research</i> , 2005, 68, 116-123.	1.9	54
65	A simple procedure for the synthesis of the methyl and benzyl glycosides of Neu5Ac and 4-epi-Neu5Ac. Conversion of the benzyl and methyl glycosides of Neu5Ac into N-trifluoroacetylneuraminic acid benzyl glycosides. <i>Carbohydrate Research</i> , 1992, 237, 161-175.	1.1	52
66	NMR-Based, Molecular Dynamics- and Random Walk Molecular Mechanics-Supported Study of Conformational Aspects of a Carbohydrate Ligand (Gal β 21-2Gal β 1-R) for an Animal Galectin in the Free and in the Bound State. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 205-212.	1.0	52
67	Synthesis of Sialic Acid Pseudopolysaccharides by Coupling of Spacer-Connected Neu5Ac With Activated Polymer. <i>Journal of Carbohydrate Chemistry</i> , 1991, 10, 691-700.	0.4	51
68	Natural antibodies to glycans. <i>Biochemistry (Moscow)</i> , 2013, 78, 786-797.	0.7	50
69	A New Combined Computational and NMR-Spectroscopical Strategy for the Identification of Additional Conformational Constraints of the Bound Ligand in an Aprotic Solvent. <i>ChemBioChem</i> , 2000, 1, 181-195.	1.3	49
70	Long-term evolution of the CAZY glycosyltransferase 6 (ABO) gene family from fishes to mammalsâ€”a birth-and-death evolution model. <i>Glycobiology</i> , 2007, 17, 516-528.	1.3	49
71	Synthetic glycolipid modification of red blood cell membranes. <i>Transfusion</i> , 2007, 47, 876-882.	0.8	49
72	Replacing a Lectin Domain Residue in L-selectin Enhances Binding to P-selectin Glycoprotein Ligand-1 but Not to 6-Sulfo-sialyl Lewis x. <i>Journal of Biological Chemistry</i> , 2008, 283, 11493-11500.	1.6	49

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73	Polyglycine II Nanosheets: Supramolecular Antivirals?. <i>ChemBioChem</i> , 2003, 4, 147-154.	1.3	48
74	Comparative study of the glycan specificities of cell-bound human tandem-repeat-type galectin-4, -8 and -9. <i>Glycobiology</i> , 2012, 22, 1207-1217.	1.3	48
75	Histo-blood group antigen-binding specificities of human rotaviruses are associated with gastroenteritis but not with in vitro infection. <i>Scientific Reports</i> , 2018, 8, 12961.	1.6	48
76	Selection of Receptor-Binding Variants of Human Influenza A and B Viruses in Baby Hamster Kidney Cells. <i>Virology</i> , 1999, 262, 31-38.	1.1	47
77	Synthetic polymeric inhibitors of influenza virus receptor-binding activity suppress virus replication. <i>Antiviral Research</i> , 1994, 23, 179-190.	1.9	46
78	Ganglioside binding pattern of CD33-related siglecs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 675-678.	1.0	45
79	NKp46 O-Glycan Sequences That Are Involved in the Interaction with Hemagglutinin Type 1 of Influenza Virus. <i>Journal of Virology</i> , 2010, 84, 3789-3797.	1.5	45
80	Escape mutants of pandemic influenza A/H1N1 2009 virus: Variations in antigenic specificity and receptor affinity of the hemagglutinin. <i>Virus Research</i> , 2012, 166, 61-67.	1.1	44
81	Decreased Neuraminidase Activity Is Important for the Adaptation of H5N1 Influenza Virus to Human Airway Epithelium. <i>Journal of Virology</i> , 2012, 86, 4724-4733.	1.5	43
82	Human-Like Receptor Specificity Does Not Affect the Neuraminidase-Inhibitor Susceptibility of H5N1 Influenza Viruses. <i>PLoS Pathogens</i> , 2008, 4, e1000043.	2.1	42
83	Human influenza virus recognition of sialyloligosaccharides. <i>FEBS Letters</i> , 1995, 366, 57-60.	1.3	41
84	Conformer selection and differential restriction of ligand mobility by a plant lectin. Conformational behaviour of Galbeta1-3GlcNAcbeta1-R, Galbeta1-3GalNAcbeta1-R and Galbeta1-2Galbeta1-R' in the free state and complexed with galactoside-specific mistletoe lectin as revealed by random-walk and conformational-clustering molecular-mechanics calculations, molecular-dynamics simulations and nuclear Overhauser experiments. <i>FEBS Journal</i> , 1998, 252, 416-427.	0.2	41
85	Age is an important determinant in humoral and T cell responses to immunization with hepatitis B surface antigen. <i>Human Vaccines and Immunotherapeutics</i> , 2013, 9, 1466-1476.	1.4	41
86	Conversion of Complex Sialooligosaccharides into Polymeric Conjugates and their Anti-Influenza Virus Inhibitory Potency. <i>Journal of Carbohydrate Chemistry</i> , 2000, 19, 1191-1200.	0.4	40
87	Carcinoid tumors of the lung: Immuno- and ligandohistochemistry, analysis of integrated optical density, syntactic structure analysis, clinical data, and prognosis of patients treated surgically. , 1996, 63, 99-106.		39
88	Comparison of printed glycan array, suspension array and ELISA in the detection of human anti-glycan antibodies. <i>Glycoconjugate Journal</i> , 2011, 28, 507-517.	1.4	38
89	Selectin Receptors 4: Synthesis of Tetrasaccharides Sialyl Lewis A and Sialyl Lewis X Containing A Spacer Group1,2. <i>Journal of Carbohydrate Chemistry</i> , 1996, 15, 939-953.	0.4	37
90	Multimeric glycotherapeutics: New paradigm. <i>Glycoconjugate Journal</i> , 2004, 21, 471-478.	1.4	37

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91	Locally targeted cytoprotection with dextran sulfate attenuates experimental porcine myocardial ischaemia/reperfusion injury. <i>European Heart Journal</i> , 2005, 26, 2334-2343.	1.0	37
92	Galectin-loaded cells as a platform for the profiling of lectin specificity by fluorescent neoglycoconjugates: A case study on galectins-1 and -3 and the impact of assay setting. <i>Glycobiology</i> , 2008, 18, 315-324.	1.3	37
93	Analysis of Tn antigenicity with a panel of new IgM and IgG1 monoclonal antibodies raised against leukemic cells. <i>Glycobiology</i> , 2012, 22, 529-542.	1.3	36
94	Release of Porcine Sperm from Oviduct Cells is Stimulated by Progesterone and Requires CatSper. <i>Scientific Reports</i> , 2019, 9, 19546.	1.6	36
95	Monoclonal antibody LU-BCRU-G7 against a breast tumour-associated glycoprotein recognizes the disaccharide Gal β 1-3GlcNAc. <i>Glycobiology</i> , 1995, 5, 385-389.	1.3	35
96	Simple stereoselective synthesis of β 2-6 sialooligosaccharides. <i>Tetrahedron Letters</i> , 2002, 43, 8011-8013.	0.7	35
97	Selection of carbohydrate-binding cell phenotypes using oligosaccharide-coated magnetic particles. <i>Glycobiology</i> , 1997, 7, 179-182.	1.3	34
98	Microcalorimetric indications for ligand binding as a function of the protein for galactoside-specific plant and avian lectins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1472, 191-196.	1.1	34
99	An Enzyme-Linked Lectin Assay for β 1,3-Galactosyltransferase. <i>Analytical Biochemistry</i> , 2000, 280, 250-257.	1.1	34
100	Endothelial Cell Protection by Dextran Sulfate: A Novel Strategy to Prevent Acute Vascular Rejection in Xenotransplantation. <i>American Journal of Transplantation</i> , 2004, 4, 181-187.	2.6	34
101	Carbamate-Linked Lactose: Design of Clusters and Evidence for Selectivity to Block Binding of Human Lectins to (Neo)Glycoproteins with Increasing Degree of Branching and to Tumor Cells. <i>Bioconjugate Chemistry</i> , 2009, 20, 1716-1728.	1.8	34
102	Receptor-binding properties of influenza viruses isolated from gulls. <i>Virology</i> , 2018, 522, 37-45.	1.1	33
103	IN VITRO EVALUATION OF THE EFFICACY AND BIOCOMPATIBILITY OF NEW, SYNTHETIC ABO IMMUNOABSORBENTS. <i>Transplantation</i> , 1995, 60, 425-429.	0.5	32
104	Normal human serum contains high levels of anti-Gal β 1-4GlcNAc antibodies. <i>Xenotransplantation</i> , 2007, 14, 627-635.	1.6	32
105	LewisX-Containing Glycans on the Porcine Oviductal Epithelium Contribute to Formation of the Sperm Reservoir. <i>Biology of Reproduction</i> , 2014, 91, 140.	1.2	32
106	New feature of angiotensin-converting enzyme: carbohydrate-recognizing domain. <i>Journal of Molecular Recognition</i> , 2000, 13, 360-369.	1.1	31
107	Cyclometalated ruthenium(II) complexes as efficient redox mediators in peroxidase catalysis. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 683-688.	1.1	31
108	Toward creating cell membrane glyco-landscapes with glycan lipid constructs. <i>Carbohydrate Research</i> , 2012, 356, 238-246.	1.1	31

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109	Human tandem-repeat-type galectins bind bacterial non-Î²Gal polysaccharides. <i>Glycoconjugate Journal</i> , 2014, 31, 7-12.	1.4	31
110	The Formation of Glycan-Specific Natural Antibodies Repertoire in GalT-KO Mice Is Determined by Gut Microbiota. <i>Frontiers in Immunology</i> , 2019, 10, 342.	2.2	31
111	Carbohydrate-Based Probes for Detection of Cellular Lectins. <i>Analytical Biochemistry</i> , 1998, 265, 282-289.	1.1	30
112	IMMUNOHEMATOLOGY: Novel antibody screening cells, MUT+Mur kodeocytes, created by attaching peptides onto red blood cells. <i>Transfusion</i> , 2010, 50, 635-641.	0.8	30
113	Hypotheses of the origin of natural antibodies: A glycobiologist's opinion. <i>Biochemistry (Moscow)</i> , 2015, 80, 820-835.	0.7	30
114	Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from <i>Trypanosoma congolense</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004120.	1.3	30
115	Multiplex suspension array for human anti-carbohydrate antibody profiling. <i>Analyst, The</i> , 2011, 136, 560-569.	1.7	29
116	Targeting liposomes loaded with melphalan prodrug to tumour vasculature via the Sialyl Lewis X selectin ligand. <i>Journal of Drug Targeting</i> , 2014, 22, 242-250.	2.1	29
117	Scintillation Proximity Assay for E-, P-, and L-Selectin Utilizing Polyacrylamide-Based Neoglycoconjugates as Ligands. <i>Analytical Biochemistry</i> , 1998, 258, 127-135.	1.1	28
118	Use of a library of mutated <i>Maackia amurensis</i> hemagglutinin for profiling the cell lineage and differentiation. <i>Proteomics</i> , 2008, 8, 3274-3283.	1.3	28
119	Adjustment of receptor-binding and neuraminidase substrate specificities in avian "human reassortant influenza viruses. <i>Glycoconjugate Journal</i> , 2009, 26, 99-109.	1.4	28
120	Molecular adaptation of an H7N3 wild duck influenza virus following experimental multiple passages in quail and turkey. <i>Virology</i> , 2010, 408, 167-173.	1.1	28
121	Fluorescein and radiolabeled Function-Spacer-Lipid constructs allow for simple in vitro and in vivo bioimaging of enveloped virions. <i>Journal of Virological Methods</i> , 2011, 176, 78-84.	1.0	28
122	Non-synonymous single nucleotide polymorphisms in genes for immunoregulatory galectins: Association of galectin-8 (F19Y) occurrence with autoimmune diseases in a Caucasian population. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1512-1518.	1.1	28
123	The reducing end of Î±Gal oligosaccharides contributes to their efficiency in blocking natural antibodies of human and baboon sera. <i>Transplant International</i> , 1996, 9, 98-101.	0.8	27
124	Coexpression of binding sites for A(B) histo-blood group trisaccharides with galectin-3 and Lag antigen in human Langerhans cells. <i>Journal of Leukocyte Biology</i> , 1999, 66, 644-649.	1.5	27
125	The amino acids involved in the distinct carbohydrate specificities between macrophage galactose-type C-type lectins 1 and 2 (CD301a and b) of mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 89-100.	1.1	27
126	Natural anti-A and anti-B of the ABO system: allo- and autoantibodies have different epitope specificity. <i>Transfusion</i> , 2012, 52, 860-869.	0.8	27

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127	Influence of stabilizing components on the integrity of antitumor liposomes loaded with lipophilic prodrug in the bilayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 45-53.	2.5	27
128	Sperm Cohort-Specific Zinc Signature Acquisition and Capacitation-Induced Zinc Flux Regulate Sperm-Oviduct and Sperm-Zona Pellucida Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2121.	1.8	27
129	PEGylation of microbead surfaces reduces unspecific antibody binding in glycan-based suspension array. <i>Journal of Immunological Methods</i> , 2014, 412, 42-52.	0.6	26
130	Chicken GRIFIN: A homodimeric member of the galectin network with canonical properties and a unique expression profile. <i>Biochimie</i> , 2016, 128-129, 34-47.	1.3	26
131	Synthesis of histo blood-group antigens A and B (type 2), xenoantigen Gal β 1-3Gal β 1-4GlcNAc and related type 2 backbone oligosaccharides as haptens in spacered form. <i>Mendeleev Communications</i> , 2002, 12, 143-145.	0.6	25
132	Primary colorectal carcinomas and their intrapulmonary metastases: Clinical, glyco-, immuno- and lectin histochemical, nuclear and syntactic structure analysis with emphasis on correlation with period of occurrence of metastases and survival. <i>Apmis</i> , 2002, 110, 435-446.	0.9	25
133	Synthesis of complex β 1-2-3 sialooligosaccharides, including sulfated and fucosylated ones, using Neu5Ac β 2-3Gal as a building block. <i>Mendeleev Communications</i> , 2003, 13, 245-248.	0.6	25
134	High molecular weight neoglycoconjugates for solid phase assays. <i>Glycoconjugate Journal</i> , 2005, 22, 43-51.	1.4	25
135	FSL Constructs: A Simple Method for Modifying Cell/Virion Surfaces with a Range of Biological Markers Without Affecting their Viability. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	25
136	Processing and analysis of serum antibody binding signals from Printed Glycan Arrays for diagnostic and prognostic applications. <i>International Journal of Bioinformatics Research and Applications</i> , 2011, 7, 402.	0.1	25
137	A Diverse Range of Bacterial and Eukaryotic Chitinases Hydrolyzes the LacNAc (Gal β 1-4GlcNAc) and LacdiNAc (GalNAc β 1-4GlcNAc) Motifs Found on Vertebrate and Insect Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 5354-5366.	1.6	25
138	Blood Plasma-Derived Anti-Glycan Antibodies to Sialylated and Sulfated Glycans Identify Ovarian Cancer Patients. <i>PLoS ONE</i> , 2016, 11, e0164230.	1.1	25
139	Multiplex determination of serological signatures in the sera of colorectal cancer patients using hydrogel biochips. <i>Cancer Medicine</i> , 2016, 5, 1361-1372.	1.3	25
140	Both IgG and IgM anti-pig antibodies induce complement activation and cytotoxicity. <i>Xenotransplantation</i> , 2001, 8, 3-14.	1.6	24
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292	Synthesis of trisaccharide 6â€™™ SiaLec and its 6-O-Su derivative. <i>Mendeleev Communications</i> , 2012, 22, 194-195.	0.6	3
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