

Nicolai V Bovin

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.

326
papers

10,475
citations

53
h-index

88
g-index

343
ext. papers

11,436
ext. citations

4
avg, IF

5.79
L-index

#	Paper	IF	Citations
326	Erytra blood group analyser and kode technology testing of SARS-CoV-2 antibodies among convalescent patients and vaccinated individuals.. <i>EJHaem</i> , 2022 , 3, 72-79	0.9	0
325	Poly-L-Lysine-Based Gal-Glycoconjugates for Treating Anti-Gal IgE-Mediated Diseases.. <i>Frontiers in Immunology</i> , 2022 , 13, 873019	8.4	
324	Repertoire of glycan-binding placenta-associated antibodies in healthy pregnancy and in preeclampsia.. <i>Scandinavian Journal of Immunology</i> , 2022 , e13157	3.4	
323	Hyperactivation is sufficient to release porcine sperm from immobilized oviduct glycans.. <i>Scientific Reports</i> , 2022 , 12, 6446	4.9	0
322	Synthesis of bodipy-labeled bacterial polysaccharides and their interaction with human dendritic cells. <i>Glycoconjugate Journal</i> , 2021 , 38, 369	3	
321	Progesterone induces porcine sperm release from oviduct glycans in a proteasome-dependent manner. <i>Reproduction</i> , 2021 , 161, 449-457	3.8	3
320	Missing the sweet spot: one of the two N-glycans on human Gb3/CD77 synthase is expendable. <i>Glycobiology</i> , 2021 , 31, 1145-1162	5.8	1
319	Identification of the Glycan Binding Profile of Human and Rodent Sporozoites. <i>ACS Infectious Diseases</i> , 2021 , 7, 2383-2389	5.5	1
318	SARS-CoV-2 Peptide Bioconjugates Designed for Antibody Diagnostics. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1606-1616	6.3	4
317	Synthesis of spacer armed Kdn(2- β') and (2- β')-lactosamines for immunochemical research. <i>Mendeleev Communications</i> , 2021 , 31, 490-492	1.9	0
316	40 years of glyco-polyacrylamide in glycobiology. <i>Glycoconjugate Journal</i> , 2021 , 38, 89-100	3	4
315	Specificity profile of Gal antibodies in GalT KO mice as probed with comprehensive printed glycan array: Comparison with human anti-Galili antibodies. <i>Xenotransplantation</i> , 2021 , 28, e12672	2.8	1
314	Probing sulfatide-tissue lectin recognition with functionalized glycodendrimersomes. <i>IScience</i> , 2021 , 24, 101919	6.1	11
313	COVID-19 antibody screening with SARS-CoV-2 red cell kodecytes using routine serologic diagnostic platforms. <i>Transfusion</i> , 2021 , 61, 1171-1180	2.9	7
312	Recombinant SARS-CoV-2 S Protein Binds to Glycans of the Lactosamine Family in vitro. <i>Biochemistry (Moscow)</i> , 2021 , 86, 243-247	2.9	8
311	Low Levels of Natural Anti- β -Acetylgalactosamine (Tn) Antibodies Are Associated With COVID-19. <i>Frontiers in Microbiology</i> , 2021 , 12, 641460	5.7	4
310	A convenient route to conjugates of 1,2-diglycerides with functionalized oligoethylene glycol spacer arms. <i>Mendeleev Communications</i> , 2021 , 31, 538-541	1.9	1

309	Erytra Blood Group Analyser and Kode Technology testing of SARS-CoV-2 antibodies among convalescent patients and vaccinated individuals 2021 ,		2
308	Characterization of changes in the hemagglutinin that accompanied the emergence of H3N2/1968 pandemic influenza viruses. <i>PLoS Pathogens</i> , 2021 , 17, e1009566	7.6	1
307	Localization of synthetic glycolipids in the cell and the dynamics of their insertion/loss. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183645	3.8	0
306	COVID-19 Antibody Detection and Assay Performance Using Red Cell Agglutination. <i>Microbiology Spectrum</i> , 2021 , e0083021	8.9	1
305	Synthesis of blood group A and B (type 2) tetrasaccharides. A strategy with fucosylation at the last stage. <i>Carbohydrate Research</i> , 2020 , 498, 108192	2.9	3
304	Laninamivir-Interferon Lambda 1 Combination Treatment Promotes Resistance by Influenza A Virus More Rapidly than Laninamivir Alone. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	1
303	Xenogeneic Neu5Gc and self-glycan Neu5Ac epitopes are potential immune targets in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	5
302	Structure of Supramers Formed by the Amphiphile Biotin-CMG-DOPE. <i>ChemistryOpen</i> , 2020 , 9, 641-648	2.3	2
301	Can Endothelial Glycocalyx Be a Major Morphological Substrate in Pre-Eclampsia?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
300	Structure of Supramers Formed by the Amphiphile Biotin-CMG-DOPE. <i>ChemistryOpen</i> , 2020 , 9, 640	2.3	
299	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,	6.3	10
298	Specificity of human natural antibodies referred to as anti-Tn. <i>Molecular Immunology</i> , 2020 , 120, 74-82	4.3	10
297	Incidence in plasma of low level antibodies against three xenotransplantation and immunotherapeutic glycan antigens. <i>AIMS Allergy and Immunology</i> , 2020 , 4, 75-87	0.5	
296	Negative Correlation between Natural Human Antibodies Directed to Glycotopes Gal β -3GlcNAc and Gal β -4GlcNAc. <i>Russian Journal of Bioorganic Chemistry</i> , 2020 , 46, 1207-1213	1	
295	Are there specific antibodies against Neu5Gc epitopes in the blood of healthy individuals?. <i>Glycobiology</i> , 2020 , 30, 395-406	5.8	6
294	Glycan-binding profile of DC-like cells. <i>Glycoconjugate Journal</i> , 2020 , 37, 129-138	3	3
293	Expression of fucosylated glycans in endothelial glycocalyxes of placental villi at early and late fetal growth restriction. <i>Placenta</i> , 2020 , 90, 98-102	3.4	5
292	Characterization of novel lectins from <i>Burkholderia pseudomallei</i> and <i>Chromobacterium violaceum</i> with seven-bladed propeller fold. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 1113-1124	7.9	4

291	Influence of protein (human galectin-3) design on aspects of lectin activity. <i>Histochemistry and Cell Biology</i> , 2020 , 154, 135-153	2.4	9
290	Human Natural Antibodies Recognizing Glycan Gal β -3GlcNAc (Le). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
289	Adhesion to oviduct glycans regulates porcine sperm Ca ²⁺ influx and viability. <i>PLoS ONE</i> , 2020 , 15, e0233666	3.6	2
288	Adaptation of influenza B virus by serial passage in human airway epithelial cells. <i>Virology</i> , 2020 , 549, 68-76	3.6	
287	The architecture of the IgG anti-carbohydrate repertoire in primary antibody deficiencies. <i>Blood</i> , 2019 , 134, 1941-1950	2.2	7
286	Synthesis of GalNGc β -3GalNAc β disaccharide and its interaction with human blood antibodies. <i>Mendeleev Communications</i> , 2019 , 29, 254-255	1.9	
285	How altering the modular architecture affects aspects of lectin activity: case study on human galectin-1. <i>Glycobiology</i> , 2019 , 29, 593-607	5.8	12
284	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	8.4	17
283	A standardized kocyte method to quantify ABO antibodies in undiluted plasma of patients before ABO-incompatible kidney transplantation. <i>Transfusion</i> , 2019 , 59, 2131-2140	2.9	6
282	Lectin activity of <i>Pseudomonas aeruginosa</i> vaccine candidates PSE17-1, PSE41-5 and PSE54. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 513, 287-290	3.4	4
281	Printed Glycan Array: A Sensitive Technique for the Analysis of the Repertoire of Circulating Anti-carbohydrate Antibodies in Small Animals. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
280	Blood Group O-A Transformation by Chemical Ligation of Erythrocytes. <i>ChemBioChem</i> , 2019 , 20, 131-133	3.8	4
279	Sulfated Lewis A trisaccharide on oviduct membrane glycoproteins binds bovine sperm and lengthens sperm lifespan. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13445-13463	5.4	5
278	Synthesis of blood group Forssman pentasaccharide GalNAc β -3GalNAc β -3Gal β -4Gal β -4Glc β . <i>Mendeleev Communications</i> , 2019 , 29, 578-580	1.9	
277	Synthesis of glycans functioning as antigens of the ABO blood group system. <i>Mendeleev Communications</i> , 2019 , 29, 597-612	1.9	1
276	Synthesis of N-acetylglucosamine based branched hexasaccharide. <i>Mendeleev Communications</i> , 2019 , 29, 680-682	1.9	
275	Release of Porcine Sperm from Oviduct Cells is Stimulated by Progesterone and Requires CatSper. <i>Scientific Reports</i> , 2019 , 9, 19546	4.9	25
274	Human antibodies eluted from ligand-free Sepharose capable of binding bacterial polysaccharides and sulfated glycans. <i>Molecular Immunology</i> , 2019 , 106, 63-68	4.3	5

273	Kode Technology is a universal cell surface glycan modification technology. <i>Journal of the Royal Society of New Zealand</i> , 2019 , 49, 100-113	2	3
272	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	6	16
271	Rapid one-step biotinylation of biological and non-biological surfaces. <i>Scientific Reports</i> , 2018 , 8, 2845	4.9	11
270	Glycan recognition by human blood mononuclear cells with an emphasis on dendritic cells. <i>Glycoconjugate Journal</i> , 2018 , 35, 191-203	3	5
269	Repertoire of Abs primed by bacteria in gnotobiotic mice. <i>Innate Immunity</i> , 2018 , 24, 180-187	2.7	6
268	Defining the Specificity of Carbohydrate-Protein Interactions by Quantifying Functional Group Contributions. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1889-1901	6.1	12
267	The use of plant lectins to regulate H1N1 influenza A virus receptor binding activity. <i>PLoS ONE</i> , 2018 , 13, e0195525	3.7	5
266	Receptor-binding properties of influenza viruses isolated from gulls. <i>Virology</i> , 2018 , 522, 37-45	3.6	17
265	ABO Blood Group Antigen Decorated Giant Unilamellar Vesicles Exhibit Distinct Interactions with Plasmodium falciparum Infected Red Blood Cells. <i>ACS Chemical Biology</i> , 2018 , 13, 2421-2426	4.9	6
264	Localization of Galectins within Glycocalyx. <i>Biochemistry (Moscow)</i> , 2018 , 83, 727-737	2.9	3
263	Effect of sorting boar spermatozoa by sex chromosomes on oviduct cell binding. <i>Theriogenology</i> , 2018 , 108, 22-28	2.8	5
262	Host-Specific Glycans Are Correlated with Susceptibility to Infection by Lagoviruses, but Not with Their Virulence. <i>Journal of Virology</i> , 2018 , 92,	6.6	11
261	Porcine sperm binding to oviduct cells and glycans as supplements to traditional laboratory semen analysis. <i>Journal of Animal Science</i> , 2018 , 96, 5265-5275	0.7	7
260	YesU from Bacillus subtilis preferentially binds fucosylated glycans. <i>Scientific Reports</i> , 2018 , 8, 13139	4.9	4
259	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	4.9	32
258	Immuno-PCR technology for detection of natural human antibodies against Le disaccharide. <i>Glycoconjugate Journal</i> , 2017 , 34, 199-205	3	8
257	Naturally occurring anti-glycan antibodies binding to Globo H-expressing cells identify ovarian cancer patients. <i>Journal of Ovarian Research</i> , 2017 , 10, 8	5.5	16
256	Synthetic glyco-O-sulfatome for profiling of human natural antibodies. <i>Carbohydrate Research</i> , 2017 , 445, 23-31	2.9	4

255	Altered (neo-) lacto series glycolipid biosynthesis impairs α -6 sialylation on N-glycoproteins in ovarian cancer cells. <i>Scientific Reports</i> , 2017 , 7, 45367	4.9	15
254	Glycoprotein CA19.9-specific monoclonal antibodies recognize sialic acid-independent glycotope. <i>Tumor Biology</i> , 2017 , 39, 1010428317725434	2.9	2
253	Gram scale synthesis of A (type 2) and B (type 2) blood group tetrasaccharides through 1,6-anhydro-N-acetyl-D-glucosamine. <i>Carbohydrate Research</i> , 2017 , 449, 65-84	2.9	4
252	Network inference from glycoproteomics data reveals new reactions in the IgG glycosylation pathway. <i>Nature Communications</i> , 2017 , 8, 1483	17.4	26
251	Why human anti-Gal β -4Gal β -4Glc natural antibodies do not recognize the trisaccharide on erythrocyte membrane? Molecular dynamics and immunochemical investigation. <i>Molecular Immunology</i> , 2017 , 90, 87-97	4.3	6
250	Amino Acids in Hemagglutinin Antigenic Site B Determine Antigenic and Receptor Binding Differences between A(H3N2)v and Ancestral Seasonal H3N2 Influenza Viruses. <i>Journal of Virology</i> , 2017 , 91,	6.6	13
249	Lectin activity of the pneumococcal pilin proteins. <i>Scientific Reports</i> , 2017 , 7, 17784	4.9	7
248	Studying the Structural Significance of Galectin Design by Playing a Modular Puzzle: Homodimer Generation from Human Tandem-Repeat-Type (Heterodimeric) Galectin-8 by Domain Shuffling. <i>Molecules</i> , 2017 , 22,	4.8	8
247	Repertoire of BALB/c Mice Natural Anti-Carbohydrate Antibodies: Mice vs. Humans Difference, and Otherness of Individual Animals. <i>Frontiers in Immunology</i> , 2017 , 8, 1449	8.4	11
246	Generation and characterization of interferon-lambda 1-resistant H1N1 influenza A viruses. <i>PLoS ONE</i> , 2017 , 12, e0181999	3.7	8
245	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	4.6	25
244	Changes in the phenotypic properties of highly pathogenic influenza A virus of H5N1 subtype induced by N186I and N186T point mutations in hemagglutinin. <i>Molecular Biology</i> , 2016 , 50, 755-761	1.2	2
243	Galectin-related protein: An integral member of the network of chicken galectins 1. From strong sequence conservation of the gene confined to vertebrates to biochemical characteristics of the chicken protein and its crystal structure. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 2285-97	4	21
242	Human Gb3/CD77 synthase reveals specificity toward two or four different acceptors depending on amino acid at position 211, creating P(k), P1 and NOR blood group antigens. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 470, 168-174	3.4	17
241	Ultra-Fast Glyco-Coating of Non-Biological Surfaces. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	12
240	Blood Plasma-Derived Anti-Glycan Antibodies to Sialylated and Sulfated Glycans Identify Ovarian Cancer Patients. <i>PLoS ONE</i> , 2016 , 11, e0164230	3.7	14
239	Glycomapping the fine specificity of monoclonal and polyclonal Lewis antibodies with type-specific Lewis kodecytes and function-spacer-lipid constructs printed on paper. <i>Transfusion</i> , 2016 , 56, 325-33	2.9	12
238	Antibody complement-mediated hemolytic studies with kodecytes reveal that human complement utilized in the classical pathway is more stable than generally accepted. <i>Transfusion</i> , 2016 , 56, 2495-2501	2.9	4

237	Synthesis of blood group pentasaccharides A ₁ Le ^x , B ₁ Le ^x and related tri- and tetrasaccharides. <i>Mendeleev Communications</i> , 2016 , 26, 103-105	1.9	5
236	Block synthesis of A (type 2) and B (type 2) tetrasaccharides related to the human ABO blood group system. <i>Carbohydrate Research</i> , 2016 , 430, 59-71	2.9	16
235	Stereo- and regioselective synthesis of spacer armed 2-6 sialooligosaccharides. <i>Mendeleev Communications</i> , 2016 , 26, 380-382	1.9	2
234	Function-spacer-lipid constructs of Lewis and chimeric Lewis/ABH glycans. Synthesis and use in serological studies. <i>Carbohydrate Research</i> , 2016 , 435, 83-96	2.9	16
233	Biofunctionalizing nanofibers with carbohydrate blood group antigens. <i>Biopolymers</i> , 2016 , 105, 787-94	2.2	4
232	Multiplex determination of serological signatures in the sera of colorectal cancer patients using hydrogel biochips. <i>Cancer Medicine</i> , 2016 , 5, 1361-72	4.8	19
231	Synthesis of glycoprotein N-chain core fragment GlcNAc ₁ -4(Fuc ₁ -6)GlcNAc. <i>Mendeleev Communications</i> , 2015 , 25, 250-251	1.9	2
230	Hypotheses of the origin of natural antibodies: a glycobiologist's opinion. <i>Biochemistry (Moscow)</i> , 2015 , 80, 820-35	2.9	22
229	Specificity of human galectins on cell surfaces. <i>Biochemistry (Moscow)</i> , 2015 , 80, 846-56	2.9	9
228	Comparative lectinology: Delineating glycan-specificity profiles of the chicken galectins using neoglycoconjugates in a cell assay. <i>Glycobiology</i> , 2015 , 25, 726-34	5.8	13
227	Alterations in hemagglutinin receptor-binding specificity accompany the emergence of highly pathogenic avian influenza viruses. <i>Journal of Virology</i> , 2015 , 89, 5395-405	6.6	11
226	Monoclonal anti-A activity against the FORS1 (Forssman) antigen. <i>Transfusion</i> , 2015 , 55, 129-36	2.9	14
225	Pleiotropic effects of amino acid substitutions in H5 hemagglutinin of influenza A escape mutants. <i>Virus Research</i> , 2015 , 210, 81-9	6.4	6
224	Novel Direct Assay for Acetyl-CoA:β-Glucosaminide N-Acetyltransferase Using BODIPY-Glucosamine as a Substrate. <i>JIMD Reports</i> , 2015 , 11	1.9	3
223	A guide into glycosciences: How chemistry, biochemistry and biology cooperate to crack the sugar code. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 186-235	4	169
222	Natural Antibodies Against Sialoglycans. <i>Topics in Current Chemistry</i> , 2015 , 366, 169-81		13
221	Synthesis of 1-BODIPY-labeled 2-amino-2-deoxy-d-glucose, substrate for acetyl-CoA:glucosaminide N-acetyltransferase. <i>Mendeleev Communications</i> , 2015 , 25, 422-423	1.9	5
220	Synthesis of mono- and di-O-sulfates of spacer-armed lactose. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1125-1133	1.3	2

219	New protecting groups in the synthesis of oligosaccharides. <i>Russian Chemical Bulletin</i> , 2015 , 64, 973-989	1.7	9
218	Interactions of antitumour Sialyl Lewis X liposomes with vascular endothelial cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 1099-110	3.8	16
217	A diverse range of bacterial and eukaryotic chitinases hydrolyzes the LacNAc (Gal β -4GlcNAc) and LacdiNAc (GalNAc β -4GlcNAc) motifs found on vertebrate and insect cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 5354-66	5.4	18
216	Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from Trypanosoma congolense. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004120	4.8	24
215	Mapping the fine specificity of ABO monoclonal reagents with A and B type-specific function-spacer-lipid constructs in kodeocytes and inkjet printed on paper. <i>Transfusion</i> , 2014 , 54, 2477-84	2.9	19
214	Labeling of influenza viruses with synthetic fluorescent and biotin-labeled lipids. <i>Virologica Sinica</i> , 2014 , 29, 199-210	6.4	9
213	Human chitotriosidase CHIT1 cross reacts with mammalian-like substrates. <i>FEBS Letters</i> , 2014 , 588, 746-51	5.8	6
212	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	5.4	23
211	Biantennary oligoglycines and glyco-oligoglycines self-associating in aqueous medium. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 1372-82	2.5	11
210	PEGylation of microbead surfaces reduces unspecific antibody binding in glycan-based suspension array. <i>Journal of Immunological Methods</i> , 2014 , 412, 42-52	2.5	20
209	LewisX-containing glycans on the porcine oviductal epithelium contribute to formation of the sperm reservoir. <i>Biology of Reproduction</i> , 2014 , 91, 140	3.9	22
208	Human tandem-repeat-type galectins bind bacterial non-Tal polysaccharides. <i>Glycoconjugate Journal</i> , 2014 , 31, 7-12	3	27
207	Structural basis for substrate specificity of mammalian neuraminidases. <i>PLoS ONE</i> , 2014 , 9, e106320	3.7	49
206	Natural antibodies to glycans. <i>Biochemistry (Moscow)</i> , 2013 , 78, 786-97	2.9	42
205	Structural studies of the interaction of Crataeva tapia bark protein with heparin and other glycosaminoglycans. <i>Biochemistry</i> , 2013 , 52, 2148-56	3.2	18
204	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, 1466-76	4.4	37
203	Divergent Strategy for the Synthesis of α -3-Linked Sialo-oligosaccharide Libraries Using a Neu5TFA-(α -3)-Gal Building Block. <i>Synlett</i> , 2013 , 24, 226-230	2.2	12
202	A7.4 Association of Galectin Single Nucleotide Polymorphisms with Autoimmune Diseases. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, A49.1-A49	2.4	

201	Plasma Anti-Glycan Antibody Profiles Associated with Nickel level in Urine. <i>Journal of Proteomics and Bioinformatics</i> , 2013 , 6, 302-312	2.1	3
200	Natural anti-A and anti-B of the ABO system: allo- and autoantibodies have different epitope specificity. <i>Transfusion</i> , 2012 , 52, 860-9	2.9	26
199	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	11.7	89
198	Serum antiglycan antibody detection of nonmucinous ovarian cancers by using a printed glycan array. <i>International Journal of Cancer</i> , 2012 , 130, 138-46	7.5	66
197	Both influenza hemagglutinin and polymerase acidic genes are important for delayed pandemic 2009 H1N1 virus clearance in the ferret model. <i>Virology</i> , 2012 , 432, 389-93	3.6	5
196	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, 61-7	6.4	39
195	Repertoire of human natural anti-glycan immunoglobulins. Do we have auto-antibodies?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1373-82	4	57
194	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, 1512-8	4	26
193	Immobilization of polyacrylamide-based glycoconjugates on solid phase in immunosorbent assays. <i>Methods in Molecular Biology</i> , 2012 , 808, 167-82	1.4	6
192	Porcine sperm bind to specific 6-sialylated biantennary glycans to form the oviduct reservoir. <i>Biology of Reproduction</i> , 2012 , 87, 147	3.9	45
191	Evaluation of multimeric tyrosine-O-sulfate as a cytoprotectant in an in vivo model of acute myocardial infarction in pigs. <i>Cardiology</i> , 2012 , 121, 59-70	1.6	5
190	Synthesis of trisaccharide 6SiaLec and its 6-O-Su derivative. <i>Mendeleev Communications</i> , 2012 , 22, 194-195		3
189	Analysis of Tn antigenicity with a panel of new IgM and IgG1 monoclonal antibodies raised against leukemic cells. <i>Glycobiology</i> , 2012 , 22, 529-42	5.8	34
188	Comparative study of the glycan specificities of cell-bound human tandem-repeat-type galectin-4, -8 and -9. <i>Glycobiology</i> , 2012 , 22, 1207-17	5.8	42
187	Printed glycan array: antibodies as probed in undiluted serum and effects of dilution. <i>Glycoconjugate Journal</i> , 2012 , 29, 87-91	3	16
186	Block synthesis of A tetrasaccharides (types 1, 3, and 4) related to the human ABO blood group system. <i>Carbohydrate Research</i> , 2012 , 351, 17-25	2.9	16
185	Toward creating cell membrane glyco-landscapes with glycan lipid constructs. <i>Carbohydrate Research</i> , 2012 , 356, 238-46	2.9	24
184	Receptor-binding profiles of H7 subtype influenza viruses in different host species. <i>Journal of Virology</i> , 2012 , 86, 4370-9	6.6	74

183	Decreased neuraminidase activity is important for the adaptation of H5N1 influenza virus to human airway epithelium. <i>Journal of Virology</i> , 2012 , 86, 4724-33	6.6	35
182	Multiplex suspension array for human anti-carbohydrate antibody profiling. <i>Analyst, The</i> , 2011 , 136, 560-9		24
181	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 ,	1.6	19
180	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, 402-26	0.9	19
179	Galectins promote the interaction of influenza virus with its target cell. <i>Biochemistry (Moscow)</i> , 2011 , 76, 958-67	2.9	11
178	Carbohydrate specificity of chicken and human tandem-repeat-type galectins-8 in composition of cells. <i>Biochemistry (Moscow)</i> , 2011 , 76, 1185-92	2.9	15
177	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	2.6	23
176	Comparison of printed glycan array, suspension array and ELISA in the detection of human anti-glycan antibodies. <i>Glycoconjugate Journal</i> , 2011 , 28, 507-17	3	35
175	Profiling of serum antibodies with printed glycan array: room for data misinterpretation. <i>Glycoconjugate Journal</i> , 2011 , 28, 501-5	3	13
174	Synthesis of diglyceride conjugate of selectin ligand SiaLeX as a vector for targeting of drug-loaded liposomes. <i>Mendeleev Communications</i> , 2011 , 21, 69-71	1.9	5
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22	Carcinoid tumors of the lung: immuno- and ligandohistochemistry, analysis of integrated optical density, syntactic structure analysis, clinical data, and prognosis of patients treated surgically. <i>Journal of Surgical Oncology</i> , 1996 , 63, 99-106	2.8	32

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20	The reducing end of alpha Gal oligosaccharides contributes to their efficiency in blocking natural antibodies of human and baboon sera. <i>Transplant International</i> , 1996 , 9, 98-101	3	6
19	Monoclonal antibody LU-BCRU-G7 against a breast tumour-associated glycoprotein recognizes the disaccharide Gal beta 1-3GlcNAc. <i>Glycobiology</i> , 1995 , 5, 385-9	5.8	25
18	Human influenza virus recognition of sialyloligosaccharides. <i>FEBS Letters</i> , 1995 , 366, 57-60	3.8	36
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15	Detection, immunoabsorption, and inhibition of cytotoxic activity of anti-Gal antibodies using newly developed substances with synthetic Gal β Gal disaccharide epitopes. <i>Xenotransplantation</i> , 1995 , 2, 98-106	2.8	61
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12	Synthetic polymeric inhibitors of influenza virus receptor-binding activity suppress virus replication. <i>Antiviral Research</i> , 1994 , 23, 179-90	10.8	43
11	Correlation of expression of binding sites for synthetic blood group A-, B- and H-trisaccharides and for sarsoclectin with survival of patients with bronchial carcinoma. <i>European Journal of Cancer</i> , 1994 , 30A, 653-7	7.5	68
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8	Detection of Sialic Acid Residues and Studies of Their Organization in Normal and Tumor α -Acid Glycoproteins as Probed by Surface-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 1993 , 47, 535-538	3.1	13
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4	Synthetic polymeric sialoside inhibitors of influenza virus receptor-binding activity. <i>FEBS Letters</i> , 1990 , 272, 209-12	3.8	108

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