Nikolay E Nifantiev

List of Publications by Year in Descending Order

283 papers	6,423 citations	39 h-index	67 g-index
329 ext. papers	7,154 ext. citations	3.4 avg, IF	5.76 L-index

#	Paper	IF	Citations
283	Depolymerization of a fucosylated chondroitin sulfate from Cucumaria japonica: Structure and activity of the product.. *Carbohydrate Polymers*, **2022**, 281, 119072	10.3	1
282	Biorecognition Layer Based On Biotin-Containing [1]Benzothieno[3,2-][1]benzothiophene Derivative for Biosensing by Electrolyte-Gated Organic Field-Effect Transistors.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	1
281	Synthesis of Oligosaccharides Structurally Related to Hyaluronic Acid Fragments. *Russian Journal of Bioorganic Chemistry*, **2022**, 48, 191-220	1	0
280	Further Investigation of the 2-Azido-phenylselenylation of Glycals. *European Journal of Organic Chemistry*, **2021**, 2021, 5897	3.2	1
279	Synthesis of a cyclic tetramer of 3-amino-3-deoxyallose with axially oriented amino groups. *Carbohydrate Research*, **2021**, 511, 108476	2.9	1
278	Chondroitin Sulfate and Fucosylated Chondroitin Sulfate as Stimulators of Hematopoiesis in Cyclophosphamide-Induced Mice. *Pharmaceuticals*, **2021**, 14,	5.2	3
277	3-Amino-3-deoxy- and 4-amino-4-deoxyhexoses in the synthesis of natural carbohydrate compounds and their analogues. *Russian Chemical Reviews*, **2021**, 90, 171-198	6.8	2
276	Affinity characteristics of anti-(1->3)-d-glucan monoclonal antibody 3G11 by fluorescence polarization immunoassay. *Russian Chemical Bulletin*, **2021**, 70, 975-981	1.7	
275	Gausemycins A,B: Cyclic Lipoglycopeptides from Streptomyces sp.**. *Angewandte Chemie*, **2021**, 133, 18842-18851	3.6	
274	Oversulfated dermatan sulfate and heparinoid in the starfish Lysastrosoma anthosticta: Structures and anticoagulant activity. *Carbohydrate Polymers*, **2021**, 261, 117867	10.3	1
273	Gausemycins A,B: Cyclic Lipoglycopeptides from Streptomyces sp.*. *Angewandte Chemie - International Edition*, **2021**, 60, 18694-18703	16.4	2
272	Innentitelbild: Gausemycins A,B: Cyclic Lipoglycopeptides from Streptomyces sp. (Angew. Chem. 34/2021). *Angewandte Chemie*, **2021**, 133, 18498-18498	3.6	1
271	Reinvestigation of Carbohydrate Specificity of EBCA-1 Monoclonal Antibody Used for the Detection of Mannan. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	2
270	Antiaggregant effects of (1,2,5-oxadiazolyl)azasydnone ring assemblies as novel antiplatelet agents. *Chemical Biology and Drug Design*, **2021**,	2.9	3
269	Glycoconjugate Vaccines for Prevention of Type b Diseases. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 26-52	1	1
268	Chemical Examination of the Knotwood of Shorea robusta. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 103-111	1	1
267	Synthesis and conformational analysis of vicinally branched trisaccharide d-Galf-(1 -> 2)-[d-Galf-(1 -> 3)-]-Galp from Cryptococcus neoformans galactoxylomannan. *Organic and Biomolecular Chemistry*, **2021**, 19, 2923-2931	3.9	1

266	Selective Acetylation of the Primary Hydroxyl Group in Methyl D-Hexopyranosides with a Mixture of Acetic Anhydride and Acetic Acid. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 99-102	1	
265	Polyphenolic components of knotwood extracts from Abies sibirica. *Russian Chemical Bulletin*, **2021** , 70, 1356-1362	1.7	0
264	Computational and NMR Conformational Analysis of Galactofuranoside Cycles Presented in Bacterial and Fungal Polysaccharide Antigens. *Frontiers in Molecular Biosciences*, **2021**, 8, 719396	5.6	
263	The Synthesis of Blood Group Antigenic A Trisaccharide and Its Biotinylated Derivative. *Molecules*, **2021**, 26,	4.8	2
262	The importance of developing new mannan tests in the diagnosis of invasive candidiasis in oncology patients. *South Russian Journal of Cancer*, **2021**, 2, 42-47	0.8	1
261	Protecting Groups as a Factor of Stereocontrol in Glycosylation Reactions. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 53-70	1	6
260	Synthetic Analogs of Capsular Polysaccharides and Immunogenic Activities of Glycoconjugates. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 1-25	1	3
259	Synthesis of biotinylated pentasaccharide structurally related to a fragment of glucomannan from .. *Russian Chemical Bulletin*, **2021**, 70, 2208-2213	1.7	0
258	Synthesis and Preliminary Immunological Evaluation of a Pseudotetrasaccharide Related to a Repeating Unit of the Serotype 6A Capsular Polysaccharide.. *Frontiers in Molecular Biosciences*, **2021**, 8, 754753	5.6	
257	Fucosylated Chondroitin Sulfates from the Sea Cucumbers and : Structures and Anticoagulant Activity. *Marine Drugs*, **2020**, 18,	6	8
256	Synthetic Oligomers Mimicking Capsular Polysaccharide Diheteroglycan are Potential Vaccine Candidates against Encapsulated Infections. *ACS Infectious Diseases*, **2020**, 6, 1816-1826	5.5	6
255	Fucosylated chondroitin sulfate from the sea cucumber Hemioedema spectabilis: Structure and influence on cell adhesion and tubulogenesis. *Carbohydrate Polymers*, **2020**, 234, 115895	10.3	9
254	Potential of Chemically Synthesized Oligosaccharides To Define the Carbohydrate Moieties of the Fungal Cell Wall Responsible for the Human Immune Response, Using Aspergillus fumigatus Galactomannan as a Model. *MSphere*, **2020**, 5,	5	15
253	Azidophenylselenylation of glycals towards 2-azido-2-deoxy-selenoglycosides and their application in oligosaccharide synthesis. *Pure and Applied Chemistry*, **2020**, 92, 1047-1056	2.1	8
252	Immunological and Epidemiological Aspects of the Immunogenicity of Streptococcus Pneumoniae Serotype 3 Capsular Polysaccharide in Pneumococcal Vaccines. *Zhurnal Mikrobiologii Epidemiologii I Immunobiologii*, **2020**, 72-82	0.5	
251	Immunological and Epidemiological Aspects of the Immunogenicity of Streptococcus Pneumoniae Serotype 3 Capsular Polysaccharide in Pneumococcal Vaccines. *Zhurnal Mikrobiologii Epidemiologii I Immunobiologii*, **2020**, 97, 72-82	0.5	1
250	Research papers from the 21st Mendeleev Congress on General and Applied Chemistry. *Pure and Applied Chemistry*, **2020**, 92, 985-987	2.1	
249	Polyphenol components of the knotwood extracts of Salix capreal.. *Russian Chemical Bulletin*, **2020**, 69, 2390-2395	1.7	2

248	Chemical constituents from temperate and subtropical trees with reference to knotwood. *Industrial Crops and Products*, **2020**, 145, 112077	5.9	7
247	Application of computational methods for the studies of carbohydrate reactivity. *Carbohydrate Chemistry*, **2020**, 151-169	3	4
246	Biotinylated Oligo-(1 -> 4)-d-galactosamines and Their N-Acetylated Derivatives: Stereoselective Synthesis and Immunology Application. *Journal of the American Chemical Society*, **2020**, 142, 1175-1179	16.4	23
245	Noncatalytic selective 6-O-acetylation of methyl 2,3-di-O-benzoyl-d-glucopyranoside with acetic acid and acetic anhydride. *Russian Chemical Bulletin*, **2020**, 69, 2228-2230	1.7	1
244	Synthetic carbohydrate based anti-fungal vaccines. *Drug Discovery Today: Technologies*, **2020**, 35-36, 35-43	7.1	9
243	Broadly protective semi-synthetic glycoconjugate vaccine against pathogens capable of producing poly-(1->6)-N-acetyl-d-glucosamine exopolysaccharide. *Drug Discovery Today: Technologies*, **2020**, 35-36, 13-21	7.1	3
242	Synthesis of Biotin-Tagged Chitosan Oligosaccharides and Assessment of Their Immunomodulatory Activity. *Frontiers in Chemistry*, **2020**, 8, 554732	5	6
241	Higher Cytokine and Opsonizing Antibody Production Induced by Bovine Serum Albumin (BSA)-Conjugated Tetrasaccharide Related to Type 3 Capsular Polysaccharide. *Frontiers in Immunology*, **2020**, 11, 578019	8.4	3
240	Synthetic Oligosaccharides Mimicking Fungal Cell Wall Polysaccharides. *Current Topics in Microbiology and Immunology*, **2020**, 425, 1-16	3.3	5
239	Components of the extracts of the knot wood of Dalbergia Sissoo Linn. and their antioxidant activity. *Russian Chemical Bulletin*, **2019**, 68, 1756-1762	1.7	5
238	Influence of per-O-sulfation upon the conformational behaviour of common furanosides. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 685-694	2.5	5
237	Convergent Synthesis of Oligosaccharides Structurally Related to Galactan I and Galactan II of Klebsiella Pneumoniae and their Use in Screening of Antibody Specificity. *European Journal of Organic Chemistry*, **2019**, 2019, 4226-4232	3.2	10
236	Novel mouse monoclonal antibodies specifically recognizing (1->3)-D-glucan antigen. *PLoS ONE*, **2019**, 14, e0215535	3.7	27
235	New insight on the structural diversity of holothurian fucosylated chondroitin sulfates. *Pure and Applied Chemistry*, **2019**, 91, 1065-1071	2.1	13
234	Structural analysis of holothurian fucosylated chondroitin sulfates: Degradation versus non-destructive approach. *Carbohydrate Research*, **2019**, 476, 8-11	2.9	10
233	Carbohydrate Specificity and Isotypes of Monoclonal and Polyclonal Antibodies to Conjugated Tetrasaccharide, a Synthetic Analogue of Repeating Unit of Capsular Polysaccharide of Streptococcus Pneumoniae Serotype 14. *Bulletin of Experimental Biology and Medicine*, **2019**, 166, 477-480	0.8	1
232	Reinvestigation of carbohydrate specificity of EB-A2 monoclonal antibody used in the immune detection of galactomannan. *Heliyon*, **2019**, 5, e01173	3.6	23
231	Conformational changes in common monosaccharides caused by per-O-sulfation. *Pure and Applied Chemistry*, **2019**, 91, 1223-1229	2.1	3

230	Monoclonal Antibody AP3 Binds Galactomannan Antigens Displayed by the Pathogens , and. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 234	5.9	12
229	Guest Editorial to Special Issue Dedicated to N.D. Zelinsky Institute of Organic Chemistry of the Russian Academy of Sciences. *European Journal of Organic Chemistry*, **2019**, 2019, 4114-4114	3.2	
228	Gas-Phase Fragmentation of Cyclic Oligosaccharides in Tandem Mass Spectrometry. *Molecules*, **2019**, 24,	4.8	7
227	Nanomedical Relevance of the Intermolecular Interaction Dynamics-Examples from Lysozymes and Insulins. *ACS Omega*, **2019**, 4, 4206-4220	3.9	9
226	Potential of fluorescence polarization immunoassay for the detection of Aspergillus fumigatus galactomannan. *Russian Chemical Bulletin*, **2019**, 68, 2365-2369	1.7	2
225	Chemical constituents of the extracts of the knotwood of Pinus roxburghii Sarg. and their antioxidant activity. *Russian Chemical Bulletin*, **2019**, 68, 2298-2306	1.7	4
224	ICS-29: The 29th International Carbohydrate Symposium. *Pure and Applied Chemistry*, **2019**, 91, 1439-1442	2.1	
223	Importance of Antigenic Factors: Structure-Driven Immunomodulation Properties of Synthetically Prepared Mannooligosaccharides in RAW264.7 Macrophages. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 378	5.9	10
222	Isomeric Effects in Collisionally-induced Dissociation of □(1->6)-linked Cyclic Tetrasaccharides of the Glcp2GlcpN2 Composition. *Journal of Analytical Chemistry*, **2019**, 74, 1320-1324	1.1	0
221	Driving Force of the Pyranoside-into-Furanoside Rearrangement. *ACS Omega*, **2019**, 4, 1139-1143	3.9	7
220	Synthesis of a biotinylated probe from biotechnologically derived □d-mannopyranosyl-(1 -> 2)-d-mannopyranose for assessment of carbohydrate specificity of antibodies. *Carbohydrate Research*, **2019**, 471, 39-42	2.9	3
219	Two structurally similar fucosylated chondroitin sulfates from the holothurian species Stichopus chloronotus and Stichopus horrens. *Carbohydrate Polymers*, **2018**, 189, 10-14	10.3	17
218	Antiaggregant activity of water-soluble furoxans. *Mendeleev Communications*, **2018**, 28, 49-51	1.9	19
217	Gas-phase fragmentation studies of cyclic oligo-□(1->6)-D-glucosamines by electrospray ionization mass spectrometry using a hybrid high-resolution mass spectrometer. *Russian Chemical Bulletin*, **2018**, 67, 144-149	1.7	3
216	Synthesis of oligosaccharides related to galactomannans from Aspergillus fumigatus and their NMR spectral data. *Organic and Biomolecular Chemistry*, **2018**, 16, 1188-1199	3.9	25
215	Synthesis of a pseudotetrasaccharide corresponding to a repeating unit of the Streptococcus pneumoniae type 6B capsular polysaccharide*. *Journal of Carbohydrate Chemistry*, **2018**, 37, 1-17	1.7	4
214	A highly regular fucan sulfate from the sea cucumber Stichopus horrens. *Carbohydrate Research*, **2018**, 456, 5-9	2.9	15
213	Chromatographic Determination of Lignans (Antioxidants) in Food Products. *Journal of Analytical Chemistry*, **2018**, 73, 399-406	1.1	9

212	Study of the Carbohydrate Specificity of Antibodies Against Aspergillus fumigatus Using the Library of Synthetic Mycoantigens. *Russian Journal of Bioorganic Chemistry*, **2018**, 44, 80-89	1	11
211	Fucosylated chondroitin sulfates from the sea cucumbers Holothuria tubulosa and Holothuria stellati. *Carbohydrate Polymers*, **2018**, 200, 1-5	10.3	12
210	Novel mouse monoclonal antibodies specifically recognize Aspergillus fumigatus galactomannan. *PLoS ONE*, **2018**, 13, e0193938	3.7	23
209	THE PRODUCTION OF MONOCLONAL ANTIBODIES TO TETRASACCHARIDE - SYNTHETIC ANALOGUE OF THE CAPSULAR POLYSACCHARIDE OF STREPTOCOCCUS PNEUMONIAE OF SEROTYPE 14 AND THEIR IMMUNOCHEMICAL CHARACTERIZATION. *Zhurnal Mikrobiologii Epidemiologii I Immunobiologii*, **2018**, 26-31	0.5	
208	Mannan and phosphomannan from Kuraishia capsulata yeast. *Carbohydrate Polymers*, **2018**, 181, 624-632	10.3	10
207	Synthesis of a biotinylated penta-α(1->6)-D-glucoside based on the rational design of an αstereoselective glucosyl donor. *Organic Chemistry Frontiers*, **2018**, 5, 909-928	5.2	10
206	Informational study of persulfated propyl glucuronide. *Carbohydrate Research*, **2018**, 455, 81-85	2.9	4
205	Synthesis of 3-aminopropyl α(1´->´6)-d-glucotetraoside and its biotinylated derivative. *Carbohydrate Research*, **2018**, 455, 18-22	2.9	4
204	Carbohydrate Specificity of Antibodies Against Yeast Preparations of Saccharomyces cerevisiae and Candida krusei. *Applied Biochemistry and Microbiology*, **2018**, 54, 665-669	1.1	1
203	New hybrid furoxan structures with antiaggregant activity. *Mendeleev Communications*, **2018**, 28, 595-597	1.9	13
202	Carbohydrate Specificity of Antibodies against Phytopathogenic Fungi of the Aspergillus Genus. *Applied Biochemistry and Microbiology*, **2018**, 54, 522-527	1.1	6
201	Chemical Synthesis and Application of Biotinylated Oligo-α(1 -> 3)-d-Glucosides To Study the Antibody and Cytokine Response against the Cell Wall α(1 -> 3)-d-Glucan of Aspergillus fumigatus. *Journal of Organic Chemistry*, **2018**, 83, 12965-12976	4.2	23
200	Environmentally safe oil-field reagents for development and operation of oil-gas deposits. *IOP Conference Series: Materials Science and Engineering*, **2018**, 347, 012029	0.4	1
199	Structure and Anti-Inflammatory Activity of a New Unusual Fucosylated Chondroitin Sulfate from. *Marine Drugs*, **2018**, 16,	6	26
198	Influence of Modified Fucoidan and Related Sulfated Oligosaccharides on Hematopoiesis in Cyclophosphamide-Induced Mice. *Marine Drugs*, **2018**, 16,	6	12
197	A sulfated galactofucan from the brown alga Hormophysa cuneiformis (Fucales, Sargassaceae). *Carbohydrate Research*, **2018**, 469, 48-54	2.9	15
196	Two fucosylated chondroitin sulfates from the sea cucumber Eupentacta fraudatrix. *Carbohydrate Polymers*, **2017**, 164, 8-12	10.3	33
195	A highly regular fucosylated chondroitin sulfate from the sea cucumber Massinium magnum: Structure and effects on coagulation. *Carbohydrate Polymers*, **2017**, 167, 20-26	10.3	45

194	The structure of a fucosylated chondroitin sulfate from the sea cucumber Cucumaria frondosa. *Carbohydrate Polymers*, **2017**, 165, 7-12	10.3	43
193	Antioxidant activity of polyphenols from larch wood: an amperometric study. *Nutrition and Food Science*, **2017**, 47, 297-303	1.5	8
192	Synthesis and effects of flavonoid structure variation on amyloid-β aggregation. *Pure and Applied Chemistry*, **2017**, 89, 1305-1320	2.1	6
191	Pyranoside-into-Furanoside Rearrangement of 4-Pentenyl Glycosides in the Synthesis of a Tetrasaccharide-Related to Galactan I of Klebsiella pneumoniae. *European Journal of Organic Chemistry*, **2017**, 2017, 710-718	3.2	17
190	Oligosaccharide ligand tuning in design of third generation carbohydrate pneumococcal vaccines. *Pure and Applied Chemistry*, **2017**, 89, 1403-1411	2.1	6
189	Recent advances in the synthesis of fungal antigenic oligosaccharides. *Pure and Applied Chemistry*, **2017**, 89, 885-898	2.1	9
188	Organic and hybrid systems: from science to practice. *Mendeleev Communications*, **2017**, 27, 425-438	1.9	79
187	Lysozyme's lectin-like characteristics facilitates its immune defense function. *Quarterly Reviews of Biophysics*, **2017**, 50, e9	7	16
186	Gas-Phase Fragmentation Studies of Biotinylated, Hexaethylene Glycol–Spacered Oligosaccharides—Molecular Probes—Using Electrospray Mass Spectrometry on a Hybrid High-Resolution Mass Spectrometer. *Journal of Analytical Chemistry*, **2017**, 72, 1312-1321	1.1	
185	Theoretical and NMR-based Conformational Analysis of Phosphodiester-linked Disaccharides. *Scientific Reports*, **2017**, 7, 8934	4.9	10
184	Research papers from the XXth Mendeleev Congress on General and Applied Chemistry. *Pure and Applied Chemistry*, **2017**, 89, 983-984	2.1	1
183	1,3-syn-Diaxial Repulsion of Typical Protecting Groups Used in Carbohydrate Chemistry in 3-O-Substituted Derivatives of Isopropyl d-Idopyranosides. *Journal of Organic Chemistry*, **2017**, 82, 8897-8908	4.3	12
182	Synthesis of oligosaccharides related to cell wall polysaccharides of the fungi Candida and Aspergillus. *Russian Chemical Reviews*, **2017**, 86, 1073-1126	6.8	17
181	XXVIII International Carbohydrate Symposium (ICS-28). *Pure and Applied Chemistry*, **2017**, 89, 853-854	2.1	
180	Synthesis of oligosaccharides structurally related to fragments of Streptococcus pneumoniae type 3 capsular polysaccharide. *Russian Chemical Bulletin*, **2017**, 66, 111-122	1.7	5
179	Characterization of a new β-fucosidase isolated from Fusarium proliferatum LE1 that is regioselective to β(1´->´4)-l-fucosidic linkage in the hydrolysis of β-fucobiosides. *Biochimie*, **2017**, 132, 54-65	4.6	6
178	Synthesis and NMR analysis of model compounds related to fucosylated chondroitin sulfates: GalNAc and Fuc(1´->´6)GalNAc derivatives. *Carbohydrate Research*, **2017**, 438, 9-17	2.9	13
177	Gas-phase fragmentation studies of biotinylated oligomannuronopyranosides under conditions of collisionally activated dissociation. *Russian Chemical Bulletin*, **2017**, 66, 1686-1690	1.7	0

176	Fucoidan and Fucosylated Chondroitin Sulfate Stimulate Hematopoiesis in Cyclophosphamide-Induced Mice. *Marine Drugs*, **2017**, 15,	6	16
175	Neoglycoconjugate of Tetrasaccharide Representing One Repeating Unit of the Type 14 Capsular Polysaccharide Induces the Production of Opsonizing IgG1 Antibodies and Possesses the Highest Protective Activity As Compared to Hexa- and Octasaccharide Conjugates. *Frontiers in Immunology*, **2017**, 8, 659	8.4	21
174	Immunobiological Activity of Synthetically Prepared Immunodominant Galactomannosides Structurally Mimicking Galactomannan. *Frontiers in Immunology*, **2017**, 8, 1273	8.4	11
173	Expression and biochemical characterization and substrate specificity of the fucoidanase from Formosa algae. *Glycobiology*, **2017**, 27, 254-263	5.8	27
172	Pyranoside-into-furanoside rearrangement of D-glucuronopyranoside derivatives. *Mendeleev Communications*, **2016**, 26, 483-484	1.9	1
171	New insight into the antiaggregant activity of furoxans. *Mendeleev Communications*, **2016**, 26, 513-515	1.9	21
170	Phenylethanoid Glycosides from Teak Wood Knots and Their Antioxidant Activity. *Journal of Biologically Active Products From Nature*, **2016**, 6, 272-281	0.7	7
169	Structural characterization of fucosylated chondroitin sulfates from sea cucumbers Apostichopus japonicus and Actinopyga mauritiana. *Carbohydrate Polymers*, **2016**, 153, 399-405	10.3	52
168	Synthesis of 3-aminopropyl glycoside of branched β(1´->´3)-d-glucooctaoside. *Carbohydrate Research* , **2016**, 436, 25-30	2.9	13
167	The synthesis of the phosphate-bridged tetrasaccharide representing the repeating unit of the capsular polysaccharide of Streptococcus pneumoniae serotype 6B. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1543-1544	1	1
166	Ring distortion in pyranosides caused by per-O-sulfation. *Carbohydrate Research*, **2016**, 436, 20-24	2.9	6
165	The Use of Pyranoside-into-Furanoside Rearrangement and Controlled O(5) -> O(6) Benzoyl Migration as the Basis of a Synthetic Strategy To Assemble (1->5)- and (1->6)-Linked Galactofuranosyl Chains. *Organic Letters*, **2016**, 18, 5504-5507	6.2	28
164	Polysaccharides of algae 68. Sulfated polysaccharides from the Kamchatka brown alga Laminaria bongardiana. *Russian Chemical Bulletin*, **2016**, 65, 2729-2736	1.7	8
163	Estimation of the degree of conjugation of oligosaccharide haptens to bovine serum albumin in the course of the squarate procedure using gel permeation HPLC. *Russian Chemical Bulletin*, **2016**, 65, 2932-2936	1.7	17
162	A Blockwise Approach to the Synthesis of (1->2)-Linked Oligosaccharides Corresponding to Fragments of the Acid-Stable β-Mannan from the Candida albicans Cell Wall. *European Journal of Organic Chemistry*, **2016**, 2016, 1173-1181	3.2	15
161	Sensitivity of magnetic resonance imaging based on the detection of 19F NMR signals. *Mendeleev Communications*, **2016**, 26, 24-25	1.9	3
160	Variations of pH as an additional tool in the analysis of crowded NMR spectra of fucosylated chondroitin sulfates. *Carbohydrate Research*, **2016**, 423, 82-5	2.9	11
159	Phenyl 2-azido-2-deoxy-1-selenogalactosides: a single type of glycosyl donor for the highly stereoselective synthesis of α- and β-2-azido-2-deoxy-d-galactopyranosides. *Tetrahedron Letters*, **2016**, 57, 708-711	2	16

158	Structure and biological activity of a fucosylated chondroitin sulfate from the sea cucumber Cucumaria japonica. *Glycobiology*, **2016**, 26, 449-59	5.8	41
157	Synthesis of 3-aminopropyl glycosides of linear β(1 -> 3)-D-glucooligosaccharides. *Carbohydrate Research*, **2016**, 419, 8-17	2.9	22
156	The synthesis of heterosaccharides related to the fucoidan from Chordaria flagelliformis bearing an α-L-fucofuranosyl unit. *Organic and Biomolecular Chemistry*, **2016**, 14, 598-611	3.9	24
155	Anticoagulant and antithrombotic activities of modified xylofucan sulfate from the brown alga Punctaria plantaginea. *Carbohydrate Polymers*, **2016**, 136, 826-33	10.3	31
154	Structure-Function Relationships of Antimicrobial Peptides and Proteins with Respect to Contact Molecules on Pathogen Surfaces. *Current Topics in Medicinal Chemistry*, **2016**, 16, 89-98	3	16
153	SYNTHETIC CONJUGATED ANALOGUES OF CAPSULE POLYSACCHARIDES OF PNEUMOCOCCUS - AN INSTRUMENT FOR DETECTION OF POST-VACCINATION ANTIBODIES. *Zhurnal Mikrobiologii Epidemiologii I Immunobiologii*, **2016**, 54-60	0.5	1
152	Hemorheological effects of secoisolariciresinol in ovariectomized rats. *Biorheology*, **2016**, 53, 23-31	1.7	4
151	The Effect of a BSA Conjugate of a Synthetic Hexasaccharide Related to the Fragment of Capsular Polysaccharide of Streptococcus pneumoniae Type 14 on the Activation of Innate and Adaptive Immune Responses. *Frontiers in Immunology*, **2016**, 7, 248	8.4	22
150	The evaluation of β(1 -> 3)-nonaglucoside as an anti-Candida albicans immune response inducer. *Cellular Microbiology*, **2016**, 18, 1294-307	3.9	12
149	The use of biotinylated oligosaccharides related to fragments of capsular polysaccharides from Streptococcus pneumoniae serotypes 3 and 14 as a tool for assessment of the level of vaccine-induced antibody response to neoglycoconjugates. *Russian Chemical Bulletin*, **2016**, 65, 1608-1616	1.7	10
148	Conditions of catalytic hydrogenolysis for the simultaneous reduction of azido group and debenzylation of chitooligosaccharides. Synthesis of biotinylated derivatives of chitooligosaccharides. *Russian Chemical Bulletin*, **2016**, 65, 2937-2942	1.7	6
147	Near IR spectroscopy of the solutions of a bacteriochlorin derivative as a quantitative method for the quality assurance of liquid products. *Mendeleev Communications*, **2016**, 26, 261-263	1.9	1
146	The Pyranoside-into-Furanoside Rearrangement of Alkyl Glycosides: Scope and Limitations. *Synlett*, **2016**, 27, 1659-1664	2.2	21
145	Evidence for Inhibition of Lysozyme Amyloid Fibrillization by Peptide Fragments from Human Lysozyme: A Combined Spectroscopy, Microscopy, and Docking Study. *Biomacromolecules*, **2016**, 17, 1998-2009	6.9	24
144	Challenges in the development of organic and hybrid molecular systems. *Mendeleev Communications*, **2016**, 26, 365-374	1.9	86
143	Design of β-Selective Glycopyranosyl Donors Relying on Remote Anchimeric Assistance. *Chemical Record*, **2016**, 16, 488-506	6.6	67
142	Influence of fucoidans and their derivatives on antitumor and phagocytic activity of human blood leucocytes. *Biochemistry (Moscow)*, **2015**, 80, 925-33	2.9	10
141	Organic and hybrid molecular systems. *Mendeleev Communications*, **2015**, 25, 75-82	1.9	163

140	(13)C-NMR glycosylation effects in (1->3)-linked furanosyl-pyranosides. *Carbohydrate Research*, **2015**, 417, 1-10	2.9	9
139	Synthesis and Biological Evaluation of Cyanogenic Glycosides. *Journal of Carbohydrate Chemistry*, **2015**, 34, 460-474	1.7	5
138	Definitive structural assessment of enterococcal diheteroglycan. *Chemistry - A European Journal*, **2015**, 21, 1749-54	4.8	25
137	Immune cell response to Candida cell wall mannan derived branched β-oligomannoside conjugates in mice. *Journal of Microbiology, Immunology and Infection*, **2015**, 48, 9-19	8.5	13
136	Synthesis of a Pentasaccharide and Neoglycoconjugates Related to Fungal β-(1->3)-Glucan and Their Use in the Generation of Antibodies to Trace Aspergillus fumigatus Cell Wall. *Chemistry - A European Journal*, **2015**, 21, 921-921	4.8	1
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