

Vadim B Krylov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2144394/vadim-b-krylov-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

65
papers

1,079
citations

21
h-index

30
g-index

69
ext. papers

1,216
ext. citations

3.5
avg, IF

4.36
L-index

#	Paper	IF	Citations
65	Biorecognition Layer Based On Biotin-Containing [1]Benzothieno[3,2-][1]benzothiophene Derivative for Biosensing by Electrolyte-Gated Organic Field-Effect Transistors.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
64	Affinity characteristics of anti- β (1- β)-d-glucan monoclonal antibody 3G11 by fluorescence polarization immunoassay. <i>Russian Chemical Bulletin</i> , 2021 , 70, 975-981	1.7	
63	Reinvestigation of Carbohydrate Specificity of EBCA-1 Monoclonal Antibody Used for the Detection of Mannan. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	2
62	Synthesis and conformational analysis of vicinally branched trisaccharide β -Galp-(1- α 2)-[β -Galp-(1- β 3)-] β Galp from <i>Cryptococcus neoformans</i> galactoxylomannan. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2923-2931	3.9	1
61	Computational and NMR Conformational Analysis of Galactofuranoside Cycles Presented in Bacterial and Fungal Polysaccharide Antigens. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 719396	5.6	
60	Synthesis of biotinylated pentasaccharide structurally related to a fragment of glucomannan from .. <i>Russian Chemical Bulletin</i> , 2021 , 70, 2208-2213	1.7	0
59	Synthetic Oligomers Mimicking Capsular Polysaccharide Diheteroglycan are Potential Vaccine Candidates against Encapsulated Infections. <i>ACS Infectious Diseases</i> , 2020 , 6, 1816-1826	5.5	6
58	Potential of Chemically Synthesized Oligosaccharides To Define the Carbohydrate Moieties of the Fungal Cell Wall Responsible for the Human Immune Response, Using <i>Aspergillus fumigatus</i> Galactomannan as a Model. <i>MSphere</i> , 2020 , 5,	5	15
57	Application of computational methods for the studies of carbohydrate reactivity. <i>Carbohydrate Chemistry</i> , 2020 , 151-169	3	4
56	Biotinylated Oligo- β (1- α 4)-d-galactosamines and Their N-Acetylated Derivatives: β Stereoselective Synthesis and Immunology Application. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1175-1179	16.4	23
55	Synthetic carbohydrate based anti-fungal vaccines. <i>Drug Discovery Today: Technologies</i> , 2020 , 35-36, 35-43	4.1	9
54	Synthetic Oligosaccharides Mimicking Fungal Cell Wall Polysaccharides. <i>Current Topics in Microbiology and Immunology</i> , 2020 , 425, 1-16	3.3	5
53	Influence of per-O-sulfation upon the conformational behaviour of common furanosides. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 685-694	2.5	5
52	Convergent Synthesis of Oligosaccharides Structurally Related to Galactan I and Galactan II of <i>Klebsiella Pneumoniae</i> and their Use in Screening of Antibody Specificity. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4226-4232	3.2	10
51	The reaction of amidoximes with carboxylic acids or their esters under high-pressure conditions. <i>Russian Chemical Bulletin</i> , 2019 , 68, 347-350	1.7	1
50	Acyl derivatives of ivermectin 5-oxime with antifungal activity. <i>Russian Chemical Bulletin</i> , 2019 , 68, 438-444	1.7	0
49	Novel mouse monoclonal antibodies specifically recognizing β (1- β)-D-glucan antigen. <i>PLoS ONE</i> , 2019 , 14, e0215535	3.7	27

48	Reinvestigation of carbohydrate specificity of EB-A2 monoclonal antibody used in the immune detection of galactomannan. <i>Heliyon</i> , 2019 , 5, e01173	3.6	23
47	Conformational changes in common monosaccharides caused by per-O-sulfation. <i>Pure and Applied Chemistry</i> , 2019 , 91, 1223-1229	2.1	3
46	Monoclonal Antibody AP3 Binds Galactomannan Antigens Displayed by the Pathogens , and. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 234	5.9	12
45	Nanomaterial Relevance of the Intermolecular Interaction Dynamics-Examples from Lysozymes and Insulins. <i>ACS Omega</i> , 2019 , 4, 4206-4220	3.9	9
44	Potential of fluorescence polarization immunoassay for the detection of <i>Aspergillus fumigatus</i> galactomannan. <i>Russian Chemical Bulletin</i> , 2019 , 68, 2365-2369	1.7	2
43	Importance of Antigenic Factors: Structure-Driven Immunomodulation Properties of Synthetically Prepared Mannooligosaccharides in RAW264.7 Macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 378	5.9	10
42	Driving Force of the Pyranoside-into-Furanoside Rearrangement. <i>ACS Omega</i> , 2019 , 4, 1139-1143	3.9	7
41	Synthesis of oligosaccharides related to galactomannans from <i>Aspergillus fumigatus</i> and their NMR spectral data. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 1188-1199	3.9	25
40	Study of the Carbohydrate Specificity of Antibodies Against <i>Aspergillus fumigatus</i> Using the Library of Synthetic Mycoantigens. <i>Russian Journal of Bioorganic Chemistry</i> , 2018 , 44, 80-89	1	11
39	Novel mouse monoclonal antibodies specifically recognize <i>Aspergillus fumigatus</i> galactomannan. <i>PLoS ONE</i> , 2018 , 13, e0193938	3.7	23
38	Carbohydrate Specificity of Antibodies Against Yeast Preparations of <i>Saccharomyces cerevisiae</i> and <i>Candida krusei</i> . <i>Applied Biochemistry and Microbiology</i> , 2018 , 54, 665-669	1.1	1
37	Carbohydrate Specificity of Antibodies against Phytopathogenic Fungi of the <i>Aspergillus</i> Genus. <i>Applied Biochemistry and Microbiology</i> , 2018 , 54, 522-527	1.1	6
36	Chemical Synthesis and Application of Biotinylated Oligo- α (1- β)-d-Glucosides To Study the Antibody and Cytokine Response against the Cell Wall α (1- β)-d-Glucan of <i>Aspergillus fumigatus</i> . <i>Journal of Organic Chemistry</i> , 2018 , 83, 12965-12976	4.2	23
35	Pyranoside-into-Furanoside Rearrangement of 4-Pentenyl Glycosides in the Synthesis of a Tetrasaccharide-Related to Galactan I of <i>Klebsiella pneumoniae</i> . <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 710-718	3.2	17
34	Recent advances in the synthesis of fungal antigenic oligosaccharides. <i>Pure and Applied Chemistry</i> , 2017 , 89, 885-898	2.1	9
33	Organic and hybrid systems: from science to practice. <i>Mendeleev Communications</i> , 2017 , 27, 425-438	1.9	79
32	Lysozyme's lectin-like characteristics facilitates its immune defense function. <i>Quarterly Reviews of Biophysics</i> , 2017 , 50, e9	7	16
31	Gas-Phase Fragmentation Studies of Biotinylated, Hexaethylene Glycol-Spaced Oligosaccharides-Molecular Probes-Using Electrospray Mass Spectrometry on a Hybrid High-Resolution Mass Spectrometer. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 1312-1321	1.1	

30	Characterization of a new α -fucosidase isolated from <i>Fusarium proliferatum</i> LE1 that is regioselective to α (1 \rightarrow 4)-l-fucosidic linkage in the hydrolysis of α -fucobiosides. <i>Biochimie</i> , 2017 , 132, 54-65	4.6	6
29	Gas-phase fragmentation studies of biotinylated oligomannuronopyranosides under conditions of collisionally activated dissociation. <i>Russian Chemical Bulletin</i> , 2017 , 66, 1686-1690	1.7	0
28	Immunobiological Activity of Synthetically Prepared Immunodominant Galactomannosides Structurally Mimicking Galactomannan. <i>Frontiers in Immunology</i> , 2017 , 8, 1273	8.4	11
27	Expression and biochemical characterization and substrate specificity of the fucoidanase from Formosa algae. <i>Glycobiology</i> , 2017 , 27, 254-263	5.8	27
26	Pyranoside-into-furanoside rearrangement of D-glucuronopyranoside derivatives. <i>Mendeleev Communications</i> , 2016 , 26, 483-484	1.9	1
25	Ring distortion in pyranosides caused by per-O-sulfation. <i>Carbohydrate Research</i> , 2016 , 436, 20-24	2.9	6
24	The Use of Pyranoside-into-Furanoside Rearrangement and Controlled O(5) \rightarrow O(6) Benzoyl Migration as the Basis of a Synthetic Strategy To Assemble (1 \rightarrow 5)- and (1 \rightarrow 6)-Linked Galactofuranosyl Chains. <i>Organic Letters</i> , 2016 , 18, 5504-5507	6.2	28
23	The synthesis of heterosaccharides related to the fucoidan from <i>Chordaria flagelliformis</i> bearing an α -fucofuranosyl unit. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 598-611	3.9	24
22	The Pyranoside-into-Furanoside Rearrangement of Alkyl Glycosides: Scope and Limitations. <i>Synlett</i> , 2016 , 27, 1659-1664	2.2	21
21	(13)C-NMR glycosylation effects in (1 \rightarrow 6)-linked furanosyl-pyranosides. <i>Carbohydrate Research</i> , 2015 , 417, 1-10	2.9	9
20	Definitive structural assessment of enterococcal diheteroglycan. <i>Chemistry - A European Journal</i> , 2015 , 21, 1749-54	4.8	25
19	Calculation of possible stabilization of glycosyl carbocations in furanosides by different theoretical methods. <i>Russian Chemical Bulletin</i> , 2015 , 64, 2763-2768	1.7	
18	Choice of ab initio method for calculations of the key steps for the mechanism of rearrangement of sulfated pyranosides into furanosides. <i>Russian Chemical Bulletin</i> , 2015 , 64, 558-561	1.7	1
17	Convergent synthesis of isomeric heterosaccharides related to the fragments of galactomannan from <i>Aspergillus fumigatus</i> . <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3255-67	3.9	44
16	Pyranoside-into-furanoside rearrangement: new reaction in carbohydrate chemistry and its application in oligosaccharide synthesis. <i>Chemistry - A European Journal</i> , 2014 , 20, 16516-22	4.8	50
15	Preparative synthesis of selectively substituted 1,6-anhydro- β -galactofuranose derivatives. <i>Mendeleev Communications</i> , 2014 , 24, 336-337	1.9	6
14	Fucoidans as a platform for new anticoagulant drugs discovery. <i>Pure and Applied Chemistry</i> , 2014 , 86, 1365-1375	2.1	18
13	Synthesis of multivalent carbohydrate-centered glycoclusters as nanomolar ligands of the bacterial lectin LecA from <i>Pseudomonas aeruginosa</i> . <i>Chemistry - A European Journal</i> , 2013 , 19, 9272-85	4.8	54

12	Influence of fucoidans on hemostatic system. <i>Marine Drugs</i> , 2013 , 11, 2444-58	6	54
11	Molecular cloning of a xylosyltransferase that transfers the second xylose to O-glycosylated epidermal growth factor repeats of notch. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2739-48	5.4	66
10	Synthesis of sulfated dendrimers and studies of their anticoagulant and antiinflammatory activity. <i>Russian Chemical Bulletin</i> , 2011 , 60, 2572-2578	1.7	2
9	Preliminary structural characterization, anti-inflammatory and anticoagulant activities of chondroitin sulfates from marine fish cartilage. <i>Russian Chemical Bulletin</i> , 2011 , 60, 746-753	1.7	22
8	Acid-promoted synthesis of per-O-sulfated fucooligosaccharides related to fucoidan fragments. <i>Carbohydrate Research</i> , 2011 , 346, 540-50	2.9	42
7	Identification of glycosyltransferase 8 family members as xylosyltransferases acting on O-glycosylated notch epidermal growth factor repeats. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1582-5	5.4	94
6	Study of sulfated derivatives of polyhydroxy compounds as inhibitors of blood coagulation. <i>Russian Chemical Bulletin</i> , 2010 , 59, 232-235	1.7	4
5	Efficient acid-promoted per-O-sulfation of organic polyols. <i>Tetrahedron Letters</i> , 2008 , 49, 5877-5879	2	31
4	Modeling of polysaccharides with oligosaccharides: how large should the model be?. <i>Mendeleev Communications</i> , 2007 , 17, 57-62	1.9	8
3	Stereoselective Synthesis of the 3-Aminopropyl Glycosides of β -Xyl-(1 β)- β -Glc and β -Xyl-(1 β)- β -Xyl-(1 β)- β -Glc and of Their Corresponding N-Octanoyl Derivatives. <i>Synthesis</i> , 2007 , 2007, 3147-3154	2.9	6
2	Stereoselective β -Glycosylation with 3-O-Acetylated d-Gluco Donors. <i>Synlett</i> , 2006 , 2006, 921-923	2.2	12
1	Synthesis, NMR and Conformational Studies of Fucoidan Fragments, 8: Convergent Synthesis of Branched and Linear Oligosaccharides. <i>Synthesis</i> , 2006 , 2006, 4017-4031	2.9	14