

Ksenia S Egorova

List of Publications by Citations

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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.

50
papers

2,767
citations

19
h-index

52
g-index

54
ext. papers

3,415
ext. citations

8.9
avg, IF

6.24
L-index

#	Paper	IF	Citations
50	Biological Activity of Ionic Liquids and Their Application in Pharmaceuticals and Medicine. <i>Chemical Reviews</i> , 2017 , 117, 7132-7189	68.1	847
49	Toxicity of ionic liquids: eco(cyto)activity as complicated, but unavoidable parameter for task-specific optimization. <i>ChemSusChem</i> , 2014 , 7, 336-60	8.3	312
48	Toxicity of Metal Compounds: Knowledge and Myths. <i>Organometallics</i> , 2017 , 36, 4071-4090	3.8	283
47	Which Metals are Green for Catalysis? Comparison of the Toxicities of Ni, Cu, Fe, Pd, Pt, Rh, and Au Salts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12150-62	16.4	260
46	Carbohydrate structure database merged from bacterial, archaeal, plant and fungal parts. <i>Nucleic Acids Research</i> , 2016 , 44, D1229-36	20.1	109
45	The B-type lamin is required for somatic repression of testis-specific gene clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3282-7	11.5	105
44	Fundamental importance of ionic interactions in the liquid phase: A review of recent studies of ionic liquids in biomedical and pharmaceutical applications. <i>Journal of Molecular Liquids</i> , 2018 , 272, 271-300	6	105
43	"Solvent-in-salt" systems for design of new materials in chemistry, biology and energy research. <i>Chemical Society Reviews</i> , 2018 , 47, 1250-1284	58.5	101
42	An unexpected increase of toxicity of amino acid-containing ionic liquids. <i>Toxicology Research</i> , 2015 , 4, 152-159	2.6	60
41	Cytotoxic Activity of Salicylic Acid-Containing Drug Models with Ionic and Covalent Binding. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 1099-104	4.3	53
40	Welche Katalysatormetalle sind harmlos, welche giftig? Vergleich der Toxizitäten von Ni-, Cu-, Fe-, Pd-, Pt-, Rh- und Au-Salzen. <i>Angewandte Chemie</i> , 2016 , 128, 12334-12347	3.6	52
39	A novel organelle, the piNG-body, in the nuage of Drosophila male germ cells is associated with piRNA-mediated gene silencing. <i>Molecular Biology of the Cell</i> , 2011 , 22, 3410-9	3.5	38
38	Lysine methylation of nonhistone proteins is a way to regulate their stability and function. <i>Biochemistry (Moscow)</i> , 2010 , 75, 535-48	2.9	32
37	Ionic liquids in whole-cell biocatalysis: a compromise between toxicity and efficiency. <i>Biophysical Reviews</i> , 2018 , 10, 881-900	3.7	31
36	Quaternary Ammonium Compounds (QACs) and Ionic Liquids (ILs) as Biocides: From Simple Antiseptics to Tunable Antimicrobials. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	31
35	Molecular Extraction of Peptides in Ionic Liquid Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 357-364	8.3	27
34	Ionic Liquids As Tunable Toxicity Storage Media for Sustainable Chemical Waste Management. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 719-726	8.3	24

33	Nanoscale organization of ionic liquids and their interaction with peptides probed by ¹³ C NMR spectroscopy. <i>Tetrahedron</i> , 2014 , 70, 6075-6081	2.4	23
32	Direct Synthesis of Deuterium-Labeled O-, S-, N-Vinyl Derivatives from Calcium Carbide. <i>Synthesis</i> , 2019 , 51, 3001-3013	2.9	19
31	Expansion of coverage of Carbohydrate Structure Database (CSDB). <i>Carbohydrate Research</i> , 2014 , 389, 112-4	2.9	19
30	Carbohydrate structure generalization scheme for database-driven simulation of experimental observables, such as NMR chemical shifts. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 2594-611	6.1	19
29	Critical analysis of CCSD data quality. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 2812-4	6.1	18
28	Glycoinformatics: Bridging Isolated Islands in the Sea of Data. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14986-14990	16.4	18
27	Investigation of Cytotoxic Activity of Mitoxantrone at the Individual Cell Level by Using Ionic-Liquid-Tag-Enhanced Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 13374-13381	7.8	16
26	Facile Chemical Access to Biologically Active Norcantharidin Derivatives from Biomass. <i>Molecules</i> , 2017 , 22,	4.8	16
25	Micro-scale processes occurring in ionic liquid-water phases during extraction. <i>Separation and Purification Technology</i> , 2018 , 196, 318-326	8.3	14
24	Genetically Derepressed Nucleoplasmic Stellate Protein in Spermatocytes of <i>D. melanogaster</i> interacts with the catalytic subunit of protein kinase 2 and carries histone-like lysine-methylated mark. <i>Journal of Molecular Biology</i> , 2009 , 389, 895-906	6.5	14
23	Bacterial, plant, and fungal carbohydrate structure databases: daily usage. <i>Methods in Molecular Biology</i> , 2015 , 1273, 55-85	1.4	14
22	Assessing possible influence of structuring effects in solution on cytotoxicity of ionic liquid systems. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111751	6	11
21	Carbohydrate Structure Database: tools for statistical analysis of bacterial, plant and fungal glycomes. <i>Database: the Journal of Biological Databases and Curation</i> , 2015 , 2015,	5	10
20	Promoter contribution to the testis-specific expression of Stellate gene family in <i>Drosophila melanogaster</i> . <i>Gene</i> , 2012 , 499, 143-53	3.8	9
19	Biomass-Derived Ionic Liquids Based on a 5-HMF Platform Chemical: Synthesis, Characterization, Biological Activity, and Tunable Interactions at the Molecular Level. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3552-3570	8.3	9
18	Expanding CSDB_GT glycosyltransferase database with <i>Escherichia coli</i> . <i>Glycobiology</i> , 2019 , 29, 285-287	5.8	8
17	Introducing tox-Profiles of Chemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22296-22305	16.4	8
16	New Features of Carbohydrate Structure Database Notation (CSDB Linear), As Compared to Other Carbohydrate Notations. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 1276-1289	6.1	7

15	Ionic liquids: prospects for nucleic acid handling and delivery. <i>Nucleic Acids Research</i> , 2021 , 49, 1201-1234	4.0	7
14	A large-scale study of ionic liquids employed in chemistry and energy research to reveal cytotoxicity mechanisms and to develop a safe design guide. <i>Green Chemistry</i> , 2021 , 23, 6414-6430	10	6
13	Carbohydrate Structure Database (CSDB): new features. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1205-1210	1.7	4
12	Evaluation of phytotoxicity and cytotoxicity of industrial catalyst components (Fe, Cu, Ni, Rh and Pd): A case of lethal toxicity of a rhodium salt in terrestrial plants. <i>Chemosphere</i> , 2019 , 223, 738-747	8.4	4
11	Synergistic/antagonistic cytotoxic effects in mixtures of ionic liquids with doxorubicin or mitoxantrone. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114870	6	4
10	Mapping of cis-regulatory sites in the promoter of testis-specific stellate genes of <i>Drosophila melanogaster</i> . <i>Biochemistry (Moscow)</i> , 2012 , 77, 1285-93	2.9	3
9	Carbohydrate Structure Database (CSDB): Examples of Usage 2017 , 75-113		1
8	Bacterial, Plant, and Fungal Carbohydrate Structure Database (CSDB) 2014 , 1-10		1
7	CSDB_GT, a curated glycosyltransferase database with close-to-full coverage on three most studied nonanimal species. <i>Glycobiology</i> , 2021 , 31, 524-529	5.8	1
6	Building bio-Profiles for common catalytic reactions. <i>Green Chemistry</i> , 2021 , 23, 6373-6391	10	1
5	Merging structural frameworks of imidazolium, pyridinium, and cholinium ionic liquids with cinnamic acid to tune solution state behavior and properties. <i>Journal of Molecular Liquids</i> , 2022 , 118673	6	0
4	Source files of the Carbohydrate Structure Database: the way to sophisticated analysis of natural glycans.. <i>Scientific Data</i> , 2022 , 9, 131	8.2	0
3	Comparative assessment of heterogeneous and homogeneous Suzuki-Miyaura catalytic reactions using bio-Profiles and bio-Factors. <i>Journal of Organometallic Chemistry</i> , 2022 , 965-966, 122319	2.3	0
2	Introducing tox-Profiles of Chemical Reactions. <i>Angewandte Chemie</i> , 2020 , 132, 22480-22489	3.6	
1	Glykoinformatik: Brücken zwischen isolierten Inseln im Datenmeer. <i>Angewandte Chemie</i> , 2018 , 130, 15202-15207	3.1	