Ksenia S Egorova

List of Publications by Year in Descending Order

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	Merging structural frameworks of imidazolium, pyridinium, and cholinium ionic liquids with cinnamic acid to tune solution state behavior and properties. *Journal of Molecular Liquids*, **2022**, 118673	6	0
49	Source files of the Carbohydrate Structure Database: the way to sophisticated analysis of natural glycans.. *Scientific Data*, **2022**, 9, 131	8.2	0
48	Comparative assessment of heterogeneous and homogeneous Suzuki-Miyaura catalytic reactions using bio-Profiles and bio-Factors. *Journal of Organometallic Chemistry*, **2022**, 965-966, 122319	2.3	0
47	Quaternary Ammonium Compounds (QACs) and Ionic Liquids (ILs) as Biocides: From Simple Antiseptics to Tunable Antimicrobials. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	31
46	CSDB_GT, a curated glycosyltransferase database with close-to-full coverage on three most studied nonanimal species. *Glycobiology*, **2021**, 31, 524-529	5.8	1
45	Synergistic/antagonistic cytotoxic effects in mixtures of ionic liquids with doxorubicin or mitoxantrone. *Journal of Molecular Liquids*, **2021**, 323, 114870	6	4
44	Biomass-Derived Ionic Liquids Based on a 5-HMF Platform Chemical: Synthesis, Characterization, Biological Activity, and Tunable Interactions at the Molecular Level. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 3552-3570	8.3	9
43	Ionic liquids: prospects for nucleic acid handling and delivery. *Nucleic Acids Research*, **2021**, 49, 1201-1234	10.1	7
42	A large-scale study of ionic liquids employed in chemistry and energy research to reveal cytotoxicity mechanisms and to develop a safe design guide. *Green Chemistry*, **2021**, 23, 6414-6430	10	6
41	Building bio-Profiles for common catalytic reactions. *Green Chemistry*, **2021**, 23, 6373-6391	10	1
40	Assessing possible influence of structuring effects in solution on cytotoxicity of ionic liquid systems. *Journal of Molecular Liquids*, **2020**, 297, 111751	6	11
39	New Features of Carbohydrate Structure Database Notation (CSDB Linear), As Compared to Other Carbohydrate Notations. *Journal of Chemical Information and Modeling*, **2020**, 60, 1276-1289	6.1	7
38	Introducing tox-Profiles of Chemical Reactions. *Angewandte Chemie - International Edition*, **2020**, 59, 22296-22305	16.4	8
37	Introducing tox-Profiles of Chemical Reactions. *Angewandte Chemie*, **2020**, 132, 22480-22489	3.6	
36	Direct Synthesis of Deuterium-Labeled O-, S-, N-Vinyl Derivatives from Calcium Carbide. *Synthesis*, **2019**, 51, 3001-3013	2.9	19
35	Expanding CSDB_GT glycosyltransferase database with Escherichia coli. *Glycobiology*, **2019**, 29, 285-287	5.8	8
34	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. *Chemosphere*, **2019**, 223, 738-747	8.4	4

33	"Solvent-in-salt" systems for design of new materials in chemistry, biology and energy research. *Chemical Society Reviews*, **2018**, 47, 1250-1284	58.5	101
32	Ionic liquids in whole-cell biocatalysis: a compromise between toxicity and efficiency. *Biophysical Reviews*, **2018**, 10, 881-900	3.7	31
31	Micro-scale processes occurring in ionic liquid□water phases during extraction. *Separation and Purification Technology*, **2018**, 196, 318-326	8.3	14
30	Ionic Liquids As Tunable Toxicity Storage Media for Sustainable Chemical Waste Management. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 719-726	8.3	24
29	Glykoinformatik: Br□cken zwischen isolierten Inseln im Datenmeer. *Angewandte Chemie*, **2018**, 130, 15202-15207	3.6	
28	Fundamental importance of ionic interactions in the liquid phase: A review of recent studies of ionic liquids in biomedical and pharmaceutical applications. *Journal of Molecular Liquids*, **2018**, 272, 271-300	6	105
27	Glycoinformatics: Bridging Isolated Islands in the Sea of Data. *Angewandte Chemie - International Edition*, **2018**, 57, 14986-14990	16.4	18
26	Biological Activity of Ionic Liquids and Their Application in Pharmaceutics and Medicine. *Chemical Reviews*, **2017**, 117, 7132-7189	68.1	847
25	Carbohydrate Structure Database (CSDB): Examples of Usage **2017**, 75-113		1
24	Investigation of Cytotoxic Activity of Mitoxantrone at the Individual Cell Level by Using Ionic-Liquid-Tag-Enhanced Mass Spectrometry. *Analytical Chemistry*, **2017**, 89, 13374-13381	7.8	16
23	Toxicity of Metal Compounds: Knowledge and Myths. *Organometallics*, **2017**, 36, 4071-4090	3.8	283
22	Facile Chemical Access to Biologically Active Norcantharidin Derivatives from Biomass. *Molecules*, **2017**, 22,	4.8	16
21	Carbohydrate structure database merged from bacterial, archaeal, plant and fungal parts. *Nucleic Acids Research*, **2016**, 44, D1229-36	20.1	109
20	Welche Katalysatormetalle sind harmlos, welche giftig? Vergleich der Toxizit□en von Ni-, Cu-, Fe-, Pd-, Pt-, Rh- und Au-Salzen. *Angewandte Chemie*, **2016**, 128, 12334-12347	3.6	52
19	Which Metals are Green for Catalysis? Comparison of the Toxicities of Ni, Cu, Fe, Pd, Pt, Rh, and Au Salts. *Angewandte Chemie - International Edition*, **2016**, 55, 12150-62	16.4	260
18	Cytotoxic Activity of Salicylic Acid-Containing Drug Models with Ionic and Covalent Binding. *ACS Medicinal Chemistry Letters*, **2015**, 6, 1099-104	4.3	53
17	Molecular Extraction of Peptides in Ionic Liquid Systems. *ACS Sustainable Chemistry and Engineering* , **2015**, 3, 357-364	8.3	27
16	An unexpected increase of toxicity of amino acid-containing ionic liquids. *Toxicology Research*, **2015**, 4, 152-159	2.6	60

15	Carbohydrate Structure Database: tools for statistical analysis of bacterial, plant and fungal glycomes. *Database: the Journal of Biological Databases and Curation*, **2015**, 2015,	5	10
14	Carbohydrate Structure Database (CSDB): new features. *Russian Chemical Bulletin*, **2015**, 64, 1205-1210	1.7	4
13	Bacterial, plant, and fungal carbohydrate structure databases: daily usage. *Methods in Molecular Biology*, **2015**, 1273, 55-85	1.4	14
12	Nanoscale organization of ionic liquids and their interaction with peptides probed by 13C NMR spectroscopy. *Tetrahedron*, **2014**, 70, 6075-6081	2.4	23
11	Expansion of coverage of Carbohydrate Structure Database (CSDB). *Carbohydrate Research*, **2014**, 389, 112-4	2.9	19
10	Carbohydrate structure generalization scheme for database-driven simulation of experimental observables, such as NMR chemical shifts. *Journal of Chemical Information and Modeling*, **2014**, 54, 2594-611	6.1	19
9	Toxicity of ionic liquids: eco(cyto)activity as complicated, but unavoidable parameter for task-specific optimization. *ChemSusChem*, **2014**, 7, 336-60	8.3	312
8	Bacterial, Plant, and Fungal Carbohydrate Structure Database (CSDB) **2014**, 1-10		1
7	Promoter contribution to the testis-specific expression of Stellate gene family in Drosophila melanogaster. *Gene*, **2012**, 499, 143-53	3.8	9
6	Critical analysis of CCSD data quality. *Journal of Chemical Information and Modeling*, **2012**, 52, 2812-4	6.1	18
5	Mapping of cis-regulatory sites in the promoter of testis-specific stellate genes of Drosophila melanogaster. *Biochemistry (Moscow)*, **2012**, 77, 1285-93	2.9	3
4	A novel organelle, the piNG-body, in the nuage of Drosophila male germ cells is associated with piRNA-mediated gene silencing. *Molecular Biology of the Cell*, **2011**, 22, 3410-9	3.5	38
3	Lysine methylation of nonhistone proteins is a way to regulate their stability and function. *Biochemistry (Moscow)*, **2010**, 75, 535-48	2.9	32
2	The B-type lamin is required for somatic repression of testis-specific gene clusters. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3282-7	11.5	105
1	Genetically Derepressed Nucleoplasmic Stellate Protein in Spermatocytes of D. melanogaster interacts with the catalytic subunit of protein kinase 2 and carries histone-like lysine-methylated mark. *Journal of Molecular Biology*, **2009**, 389, 895-906	6.5	14