

Elena I Lozinskaya

List of Publications by Year in descending order

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58
papers

2,435
citations

186209

28
h-index

197736

49
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58
all docs

58
docs citations

58
times ranked

2447
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic Liquids as Novel Reaction Media for the Synthesis of Condensation Polymers. <i>Macromolecular Rapid Communications</i> , 2002, 23, 676-680.	2.0	130
2	Thermodynamic properties of 1-alkyl-3-methylimidazolium bromide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 158-166.	1.0	117
3	Implementation of ionic liquids as activating media for polycondensation processes. <i>Polymer</i> , 2004, 45, 5031-5045.	1.8	105
4	Direct polycondensation in ionic liquids. <i>European Polymer Journal</i> , 2004, 40, 2065-2075.	2.6	98
5	Design and synthesis of new anionic "polymeric ionic liquids" with high charge delocalization. <i>Polymer Chemistry</i> , 2011, 2, 2609.	1.9	96
6	Ring-Opening Metathesis Polymerization (ROMP) in Ionic Liquids: Scope and Limitations. <i>Macromolecules</i> , 2006, 39, 7821-7830.	2.2	94
7	The influence of ionic liquid's nature on free radical polymerization of vinyl monomers and ionic conductivity of the obtained polymeric materials. <i>Polymers for Advanced Technologies</i> , 2007, 18, 50-63.	1.6	92
8	Polymeric Ionic Liquids: Comparison of Polycations and Polyanions. <i>Macromolecules</i> , 2011, 44, 9792-9803.	2.2	84
9	Bis(trifluoromethylsulfonyl)amide based "polymeric ionic liquids" Synthesis, purification and peculiarities of structure-properties relationships. <i>Electrochimica Acta</i> , 2011, 57, 74-90.	2.6	84
10	IR and X-ray Study of Polymorphism in 1-Alkyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9538-9546.	1.2	82
11	Turning into poly(ionic liquid)s as a tool for polyimide modification: synthesis, characterization and CO ₂ separation properties. <i>Polymer Chemistry</i> , 2016, 7, 580-591.	1.9	81
12	Thermochemical properties of 1-butyl-3-methylimidazolium nitrate. <i>Thermochimica Acta</i> , 2008, 474, 25-31.	1.2	72
13	A New Volume-Based Approach for Predicting Thermophysical Behavior of Ionic Liquids and Ionic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 10076-10079.	6.6	69
14	A first truly all-solid state organic electrochromic device based on polymeric ionic liquids. <i>Chemical Communications</i> , 2014, 50, 3191-3193.	2.2	68
15	Cyclopolymerization of <i>N,N</i> -Dipropargylamines and <i>N,N</i> -Dipropargyl Ammonium Salts. <i>Macromolecules</i> , 2008, 41, 1919-1928.	2.2	67
16	Conductive Polymer Electrolytes Derived from Poly(norbornene)s with Pendant Ionic Imidazolium Moieties. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 40-51.	1.1	62
17	Truly solid state electrochromic devices constructed from polymeric ionic liquids as solid electrolytes and electrodes formulated by vapor phase polymerization of 3,4-ethylenedioxythiophene. <i>Polymer</i> , 2014, 55, 3385-3396.	1.8	57
18	Ionic IPNs as novel candidates for highly conductive solid polymer electrolytes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4245-4266.	2.5	56

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19	Extremely short C-H...F contacts in the 1-methyl-3-propyl-imidazolium SiF ₆ —the reason for ionic “liquid” unexpected high melting point. <i>CrystEngComm</i> , 2005, 7, 53-56.	1.3	49
20	Ionic Polyurethanes as a New Family of Poly(ionic liquid)s for Efficient CO ₂ Capture. <i>Macromolecules</i> , 2017, 50, 2814-2824.	2.2	49
21	Ionic liquids with anions based on fluorosulfonyl derivatives: from asymmetrical substitutions to a consistent force field model. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29617-29624.	1.3	49
22	Ionic semi-interpenetrating networks as a new approach for highly conductive and stretchable polymer materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2188-2198.	5.2	47
23	Synthesis and properties of polymeric analogs of ionic liquids. <i>Polymer Science - Series B</i> , 2013, 55, 122-138.	0.3	46
24	“One-pot” synthesis of aromatic poly(1,3,4-oxadiazole)s in novel solvents—ionic liquids. <i>Journal of Polymer Science Part A</i> , 2006, 44, 380-394.	2.5	44
25	Li Coordination of a Novel Asymmetric Anion in Ionic Liquid-in-Li Salt Electrolytes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 861-870.	1.2	44
26	Influence of anion structure on ion dynamics in polymer gel electrolytes composed of poly(ionic) Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 4	2.6	42
27	Photopolymerization of poly(ethylene glycol) dimethacrylates: The influence of ionic liquids on the formulation and the properties of the resultant polymer materials. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2388-2409.	2.5	36
28	Synthesis and ionic conductivity of polymer ionic liquids. <i>Polymer Science - Series A</i> , 2007, 49, 256-261.	0.4	29
29	Crystal structure of 1,3-dialkyldiazolium bromides. <i>Russian Chemical Bulletin</i> , 2006, 55, 1989-1999.	0.4	28
30	New ionic liquids with hydrolytically stable anions as alternatives to hexafluorophosphate and tetrafluoroborate salts in the free radical polymerization and preparation of ion-conducting composites. <i>Polymer Journal</i> , 2011, 43, 126-135.	1.3	28
31	Cocrystal of an Ionic Liquid with Organic Molecules as a Mimic of Ionic Liquid Solution. <i>Crystal Growth and Design</i> , 2005, 5, 337-340.	1.4	27
32	New family of highly conductive and low viscous ionic liquids with asymmetric 2,2,2-trifluoromethylsulfonyl-N-cyanoamide anion. <i>Electrochimica Acta</i> , 2015, 175, 254-260.	2.6	26
33	Synthesis of novel families of conductive cationic poly(ionic liquid)s and their application in all-polymer flexible pseudo-supercapacitors. <i>Electrochimica Acta</i> , 2018, 281, 777-788.	2.6	26
34	Novel phosphonated poly(1,3,4-oxadiazole)s: Synthesis in ionic liquid and characterization. <i>Reactive and Functional Polymers</i> , 2008, 68, 208-224.	2.0	25
35	Exploring the effect of fluorinated anions on the CO ₂ /N ₂ separation of supported ionic liquid membranes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28876-28884.	1.3	25
36	Solid-state electrolytes based on ionic network polymers. <i>Polymer Science - Series B</i> , 2014, 56, 164-177.	0.3	22

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37	Supramolecular ionic networks with superior thermal and transport properties based on novel delocalized di-anionic compounds. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2338-2343.	5.2	22
38	Ionic liquids as catalytic additives for the acceleration of the photopolymerization of poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	21
39	Polymers based on ionic monomers with side phosphonate groups. <i>Polymer Science - Series B</i> , 2010, 52, 316-326.	0.3	21
40	Gas separation characteristics of new membrane materials based on poly(ethylene glycol)-crosslinked polymers and ionic liquids. <i>Petroleum Chemistry</i> , 2012, 52, 494-498.	0.4	21
41	Poly(ionic liquid)â€“Ionic Liquid Membranes with Fluorosulfonyl-Derived Anions: Characterization and Biohydrogen Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7087-7096.	3.2	21
42	Thiolâ€“ene Click Chemistry as a Tool for a Novel Family of Polymeric Ionic Liquids. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1359-1369.	1.1	19
43	Influence of Cationic Poly(ionic liquid) Architecture on the Ion Dynamics in Polymer Gel Electrolytes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13225-13235.	1.5	19
44	Polymerization of the new doubleâ€“charged monomer bisâ€“1,3(<i>N</i> , <i>N</i> , <i>N</i> -trimethylammonium dicyanamide)â€“2â€“propylmethacrylate and ionic conductivity of the novel polyelectrolytes. <i>Polymers for Advanced Technologies</i> , 2011, 22, 448-457.	1.6	18
45	Long-awaited polymorphic modification of triphenyl phosphite. <i>CrystEngComm</i> , 2005, 7, 465.	1.3	16
46	Expanding the chemistry of singleâ€“ion conducting poly(ionic liquid)s with polyhedral boron anions. <i>Polymer International</i> , 2019, 68, 1570-1579.	1.6	12
47	Neat ionic liquids versus ionic liquid mixtures: a combination of experimental data and molecular simulation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23305-23309.	1.3	12
48	Poly(ionic liquid)-based polyurethanes having imidazolium, ammonium, morpholinium or pyrrolidinium cations. <i>High Performance Polymers</i> , 2017, 29, 691-703.	0.8	11
49	Synthesis and characterization of grafted copolymers of aromatic polyimides and Îµ-caprolactam. <i>Journal of Applied Polymer Science</i> , 2009, 114, 577-586.	1.3	10
50	Influence of ionic liquid anion nature on the properties of Eu-containing luminescent materials. <i>Optical Materials</i> , 2010, 32, 707-710.	1.7	8
51	New membrane materials based on crosslinked poly(ethylene glycols) and ionic liquids for separation of gas mixtures containing CO ₂ . <i>Polymer Science - Series B</i> , 2014, 56, 900-908.	0.3	8
52	Effects of repeat unit charge density on the physical and electrochemical properties of novel heterocationic poly(ionic liquid)s. <i>New Journal of Chemistry</i> , 2021, 45, 53-65.	1.4	8
53	Electrochemical supercapacitor with electrolyte based on an ionic liquid. <i>Russian Journal of Electrochemistry</i> , 2009, 45, 949-950.	0.3	7
54	Ionic Polyureasâ€“A Novel Subclass of Poly(Ionic Liquid)s for CO ₂ Capture. <i>Membranes</i> , 2020, 10, 240.	1.4	7

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55	Tuning the miscibility of water in imide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25236-25242.	1.3	6
56	Synthesis of Polymers in Ionic Liquids as New Reaction Media. <i>Doklady Chemistry</i> , 2001, 381, 353-356.	0.2	5
57	Ionic Liquid with Silyl Substituted Cation: Thermophysical and CO ₂ /N ₂ Permeation Properties. <i>Israel Journal of Chemistry</i> , 2019, 59, 852-865.	1.0	4
58	Tuning CO ₂ Separation Performance of Ionic Liquids through Asymmetric Anions. <i>Molecules</i> , 2022, 27, 413.	1.7	3