

Maria Boltoeva

List of Publications by Year in descending order

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43
papers

1,035
citations

430874

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414414

32
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docs citations

43
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	First evidence of metal transfer into hydrophobic deep eutectic and low-transition-temperature mixtures: indium extraction from hydrochloric and oxalic acids. <i>Green Chemistry</i> , 2016, 18, 4616-4622.	9.0	125
2	Lithium extraction from complex aqueous solutions using supported ionic liquid membranes. <i>Journal of Membrane Science</i> , 2019, 580, 62-76.	8.2	82
3	Solvent extraction fractionation of manganese, cobalt, nickel and lithium using ionic liquids and deep eutectic solvents. <i>Minerals Engineering</i> , 2020, 156, 106512.	4.3	64
4	Separation of lithium, cobalt and nickel from spent lithium-ion batteries using TBP and imidazolium-based ionic liquids. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 82, 269-277.	5.8	57
5	Insights into the Mechanism of Extraction of Uranium (VI) from Nitric Acid Solution into an Ionic Liquid by using Tri <i>n</i> -butyl phosphate. <i>ChemPhysChem</i> , 2015, 16, 2653-2662.	2.1	48
6	Deep eutectic solvent-based headspace single-drop microextraction for the quantification of terpenes in spices. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 933-948.	3.7	48
7	Review on Hydrometallurgical Recovery of Metals with Deep Eutectic Solvents. <i>Sustainable Chemistry</i> , 2020, 1, 238-255.	4.7	46
8	Efficient mesoporous silica-titania catalysts from colloidal self-assembly. <i>Chemical Communications</i> , 2012, 48, 10648.	4.1	39
9	Mutual solubility of water and hydrophobic ionic liquids in the presence of hydrochloric acid. <i>RSC Advances</i> , 2016, 6, 56260-56270.	3.6	39
10	Tunable hierarchical porosity from self-assembled chitin-silica nano-composites. <i>Journal of Materials Chemistry</i> , 2011, 21, 16997.	6.7	37
11	Nickel(II) Complexation with Nitrate in Dry [C ₄ mim][Tf ₂ N] Ionic Liquid: A Spectroscopic, Microcalorimetric, and Molecular Dynamics Study. <i>Inorganic Chemistry</i> , 2016, 55, 3498-3507.	4.0	36
12	Synergistic extraction of uranium(VI) with TODGA and hydrophobic ionic liquid mixtures into molecular diluent. <i>Separation and Purification Technology</i> , 2016, 164, 97-106.	7.9	35
13	Solvent extraction of intra-lanthanides using a mixture of TBP and TODGA in ionic liquid. <i>Hydrometallurgy</i> , 2020, 195, 105367.	4.3	33
14	Electric-Field Alignment of Chitin Nanorod-Siloxane Oligomer Reactive Suspensions. <i>Langmuir</i> , 2013, 29, 8208-8212.	3.5	30
15	Highly selective transport of lithium across a supported liquid membrane. <i>Journal of Fluorine Chemistry</i> , 2020, 236, 109593.	1.7	28
16	Ionic liquid-based uranium(VI) extraction with malonamide extractant: cation exchange vs. neutral extraction. <i>RSC Advances</i> , 2016, 6, 70141-70151.	3.6	26
17	From Coordination Polymers to Doped Rare Earth Oxides. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3875-3884.	2.0	22
18	Thallium Transfer from Hydrochloric Acid Media into Pure Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2311-2322.	2.6	22

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19	Speciation of uranium(VI) extracted from acidic nitrate media by TODGA into molecular and ionic solvents. Separation and Purification Technology, 2018, 203, 11-19.	7.9	18
20	Insight into the ionic interactions in neat ionic liquids by Diffusion Ordered Spectroscopy Nuclear Magnetic Resonance. Journal of Molecular Liquids, 2017, 240, 74-79.	4.9	18
21	Resin Ion Exchange and Liquid-Liquid Extraction of Indium and Thallium from Chloride Media. Solvent Extraction and Ion Exchange, 2015, 33, 607-624.	2.0	17
22	Indium and thallium extraction into betainium bis(trifluoromethylsulfonyl)imide ionic liquid from aqueous hydrochloric acid media. New Journal of Chemistry, 2020, 44, 2527-2537.	2.8	16
23	Hydrophobic amine-based binary mixtures of active pharmaceutical and food grade ingredients: characterization and application in indium extraction from aqueous hydrochloric acid media. Green Chemistry, 2020, 22, 7047-7058.	9.0	15
24	Dramatic Changes in the Solubilities of Ions Induced by Ligand Addition in Biphasic System $D_{2}O/DNO_{3}/[C_{1}C_{4}im][Tf_{2}N]$: A Phenomenological Study. Journal of Physical Chemistry B, 2016, 120, 7502-7510.	2.6	14
25	Understanding the Mechanism of Lithium Ion Extraction Using Tributyl Phosphate in Room Temperature Ionic Liquid. Solvent Extraction and Ion Exchange, 2020, 38, 777-799.	2.0	14
26	Solvent extraction of lithium from simulated shale gas produced water with a bifunctional ionic liquid. Applied Geochemistry, 2020, 123, 104783.	3.0	14
27	Catalytic decomposition of hydrazine in weakly alkaline solutions on platinum nanoparticles. Radiochemistry, 2004, 46, 578-582.	0.7	13
28	New Ionic Liquid Based on the CMPO Pattern for the Sequential Extraction of U(VI), Am(III) and Eu(III). Journal of Solution Chemistry, 2018, 47, 1309-1325.	1.2	12
29	Effect of aqueous hydrochloric acid and zwitterionic betaine on the mutual solubility between a protic betainium-based ionic liquid and water. Journal of Molecular Liquids, 2019, 276, 296-306.	4.9	12
30	Extraction and separation of iridium(IV) and rhodium(III) from hydrochloric acid media by a quaternary ammonium-based hydrophobic eutectic solvent. Separation and Purification Technology, 2021, 278, 118814.	7.9	10
31	Effect of hydrophobic ionic liquids aqueous solubility on metal extraction from hydrochloric acid media: Mathematical modelling and trivalent thallium behavior. Separation and Purification Technology, 2021, 255, 117650.	7.9	9
32	Catalytic reduction of U(VI) with hydrazine on palladium catalysts in acid solutions. Radiochemistry, 2008, 50, 38-45.	0.7	8
33	Catalytic reduction of U(VI) with formic acid in acid solutions on palladium catalysts. Radiochemistry, 2008, 50, 46-51.	0.7	7
34	Hydrophobic polymerized ionic liquids for trace metal solid phase extraction: thallium transfer from hydrochloric acid media. New Journal of Chemistry, 2019, 43, 8958-8969.	2.8	6
35	Aqueous acidic solution - ionic liquid biphasic system: An original investigation by diffusion ordered spectroscopy nuclear magnetic resonance. Journal of Molecular Liquids, 2018, 269, 684-693.	4.9	3
36	Reactivity of platinum nanoaggregates in catalytic reduction of U(VI) with hydrazine in acid solutions. Radiochemistry, 2007, 49, 603-606.	0.7	2

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37	Reduction of Np(V) with formic acid in acidic solutions in the presence of palladium catalysts. Radiochemistry, 2008, 50, 130-135.	0.7	2
38	Kinetics of Pu(V) disproportionation in CH ₃ COOH-CH ₃ COOLi aqueous solutions. Radiochemistry, 2009, 51, 458-463.	0.7	2
39	Disproportionation of Pu(V) in aqueous HCOOH solutions. Radiochemistry, 2010, 52, 35-39.	0.7	2
40	Catalytic reduction of Np(V) with hydrazine in nitric acid solutions in the presence of ruthenium catalysts. Radiochemistry, 2013, 55, 52-58.	0.7	2
41	Reactivity of platinum nanoaggregates on various types of supports in catalytic decomposition of hydrazine in acid solutions. Radiochemistry, 2006, 48, 119-124.	0.7	1
42	Ruthenium-catalyzed oxidation of Np(IV) in nitric acid solutions. Radiochemistry, 2013, 55, 158-161.	0.7	1
43	Aqueous N-H acid bis(trifluoromethylsulfonyl) imide Solution - [C ₄ mim][Tf ₂ N] Ionic Liquid Biphasic System: an Original Investigation by Diffusion Ordered Spectroscopy Nuclear Magnetic Resonance. Journal of Fluorine Chemistry, 2021, 245, 109782.	1.7	0