

Maria Boltoeva

List of Publications by Year in descending order

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1,035
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430874

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docs citations

43
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Aqueous N-H acid bis(trifluoromethylsulfonyl) imide Solution - [C4mim][Tf2N] Ionic Liquid Biphasic System: an Original Investigation by Diffusion Ordered Spectroscopy Nuclear Magnetic Resonance. Journal of Fluorine Chemistry, 2021, 245, 109782.	1.7	0
3	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
4	Separation of lithium, cobalt and nickel from spent lithium-ion batteries using TBP and imidazolium-based ionic liquids. Journal of Industrial and Engineering Chemistry, 2020, 82, 269-277.	5.8	57
5	Review on Hydrometallurgical Recovery of Metals with Deep Eutectic Solvents. Sustainable Chemistry, 2020, 1, 238-255.	4.7	46
6	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
7	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
8	Solvent extraction of lithium from simulated shale gas produced water with a bifunctional ionic liquid. Applied Geochemistry, 2020, 123, 104783.	3.0	14
9	Solvent extraction of intra-lanthanides using a mixture of TBP and TODGA in ionic liquid. Hydrometallurgy, 2020, 195, 105367.	4.3	33
10	Highly selective transport of lithium across a supported liquid membrane. Journal of Fluorine Chemistry, 2020, 236, 109593.	1.7	28
11	Solvent extraction fractionation of manganese, cobalt, nickel and lithium using ionic liquids and deep eutectic solvents. Minerals Engineering, 2020, 156, 106512.	4.3	64
12	Deep eutectic solvent-based headspace single-drop microextraction for the quantification of terpenes in spices. Analytical and Bioanalytical Chemistry, 2020, 412, 933-948.	3.7	48
13	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
14	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
15	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
16	Lithium extraction from complex aqueous solutions using supported ionic liquid membranes. Journal of Membrane Science, 2019, 580, 62-76.	8.2	82
17	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
18	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

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19	Aqueous acidic solution - ionic liquid biphasic system: An original investigation by diffusion ordered spectroscopy nuclear magnetic resonance. <i>Journal of Molecular Liquids</i> , 2018, 269, 684-693.	4.9	3
20	Insight into the ionic interactions in neat ionic liquids by Diffusion Ordered Spectroscopy Nuclear Magnetic Resonance. <i>Journal of Molecular Liquids</i> , 2017, 240, 74-79.	4.9	18
21	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
22	Dramatic Changes in the Solubilities of Ions Induced by Ligand Addition in Biphasic System $D_{2}O/DNO_{3}/[C_{1}C_{4}mim][Tf_{2}N]$: A Phenomenological Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7502-7510.	2.6	14
23	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
24	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
25	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
26	Thallium Transfer from Hydrochloric Acid Media into Pure Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2311-2322.	2.6	22
27	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
28	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
29	Resin Ion Exchange and Liquid-Liquid Extraction of Indium and Thallium from Chloride Media. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 607-624.	2.0	17
30	Ruthenium-catalyzed oxidation of Np(IV) in nitric acid solutions. <i>Radiochemistry</i> , 2013, 55, 158-161.	0.7	1
31	Catalytic reduction of Np(V) with hydrazine in nitric acid solutions in the presence of ruthenium catalysts. <i>Radiochemistry</i> , 2013, 55, 52-58.	0.7	2
32	Electric-Field Alignment of Chitin Nanorod-Siloxane Oligomer Reactive Suspensions. <i>Langmuir</i> , 2013, 29, 8208-8212.	3.5	30
33	Efficient mesoporous silica-titania catalysts from colloidal self-assembly. <i>Chemical Communications</i> , 2012, 48, 10648.	4.1	39
34	From Coordination Polymers to Doped Rare-Earth Oxides. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3875-3884.	2.0	22
35	Tunable hierarchical porosity from self-assembled chitin-silica nano-composites. <i>Journal of Materials Chemistry</i> , 2011, 21, 16997.	6.7	37
36	Disproportionation of Pu(V) in aqueous HCOOH solutions. <i>Radiochemistry</i> , 2010, 52, 35-39.	0.7	2

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37	Kinetics of Pu(V) disproportionation in CH ₃ COOH-CH ₃ COOLi aqueous solutions. Radiochemistry, 2009, 51, 458-463.	0.7	2
38	Catalytic reduction of U(VI) with hydrazine on palladium catalysts in acid solutions. Radiochemistry, 2008, 50, 38-45.	0.7	8
39	Catalytic reduction of U(VI) with formic acid in acid solutions on palladium catalysts. Radiochemistry, 2008, 50, 46-51.	0.7	7
40	Reduction of Np(V) with formic acid in acidic solutions in the presence of palladium catalysts. Radiochemistry, 2008, 50, 130-135.	0.7	2
41	Reactivity of platinum nanoaggregates in catalytic reduction of U(VI) with hydrazine in acid solutions. Radiochemistry, 2007, 49, 603-606.	0.7	2
42	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
43	Catalytic decomposition of hydrazine in weakly alkaline solutions on platinum nanoparticles. Radiochemistry, 2004, 46, 578-582.	0.7	13