

Xiaohua Li

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

937
citations

516710

16
h-index

794594

19
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20
all docs

20
docs citations

20
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan functionalized ionic liquid as a recyclable biopolymer-supported catalyst for cycloaddition of CO ₂ . <i>Green Chemistry</i> , 2012, 14, 654.	9.0	314
2	Metal Recovery from Spent Samarium-Cobalt Magnets Using a Trichloride Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2578-2584.	6.7	63
3	Ionic liquids with trichloride anions for oxidative dissolution of metals and alloys. <i>Chemical Communications</i> , 2018, 54, 475-478.	4.1	61
4	Separation of transition metals from rare earths by non-aqueous solvent extraction from ethylene glycol solutions using Aliquat 336. <i>Separation and Purification Technology</i> , 2018, 201, 318-326.	7.9	57
5	Efficiency and Mechanism of Demulsification of Oil-in-Water Emulsions Using Ionic Liquids. <i>Energy & Fuels</i> , 2016, 30, 7622-7628.	5.1	52
6	Oxidative Dissolution of Metals in Organic Solvents. <i>Chemical Reviews</i> , 2021, 121, 4506-4530.	47.7	52
7	Efficient and Sustainable Removal of Magnesium from Brines for Lithium/Magnesium Separation Using Binary Extractants. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19225-19234.	6.7	51
8	Solvometallurgical process for extraction of copper from chalcopyrite and other sulfidic ore minerals. <i>Green Chemistry</i> , 2020, 22, 417-426.	9.0	42
9	Extraction of acetic acid, glycolaldehyde and acetol from aqueous solutions mimicking pyrolysis oil cuts using ionic liquids. <i>Separation and Purification Technology</i> , 2017, 175, 498-505.	7.9	34
10	Enhancing Metal Separations by Liquid-Liquid Extraction Using Polar Solvents. <i>Chemistry - A European Journal</i> , 2019, 25, 9197-9201.	3.3	33
11	Multi-responsive ionic liquid emulsions stabilized by microgels. <i>Chemical Communications</i> , 2014, 50, 12197-12200.	4.1	32
12	Extraction of Guaiacol from Model Pyrolytic Sugar Stream with Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4703-4710.	3.7	31
13	Aromatics extraction from pyrolytic sugars using ionic liquid to enhance sugar fermentability. <i>Bioresource Technology</i> , 2016, 216, 12-18.	9.6	29
14	Enhancing Metal Separations Using Hydrophilic Ionic Liquids and Analogues as Complexing Agents in the More Polar Phase of Liquid-Liquid Extraction Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15628-15636.	3.7	27
15	One-step mild biorefinery of functional biomolecules from microalgae extracts. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 182-187.	3.7	19
16	Densities and viscosities of binary mixtures of magnetic ionic liquids 1-alkyl-3-methylimidazolium tetrachloroferrate with ethyl acetate at temperatures (293.15 to 323.15) K. <i>Journal of Molecular Liquids</i> , 2017, 243, 285-292.	4.9	17
17	Closed-loop process for recovery of metals from NdFeB magnets using a trichloride ionic liquid. <i>Separation and Purification Technology</i> , 2021, 275, 119158.	7.9	12
18	Ethylammonium nitrate enhances the extraction of transition metal nitrates by tributyl phosphate (TBP). <i>AIChE Journal</i> , 2021, 67, e17213.	3.6	6

#	ARTICLE	IF	CITATIONS
19	Separation of Rare Earths and Transition Metals Using Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5927-5935.	3.7	5