Shubin Wang

List of Publications by Year
in descending order

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22	768	623734	713466
papers	citations	14	21
		h-index	g-index

23	23	23	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionization potential-based design of deep eutectic solvent for recycling of spent lithium ion batteries. Chemical Engineering Journal, 2022, 436, 133200.	12.7	38
2	A liquid cathode/anode based solid-state lithium-sulfur battery. Electrochimica Acta, 2022, 421, 140456.	5.2	3
3	Efficient regeneration of retired LiFePO₄ cathode by combining spontaneous and electrically driven processes. Green Chemistry, 2022, 24, 4544-4556.	9.0	34
4	Sulfur-containing iron nanocomposites confined in S/N co-doped carbon for catalytic peroxymonosulfate oxidation of organic pollutants: Low iron leaching, degradation mechanism and intermediates. Chemical Engineering Journal, 2021, 404, 126499.	12.7	77
5	Synergistic effects of co-gasification of municipal solid waste and biomass in fixed-bed gasifier. Chemical Engineering Research and Design, 2021, 148, 1-12.	5.6	61
6	Mechanistic study on calcium ion diffusion into fayalite: A step toward sustainable management of copper slag. Journal of Hazardous Materials, 2021, 410, 124630.	12.4	12
7	Cobaltâ€Enhanced Mass Transfer and Catalytic Production of Sulfate Radicals in MOFâ€Derived CeO₂â€‰â€¢â€‰Co₃O₄ Nanoflowers for Efficient Degradation of Antibiotics. Small, 2021, 17, e2101393.	10.0	28
8	Ce-based heterogeneous catalysts by partial thermal decomposition of Ce-MOFs in activation of peroxymonosulfate for the removal of organic pollutants under visible light. Chemosphere, 2021, 280, 130637.	8.2	30
9	Solvent extraction equilibrium modeling for the separation of ammonia, nickel(II), and copper(II) from the loaded LIX84-I. Minerals Engineering, 2021, 172, 107132.	4.3	5
10	Regulation of electronic structures of MOF-derived carbon via ligand adjustment for enhanced Fenton-like reactions. Science of the Total Environment, 2021, 799, 149497.	8.0	20
11	Recycling of LiFePO4 cathode materials from spent lithium-ion batteries through ultrasound-assisted Fenton reaction and lithium compensation. Waste Management, 2021, 136, 67-75.	7.4	49
12	Reduction-ammoniacal leaching to recycle lithium, cobalt, and nickel from spent lithium-ion batteries with a hydrothermal method: Effect of reductants and ammonium salts. Waste Management, 2020, 102, 122-130.	7.4	64
13	Recycling of spent lithium-ion batteries: Selective ammonia leaching of valuable metals and simultaneous synthesis of high-purity manganese carbonate. Waste Management, 2020, 114, 253-262.	7.4	54
14	Highly efficient conversion of cellulose into 5-hydroxymethylfurfural using temperature-responsive ChnH5-nCeW12O40 (nÂ=Â1â€“5) catalysts. Chemical Engineering Journal, 2020, 396, 125282.	12.7	35
15	Innovative Electrochemical Strategy to Recovery of Cathode and Efficient Lithium Leaching from Spent Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 4767-4776.	5.1	54
16	A novel method for screening deep eutectic solvent to recycle the cathode of Li-ion batteries. Green Chemistry, 2020, 22, 4473-4482.	9.0	158
17	Equilibrium Modeling for Solvent Extraction of Nickel and Ammonia from Alkaline Media with the Extractant LIX84-I. Materials Transactions, 2018, 59, 634-641.	1.2	3
18	Equilibrium Modeling of Solvent Extraction and Stripping of Copper(II), Nickel(II), and Ammonia for Ammoniacal Process Using LIXÂ® 84-I. Minerals, Metals and Materials Series, 2018, , 2009-2016.	0.4	0

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19	Equilibrium Modeling of the Extraction of Copper and Ammonia from Alkaline Media with the Extractant LIX84I. Materials Transactions, 2017, 58, 1427-1433.	1.2	7
20	Modeling of Equilibria for the Solvent Extraction of Ammonia with LIX84I. Solvent Extraction Research and Development, 2017, 24, 71-76.	0.4	6
21	Microscopic Insights into Extraction Mechanism of Copper(II) in Ammoniacal Solutions Studied by X-ray Absorption Spectroscopy and Density Functional Theory Calculation. Journal of Physical Chemistry A, 2013, 117, 12280-12287.	2.5	13
22	Improvement of separation efficiency of Cu(II) and Ni(II) in ammoniacal solutions by antagonistic effect of Aliquat336 on LIX84I. Separation and Purification Technology, 2013, 118, 828-834.	7.9	17