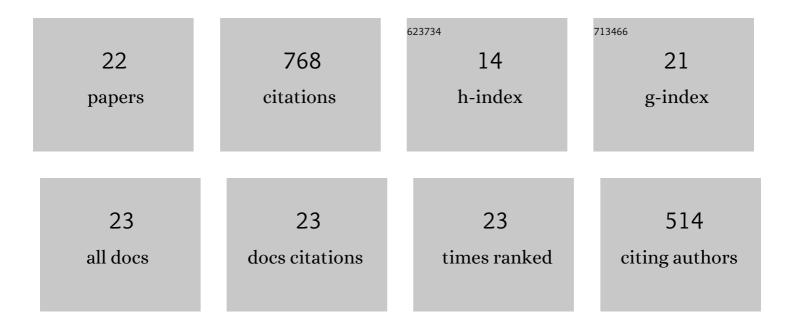
## Shubin Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	lonization potential-based design of deep eutectic solvent for recycling of spent lithium ion batteries. Chemical Engineering Journal, 2022, 436, 133200.	12.7	38
9	Highly efficient conversion of cellulose into 5-hydroxymethylfurfural using temperature-responsive ChnH5-nCeW12O40 (nÂ=Â1–5) catalysts. Chemical Engineering Journal, 2020, 396, 125282.	12.7	35
10	Efficient regeneration of retired LiFePO <sub>4</sub> cathode by combining spontaneous and electrically driven processes. Green Chemistry, 2022, 24, 4544-4556.	9.0	34
11	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
12	Cobaltâ€Enhanced Mass Transfer and Catalytic Production of Sulfate Radicals in MOFâ€Derived CeO <sub>2</sub> • Co <sub>3</sub> O <sub>4</sub> Nanoflowers for Efficient Degradation of Antibiotics. Small, 2021, 17, e2101393.	10.0	28
13	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
14	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
15	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
16	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
17	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
18	Modeling of Equilibria for the Solvent Extraction of Ammonia with LIX84I. Solvent Extraction Research and Development, 2017, 24, 71-76.	0.4	6

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#	Article	IF	CITATIONS
19	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
20	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
21	A liquid cathode/anode based solid-state lithium-sulfur battery. Electrochimica Acta, 2022, 421, 140456.	5.2	3
22	Equilibrium Modeling of Solvent Extraction and Stripping of Copper(II), Nickel(II), and Ammonia for Ammoniacal Process Using LIX® 84-I. Minerals, Metals and Materials Series, 2018, , 2009-2016.	0.4	0