

Yongming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

400
citations

840776

11
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity Identification and Evolution Mechanism of Thermolysis-Driven Gas Emissions from Cathodes of Spent Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18228-18235.	6.7	54
2	Novel recycling process for lead-acid battery paste without SO ₂ generation - Reaction mechanism and industrial pilot campaign. <i>Journal of Cleaner Production</i> , 2019, 217, 162-171.	9.3	45
3	One-step extraction of antimony from low-grade stibnite in Sodium Carbonate " Sodium Chloride binary molten salt. <i>Journal of Cleaner Production</i> , 2015, 93, 134-139.	9.3	43
4	Co-treatment of waste smelting slags and gypsum wastes via reductive-sulfurizing smelting for valuable metals recovery. <i>Journal of Hazardous Materials</i> , 2017, 322, 402-412.	12.4	34
5	Waste Organic Compounds Thermal Treatment and Valuable Cathode Materials Recovery from Spent LiFePO ₄ Batteries by Vacuum Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19084-19095.	6.7	33
6	Oxidizing Roasting Behavior and Leaching Performance for the Recovery of Spent LiFePO ₄ Batteries. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 949.	2.0	31
7	The thermal physical properties and stability of the eutectic composition in a Na ₂ CO ₃ "NaCl binary system. <i>Thermochimica Acta</i> , 2014, 596, 14-20.	2.7	30
8	Effect of bromide ions on the corrosion behavior of hafnium in anhydrous ethanol. <i>RSC Advances</i> , 2015, 5, 34580-34587.	3.6	18
9	One-Step Extraction of Antimony in Low Temperature from Stibnite Concentrate Using Iron Oxide as Sulfur-Fixing Agent. <i>Metals</i> , 2016, 6, 153.	2.3	16
10	Gas evolution characterization and phase transformation during thermal treatment of cathode plates from spent LiFePO ₄ batteries. <i>Thermochimica Acta</i> , 2020, 684, 178483.	2.7	15
11	One-step extraction of bismuth from bismuthinite in sodium carbonate" sodium chloride molten salt using ferric oxide as sulfur-fixing agent. <i>RSC Advances</i> , 2016, 6, 49717-49723.	3.6	13
12	One-Step Extraction of Lead from Spent Lead-Acid Battery Paste via Reductive Sulfur-Fixing Smelting: Thermodynamic Analysis. <i>Minerals, Metals and Materials Series</i> , 2017, , 767-777.	0.4	9
13	Thermodynamic Analysis and Experimental Investigation of Al and F Removal from Sulfuric Acid Leachate of Spent LiFePO ₄ Battery Powder. <i>Metals</i> , 2021, 11, 1641.	2.3	9
14	Determination of the vapour pressure curves and vaporization enthalpies of hafnium alkoxides using thermogravimetric analysis. <i>Royal Society Open Science</i> , 2019, 6, 181193.	2.4	8
15	Cleaner Extraction of Lead from Complex Lead-Containing Wastes by Reductive Sulfur-Fixing Smelting with Low SO ₂ Emission. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 119.	2.0	8
16	Sustainable phase-conversion method for antimony extraction and sulfur conservation and waste treatment at low temperature. <i>Journal of Cleaner Production</i> , 2020, 268, 121950.	9.3	8
17	Cleaner Recycling of Spent Lead-Acid Battery Paste and Co-Treatment of Pyrite Cinder via a Reductive Sulfur-Fixing Method for Valuable Metal Recovery and Sulfur Conservation. <i>Metals</i> , 2019, 9, 911.	2.3	7
18	Spent Lead-Acid Battery Recycling via Reductive Sulfur-Fixing Smelting and Its Reaction Mechanism in the PbSO ₄ -Fe ₃ O ₄ -Na ₂ CO ₃ -C System. <i>Jom</i> , 2019, 71, 2368-2379.	1.9	6

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19	Recycling of Spent Lead-Acid Battery for Lead Extraction with Sulfur Conservation. <i>Jom</i> , 2020, 72, 3186-3194.	1.9	4
20	Clean antimony production from stibnite concentrate with goethite residue co-treatment for zinc, iron, sulfur conservation. <i>Journal of Cleaner Production</i> , 2021, 313, 127847.	9.3	4
21	PbSO ₄ Reduction Mechanism and Gas Composition at 600–1000°C. <i>Jom</i> , 2021, 73, 881-891.	1.9	2
22	Thermodynamic Phase Conversion Mechanism on Copper–Cobalt Slag Cleaning Process Using Gypsum Wastes as Sulfurizing Agent. <i>Journal of Sustainable Metallurgy</i> , 0, , 1.	2.3	2
23	A New Pyrometallurgical Recycling Technique for Lead Battery Paste Without SO ₂ Generation—A Thermodynamic and Experimental Investigation. <i>Minerals, Metals and Materials Series</i> , 2018, , 1109-1120.	0.4	1