Hongyue Jin

List of Publications by Year
in descending order

23 papers	715 citations	623734 14 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	626 citing authors

#	Article	IF	Citations
1	Techno-economic and Life Cycle Analysis for Bioleaching Rare-Earth Elements from Waste Materials. ACS Sustainable Chemistry and Engineering, 2018, 6, 1602-1609.	6.7	98
2	Comparative life cycle analysis for value recovery of precious metals and rare earth elements from electronic waste. Resources, Conservation and Recycling, 2019, 149, 20-30.	10.8	95
3	Life Cycle Assessment of Neodymium-Iron-Boron Magnet-to-Magnet Recycling for Electric Vehicle Motors. Environmental Science & Technology, 2018, 52, 3796-3802.	10.0	69
4	Sustainable Bioleaching of Rare Earth Elements from Industrial Waste Materials Using Agricultural Wastes. ACS Sustainable Chemistry and Engineering, 2019, 7, 15311-15319.	6.7	51
5	Comparative Life Cycle Assessment of NdFeB Magnets: Virgin Production versus Magnet-to-Magnet Recycling. Procedia CIRP, 2016, 48, 45-50.	1.9	50
6	Techno-economic Assessment for Integrating Biosorption into Rare Earth Recovery Process. ACS Sustainable Chemistry and Engineering, 2017, 5, 10148-10155.	6.7	47
7	A hybrid metaheuristic algorithm for a profit-oriented and energy-efficient disassembly sequencing problem. Robotics and Computer-Integrated Manufacturing, 2020, 61, 101828.	9.9	47
8	Techno-Economic and Life Cycle Assessments for Sustainable Rare Earth Recovery from Coal Byproducts using Biosorption. ACS Sustainable Chemistry and Engineering, 2020, 8, 17914-17922.	6.7	30
9	Life cycle assessment of emerging technologies on value recovery from hard disk drives. Resources, Conservation and Recycling, 2020, 157, 104781.	10.8	30
10	Rebalancing Bike Sharing Systems for Minimizing Depot Inventory and Traveling Costs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3871-3882.	8.0	24
11	A Multiobjective Disassembly Planning for Value Recovery and Energy Conservation From End-of-Life Products. IEEE Transactions on Automation Science and Engineering, 2021, 18, 791-803.	5.2	24
12	A bi-objective network design for value recovery of neodymium-iron-boron magnets: A case study of the United States. Journal of Cleaner Production, 2019, 211, 257-269.	9.3	23
13	Resilient NdFeB magnet recycling under the impacts of COVID-19 pandemic: Stochastic programming and Benders decomposition. Transportation Research, Part E: Logistics and Transportation Review, 2021, 155, 102505.	7.4	20
14	Sustainable Recycling of Rare-Earth Elements from NdFeB Magnet Swarf: Techno-Economic and Environmental Perspectives. ACS Sustainable Chemistry and Engineering, 2021, 9, 15915-15924.	6.7	18
15	Sustainable Value Recovery of NdFeB Magnets: A Multi-Objective Network Design and Genetic Algorithm. ACS Sustainable Chemistry and Engineering, 2018, 6, 4767-4775.	6.7	16
16	Modeling the Value Recovery of Rare Earth Permanent Magnets at End-of-Life. Procedia CIRP, 2015, 29, 680-685.	1.9	13
17	Microbe-Encapsulated Silica Gel Biosorbents for Selective Extraction of Scandium from Coal Byproducts. Environmental Science & Technology, 2021, 55, 6320-6328.	10.0	12
18	Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and supply chain. Clean Technologies and Recycling, 2021, 1, 152-184.	2.8	12

#	Article	IF	Citations
19	Applying design of experiments to evaluate economic feasibility of rare-earth element recovery. Procedia CIRP, 2020, 90, 165-170.	1.9	10
20	The use of decision support tools to accelerate the development of circular economic business models for hard disk drives and rare-earth magnets. MRS Energy & Sustainability, 2020, 7, 1.	3.0	9
21	Environmental impacts of a circular recovery process for hard disk drive rare earth magnets. Resources, Conservation and Recycling, 2021, 173, 105694.	10.8	8
22	A location-allocation model for sustainable NdFeB magnet recovery under uncertainties. CIRP Annals - Manufacturing Technology, 2018, 67, 37-40.	3.6	5
23	Modeling operation and inventory for rare earth permanent magnet recovery under supply and demand uncertainties. Journal of Manufacturing Systems, 2018, 46, 59-66.	13.9	4