

Hongyue Jin

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

715
citations

623734

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23
times ranked

626
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiobjective Disassembly Planning for Value Recovery and Energy Conservation From End-of-Life Products. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 791-803.	5.2	24
2	Microbe-Encapsulated Silica Gel Biosorbents for Selective Extraction of Scandium from Coal Byproducts. <i>Environmental Science & Technology</i> , 2021, 55, 6320-6328.	10.0	12
3	Environmental impacts of a circular recovery process for hard disk drive rare earth magnets. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105694.	10.8	8
4	Resilient NdFeB magnet recycling under the impacts of COVID-19 pandemic: Stochastic programming and Benders decomposition. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 155, 102505.	7.4	20
5	Sustainable Recycling of Rare-Earth Elements from NdFeB Magnet Swarf: Techno-Economic and Environmental Perspectives. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15915-15924.	6.7	18
6	Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and supply chain. <i>Clean Technologies and Recycling</i> , 2021, 1, 152-184.	2.8	12
7	A hybrid metaheuristic algorithm for a profit-oriented and energy-efficient disassembly sequencing problem. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 61, 101828.	9.9	47
8	Rebalancing Bike Sharing Systems for Minimizing Depot Inventory and Traveling Costs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 3871-3882.	8.0	24
9	Applying design of experiments to evaluate economic feasibility of rare-earth element recovery. <i>Procedia CIRP</i> , 2020, 90, 165-170.	1.9	10
10	Techno-Economic and Life Cycle Assessments for Sustainable Rare Earth Recovery from Coal Byproducts using Biosorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17914-17922.	6.7	30
11	The use of decision support tools to accelerate the development of circular economic business models for hard disk drives and rare-earth magnets. <i>MRS Energy & Sustainability</i> , 2020, 7, 1.	3.0	9
12	Life cycle assessment of emerging technologies on value recovery from hard disk drives. <i>Resources, Conservation and Recycling</i> , 2020, 157, 104781.	10.8	30
13	Sustainable Bioleaching of Rare Earth Elements from Industrial Waste Materials Using Agricultural Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15311-15319.	6.7	51
14	Comparative life cycle analysis for value recovery of precious metals and rare earth elements from electronic waste. <i>Resources, Conservation and Recycling</i> , 2019, 149, 20-30.	10.8	95
15	A bi-objective network design for value recovery of neodymium-iron-boron magnets: A case study of the United States. <i>Journal of Cleaner Production</i> , 2019, 211, 257-269.	9.3	23
16	Life Cycle Assessment of Neodymium-Iron-Boron Magnet-to-Magnet Recycling for Electric Vehicle Motors. <i>Environmental Science & Technology</i> , 2018, 52, 3796-3802.	10.0	69
17	Sustainable Value Recovery of NdFeB Magnets: A Multi-Objective Network Design and Genetic Algorithm. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4767-4775.	6.7	16
18	Modeling operation and inventory for rare earth permanent magnet recovery under supply and demand uncertainties. <i>Journal of Manufacturing Systems</i> , 2018, 46, 59-66.	13.9	4

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19	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
20	A location-allocation model for sustainable NdFeB magnet recovery under uncertainties. CIRP Annals - Manufacturing Technology, 2018, 67, 37-40.	3.6	5
21	Techno-economic Assessment for Integrating Biosorption into Rare Earth Recovery Process. ACS Sustainable Chemistry and Engineering, 2017, 5, 10148-10155.	6.7	47
22	Comparative Life Cycle Assessment of NdFeB Magnets: Virgin Production versus Magnet-to-Magnet Recycling. Procedia CIRP, 2016, 48, 45-50.	1.9	50
23	Modeling the Value Recovery of Rare Earth Permanent Magnets at End-of-Life. Procedia CIRP, 2015, 29, 680-685.	1.9	13