

Xin Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8029926/publications.pdf>

Version: 2024-02-01

19
papers

778
citations

623699

14
h-index

839512

18
g-index

19
all docs

19
docs citations

19
times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracing global lithium flow: A trade-linked material flow analysis. <i>Resources, Conservation and Recycling</i> , 2017, 124, 50-61.	10.8	157
2	Tracing global cobalt flow: 1995–2015. <i>Resources, Conservation and Recycling</i> , 2019, 149, 45-55.	10.8	95
3	Global Lithium Flow 1994–2015: Implications for Improving Resource Efficiency and Security. <i>Environmental Science & Technology</i> , 2018, 52, 2827-2834.	10.0	90
4	Impact of transport electrification on critical metal sustainability with a focus on the heavy-duty segment. <i>Nature Communications</i> , 2019, 10, 5398.	12.8	67
5	Securing Platinum-Group Metals for Transport Low-Carbon Transition. <i>One Earth</i> , 2019, 1, 117-125.	6.8	51
6	Supply risks of lithium-ion battery materials: An entire supply chain estimation. <i>Materials Today Energy</i> , 2019, 14, 100347.	4.7	50
7	The Dynamic Equilibrium Mechanism of Regional Lithium Flow for Transportation Electrification. <i>Environmental Science & Technology</i> , 2019, 53, 743-751.	10.0	40
8	End-of-life recycling rates of platinum group metals in the automotive industry: Insight into regional disparities. <i>Journal of Cleaner Production</i> , 2020, 266, 121942.	9.3	40
9	Potential of electric vehicle batteries second use in energy storage systems: The case of China. <i>Energy</i> , 2022, 253, 124159.	8.8	35
10	Features of critical resource trade networks of lithium-ion batteries. <i>Resources Policy</i> , 2021, 73, 102177.	9.6	32
11	Insights into the global flow pattern of manganese. <i>Resources Policy</i> , 2020, 65, 101578.	9.6	27
12	Static material flow analysis of neodymium in China. <i>Journal of Industrial Ecology</i> , 2021, 25, 114-124.	5.5	25
13	Global Competition in the Lithium-Ion Battery Supply Chain: A Novel Perspective for Criticality Analysis. <i>Environmental Science & Technology</i> , 2021, 55, 12180-12190.	10.0	24
14	Quantifying the Energy, Environmental, Economic, Resource Co-Benefits and Risks of GHG Emissions Abatement: The Case of Passenger Vehicles in China. <i>Sustainability</i> , 2019, 11, 1344.	3.2	14
15	Mapping global fuel cell vehicle industry chain and assessing potential supply risks. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15097-15109.	7.1	13
16	Modeling potential impact of COVID-19 pandemic on global electric vehicle supply chain. <i>IScience</i> , 2022, 25, 103903.	4.1	10
17	Comparing supply chains of platinum group metal catalysts in internal combustion engine and fuel cell vehicles: A supply risk perspective. <i>Cleaner Logistics and Supply Chain</i> , 2022, 4, 100043.	6.0	5
18	Modeling the evolvement of regional fuel cell vehicle supply chain: Implications for enhancing supply chain sustainability. <i>International Journal of Production Economics</i> , 2022, 249, 108535.	8.9	2

#	ARTICLE	IF	CITATIONS
19	The Impacts of Electric Vehicles on Resources and Supply Chains Sustainability. , 2021, , 195-215.		1