

The EV revolution: The road ahead for critical raw materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of thermal performance of novel cold plate design used in a Li-ion pouch-type battery. Applied Thermal Engineering, 2021, 191, 116885.	3.0	53
2	Electric Vehicle Charging Rescheduling to Mitigate Local Congestions in the Distribution System. , 2021, , .		8
3	The dynamic effects of renewable-energy and fossil-fuel technological progress on metal consumption in the electric power industry. Resources Policy, 2021, 71, 101985.	4.2	23
4	End-of-life automotive lithium-ion batteries (LIBs) in Brazil: Prediction of flows and revenues by 2030. Resources, Conservation and Recycling, 2021, 169, 105522.	5.3	36
5	Financial viability of electric vehicle lithium-ion battery recycling. IScience, 2021, 24, 102787.	1.9	105
6	Valorization of a spent lithium-ion battery electrolyte through syngas formation using CO2-assisted catalytic thermolysis over a battery cathode material. Journal of CO2 Utilization, 2021, 50, 101591.	3.3	10
7	Life Cycle Modelling of Extraction and Processing of Battery Minerals – A Parametric Approach. Batteries, 2021, 7, 57.	2.1	21
8	Features of critical resource trade networks of lithium-ion batteries. Resources Policy, 2021, 73, 102177.	4.2	32
9	A region-specific raw material and lithium-ion battery criticality methodology with an assessment of NMC cathode technology. Applied Energy, 2021, 302, 117512.	5.1	19
10	Significant progress of grain boundary diffusion process for cost-effective rare earth permanent magnets: A review. Materials and Design, 2021, 209, 110004.	3.3	98
11	A post-pandemic sustainable scenario: What actions can be pursued to increase the raw materials availability?. Environmental Research, 2021, 202, 111681.	3.7	23
12	The Impacts of Critical Metal Shortage on China's Electric Vehicle Industry Development and Countermeasure Policies. SSRN Electronic Journal, 0, , .	0.4	0
13	The Overview of Dynamic EV Path Planning. , 2021, , .		1
14	How economic indicators impact the EU internal demand for critical raw materials. Resources Policy, 2021, 74, 102417.	4.2	8
15	Direct recycling technologies of cathode in spent lithium-ion batteries. Clean Technologies and Recycling, 2021, 1, 124-151.	1.3	29
16	Upgrading spent battery separator into syngas and hydrocarbons through CO2-Assisted thermochemical platform. Energy, 2022, 242, 122552.	4.5	4
17	Measuring raw-material criticality of product systems through an economic product importance indicator: a case study of battery-electric vehicles. International Journal of Life Cycle Assessment, 2022, 27, 122-137.	2.2	9
18	Material flow analysis for end-of-life lithium-ion batteries from battery electric vehicles in the USA and China. Resources, Conservation and Recycling, 2022, 178, 106061.	5.3	56

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19	Transportation and Air Quality Perspectives and Projections in a Mediterranean Country, the Case of Greece. <i>Land</i> , 2022, 11, 152.	1.2	13
20	Literature Review, Recycling of Lithium-Ion Batteries from Electric Vehicles, Part I: Recycling Technology. <i>Energies</i> , 2022, 15, 1086.	1.6	25
22	Review of the Methods to Optimize Power Flow in Electric Vehicle Powertrains for Efficiency and Driving Performance. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1735.	1.3	10
23	Fundamentals vs. Financialization during Extreme Events: From Backwardation to Contango, a Copper Market Analysis during the COVID-19 Pandemic. <i>Mathematics</i> , 2022, 10, 559.	1.1	7
24	Analysis of the Li-ion battery industry in light of the global transition to electric passenger light duty vehicles until 2050. <i>Environmental Research: Infrastructure and Sustainability</i> , 2022, 2, 011002.	0.9	14
25	Multi-objective optimization of a mini channeled cold plate for using thermal management of a Li-Ion battery. <i>Energy</i> , 2022, 251, 123949.	4.5	28
26	The impacts of critical metal shortage on China's electric vehicle industry development and countermeasure policies. <i>Energy</i> , 2022, 248, 123646.	4.5	20
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28	The impact of country risks on cobalt trade patterns from the perspective of the industrial chain. <i>Resources Policy</i> , 2022, 77, 102641.	4.2	15
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30	Gelatin and Alginate Binders for Simplified Battery Recycling. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8489-8498.	1.5	11
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32	Cobalt Demand for Automotive Electrification in China: Scenario Analysis Based on the Bass Model. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	4
33	Optimising the geospatial configuration of a future lithium ion battery recycling industry in the transition to electric vehicles and a circular economy. <i>Applied Energy</i> , 2022, 321, 119230.	5.1	18
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39	Dynamics of sediment-laden plumes in the ocean. <i>Flow</i> , 2022, 2, .	1.0	4
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42	Global declarations on electric vehicles, carbon life cycle and Nash equilibrium. <i>Clean Technologies and Environmental Policy</i> , 2023, 25, 21-34.	2.1	7
43	The electric vehicle revolution: Critical material supply chains, trade and development. <i>World Economy</i> , 2023, 46, 2-26.	1.4	10
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45	May material bottlenecks hamper the global energy transition towards the 1.5°C target?. <i>Energy Reports</i> , 2022, 8, 14875-14887.	2.5	3
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51	Numerical study on ultrathin wide straight flow channel cold plate for Li-ion battery thermal management. <i>Journal of Energy Storage</i> , 2023, 64, 107263.	3.9	3
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54	A review on challenges for the dissemination of battery electric vehicles in Brazilian market. , 2022, , .		1
55	Cointegration between high base metals prices and backwardation: Getting ready for the metals super-cycle. <i>Resources Policy</i> , 2023, 81, 103413.	4.2	0

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58	Drivers of lithium-ion batteries recycling industry toward circular economy in industry 4.0. <i>Computers and Industrial Engineering</i> , 2023, 179, 109157.	3.4	6
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60	The slow-release effect of recycling on rapid demand growth of critical metals from EV batteries up to 2050: Evidence from China. <i>Resources Policy</i> , 2023, 82, 103504.	4.2	3
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