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Economic, environmental and grid-resilience benefits of converting diesel trains to battery-electric

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Nature Energy, 2021, 6, 1017-1025.

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#	Paper	IF	Citations
26	Battery-powered freight trains. <i>Nature Energy</i> , 2021 , 6, 1003-1004	62.3	0
25	Battery-powered trains offer a cost-effective ride to a cleaner world. <i>Nature</i> , 2021 , 599, 535	50.4	
24	Challenges of Implementing Electric and Hydrogen Public Transport. <i>Green Energy and Technology</i> , 2022 , 59-80	0.6	
23	Solar Power and Energy Storage for Decarbonization of Land Transport in India. <i>Energies</i> , 2021 , 14, 82773.1	3.1	0
22	Experimental and Theoretical Advances on Single Atom and Atomic Cluster-Decorated Low-Dimensional Platforms towards Superior Electrocatalysts. <i>Advanced Energy Materials</i> , 2200493	21.8	2
21	Visualization of battery materials and their interfaces/interphases using cryogenic electron microscopy. <i>Materials Today</i> , 2022 ,	21.8	1
20	Rapid battery cost declines accelerate the prospects of all-electric interregional container shipping. <i>Nature Energy</i> ,	62.3	0
19	Analysis of rectification techniques and autonomous hybrid power plants potential for railway power supply systems. 2022 , 8, 957-966		
18	Caffeine as an Energy Storage Material for Next-Generation Lithium Batteries.		0
17	Challenges and Solutions Samples to Improve the Utilization of Electric Ships (Brief-State-of-The-Art). 2022 ,		0
16	A systematic scientometric review of sustainable rail freight transportation. 2022 , 29, 70746-70771		0
15	Toward High-Areal-Capacity Electrodes for Lithium and Sodium Ion Batteries. 2201834		1
14	Ensembles of realistic power distribution networks. 2022 , 119,		0
13	Application and limitations of batteries and hydrogen in heavy haul rail using Australian case studies. 2022 , 56, 105813		1
12	Does the battery swapping energy supply mode have better economic potential for electric heavy-duty trucks?. 2023 , 15, 100215		0
11	Technical and economic study of the replacement of LFO thermal power plant by hybrid PV-PHSS system in Northern Cameroon. 2023 , 9, 178-194		0
10	Dynamic size optimization approach to support railway carbody lightweight design process. 0954409722114090		0

- 9 Caffeine as an energy storage material for next-generation lithium batteries. **2023**, 56, 13-24 ○
- 8 Leveraging energy flexibilities for enhancing the cost-effectiveness and grid-responsiveness of net-zero-energy metro railway and station systems. **2023**, 333, 120632 ○
- 7 Environmental Health, Racial/Ethnic Health Disparity, and Climate Impacts of Inter-Regional Freight Transport in the United States. **2023**, 57, 884-895 ○
- 6 Driving electric vehicles mass adoption: An architecture for the design of human-centric policies to meet climate and societal goals. **2023**, 171, 103651 ○
- 5 Evaluation of recycled tyre steel fibres adhesion to cement matrix. **2023**, 68, 106146 ○
- 4 Battery only electric traction for freight trains - A technical and operational assessment. 095440972311606 ○
- 3 Nonionic oligo(ethylene glycol)-substituted viologen negolytes for aqueous organic redox flow batteries. ○
- 2 Trade-off between critical metal requirement and transportation decarbonization in automotive electrification. **2023**, 14, ○
- 1 A techno-economic analysis of ammonia-fuelled powertrain systems for rail freight. **2023**, 119, 103739 ○