

This article reviews (i) current research trends in EV technology according to the Web of Science database, (ii) current states of battery technology in EVs, (iii) ...

Through constructing a life cycle assessment model, integrating various types of renewable electrical energy and various battery recovery analysis scenarios, we explored the ...

Empirically, we investigate the developmental process of the new energy vehicle battery (NEVB) industry in China. China has the highest production volume of NEVB worldwide since 2015, and currently dominates the global production capacity, accounting for 77% in 2020 (SandP Global Market Intelligence, 2021).

On May 31, you auto news, the first green new energy battery asset ABS in China - "Weineng Huatai Yongxing green new energy battery asset support special plan (carbon neutral)" was successfully issued in Shanghai Stock Exchange. Weineng acted as the asset service institution and the difference payment commitment person, Huatai United Securities acted as the ...

The IEA's Special Report on Batteries and Secure Energy Transitions highlights the key role batteries will play in fulfilling the recent 2030 commitments made by nearly 200 countries at COP28 to put the global ...

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In recent years, alkaline rechargeable nickel-iron (Ni-Fe) batteries have advanced significantly primarily due to their distinct advantages, such as a stable discharge platform, low cost, and high safety performance.

Automotive lithium-ion (Li-ion) battery demand increased by about 65% to 550 GWh in 2022, from about 330 GWh in 2021, primarily as a result of growth in electric passenger car sales, with ...

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