

Does Power Battery enterprise have a value assessment model?

The power battery enterprise, as a green energy source, has attracted much attention and how to evaluate its value has become a hot topic. This paper aims to find a suitable value assessment model for power battery enterprises.

Is China's new energy vehicle battery industry coevolutionary?

Empirically, we study the new energy vehicle battery (NEVB) industry in China since the early 2000s. In the case of China's NEVB industry, an increasingly strong and complicated coevolutionary relationship between the focal TIS and relevant policies at different levels of abstraction can be observed.

Which enterprises have emerged in the battery component field?

As a result, several key enterprises have emerged in each of the battery component fields including Easpring and Ronbay in anodes, Shanshan and BTR in cathodes, Capchem, and Tinci in electrolytes, and Shenzhen Senior and Yunnan Energy New in separators (Industry representative 12).

Does M&A enhance technological innovation in lithium battery companies?

Using a multiple-period difference-in-differences approach, the study empirically examines the impact of M&A on technological innovation in lithium battery companies. The research findings indicate that the implementation of M&A strategies by new energy companies can enhance their technological innovation levels.

Why do Chinese companies invest more in battery technology?

And because of the protection, as well as the efforts to domesticalise the battery value chain, the huge Chinese market was effectively restricted to domestic firms, and hence they could invest more in R&D and technology development and capture more added value (F2, F3).

How do new energy companies achieve technological innovation?

On the other hand, new energy companies achieve technological innovation through two modes of technology-based mergers, namely related mergers and unrelated mergers. In the lithium battery industry, related mergers, where the acquiring and target companies belong to the same industry and possess similar technological domains, are more prevalent.

PDF | On Jan 1, 2022, Muxun Bao and others published Analysis and Comparison of Technological Innovation in New Energy Vehicle Battery Industry | Find, read and cite all the research you need on ...

The advancement of technological capabilities within lithium battery enterprises crucially facilitates the high-quality development of the new energy industry. This study aims to empirically...

The New Energy Outlook presents BloombergNEF's long-term energy and climate scenarios for the transition to a low-carbon economy. Anchored in real-world sector and country transitions, it provides an independent set of credible scenarios covering electricity, industry, buildings and transport, and the key drivers shaping these sectors until 2050.

CATL is a global leader in new energy technology, specializing in power battery systems, energy storage systems, and recycling. In July 2021, CATL introduced its first generation of sodium-ion batteries, marking a significant milestone in the industry. The company continues to invest heavily in research and development to enhance the performance and ...

To achieve carbon peak and neutrality targets, the construction of green, low-carbon and efficient energy system has become a trend. The power battery enterprise, as a green energy source, has attracted much attention and how to evaluate its value has become a hot topic. This paper aims to find a suitable value assessment model for power ...

New energy vehicles are one of the most important strategic emerging industries in China. Lithium battery is the universal choice of energy supply for new energy vehicles at ...

The Impact of New Energy Enterprises' Digital Transformation on Their Total Factor Productivity: Empirical Evidence from China

Researchers have observed that the implementation of merger and acquisition (M& A) strategies by new energy companies leads to an approximately 1.5 percentage point increase in their technological innovation level. However, the improvement in the green technological innovation level is not significant. After a series of robustness tests, the ...

To this end, we propose five conceptual, descriptive, technical, and social frameworks that, when taken together, provide a holistic assessment of battery innovation opportunities: (1) anatomy of a battery, (2) battery performance metrics and application requirements, (3) the battery value chain, (4) scaling batteries and technology readiness ...

On the basis of the existing index system research, this paper combines the characteristics of new energy vehicle enterprise investment projects. Starting from two aspects of investment conditions and investment benefits, the fuzzy analytic hierarchy process (AHP) is used to establish a new energy vehicle enterprise investment decision-making ...

The status of NEVs in China. NEVs are vehicles that consume new energy rather than traditional fuel. The hybrid vehicle (HV), battery electrical vehicle (BEV), fuel cell electric vehicle (FCEV), hydrogen engine vehicle (HEV), and dimethyl ether vehicle (DEV) are all NEVs (Yuan et al. 2015). Similar to the development

of many other new industries, the NEV ...

Power battery; enterprise value assessment; CATL. Abstract: To achieve carbon peak and neutrality targets, the construction of green, low-carbon and efficient energy system has become a trend. The power battery enterprise, as a green energy source, has attracted much attention and how to evaluate its value has become a hot topic. This paper ...

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