

How can the new energy vehicle industry contribute to sustainability?

Authors to whom correspondence should be addressed. Amid the accelerating global transition toward a low-carbon economy, collaborative innovation within the new energy vehicle industry has emerged as a critical mechanism for advancing green technology diffusion and fostering industrial ecosystem sustainability.

How can new energy vehicle battery technology improve resource control?

Meanwhile, new energy vehicle battery technology, as a high-tech, possesses cross-industry collaboration needs, and structural holes can better characterize the resource control advantages of nodes.

What is the cooperation network in NEV battery technology?

The scale of each innovative subject's cooperation network in the field of NEV battery technology has progressively grown, as shown in Figure 4. A fixed network connected by multiple subjects began to be formed in 2008-2011, and a small-group network with multiple cooperation frequencies was formed in 2012-2015.

Does network embedding theory apply to new energy vehicle battery technology?

Firstly, this study innovatively verifies the applicability of network embedding theory in the field of new energy vehicle battery technology and reveals the special law of innovation networks in technology-intensive industry.

How can domestic enterprises improve the NEV battery industry?

Consequently, domestic enterprises must maintain a sense of urgency, foster continuous technological innovation, construct an open and mutually beneficial innovation ecosystem, and actively identify, engage with, and leverage external innovation resources. Currently, China boasts over 7600 enterprises involved in the NEV battery sector.

Are new energy vehicles a good investment?

As an essential product of low-carbon, eco-friendly, energy-efficient, and environment-friendly technologies, new energy vehicles (NEVs) can effectively alleviate carbon emissions, environmental pollution, and energy shortages [2, 3].

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2019/08: entered into cooperation of intent with Germany's Siemens Energy to jointly explore green-hydrogen cooperation in China. 2019/07: a regional subsidiary of the ... multi-energy ...

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Introduction Advanced batteries are a critical technology needed for a resilient, affordable, and secure future energy system. As vital components of electric vehicles, stationary energy ...

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Energy

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