

While much of the spotlight has been on hydrogen production technologies like electrolysis and blue hydrogen capture, the real game-changer lies in how we store it. The hydrogen energy ...

Hydrogen energy is considered to be one of the most environmentally friendly and potential green energy options due to its characteristics of producing only water and no carbon emissions after ...

The movement to create a first-ever public hydrogen-based utility in California has gained the biggest city within the agriculture-rich Central Valley as one of its foundational members. The ...

In conclusion, hydrogen technology, particularly through hydrogen fuel cells, is positioned to play a transformative role in the global transition to sustainable energy solutions. With its potential ...

So-called liquid organic hydrogen carriers (LOHCs) offer a solution to the storage and transport problem. But inserting and extracting hydrogen into LOHCs requires catalysts that are often ...

Construction of Hong Kong's first public automatic hydrogen charging system for electric vehicles, set to begin operation in the second quarter of 2026, kicked off on Friday at the city's Science ...

A breakthrough in clean energy could unlock affordable, industrial-scale green hydrogen. For the first time, scientists have determined how to scale up decoupled water electrolysis, a technique that produces green hydrogen ...

Market development trend of energy storage industry New energy storage system technology and application Electric and hybrid technology and application in vehicles Technology updates of charging and infrastructure ...

Statistics show that more than 40 Chinese cities have introduced policies to promote the development of hydrogen energy. Liu Wei, secretary-general of the National Alliance of Hydrogen and Fuel Cell, said that the dual ...

Hydrogen is a promising clean and renewable energy source; however, its efficient storage is one of the key challenges of establishing the sustainable hydrogen economy. The light main group ...

Expanding the use of "green hydrogen" will be crucial for China to reach its dual carbon goals as the future growth of power supply will mostly come from non-fossil sectors, analysts said. The National Development and Reform ...



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This premier battery conference kicks off with a high-level plenary featuring opening ceremonies, keynote speeches, and executive dialogues. Along with the Leaders Closed-door Roundtable, these sessions will bring together ...

It has 1.1GW of battery storage in development. Ignitis has identified BESS as a green flexibility technology for short-duration applications, with pumped hydro providing medium-duration ...

By 2030, China will have established a sound system of renewable energy-based hydrogen production and supply, according to the plan. By 2035, the hydrogen industry is expected to have taken shape and will cover ...

These methods enable high-throughput screening of materials, prediction of performance metrics, and identification of structure-property relationships. By combining experimental insights with ...



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