

Abstract This study investigated the large-scale hydrogen storage in several forms of underground space (depleted gas reservoirs, aquifers, hard rock caverns, and salt ...

Secondly, through a comprehensive analysis of the content of China's hydrogen energy policies, this study sheds light on the intricacies of policy intervention in China's ...

This article reviews the current development status and challenges of high-pressure gaseous hydrogen storage equipment in China. With regard to stationary vessels, ...

Abstract In recent years, the global energy green development strategy has been accelerated, and the value of hydrogen energy in energy transformation has gradually ...

China - Hydrogen energy forecast to see rapid development in nation China is poised to experience a boom in hydrogen energy development, driven by strong government ...

The China International Hydrogen Congress 2025 was held in Beijing on Wednesday, serving as a global platform for exchange, dialogue and collaboration in the ...

As a clean, low-carbon, efficient and renewable energy source, hydrogen has gradually become an important energy carrier to combat climate change and achieve ...

Abstract Hydrogen and carbon capture, utilisation, and storage (CCUS) are set to play important and complementary roles in meeting People's Republic of China's (hereafter, "China") pledge ...

a b s t r a c t This paper discusses the current development strategy, technology and industrialization of China's hydrogen energy industry in the transportation field, summarizes the ...

Having a flexible, hydrogen-based storage and generation system in the mix could radically change this equation. Furthermore, alongside this pure-hydrogen turbine, China ...

Hence, this paper proposes a combined energy system composed of wind power-photovoltaic-energy storage salt cavern with hydrogen as the energy scheduling carrier. The ...

ABSTRACT As a clean, efficient energy source, hydrogen is regarded as a promising alternative energy for accomplishing the zero-CO₂ targets. In the longer term, large-scale hydrogen ...

China is poised to experience a boom in hydrogen energy development, driven by strong government policies

and a rapid decline in renewable energy costs, according to ...

A notable feature of China's hydrogen strategy is that it is not, in fact, singular, but instead comprised of a national strategy and a multitude of regional strategies. Since the release of ...

China is poised to experience a boom in hydrogen energy development, driven by strong government policies and a rapid decline in renewable energy costs, according to industry ...

3. Current Issues and Future Development Trends in China's Hydrogen Energy Industry Despite China's strong foundation in hydrogen production and a large-scale application market, it is still ...

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