

Hydrogen energy technology is pivotal to China's strategy for achieving carbon neutrality by 2060. A detailed report [1] outlined the development of China's hydrogen energy ...

The goal is to provide adequate hydrogen storage to meet the U.S. Department of Energy (DOE) hydrogen storage targets for onboard light-duty vehicle, material-handling equipment, and portable power applications. By 2020, HFTO aims to ...

For hydrogen to contribute to the energy transition, a scale-up over the next decade is critical. Learn more about McKinsey's Oil & Gas Practice. What is needed for the hydrogen energy market to scale? To fulfill the vast ...

For long-term operation, hydrogen storage consisting of electrolyzer and fuel cell can provide efficient solutions to seasonal energy shifting [10]. In this paper, we focus on a typical ...

It discusses both innovative approaches to hydrogen production and storage including gasification, electrolysis, and solid-state material-based storage. Additionally, the paper ...

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