

Thermal energy storage (TES) technologies in the forms of sensible, latent and thermochemical heat storage are developed for relieving the mismatched energy supply and demand. Diverse TES systems are developed ...

Carbon Neutrality is an international, multi-disciplinary open access journal in the areas of low carbon science, technology, and policy. Energy storage is one of the key areas of Carbon ...

Research on new energy storage technologies has been sparked by the energy crisis, greenhouse effect, and air pollution, leading to the continuous development and commercialization of electrochemical energy storage batteries. ...

In order to limit global warming to 2 °C, countries have adopted carbon capture and storage (CCS) technologies to reduce greenhouse gas emission. However, it is currently ...

This book focuses on the connotation and extension of carbon neutrality. It presents a full collection of various topics in carbon neutrality, including carbon production, reduction, ...

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 ...

1. Introduction. China has proposed a carbon policy goal of achieving "carbon neutrality" by 2060 [1], [2], and the search for carbon neutral solutions has become a hot topic ...

China is committed to the targets of achieving peak CO₂ emissions around 2030 and realizing carbon neutrality around 2060. To realize carbon neutrality, people are seeking ...

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