

Downloadable (with restrictions)! Utilizing LNG cold energy in different temperature ranges with distinctive approaches is a promising option to achieve a high thermodynamic efficiency. This ...

Therefore, an integrated structure considering energy cascade utilization that can take into account the diversified demands of different users must be developed. ... The energy ...

Utilizing LNG cold energy in different temperature ranges with distinctive approaches is a promising option to achieve a high thermodynamic efficiency. This paper proposed a novel ...

Abstract: The integrated energy system effectively improves the comprehensive utilization of energy through cascade utilization and coordinated scheduling of various types of energy. ...

PIES can realize the cascade utilization of electricity, heat, and gas energy. Heat energy can be divided into different grades based on temperature, and high-grade heat energy has more ...

The study discusses the battery recycling mode, aging principle, detection, screening, capacity configuration, control principle, battery management system, and other technologies from the aspects of battery recycling and cascade ...

standards, and application scenarios of echelon utilization. The study discusses the battery recycling mode, aging principle, detection, screening, capacity configuration, control principle, ...

Liquid air energy storage can enhance the absorptive capacity for renewable energy due to its high energy storage density and extensive application scenarios. This paper ...

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In this section, we will explore the relationship between the energy input and output in each component with regards to energy cascade utilization and the energy flow ...

In this paper, we establish energy-hub networks as multi-energy systems and present a relevant model-predictive cascade mitigation control (MPC) scheme within the framework of energy ...

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