

1. Wei Chen, Haisheng Fang*. Lattice modulation improving surface passivation of LiMnPO₄ for stable cycling at high temperatures. Progress in Solid State Chemistry, ...

A novel solar heating system with seasonal and cascade thermal-energy storage based on zeolite water is proposed in this study. The system's efficiency is improved through cascade storage and the...

The research results show that with the development of high-temperature heat storage technologies, high temperature adiabatic compressed air energy storage technology has become a ...

Qicheng Chen's 57 research works with 732 citations and 30,998 reads, including: A Novel High Entropy Hydroxide Electrode Material for Promoting Energy Density of Supercapacitors and Its Efficient ...

The major competitive advantages of the solar fuel approach are that the change in solar to electric conversion efficiency of a solar energy system with and without storage can be close ...

Ziyi WANG, Yujie XU, Xuezhi ZHOU, Haisheng CHEN, Young SHENG, Dehou XU, Youqiang LINGHU, Jie DING. Storage and release characteristics of seasonal composite thermal storage system [J].

In this study, the major needs of physical energy storage technology are analyzed, and the development status and trends of five types of physical energy storage technologies and industry are summarized.

Haisheng Chen, Institute of Engineering Thermophysics, Chinese Academy of Sciences, Energy? 528???, 22160 ??

Chengshuai Li's 12 research works with 114 citations and 360 reads, including: Analysis of Influencing Factors on Silicon Epitaxial Growth in Horizontal Single-Wafer Reactor through Orthogonal Test

He is now also the Director of China National Research Centre of Physical Energy Storage and the President of Energy Storage Alliance, China Energy Research Society. He has been working on ...

This paper summarizes the coupling systems of CAES and wind, solar, and biomass energies from the perspective of system topology, and points out the advantages and limitations of each system.

Indeed, the Alliance has also posted a year-in-review set of survey interviews with some of China's key industry players. In his interview segment CNESA Chairman, Chen Haisheng, pointed ...



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???: ????, ?????, ?/????, ???? Abstract: Renewable energy sources, such as solar energy, have the characteristics of intermittence and ...

He has assembled the largest physical energy storage research and development team in China (more than 130 people) and presided over more than 30 projects of National 863 Program, CAS Pilot ...



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