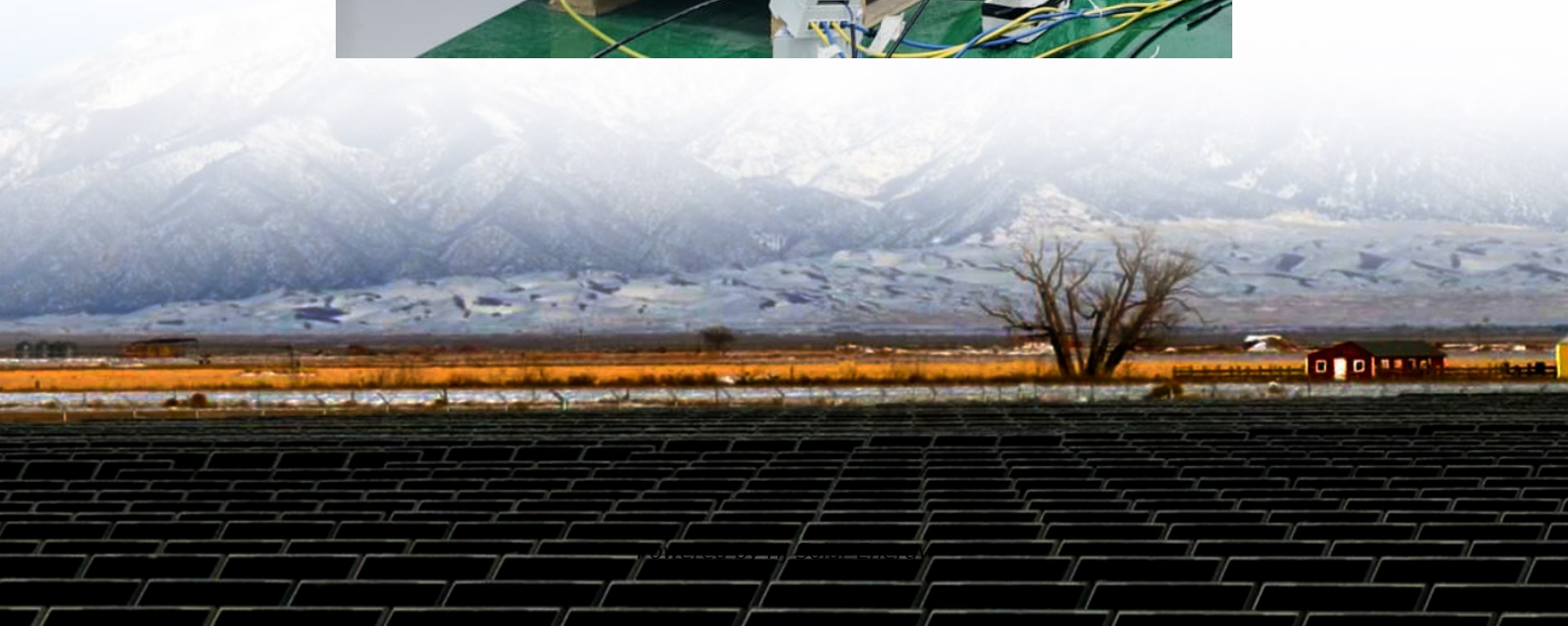


Zhang xuelai energy storage technology





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Research progress of seasonal thermal energy storage ...

A detailed discussion of the current state of research into supercooled PCMs for seasonal thermal energy storage and systems is presented. Finally, we present a detailed outline of the future ...

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However, there have been ...



Progress of research on phase change energy storage materials ...

At present, new energy sources mainly include solar energy, wind energy, tidal energy, etc. However, these energy sources are affected by environmental and time factors ...



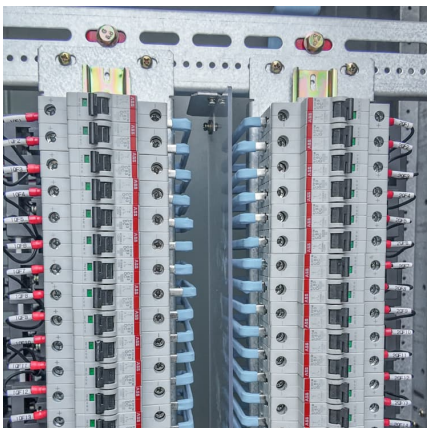
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Research progress of seasonal thermal energy storage technology based on supercooled phase change materials Article Sep 2023 Weisan Hua Xin Lv Xuelai Zhang [] Jiahao Zhu



Research progress of cold chain transport technology for storage ...

Research progress of cold chain transport technology for storage fruits and vegetables Journal of Energy Storage (IF 8.9) Pub Date : 2022-11-05, DOI: 10.1016/j.est.2022.105958 Tingting Qi, ...





Research progress of cold chain transport technology for storage ...

At present, phase change cold storage technology is widely used in new energy [18], industrial waste heat utilization [19], solar energy utilization [20], energy-saving ...



Review of research progress on corrosion and anti-corrosion of ...

Using phase change material (PCM) as the energy storage medium and applying it in a latent heat energy storage system has become an important way of n...

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Sensible heat storage, latent heat storage, and thermochemical heat storage are the three most prevalent types of seasonal thermal energy storage. In recent years, latent heat storage based ...



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Study on Influencing Factors of Phase Transition Hysteresis in the Phase Change Energy Storage 2022 - Lu, Dingyu, Xu, Xiaofeng, Zhang, XuelaiXie, - ?materials? - ????: 0 ?? ?? ...



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Journal of Energy Storage (Submission Guide >)
Pub Date: 2024-10-29, DOI:
10.1016/j.est.2024.114334 Yujie Chen, Xuelai Zhang In China, the cold chain industry has a ...



Research progress of carbon capture and storage (CCS) technology ...

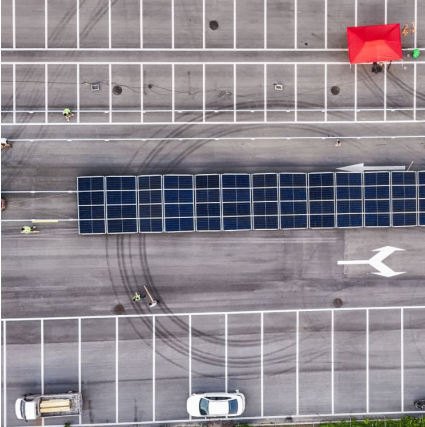
With the concept of peak carbon emission and carbon neutrality proposed in the 21st century, the shipping industry, which accounts for more carbon emi...

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Research progress of phase change thermal storage technology in air-source heat pump
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2023-03-27, DOI: 10.1016/j.est.2023.107114
Zhaozhong ...





Application and research progress of cold storage technology in ...

This paper reviews the application and research of cold storage technology in cold chain transportation and distribution and points out the research prospects of ...

Xuelai Zhang

Cold chain transportation energy conservation and emission reduction based on phase change materials under dual-carbon background: A review Yi Chen,Xuelai Zhang,Jun Ji,Chaoxiang ...



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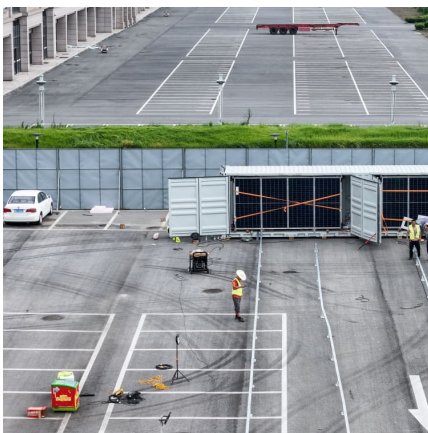
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Xiaofeng Xu's research works , Shanghai Maritime University, ...

Phase change energy storage is a new type of energy storage technology that can improve energy utilization and achieve high efficiency and energy savings.



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Review of preparation technologies of organic composite phase change materials in energy storage 2021 - Yinxu Zhao, Xuelai Zhang, Weisan Hua - ?Journal of Molecular Liquids? - ...





Research progress on power battery cooling technology for ...

Research progress on power battery cooling technology for electric vehicles Journal of Energy Storage (IF 9.8) Pub Date : 2019-12-23, DOI: 10.1016/j.est.2019.101155 Mengyao Lu, Xuelai ...



Progress in corrosion and anti-corrosion measures of phase ...

The data in Table 1 shows that the energy storage density of PCM is significantly higher than that of sensible heat. The application of this PCM-based phase change energy ...

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Supercooling characteristics of a mannitol based phase change ...

Cite this article LIU Lum, ZHANG Xuelai, CHEN Yue, ZHANG Yongyichuan. Supercooling characteristics of a mannitol based phase change system under a ultrasonic action [J]. Energy ...



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Agarwala, Review of thermal characterization techniques for salt-based phase change materials, J.Energy Storage, No 46 DOI: 10.1016/j.est.2021.103865 Wu, Experimental study on the ...



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