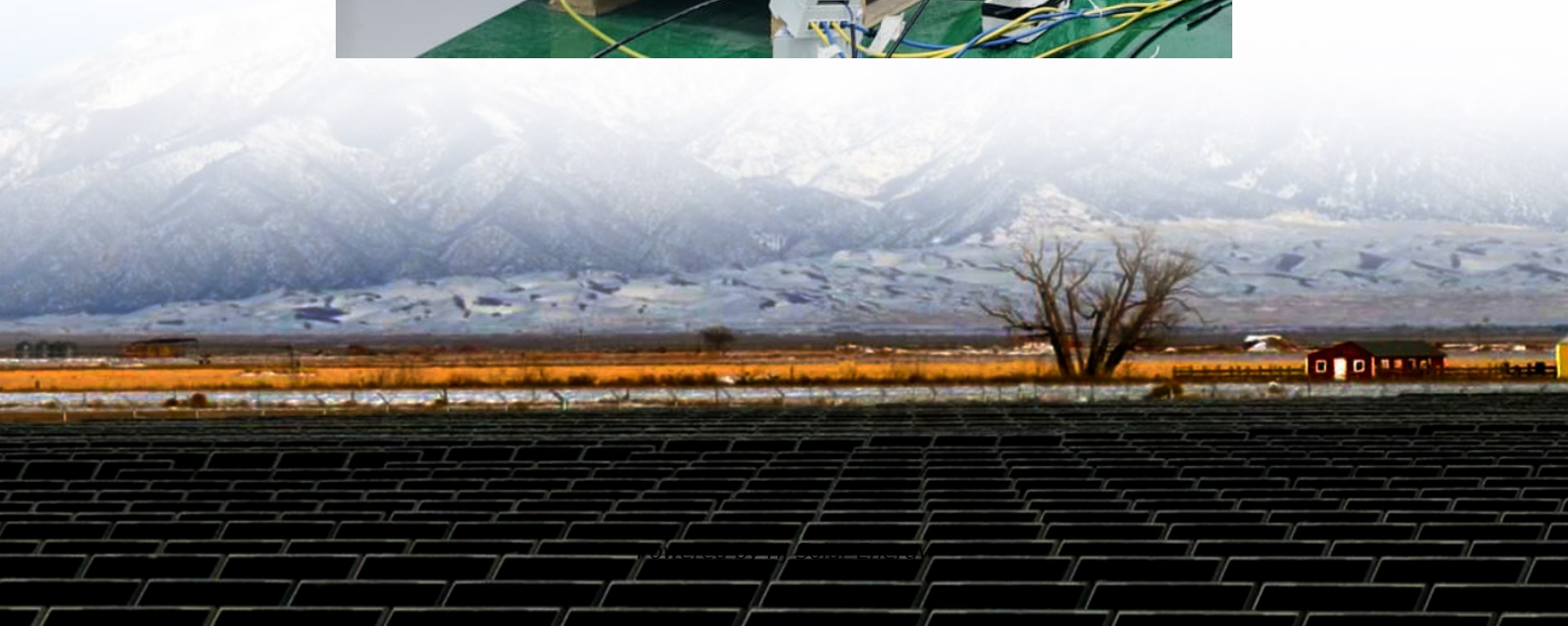


Zhang xuelai energy storage technology





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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 ...



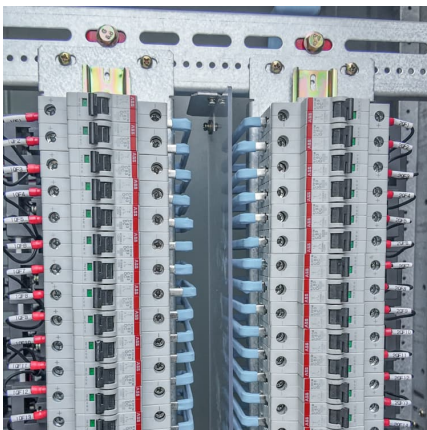
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Research progress of seasonal thermal energy storage technology based on supercooled phase change materials Article Sep 2023 Weisan Hua Xin Lv Xuelai Zhang [] Jiahao Zhu



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, ...





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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 ...



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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 ...

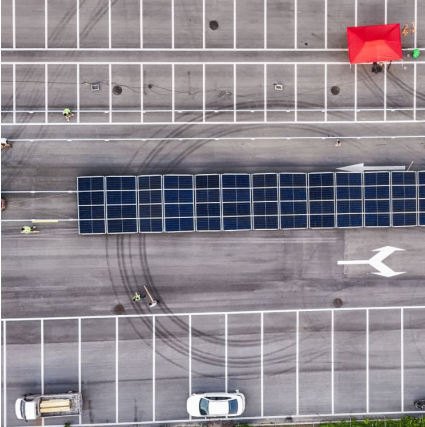
With the concept of peak carbon emission and carbon neutrality proposed in the 21st century, the shipping industry, which accounts for more carbon emi...

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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 ...





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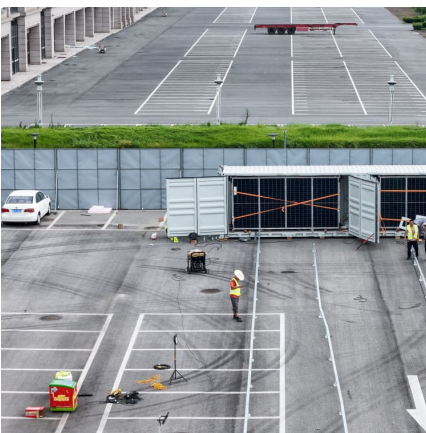
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Phase change energy storage is a new type of energy storage technology that can improve energy utilization and achieve high efficiency and energy savings.



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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? - ...





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

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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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