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LiF-LiCl-Li<sub>2</sub>CO<sub>3</sub> ternary system was screened out for high temperature energy storage material due to its good thermophysical properties. Its eutectic composition (X<sub>LiF</sub> = 28.41 mol%, X<sub>LiCl</sub> ...

CO<sub>2</sub> hydrate is a potential cold thermal energy storage material with latent heat of 500 kJ/kg, however, the dissociation principle of CO<sub>2</sub> hydrate is different from that of solid-liquid phase ...

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Energy storage system (ESS) is regarded as an effective tool to promote energy utilization efficiency and deal with the operational risk of the power distribution network (PDN), which is ...

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Solar energy storage is an indispensable and sustainable utilization mode of renewable energy; environment friendly, large-capacity, low heat loss, and long-term storage are critical to ...

Sodium-ion storage devices have been considered as potential candidates for large-scale energy storage systems owing to the natural abundance and low price of sodium resources. As a cost ...

Solar energy storage is an indispensable and sustainable utilization mode of renewable energy; environment friendly, large-capacity, low heat loss, and long-term storage are critical to improving ...

The energy storage performance of polymer dielectrics decreases sharply owing to the inevitable conduction loss under harsh conditions, limiting their use in next-generation microelectronics ...

Energy Storage Density In article number 2108496, Ming Liu and co-workers successfully synthesize 2-2 type PVDF-based composites interlayered by epitaxial (111)-oriented BTO ...

Xiangming LI | Cited by 3,478 | of Xi'an Jiaotong University, Xi'an (XJTU) | Read 117 publications | Contact Xiangming LI ... compact high-power capacitive energy storage owing to the high ...

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