Inorganic phase change energy storage material heating

The increasing need for energy, along with limiting resources, has encouraged the development of novel solutions in the fields of energy conservation and storage. Phase ...

The PCM capsules were able to work at temperatures up to 900 °C, including undergoing a solid-liquid phase change at 803 °C with a latent heat of 159.6 J g-1, and ...

Abstract Successful utilization of the latent heat energy storage system depends considerably on the thermal reliability and stability of the phase change materials (PCMs) used. ...

As a cost-effective phase change thermal storage material, calcium chloride hexahydrate exhibits high heat capacity and holds tremendous promise in building energy ...

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