

Energy storage material photothermal conversion efficiency

Herein, novel PCM composites (CMPCMs) with good structural stability, improved photothermal conversion efficiency, and superior energy storage density were successfully synthesized by ...

Preparation and properties of erythritol/exfoliated graphite nanoplatelets @ polyaniline microencapsulated phase change materials with improved photothermal conversion efficiency ...

The results show that the design of this structure achieves a high energy storage density and demonstrates excellent thermal stability and thermal cycling stability. Additionally, ...

Download Citation | On Feb 1, 2025, Rongjun Wei and others published Bioinspired wood-based composite phase change materials for efficient photothermal conversion and energy storage | ...

The development of phase change materials (PCMs) with high energy storage density, enhanced photothermal conversion efficiency and good form-stability is essential for practical application ...



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