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New phase change energy storage

To best capitalize on phase change phenomena of materials for thermal storage, material parameters, including molecular motion and entropy, must be mathematically described, so ...

In order to improve the application effectiveness of new phase change energy storage materials in construction engineering, the article conducts research on the characteristics of new phase ...

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Photo-liquefiable azobenzene derivatives enable the simultaneous storage of photon energy and phase-change energy, with the ability to release the stored energy in a ...

It also puts forward prospects and insights for its future development direction. I hope to better promote the integration of new phase change energy storage materials with other building ...

To meet the demands of the global energy transition, photothermal phase change energy storage materials have emerged as an innovative solution. These materials, utilizing various ...

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