

The history of phase change energy storage materials

The building sector is responsible for a third of the global energy consumption and a quarter of greenhouse gas emissions. Phase change materials (PCMs) have shown high potential for ...

Phase change materials (PCMs) are used as effective potential energy storage elements in buildings due to their good structural stability, high energy storage density, controllable phase ...

To reduce energy consumption and increase energy efficiency in the building sector, thermal energy storage with phase change materials (PCMs) is used. The knowledge of the ...

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