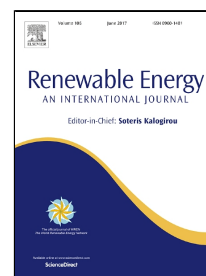


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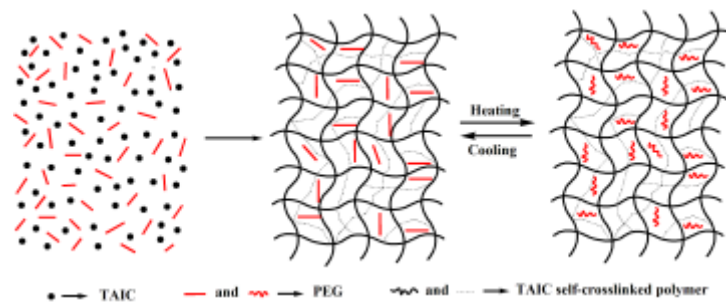
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## In-situ preparation of a shape stable phase change material

Xuelin Huang, Jing Guo\*, Yumei Gong\*, Shenglin Li, Siyang Mu, Sen Zhang\*



- ▶ Shape-stabilized PEG/TAIC composites were prepared by in-situ reactive blend.
- ▶ The melting temperatures and latent heat values of the PCMs were in the range of 31 ~ 58 °C and 110 ~ 137 J/g, respectively.
- ▶ Latent heat of the PCMs almost have no change after 200 heating-cooling cycles.
- ▶ PEG/TAIC composites were determined as promising candidates for heat storage application.

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