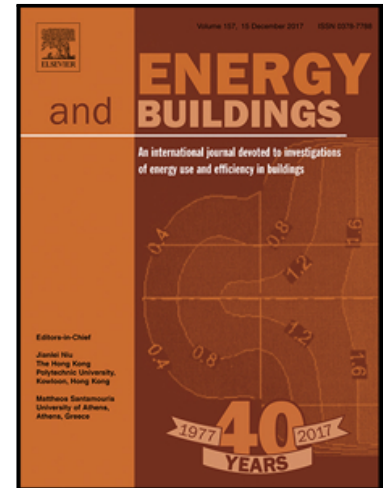


Accepted Manuscript

A Review on Enhancement of Phase Change Materials - A Nanomaterials Perspective

Kwok Wei Shah

PII: S0378-7788(18)30574-7
DOI: [10.1016/j.enbuild.2018.06.043](https://doi.org/10.1016/j.enbuild.2018.06.043)
Reference: ENB 8645



To appear in: *Energy & Buildings*

Received date: 19 February 2018
Revised date: 9 June 2018
Accepted date: 21 June 2018

Please cite this article as: Kwok Wei Shah , A Review on Enhancement of Phase Change Materials - A Nanomaterials Perspective, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.06.043](https://doi.org/10.1016/j.enbuild.2018.06.043)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- It is entitled “*A Review on Enhancement of Phase Change Materials - A Nanomaterials Perspective*”
- The novelty of this article originates from its complete review of recent publications, from a nanomaterials perspective, which focuses and compares key information on the (1) nano-synthesis techniques, (2) type of nano-materials, (3) nano-morphologies and (4) thermal conductivity enhancement effects of PCM materials. Several salient points can be summarised and concluded at the end of this review on the optimal choice of nano-materials, nano-morphologies and their preparation techniques.
- The importance of this article stems from the growing attention to nanotechnology and nanomaterials, rather than on the base PCM material itself. The article is highly relevant to this journal because of its close relation to thermal energy storage, renewable energy and more importantly, how nanotechnology and nanomaterials serve to resolve these global issues for a more sustainable built environment.

Download English Version:

<https://daneshyari.com/en/article/6727213>

Download Persian Version:

<https://daneshyari.com/article/6727213>

[Daneshyari.com](https://daneshyari.com)