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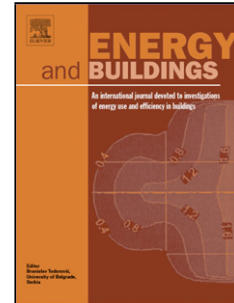
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Authors: Lingzhi Liu, Bijin Xiong, Yongfeng Men

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Facile Preparation of Porous Plaster Board Containing Phase Change Capsules Using Gel Template

Lingzhi Liu*, Bijin Xiong, Yongfeng Men

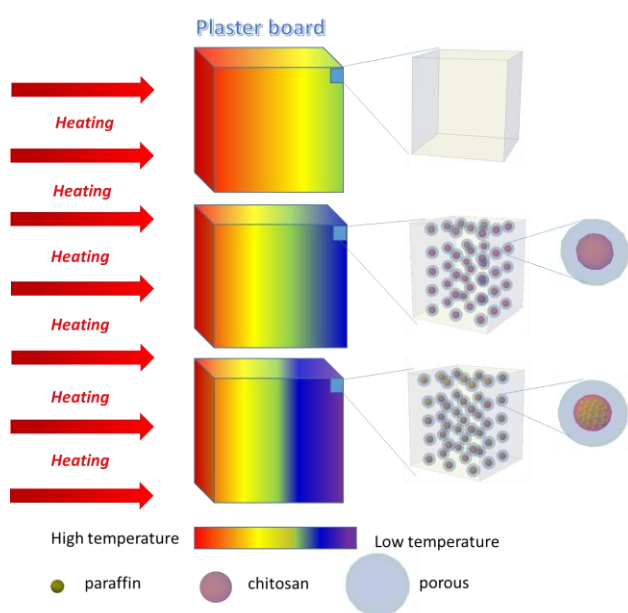
State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry,

Chinese Academy of Science, Renmin Street 5625, 130022 Changchun, People's Republic of China

Fax: +86-431-85262954; Tel: +86-431-85262954;

E-mail: liulz@ciac.ac.cn

Graphical abstract

**Abstract**

A novel method to prepare porous materials using gel particles as template is reported. Pores containing phase change capsules are introduced into plaster board through this one step template method. The change of water existing in the gel particles into crystal water of gypsum (CaSO_4) plays an important role on the formation of the pores. The density of these porous plaster board is about 0.6

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