

# Accepted Manuscript

Triethanolamine-modified mesoporous SBA-15: Facile one-pot synthesis and its catalytic application for cycloaddition of CO<sub>2</sub> with epoxides under mild conditions

Meng Zhang, Bingxian Chu, Guoying Li, Jianze Xiao, Haowen Zhang, Yujie Peng, Bin Li, Peng Xie, Minguang Fan, Lihui Dong

PII: S1387-1811(18)30491-8

DOI: [10.1016/j.micromeso.2018.09.011](https://doi.org/10.1016/j.micromeso.2018.09.011)

Reference: MICMAT 9110

To appear in: *Microporous and Mesoporous Materials*

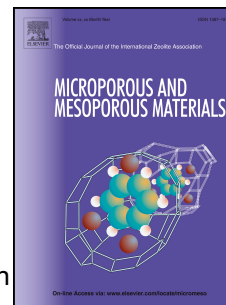
Received Date: 1 July 2018

Revised Date: 7 September 2018

Accepted Date: 10 September 2018

Please cite this article as: M. Zhang, B. Chu, G. Li, J. Xiao, H. Zhang, Y. Peng, B. Li, P. Xie, M. Fan, L. Dong, Triethanolamine-modified mesoporous SBA-15: Facile one-pot synthesis and its catalytic application for cycloaddition of CO<sub>2</sub> with epoxides under mild conditions, *Microporous and Mesoporous Materials* (2018), doi: 10.1016/j.micromeso.2018.09.011.

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.



**Triethanolamine-modified mesoporous SBA-15: facile one-pot synthesis and its catalytic application for cycloaddition of CO<sub>2</sub> with epoxides under mild conditions**

Meng Zhang<sup>a</sup>, Bingxian Chu<sup>a</sup>, Guoying Li<sup>a</sup>, Jianze Xiao<sup>a</sup>, Haowen Zhang<sup>a</sup>, Yujie Peng<sup>a</sup>, Bin Li<sup>a</sup>, Peng Xie<sup>a</sup>, Mingguang Fan<sup>a,b,\*</sup>, Lihui Dong<sup>a,b,\*</sup>.

<sup>a</sup>*Guangxi Key Laboratory of Petrochemical Resource Processing and Process Intensification Technology,*

*School of Chemistry and Chemical Engineering, Guangxi University, Nanning 530004, PR. China*

<sup>b</sup>*Guangxi Colleges and Universities Key Laboratory of Applied Chemistry Technology and Resource*

*Development, Guangxi University, Nanning 530004, PR. China*

\* Corresponding author:

E-mail address: [fanmg@gxu.edu.cn](mailto:fanmg@gxu.edu.cn) (M.G. Fan) and [donglihui2005@126.com](mailto:donglihui2005@126.com) (L.H. Dong)

Postal address: 100<sup>#</sup> Daxue road, Guangxi University, Nanning 530004, Guangxi province, PR. China;

Tel.: +86 0771-3233718; Fax: +86 0771-3233718.

Download English Version:

<https://daneshyari.com/en/article/10999974>

Download Persian Version:

<https://daneshyari.com/article/10999974>

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