

Accepted Manuscript

Selective hydrogenation of alkenes using ZIF-67 shell membrane deposited on platinum/alumina core catalyst

Feng Jiao, Hailing Guo, Lei Zhao, Junjuan Liu, Yongming Chai, Svetlana Mintova, Chenguang Liu



PII: S1387-1811(18)30512-2

DOI: [10.1016/j.micromeso.2018.09.026](https://doi.org/10.1016/j.micromeso.2018.09.026)

Reference: MICMAT 9125

To appear in: *Microporous and Mesoporous Materials*

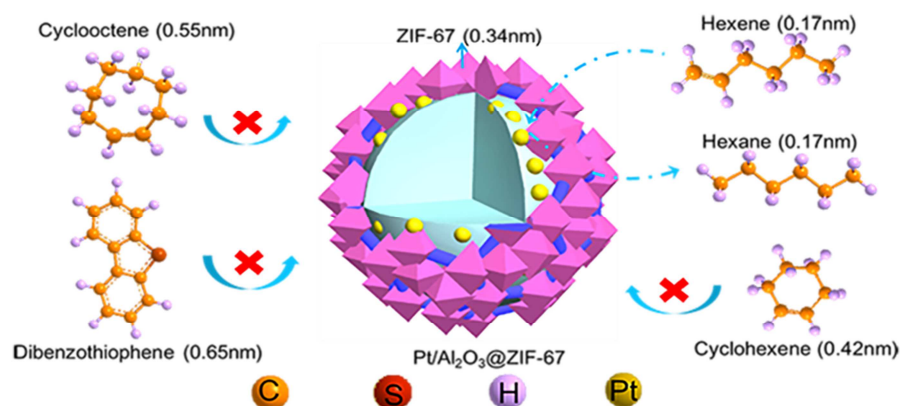
Received Date: 24 July 2018

Revised Date: 13 September 2018

Accepted Date: 23 September 2018

Please cite this article as: F. Jiao, H. Guo, L. Zhao, J. Liu, Y. Chai, S. Mintova, C. Liu, Selective hydrogenation of alkenes using ZIF-67 shell membrane deposited on platinum/alumina core catalyst, *Microporous and Mesoporous Materials* (2018), doi: <https://doi.org/10.1016/j.micromeso.2018.09.026>.

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.



A new core-shell catalyst was prepared by coating a platinum/alumina (Pt/Al₂O₃) core with a ZIF-67 shell membrane. The Pt/Al₂O₃@ZIF-67 catalyst exhibited excellent hydrogenation selectivity, long term stability and sulfur resistance.

Download English Version:

<https://daneshyari.com/en/article/11021519>

Download Persian Version:

<https://daneshyari.com/article/11021519>

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