

Accepted Manuscript

Title: Effect of Cu-doping on the structure and performance of molybdenum carbide catalyst for low-temperature hydrogenation of dimethyl oxalate to ethanol

Author: Yanting Liu Jian Ding Jicheng Bi Yanping Sun Juan Zhang Kefeng Liu Fanhua Kong Haicheng Xiao Jiangang Chen



PII: S0926-860X(16)30548-8
DOI: <http://dx.doi.org/doi:10.1016/j.apcata.2016.11.009>
Reference: APCATA 16057

To appear in: *Applied Catalysis A: General*

Received date: 28-7-2016
Revised date: 6-11-2016
Accepted date: 9-11-2016

Please cite this article as: Yanting Liu, Jian Ding, Jicheng Bi, Yanping Sun, Juan Zhang, Kefeng Liu, Fanhua Kong, Haicheng Xiao, Jiangang Chen, Effect of Cu-doping on the structure and performance of molybdenum carbide catalyst for low-temperature hydrogenation of dimethyl oxalate to ethanol, *Applied Catalysis A, General* <http://dx.doi.org/10.1016/j.apcata.2016.11.009>

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.

Effect of Cu-doping on the structure and performance of molybdenum carbide catalyst for low-temperature hydrogenation of dimethyl oxalate to ethanol

Yanting Liu^{a,b}, Jian Ding^c, Jicheng Bi^a, Yanping Sun^d, Juan Zhang^a, Kefeng Liu^e,
Fanhua Kong^c, Haicheng Xiao^e, Jiangang Chen^{a,*}

^a *State Key Laboratory of Coal Conversion, Institute of Coal Chemistry, Chinese Academy of Sciences, Taiyuan, 030001, China.*

^b *University of Chinese Academy of Sciences, Beijing, 100039, China.*

^c *School of Chemical Engineering, Inner Mongolia University of Science & Technology, Baotou, 014010, China.*

^d *Taiyuan University of Technology, Taiyuan, 030001, China.*

^e *PetroChina Petrochemical Research Institute, Beijing 100195, China.*

** Corresponding author. E-mail address: chenjg@sxicc.ac.cn (J. Chen)*

Download English Version:

<https://daneshyari.com/en/article/4755870>

Download Persian Version:

<https://daneshyari.com/article/4755870>

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