Accepted Manuscript

Title: Conversion of poultry litter into bio-oil by microwave-assisted catalytic fast pyrolysis using microwave absorbent and hierarchical ZSM-5/MCM-41 catalyst

Authors: Bo Zhang, Jing Zhang, Zhaoping Zhong, Yichi Zhang, Min Song, Xiaojia Wang, Kuan Ding, Roger Ruan



PII:	S0165-2370(17)30882-3
DOI:	https://doi.org/10.1016/j.jaap.2018.01.002
Reference:	JAAP 4225
To appear in:	J. Anal. Appl. Pyrolysis
Received date:	1-10-2017
Revised date:	20-12-2017
Accepted date:	8-1-2018

Please cite this article as: Bo Zhang, Jing Zhang, Zhaoping Zhong, Yichi Zhang, Min Song, Xiaojia Wang, Kuan Ding, Roger Ruan, Conversion of poultry litter into bio-oil by microwave-assisted catalytic fast pyrolysis using microwave absorbent and hierarchical ZSM-5/MCM-41 catalyst, Journal of Analytical and Applied Pyrolysis https://doi.org/10.1016/j.jaap.2018.01.002

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.

ACCEPTED MANUSCRIPT

Conversion of poultry litter into bio-oil by microwave-assisted catalytic fast pyrolysis using microwave absorbent and hierarchical ZSM-5/MCM-41 catalyst

Bo Zhang ^{a,b,*,1}, Jing Zhang ^{c,1}, Zhaoping Zhong ^a, Yichi Zhang ^d, Min Song ^a, Xiaojia Wang ^a, Kuan Ding ^{a,b}, Roger Ruan ^b

^a Key Laboratory of Energy Thermal Conversion and Control of Ministry of Education, Southeast University, Nanjing, Jiangsu 210096, China

^b Center for Biorefining and Department of Bioproducts and Biosystems Engineering, University of Minnesota, 1390 Eckles Ave., St. Paul, MN 55108, USA

^c School of Biotechnology and Pharmaceutical Engineering, Nanjing Tech University, Nanjing, Jiangsu, 211816, China

^d School of Computer and Information Engineering, Tianjin Chengjian University, Tianjin, 300384, China

E-mail address: bozhang@seu.edu.cn or zhangbo8848@yeah.net (B. Zhang).

¹ Contributed equally to this work.

Graphical abstract

^{*} Corresponding author.

Download English Version:

https://daneshyari.com/en/article/7606466

Download Persian Version:

https://daneshyari.com/article/7606466

Daneshyari.com