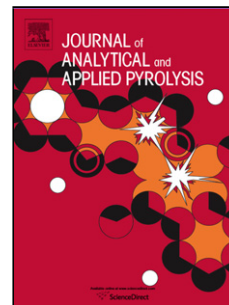


## Accepted Manuscript

Title: Evolution of coke structures during the pyrolysis of bio-oil at various temperatures and heating rates

Authors: Zhe Xiong, Syed Shatir A. Syed-Hassan, Jun Xu, Yi Wang, Song Hu, Sheng Su, Shu Zhang, Jun Xiang



PII: S0165-2370(18)30334-6  
DOI: <https://doi.org/10.1016/j.jaap.2018.06.023>  
Reference: JAAP 4360

To appear in: *J. Anal. Appl. Pyrolysis*

Received date: 27-4-2018  
Revised date: 29-5-2018  
Accepted date: 21-6-2018

Please cite this article as: Xiong Z, Syed-Hassan SSA, Xu J, Wang Y, Hu S, Su S, Zhang S, Xiang J, Evolution of coke structures during the pyrolysis of bio-oil at various temperatures and heating rates, *Journal of Analytical and Applied Pyrolysis* (2018), <https://doi.org/10.1016/j.jaap.2018.06.023>

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.

## Evolution of coke structures during the pyrolysis of bio-oil at various temperatures and heating rates

Zhe Xiong<sup>1</sup>, Syed Shatir A. Syed-Hassan<sup>2</sup>, Jun Xu<sup>1</sup>, Yi Wang<sup>1,3\*</sup>, Song Hu<sup>1,3</sup>, Sheng Su<sup>1</sup>, Shu Zhang<sup>4</sup>, and Jun Xiang<sup>1\*</sup>

<sup>1</sup> *State Key Laboratory of Coal Combustion, School of Energy and Power Engineering, Huazhong University of Science and Technology, Wuhan 430074, Hubei, PR China;*

<sup>2</sup> *Faculty of Chemical Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia;*

<sup>3</sup> *China-EU Institute for Clean and Renewable Energy at Huazhong University of Science and Technology, Wuhan 430074, Hubei, P.R. China;*

<sup>4</sup> *Department of New Energy Science and Engineering, Nanjing Forestry University, Nanjing, Jiangsu 210037, China;*

\* **Corresponding author:** Yi Wang, Email: [alenwang@hust.edu.cn](mailto:alenwang@hust.edu.cn)

Jun Xiang, Email: [xiangjun@hust.edu.cn](mailto:xiangjun@hust.edu.cn)

Download English Version:

<https://daneshyari.com/en/article/8954855>

Download Persian Version:

<https://daneshyari.com/article/8954855>

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