

## Accepted Manuscript

Insight into  $\cdot\text{OH}$  and  $\text{O}_2^{\cdot-}$  Formation in Heterogeneous Catalytic Ozonation by Delocalized Electrons and Surface Oxygen-Containing Functional Groups in Layered-Structure Nanocarbons

Zilong Song, Yuting Zhang, Chao Liu, Bingbing Xu, Fei Qi, Donghai Yuan, Shengyan Pu

PII: S1385-8947(18)31899-0  
DOI: <https://doi.org/10.1016/j.cej.2018.09.182>  
Reference: CEJ 20021

To appear in: *Chemical Engineering Journal*

Received Date: 14 June 2018  
Revised Date: 19 September 2018  
Accepted Date: 22 September 2018

Please cite this article as: Z. Song, Y. Zhang, C. Liu, B. Xu, F. Qi, D. Yuan, S. Pu, Insight into  $\cdot\text{OH}$  and  $\text{O}_2^{\cdot-}$  Formation in Heterogeneous Catalytic Ozonation by Delocalized Electrons and Surface Oxygen-Containing Functional Groups in Layered-Structure Nanocarbons, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.09.182>

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.



**Insight into  $\cdot\text{OH}$  and  $\text{O}_2^{\cdot-}$  Formation in Heterogeneous Catalytic Ozonation by Delocalized Electrons and Surface Oxygen-Containing Functional Groups in Layered-Structure Nanocarbons**

Zilong Song <sup>a</sup>, Yuting Zhang <sup>a</sup>, Chao Liu <sup>a</sup>, Bingbing Xu <sup>b</sup>, Fei Qi <sup>a\*</sup>, Donghai Yuan <sup>c\*\*</sup>, Shengyan Pu <sup>d</sup>

<sup>a</sup> Beijing Key Laboratory for Source Control Technology of Water Pollution, College of Environmental Science and Engineering, Beijing Forestry University, Beijing 100083, P. R. China

<sup>b</sup> State Key Laboratory of Environmental Criteria and Risk Assessment, Chinese Research Academy of Environmental Sciences, Beijing 100012, P. R. China

<sup>c</sup> Key Laboratory of Urban Storm Water System and Water Environmental, Ministry of Education, Beijing University of Civil Engineering and Architecture, Beijing, 100044, P. R. China

<sup>d</sup> State Key Laboratory of Geohazard Prevention and Geoenvironment Protection, Chengdu University of Technology, Sichuan, P. R. China

\*Corresponding author, Prof. Fei Qi

Tel.: +86 10 62336615; Fax: +86 10 62336596; Email: [qifei@bjfu.edu.cn](mailto:qifei@bjfu.edu.cn)

\*\*Co-corresponding author, Prof. Donghai Yuan ([yuandonghai@aliyun.com](mailto:yuandonghai@aliyun.com))

Download English Version:

<https://daneshyari.com/en/article/11024477>

Download Persian Version:

<https://daneshyari.com/article/11024477>

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