

## Accepted Manuscript

Title: Cobalt-copper oxalate nanofibers mediated Fenton degradation of Congo red in aqueous solutions

Authors: Yi Shen, Yongfang Zhou, Zhihui Zhang, Kaijun Xiao

PII: S1226-086X(17)30155-7

DOI: <http://dx.doi.org/doi:10.1016/j.jiec.2017.03.038>

Reference: JIEC 3351

To appear in:

Received date: 23-10-2016

Revised date: 12-3-2017

Accepted date: 20-3-2017

Please cite this article as: Yi Shen, Yongfang Zhou, Zhihui Zhang, Kaijun Xiao, Cobalt-copper oxalate nanofibers mediated Fenton degradation of Congo red in aqueous solutions, Journal of Industrial and Engineering Chemistry <http://dx.doi.org/10.1016/j.jiec.2017.03.038>

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.



# Cobalt-copper oxalate nanofibers mediated Fenton degradation of Congo red in aqueous solutions

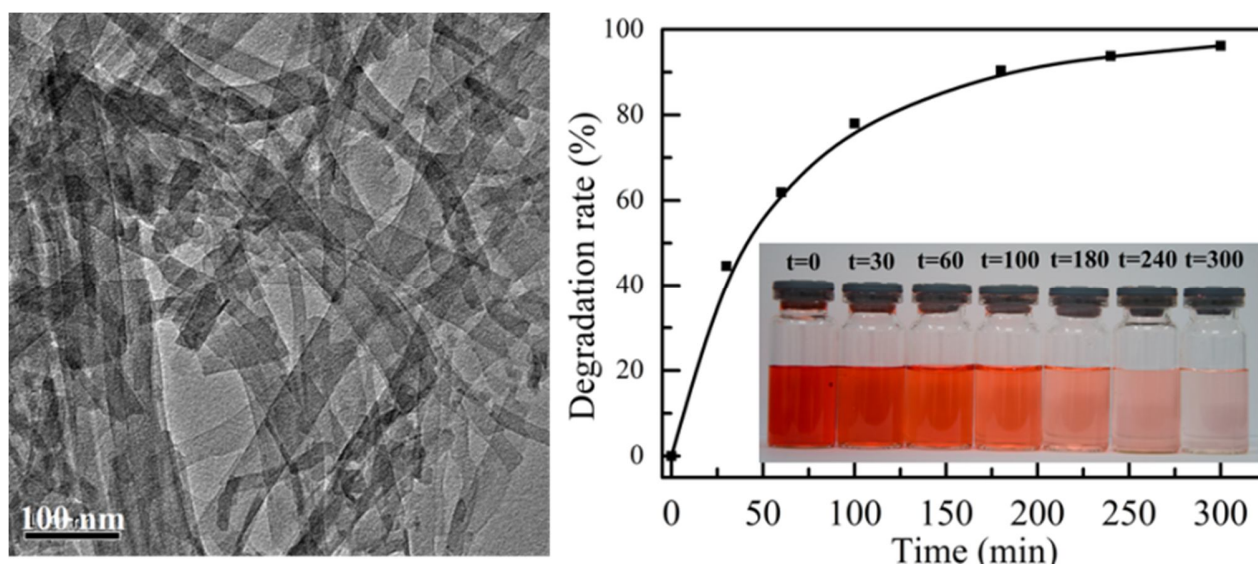
Yi Shen\*, Yongfang Zhou, Zhihui Zhang, Kaijun Xiao\*

College of Food Science and Engineering, South China University of Technology, Guangzhou, 510640, China

\*Corresponding authors: College of Food Science and Engineering, South China University of Technology, Wushan Road, Tianhe District, Guangzhou, 510640, China. Tel.: +86 020-87113843; fax: +86 020-87113843

E-mail addresses: feyshen@scut.edu.cn (Y. Shen), fekjxiao@scut.edu.cn (K. Xiao).

## Graphical Abstract



## Highlights

- Cobalt-copper oxalate was studied as catalysts for Fenton-degradation of Congo red.
- The effects of experimental parameters were studied.
- The products of degradation were identified and the pathway was proposed.
- The mechanism of the cobalt-copper oxalate/H<sub>2</sub>O<sub>2</sub> system was elaborated.

Download English Version:

<https://daneshyari.com/en/article/6668001>

Download Persian Version:

<https://daneshyari.com/article/6668001>

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