

Accepted Manuscript

Title: Oxidation of cefalexin by thermally activated persulfate: kinetics, products, and antibacterial activity change

Authors: Yajie Qian, Gang Xue, Jiabin Chen, Jinming Luo, Xuefei Zhou, Pin Gao, Qi Wang



PII: S0304-3894(18)30343-1
DOI: <https://doi.org/10.1016/j.jhazmat.2018.05.004>
Reference: HAZMAT 19370

To appear in: *Journal of Hazardous Materials*

Received date: 14-1-2018
Revised date: 10-4-2018
Accepted date: 2-5-2018

Please cite this article as: Qian Y, Xue G, Chen J, Luo J, Zhou X, Gao P, Wang Q, Oxidation of cefalexin by thermally activated persulfate: kinetics, products, and antibacterial activity change, *Journal of Hazardous Materials* (2018), <https://doi.org/10.1016/j.jhazmat.2018.05.004>

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.

Oxidation of cefalexin by thermally activated persulfate: kinetics, products, and antibacterial activity change

Yajie Qian^a, Gang Xue^a, Jiabin Chen^{b,*}, Jinming Luo^c, Xuefei Zhou^d, Pin Gao^a, Qi Wang^a

^a *College of Environmental Science and Engineering, Donghua University, Shanghai, 201620, P. R. China*

^b *School of Environmental Science and Engineering, Suzhou University of Science and Technology, Suzhou, 215009, P. R. China*

^c *School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332, United States*

^d *College of Environmental Science and Engineering, Tongji University, Shanghai, 200092, P. R. China*

* Corresponding Author. Phone: +86 0512 68096895; Fax: +86 0512 68096895.

Email: chenjiabincn@163.com_(Jiabin Chen).

Manuscript submitted to
Journal of Hazardous Materials

January 14, 2018

Download English Version:

<https://daneshyari.com/en/article/6968365>

Download Persian Version:

<https://daneshyari.com/article/6968365>

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