

## Accepted Manuscript

Title: Surface-active bismuth ferrite as superior peroxymonosulfate activator for aqueous sulfamethoxazole removal: Performance, mechanism and quantification of sulfate radical

Author: Wen-Da Oh Zhili Dong Goei Ronn Tei-Thye Lim



PII: S0304-3894(16)31086-X  
DOI: <http://dx.doi.org/doi:10.1016/j.jhazmat.2016.11.056>  
Reference: HAZMAT 18210

To appear in: *Journal of Hazardous Materials*

Received date: 11-8-2016  
Revised date: 15-11-2016  
Accepted date: 19-11-2016

Please cite this article as: Wen-Da Oh, Zhili Dong, Goei Ronn, Tei-Thye Lim, Surface-active bismuth ferrite as superior peroxymonosulfate activator for aqueous sulfamethoxazole removal: Performance, mechanism and quantification of sulfate radical, *Journal of Hazardous Materials* <http://dx.doi.org/10.1016/j.jhazmat.2016.11.056>

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.

**Surface-active bismuth ferrite as superior peroxymonosulfate activator for aqueous sulfamethoxazole removal: Performance, mechanism and quantification of sulfate radical**

Wen-Da Oh<sup>a, b\*</sup>, Zhili Dong<sup>a, c</sup>, Goei Ronn<sup>a</sup>, Teik-Thye Lim<sup>a, b\*</sup>

<sup>a</sup>Nanyang Environment and Water Research Institute (NEWRI), Nanyang Technological University, 1 Cleantech Loop, CleanTech One, Singapore 637141, Singapore.

<sup>b</sup>Division of Environmental and Water Resources Engineering, School of Civil and Environmental Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798, Singapore.

<sup>c</sup>School of Materials Science and Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798, Singapore.

\*Corresponding authors.

*E-mail addresses:* [wdoh@ntu.edu.sg](mailto:wdoh@ntu.edu.sg) (W.D. Oh) and [cttlim@ntu.edu.sg](mailto:cttlim@ntu.edu.sg) (T.T. Lim)

Download English Version:

<https://daneshyari.com/en/article/4979720>

Download Persian Version:

<https://daneshyari.com/article/4979720>

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