

Accepted Manuscript

Insight on the generation of reactive oxygen species in the CaO₂/Fe(II) Fenton system and the hydroxyl radical advancing strategy

Yunfei Xue, Qian Sui, Mark L. Brusseau, Xiang Zhang, Zhaofu Qiu, Shuguang Lyu

PII: S1385-8947(18)31366-4
DOI: <https://doi.org/10.1016/j.cej.2018.07.124>
Reference: CEJ 19522

To appear in: *Chemical Engineering Journal*

Received Date: 26 April 2018
Revised Date: 10 July 2018
Accepted Date: 18 July 2018

Please cite this article as: Y. Xue, Q. Sui, M.L. Brusseau, X. Zhang, Z. Qiu, S. Lyu, Insight on the generation of reactive oxygen species in the CaO₂/Fe(II) Fenton system and the hydroxyl radical advancing strategy, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.07.124>

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 on the generation of reactive oxygen species in the $\text{CaO}_2/\text{Fe(II)}$

Fenton system and the hydroxyl radical advancing strategy

Yunfei Xue^{a, b}, Qian Sui^{a, b*}, Mark L. Brusseau^c, Xiang Zhang^a, Zhaofu Qiu^a, Shuguang Lyu^{a, b*}

^a State Environmental Protection Key Laboratory of Environmental Risk Assessment and Control on Chemical Process, East China University of Science and Technology, Shanghai 200237, China;

^b Shanghai Institute of Pollution Control and Ecological Security, Shanghai 200092, China;

^c Soil, Water and Environmental Science Department, School of Earth and Environmental Sciences, The University of Arizona, Tucson, AZ 85721, United States;

*Corresponding author: Tel: +86 21 64250709, Fax: +86 21 64252737

E-mail: suiqian@ecust.edu.cn (Q. Sui), lvshuguang@ecust.edu.cn (S. Lyu)

Submitted for review to:

Chemical Engineering Journal

July 10, 2018

Download English Version:

<https://daneshyari.com/en/article/6578061>

Download Persian Version:

<https://daneshyari.com/article/6578061>

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