

# Accepted Manuscript

## Review

Activation of persulfate (PS) and peroxymonosulfate (PMS) and application for the degradation of emerging contaminants

Jianlong Wang, Shizong Wang

PII: S1385-8947(17)31972-1  
DOI: <https://doi.org/10.1016/j.cej.2017.11.059>  
Reference: CEJ 18030

To appear in: *Chemical Engineering Journal*

Received Date: 31 July 2017  
Revised Date: 10 October 2017  
Accepted Date: 11 November 2017

Please cite this article as: J. Wang, S. Wang, Activation of persulfate (PS) and peroxymonosulfate (PMS) and application for the degradation of emerging contaminants, *Chemical Engineering Journal* (2017), doi: <https://doi.org/10.1016/j.cej.2017.11.059>



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.

# Activation of persulfate (PS) and peroxymonosulfate (PMS) and application for the degradation of emerging contaminants

Jianlong Wang<sup>a,b,c\*</sup>, Shizong Wang<sup>a,b</sup>

<sup>a</sup> Collaborative Innovation Center for Advanced Nuclear Energy Technology, INET, Tsinghua University, Beijing 100084, P.R. China

<sup>b</sup> State Key Joint Laboratory of Environment Simulation and Pollution Control, Tsinghua University, Beijing 100084, P. R. China

<sup>c</sup> Beijing Key Laboratory of Radioactive Wastes Treatment, Tsinghua University, Beijing 100084, P.R. China

\*Corresponding author:

Tel: 0086-10-62784843;

Fax: 0086-10-62771150;

E-mail: [wangjl@tsinghua.edu.cn](mailto:wangjl@tsinghua.edu.cn)

## Highlights

- Sulfate radical-based AOPs have some advantages compared with •OH-based methods.
- Sulfate radical-based AOPs are efficient for degrading organic pollutants.
- Various activation methods and mechanisms for PS and PMS were summarized.
- Their application for degrading emerging contaminants was reviewed.

Download English Version:

<https://daneshyari.com/en/article/6580934>

Download Persian Version:

<https://daneshyari.com/article/6580934>

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