

Accepted Manuscript

Degradation of aniline in aqueous solution using non-thermal plasma generated in microbubbles

Yanan Liu, Han Zhang, Jihui Sun, Jinxia Liu, Xue Shen, Jiaxun Zhan, Ai Zhang, Stéphanie Ognier, Simeon Cavadias, Pan Li

PII: S1385-8947(18)30073-1
DOI: <https://doi.org/10.1016/j.cej.2018.01.057>
Reference: CEJ 18377

To appear in: *Chemical Engineering Journal*

Received Date: 28 November 2017
Revised Date: 9 January 2018
Accepted Date: 10 January 2018



Please cite this article as: Y. Liu, H. Zhang, J. Sun, J. Liu, X. Shen, J. Zhan, A. Zhang, S. Ognier, S. Cavadias, P. Li, Degradation of aniline in aqueous solution using non-thermal plasma generated in microbubbles, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.01.057>

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.

**Degradation of aniline in aqueous solution using non-thermal plasma
generated in microbubbles**

Yanan Liu^{a,b,*}, Han Zhang^a, Jihui Sun^a, Jinxia Liu^c, Xue Shen^a, Jiaxun Zhan^a, Ai
Zhang^a, Stéphanie Ognier^d, Simeon Cavadias^d, Pan Li^{e*}

(^a School of Environmental Science and Engineering, Donghua University, 2999 North Renmin
Road, Shanghai 201620, China.

^b Shanghai institute of pollution control and ecological security, Shanghai 200092, China.

^c McGill UnivDept Civil Engn, Montreal, PQ H3A 0C3, Canada

^d Institut de Recherche de Chimie Paris (IRCP), Equipe 2PM (Procédés, Plasmas, Microsystèmes),
UMR 8247, Chimie ParisTech-CNRS, 11 Rue Pierre et Marie Curie, 75005 Paris, France

^e School of Environmental Science and Engineering, State Key Laboratory of Control and
Resource Reuse, Tongji University, 1239 Siping Road, Shanghai, PR China)

*Corresponding author: Tel/fax: 86-21-67792538

E-mail: liuyanana@dhu.edu.cn (Y. Liu)

lipan@tongji.edu.cn (P. Li)

Download English Version:

<https://daneshyari.com/en/article/6579477>

Download Persian Version:

<https://daneshyari.com/article/6579477>

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