## Accepted Manuscript

Title:  $Cu-Al_2O_3-g-C_3N_4$  and  $Cu-Al_2O_3-C$ -dots with dual-reaction centres for simultaneous enhancement of Fenton-like catalytic activity and selective  $H_2O_2$  conversion to hydroxyl radicals

Authors: Suqian Xu, Hanxu Zhu, Wenrui Cao, Zhibin Wen, Jinnan Wang, Corvini Philippe François-Xavier, Thomas Wintgens

PII: S0926-3373(18)30358-8

DOI: https://doi.org/10.1016/j.apcatb.2018.04.029

Reference: APCATB 16600

To appear in: Applied Catalysis B: Environmental

Received date: 18-1-2018 Revised date: 3-4-2018 Accepted date: 16-4-2018

Please cite this article as: Xu S, Zhu H, Cao W, Wen Z, Wang J, François-Xavier CP, Wintgens T, Cu-Al<sub>2</sub>O<sub>3</sub>-g-C<sub>3</sub>N<sub>4</sub> and Cu-Al<sub>2</sub>O<sub>3</sub>-C-dots with dual-reaction centres for simultaneous enhancement of Fenton-like catalytic activity and selective H<sub>2</sub>O<sub>2</sub> conversion to hydroxyl radicals, *Applied Catalysis B: Environmental* (2010), https://doi.org/10.1016/j.apcatb.2018.04.029

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.



### ACCEPTED MANUSCRIPT

Cu-Al<sub>2</sub>O<sub>3</sub>-g-C<sub>3</sub>N<sub>4</sub> and Cu-Al<sub>2</sub>O<sub>3</sub>-C-dots with dual-reaction centres for simultaneous enhancement of Fenton-

#### like catalytic activity and selective H<sub>2</sub>O<sub>2</sub> conversion to hydroxyl radicals

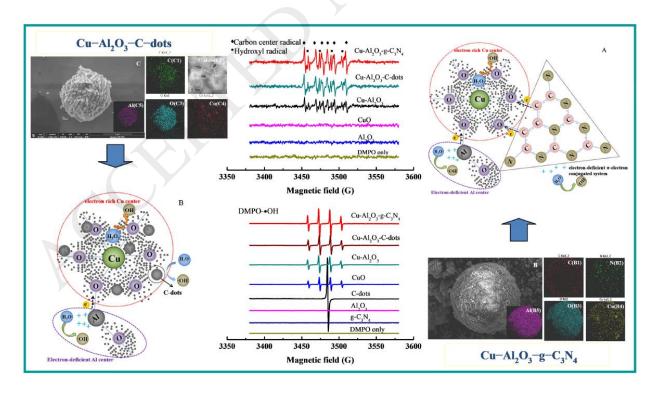
Suqian Xu <sup>1</sup>, Hanxu Zhu <sup>1</sup>, Wenrui Cao <sup>2</sup>, Zhibin Wen <sup>1</sup>, Jinnan Wang <sup>\* 1</sup>, Corvini Philippe François-Xavier <sup>3</sup>, Thomas Wintgens <sup>3</sup>

<sup>1.</sup> State Key Laboratory of Pollution Control and Resource Reuse & School of the Environment Nanjing University,

Nanjing 210023, China

<sup>2</sup> Key Laboratory for Water Quality and Conservation of the Pearl River Delta, Ministry of Education, Institute of Environmental Research at Greater Bay, Guangzhou University, Guangzhou 510006, China
<sup>3</sup> School of Life Sciences, University of Applied Sciences and Arts Northwestern Switzerland, Basel 4132, Switzerland
\*Corresponding author: wjnnju@163.com (Jinnan Wang)

#### **Graphical abstract**



#### Download English Version:

# https://daneshyari.com/en/article/6498303

Download Persian Version:

https://daneshyari.com/article/6498303

Daneshyari.com