## Accepted Manuscript

Title: Highly <!--<query id="Q1">Please check the presentation of dochead Research paper, and correct if necessary.</query>-->ordered TiO<sub>2</sub> nanotube arrays wrapped with g-C<sub>3</sub>N<sub>4</sub> nanoparticles for efficient charge separation and increased photoelectrocatalytic degradation of phenol

OURNAL OF HAZARDOUS WAZARDOUS WAZARD

Authors: Huan Wang, Yinghua Liang, Li Liu, Jinshan Hu,

Wenquan Cui

PII: S0304-3894(17)30800-2

DOI: https://doi.org/10.1016/j.jhazmat.2017.10.044

Reference: HAZMAT 18949

To appear in: Journal of Hazardous Materials

Received date: 4-8-2017 Revised date: 17-10-2017 Accepted date: 21-10-2017

Please cite this article as: Huan Wang, Yinghua Liang, Li Liu, Jinshan Hu, Wenquan Cui, Highly ordered TiO2 nanotube arrays wrapped with g-C3N4 nanoparticles for efficient charge separation and increased photoelectrocatalytic degradation of phenol, Journal of Hazardous Materials https://doi.org/10.1016/j.jhazmat.2017.10.044

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

Highly ordered  $TiO_2$  nanotube arrays wrapped with g-C<sub>3</sub>N<sub>4</sub> nanoparticles for efficient charge separation and increased photoelectrocatalytic degradation of phenol

Huan Wang<sup>1</sup>, Yinghua Liang<sup>1,2\*</sup>, Li Liu<sup>2</sup>, Jinshan Hu<sup>2</sup>, Wenquan Cui<sup>2\*</sup>

- 1. School of Chemical Engineering and Technology, Hebei University of Technology, Tianjin 300130, P.R. China;
- 2. College of Chemical Engineering, Hebei Key Laboratory for Environment Photocatalytic and Electrocatalytic Materials, North China University of Science and Technology, Tangshan Hebei 063210, P. R. China;

Highly ordered  $TiO_2$  nanotube arrays wrapped with g-C<sub>3</sub>N<sub>4</sub> nanoparticles for efficient charge separation and increased photoelectrocatalytic degradation of phenol

Huan Wang<sup>1</sup>, Yinghua Liang<sup>1,2\*</sup>, Li Liu<sup>2</sup>, Jinshan Hu<sup>2</sup>, Wenquan Cui<sup>2\*</sup>

- (1. School of Chemical Engineering and Technology, Hebei University of Technology, Tianjin 300130, P.R. China;
- 2. College of Chemical Engineering, Hebei Key Laboratory for Environment Photocatalytic and Electrocatalytic Materials, North China University of Science and Technology, Tangshan Hebei 063210, P. R. China;)

Graphical abstract:

## Download English Version:

## https://daneshyari.com/en/article/6969336

Download Persian Version:

https://daneshyari.com/article/6969336

<u>Daneshyari.com</u>