### Accepted Manuscript

Title: Removal of chromium (VI) by a self-regenerating and metal free g-C<sub>3</sub>N<sub>4</sub>/graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light

Authors: Xing Wang, Yinghua Liang, Weijia An, Jinshan Hu, Yongfa Zhu, Wenquan Cui

PII: S0926-3373(17)30648-3

DOI: http://dx.doi.org/doi:10.1016/j.apcatb.2017.07.008

Reference: APCATB 15840

To appear in: Applied Catalysis B: Environmental

Received date: 23-4-2017 Revised date: 15-6-2017 Accepted date: 3-7-2017

Please cite this article as: Xing Wang, Yinghua Liang, Weijia An, Jinshan Hu, Yongfa Zhu, Wenquan Cui, Removal of chromium (VI) by a self-regenerating and metal free g-C3N4/graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light, Applied Catalysis B, Environmentalhttp://dx.doi.org/10.1016/j.apcatb.2017.07.008

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

# Removal of chromium (VI) by a self-regenerating and metal free g-C<sub>3</sub>N<sub>4</sub>/graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light

Xing Wang<sup>a</sup>, Yinghua Liang<sup>a,\*</sup>, Weijia An<sup>a</sup>, Jinshan Hu<sup>a</sup>, Yongfa Zhu<sup>b</sup>, Wenquan Cui<sup>a,\*</sup> a College of Chemical Engineering, Hebei Key Laboratory for Environment Photocatalytic and Electrocatalytic Materials, North China University of Science and Technology, Tangshan 063009, P.R. China

b Department of Chemistry, Tsinghua University, Beijing 100084, China

Corresponding

Prof. Wenquan Cui, Email: wkcui@163.com Tel.: +86-0315-8805460,

Prof. Yinghua Liang, Email: liangyh@ncst.edu.cn Tel.: +86-0315-2592014

#### Download English Version:

# https://daneshyari.com/en/article/4755955

Download Persian Version:

https://daneshyari.com/article/4755955

<u>Daneshyari.com</u>