### **Accepted Manuscript**

Title: A high-performance Bi<sub>2</sub>O<sub>3</sub>/Bi<sub>2</sub>SiO<sub>5</sub> p-n heterojunction photocatalyst induced by phase transition of Bi<sub>2</sub>O<sub>3</sub>

Authors: Haojie Lu, Qiang Hao, Tong Chen, Linghua Zhang, Daimei Chen, Chao Ma, Wenqing Yao, Yongfa Zhu

PII: S0926-3373(18)30501-0

DOI: https://doi.org/10.1016/j.apcatb.2018.05.069

Reference: APCATB 16723

To appear in: Applied Catalysis B: Environmental

Received date: 8-3-2018 Revised date: 22-5-2018 Accepted date: 24-5-2018

Please cite this article as: Lu H, Hao Q, Chen T, Zhang L, Chen D, Ma C, Yao W, Zhu Y, A high-performance Bi<sub>2</sub>O<sub>3</sub>/Bi<sub>2</sub>SiO<sub>5</sub> p-n heterojunction photocatalyst induced by phase transition of Bi<sub>2</sub>O<sub>3</sub>, *Applied Catalysis B: Environmental* (2018), https://doi.org/10.1016/j.apcatb.2018.05.069

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

# A high-performance Bi<sub>2</sub>O<sub>3</sub>/Bi<sub>2</sub>SiO<sub>5</sub> p-n heterojunction photocatalyst induced by phase transition of Bi<sub>2</sub>O<sub>3</sub>

Haojie Lu<sup>a,1</sup>, Qiang Hao<sup>a,b,1</sup>, Tong Chen<sup>a</sup>, Linghua Zhang<sup>a</sup>, Daimei Chen<sup>a\*</sup>, Chao Ma<sup>b</sup>, Wenqing Yao<sup>b\*</sup>, Yongfa Zhu<sup>b\*</sup>

<sup>a</sup> Beijing Key Laboratory of Materials Utilization of Nonmetallic Minerals and Solid Wastes, National Laboratory of Mineral Materials, School of Materials Science and Technology, China University of Geosciences, Beijing 100083, China

<sup>b</sup> Department of Chemistry, Tsinghua University, Beijing 100084, China)

1: These authors contributed the same to this manuscript

\*Corresponding author.

Tel.: +86 15801558907; fax: +86 10 82322974.

E-mail: chendaimei@cugb.edu.cn;

E-mail: yaowq@tsinghua.edu.cn; zhuyf@tsinghua.edu.cn

#### Download English Version:

# https://daneshyari.com/en/article/6498077

Download Persian Version:

https://daneshyari.com/article/6498077

<u>Daneshyari.com</u>