Accepted Manuscript

Title: Visible-light-responsive graphene-functionalized Bi-bridge Z-scheme black BiOCl/Bi₂O₃ heterojunction with oxygen vacancy and multiple charge transfer channels for efficient photocatalytic degradation of 2-nitrophenol and industrial wastewater treatment



Authors: Fang Deng, Qian Zhang, Lixia Yang, Xubiao Luo, Aijie Wang, Shenglian Luo, Dionysios D. Dionysiou

 PII:
 S0926-3373(18)30422-3

 DOI:
 https://doi.org/10.1016/j.apcatb.2018.05.004

 Reference:
 APCATB 16658

To appear in: Applied Catalysis B: Environmental

 Received date:
 7-3-2018

 Revised date:
 29-4-2018

 Accepted date:
 2-5-2018

Please cite this article as: Deng F, Zhang Q, Yang L, Luo X, Wang A, Luo S, Dionysiou DD, Visible-light-responsive graphene-functionalized Bi-bridge Z-scheme black BiOCl/Bi₂O₃ heterojunction with oxygen vacancy and multiple charge transfer channels for efficient photocatalytic degradation of 2-nitrophenol and industrial wastewater treatment, *Applied Catalysis B: Environmental* (2010), https://doi.org/10.1016/j.apcatb.2018.05.004

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

Visible-light-responsive graphene-functionalized Bi-bridge Z-scheme black

BiOCl/Bi₂O₃ heterojunction with oxygen vacancy and multiple charge transfer

channels for efficient photocatalytic degradation of 2-nitrophenol and industrial

wastewater treatment

Fang Deng^a, Qian Zhang^a, Lixia Yang^a, Xubiao Luo^a, Aijie Wang^b, Shenglian Luo^a*,

Dionysios D. Dionysiou^c

^a Key Laboratory of Jiangxi Province for Persistent Pollutants Control and Resources Recycle, Nanchang Hangkong University, Nanchang 330063, PR China

^b Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences,

Beijing 100085, PR China

^c Department of Chemical and Environmental Engineering (DCEE), University of Cincinnati, Cincinnati, OH 45221-0012,USA *Corresponding author. Tel.: +86 7913953372.

E-mail addresses: sllou@hnu.edu.cn (S. L. Luo).

Download English Version:

https://daneshyari.com/en/article/6498028

Download Persian Version:

https://daneshyari.com/article/6498028

Daneshyari.com