Accepted Manuscript

Title: Constructing BiVO₄-Au@CdS photocatalyst with energic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants

Authors: Fei Ye, Houfen Li, Hongtao Yu, Shuo Chen, Xie

Quan

PII: S0926-3373(17)31169-4

DOI: https://doi.org/10.1016/j.apcatb.2017.12.020

Reference: APCATB 16255

To appear in: Applied Catalysis B: Environmental

Received date: 23-9-2017 Revised date: 8-12-2017 Accepted date: 10-12-2017

Please cite this article as: Fei Ye, Houfen Li, Hongtao Yu, Shuo Chen, Xie Quan, Constructing BiVO4-Au@CdS photocatalyst with energic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants, Applied Catalysis B, Environmental https://doi.org/10.1016/j.apcatb.2017.12.020

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.



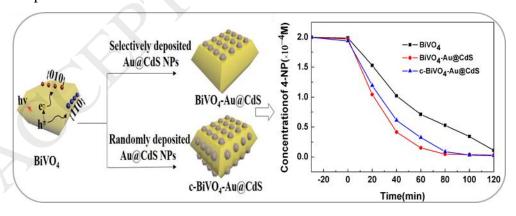
ACCEPTED MANUSCRIPT

Constructing BiVO₄-Au@CdS photocatalyst with energic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants

Fei Ye^{a 1}, Houfen Li^{b 1}, Hongtao Yu^a, Shuo Chen^a, Xie Quan^a*

- a. Key Laboratory of Industrial Ecology and Environmental Engineering (Ministry of Education, China), School of Environmental Science and Technology, Dalian University of Technology, Dalian 116024, China
- College of Environmental Science and Engineering, Taiyuan University of Technology,
 Taiyuan, 030024, China.
- * Corresponding author: E-mail: quanxie@dlut.edu.cn; Tel.: +86-411-84706140; Fax: +86-411-84706263.
- 1. These authors contributed equally to this work

Graphical abstract:



Highlights

Download English Version:

https://daneshyari.com/en/article/6498562

Download Persian Version:

https://daneshyari.com/article/6498562

Daneshyari.com