#### Accepted Manuscript

Title: One-pot synthesis of  $BaMg_{1/3}Ta_{2/3}O_{3-x}N_y/Ta_3N_5$  heterostructures as  $H_2$ -evolving photocatalysts for construction of visible-light-driven Z-scheme overall water splitting

Authors: Junyan Cui, Yu Qi, Beibei Dong, Linchao Mu, Qian Ding, Gang Liu, Mingjun Jia, Fuxiang Zhang, Can Li

PII: S0926-3373(18)30844-0

DOI: https://doi.org/10.1016/j.apcatb.2018.09.014

Reference: APCATB 16997

To appear in: Applied Catalysis B: Environmental

Received date: 3-7-2018 Revised date: 1-9-2018 Accepted date: 4-9-2018

Please cite this article as: Cui J, Qi Y, Dong B, Mu L, Ding Q, Liu G, Jia M, Zhang F, Li C, One-pot synthesis of BaMg<sub>1/3</sub>Ta<sub>2/3</sub>O<sub>3-x</sub>N<sub>y</sub>/Ta<sub>3</sub>N<sub>5</sub> heterostructures as H<sub>2</sub>-evolving photocatalysts for construction of visible-light-driven Z-scheme overall water splitting, *Applied Catalysis B: Environmental* (2018), https://doi.org/10.1016/j.apcatb.2018.09.014

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

# One-pot synthesis of $BaMg_{1/3}Ta_{2/3}O_{3-x}N_y/Ta_3N_5$ heterostructures as $H_2$ -evolving photocatalysts for construction of visible-light-driven Z-scheme overall water splitting

Junyan Cui<sup>a, b</sup>, Yu Qi<sup>b</sup>, Beibei Dong<sup>b</sup>, Linchao Mu<sup>b</sup>, Qian Ding<sup>b</sup>, Gang Liu<sup>a</sup>, Mingjun Jia<sup>a</sup>, Fuxiang Zhang<sup>\*b</sup> and Can Li<sup>\*b</sup>

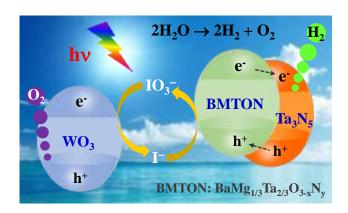
<sup>a</sup>Key Laboratory of Surface and Interface Chemistry of Jilin Province, College of Chemistry, Jilin University, Changchun 130012, China.

<sup>b</sup>State Key Laboratory of Catalysis, Collaborative Innovation Center of Chemistry for Energy Materials (iChEM), Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian National Laboratory for Clean Energy, Dalian, 116023, China.

E-mail: <a href="mailto:fxzhang@dicp.ac.cn">fxzhang@dicp.ac.cn</a>; <a href="mailto:canli@dicp.ac.cn">canli@dicp.ac.cn</a>;

Tel: +86-411-84379070

### **Graphical Abstract**



#### Download English Version:

## https://daneshyari.com/en/article/10149979

Download Persian Version:

https://daneshyari.com/article/10149979

Daneshyari.com