

Accepted Manuscript

Title: Construction of network-like and flower-like 2H-MoSe₂ nanostructures coupled with porous g-C₃N₄ for noble-metal-free photocatalytic H₂ evolution under visible light

Authors: Deqian Zeng, Pengyuan Wu, Wee-Jun Ong, Baoshan Tang, Mingda Wu, Hongfei Zheng, Yuanzhi Chen, Dong-Liang Peng

PII: S0926-3373(18)30309-6
DOI: <https://doi.org/10.1016/j.apcatb.2018.03.102>
Reference: APCATB 16560

To appear in: *Applied Catalysis B: Environmental*

Received date: 15-11-2017
Revised date: 12-2-2018
Accepted date: 26-3-2018

Please cite this article as: Zeng D, Wu P, Ong W-Jun, Tang B, Wu M, Zheng H, Chen Y, Peng D-Liang, Construction of network-like and flower-like 2H-MoSe₂ nanostructures coupled with porous g-C₃N₄ for noble-metal-free photocatalytic H₂ evolution under visible light, *Applied Catalysis B: Environmental* (2018), <https://doi.org/10.1016/j.apcatb.2018.03.102>

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.



Construction of network-like and flower-like 2H-MoSe₂ nanostructures coupled with porous g-C₃N₄ for noble-metal-free photocatalytic H₂ evolution under visible light

Deqian Zeng ^{a,b}, Pengyuan Wu ^a, Wee-Jun Ong ^{b*}, Baoshan Tang ^c, Mingda Wu ^d, Hongfei Zheng ^a, Yuanzhi Chen ^{a*} and Dong-Liang Peng ^{a*}

^a *Department of Materials Science and Engineering, Collaborative Innovation Center of Chemistry for Energy Materials, College of Materials, Xiamen University, Xiamen 361005, China*

^b *Institute of Materials Research and Engineering (IMRE), Agency for Science, Technology and Research (A*STAR), 2 Fusionopolis Way, Innovis, Singapore 138634, Singapore*

^c *Department of Materials Science and Engineering, National University of Singapore, Singapore 117576, Singapore*

^d *School of Materials Science and Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798, Singapore*

*Corresponding author: ongweejun@gmail.com (Wee-Jun Ong), yuanzhi@xmu.edu.cn (Yuanzhi Chen), dlpeng@xmu.edu.cn (Dong-Liang Peng).

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/6498322>

Download Persian Version:

<https://daneshyari.com/article/6498322>

[Daneshyari.com](https://daneshyari.com)