

Accepted Manuscript

Title: Ordered graphitic carbon nitride tubular bundles with efficient electron-hole separation and enhanced photocatalytic performance for hydrogen generation

Authors: Xiaohui Dai, Zhenwei Han, Geoffrey I.N. Waterhouse, Hai Fan, Shiyun Ai



PII: S0926-860X(18)30432-0
DOI: <https://doi.org/10.1016/j.apcata.2018.09.001>
Reference: APCATA 16801

To appear in: *Applied Catalysis A: General*

Received date: 3-7-2018
Revised date: 28-8-2018
Accepted date: 3-9-2018

Please cite this article as: Dai X, Han Z, Waterhouse GIN, Fan H, Ai S, Ordered graphitic carbon nitride tubular bundles with efficient electron-hole separation and enhanced photocatalytic performance for hydrogen generation, *Applied Catalysis A, General* (2018), <https://doi.org/10.1016/j.apcata.2018.09.001>

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.

Ordered graphitic carbon nitride tubular bundles with efficient electron-hole separation and enhanced photocatalytic performance for hydrogen generation

Xiaohui Dai^a, Zhenwei Han^a, Geoffrey I.N. Waterhouse^b, Hai Fan^{a,*}, Shiyun Ai^{a,*}

^aCollege of Chemistry and Material Science, Shandong Agricultural University, Taian, 271018, Shandong, PR China

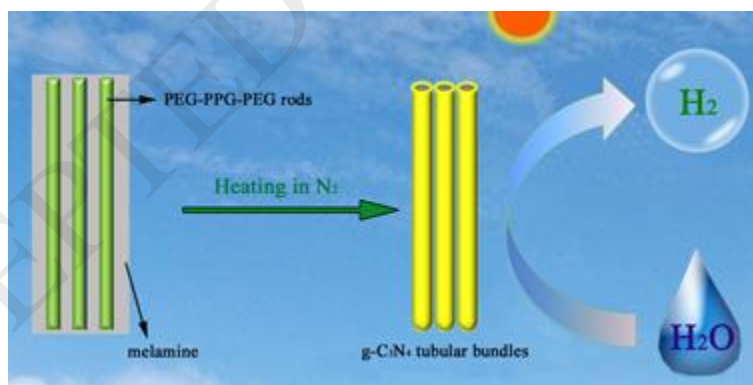
^bSchool of Chemical Sciences, The University of Auckland, Auckland 1142, New Zealand

*Corresponding authors:

E-mail address: fanhai@sdau.edu.cn (H. Fan)

ashy@sdau.edu.cn (S. Y. Ai)

Graphical Abstract



Ordered graphitic carbon nitride (g-C₃N₄) tubular bundles with enhanced photocatalytic H₂ generation performance were prepared by thermal polymerization of melamine and PEG-PPG-PEG complex microcrystals using the block copolymer PEG-PPG-PEG as a soft sacrificial template.

Download English Version:

<https://daneshyari.com/en/article/10130714>

Download Persian Version:

<https://daneshyari.com/article/10130714>

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