Title: *In situ* fabrication of hierarchically porous g-C_3N_4 and understanding on its enhanced photocatalytic activity based on energy absorption

Authors: Yudong Li, Zhaohui Ruan, Yanzhen He, Junzhuo Li, Kunqiao Li, Yanqiu Jiang, Xianzhu Xu, Yuan Yuan, Kaifeng Lin

PII: S0926-3373(18)30412-0
DOI: https://doi.org/10.1016/j.apcatb.2018.04.082
Reference: APCATB 16653

To appear in: *Applied Catalysis B: Environmental*

Received date: 17-1-2018
Revised date: 18-4-2018
Accepted date: 30-4-2018

Please cite this article as: Li Y, Ruan Z, He Y, Li J, Li K, Jiang Y, Xu X, Yuan Y, Lin K, *In situ* fabrication of hierarchically porous g-C_3N_4 and understanding on its enhanced photocatalytic activity based on energy absorption, *Applied Catalysis B: Environmental* (2010), https://doi.org/10.1016/j.apcatb.2018.04.082

In situ fabrication of hierarchically porous g-C_3N_4 and understanding on its enhanced photocatalytic activity based on energy absorption

Yudong Li,[1,a] Zhaohui Ruan,[1,b] Yanzhen He,[c] Junzhuo Li,[a] Kunqiao Li,[a] Yanqiu Jiang,*[,a] Xianzhu Xu,[a] Yuan Yuan,*[,b] and Kaifeng Lin*[,a,d]

[a]MIIT Key Laboratory of Critical Materials Technology for New Energy Conversion and Storage, School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin 150001, China.

[b]Key Laboratory of Aerospace Thermophysics, Ministry of Industry and Information Technology, School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China.

[c]School of Chemistry and Pharmaceutical Engineering, Qilu University of Technology, Jinan 250353, China.

[d]Key Laboratory of Advanced Energy Materials Chemistry (Ministry of Education), Nankai University, Tianjin 300071, China.

[1]Y. Li and Z. Ruan contributed equally to this work.

Email: jiangyanqiu@hit.edu.cn (Jiang Y)

Email: linkaifeng@hit.edu.cn (Lin K)

Email: yuanyuan83@hit.edu.cn (Yuan Y)

GRAPHICAL ABSTRACT