Accepted Manuscript

Control of energy band, layer structure and vacancy defect of graphitic carbon nitride by intercalated hydrogen bond effect of NO_3^- toward improving photocatalytic performance

Huinan Che, Lihui Liu, Guangbo Che, Hongjun Dong, Chunbo Liu, Chunmei Li

PII: S1385-8947(18)31829-1
DOI: https://doi.org/10.1016/j.cej.2018.09.112
Reference: CEJ 19951

To appear in: *Chemical Engineering Journal*

Received Date: 1 July 2018
Revised Date: 11 September 2018
Accepted Date: 14 September 2018

Please cite this article as: H. Che, L. Liu, G. Che, H. Dong, C. Liu, C. Li, Control of energy band, layer structure and vacancy defect of graphitic carbon nitride by intercalated hydrogen bond effect of NO_3^- toward improving photocatalytic performance, *Chemical Engineering Journal* (2018), doi: https://doi.org/10.1016/j.cej.2018.09.112

Control of energy band, layer structure and vacancy defect of graphitic carbon nitride by intercalated hydrogen bond effect of NO_3^- toward improving photocatalytic performance

Huinan Che †[a], Lihui Liu †[b], Guangbo Che [c], Hongjun Dong [b], Chunbo Liu [b, *], Chunmei Li [b, *]

[a]*School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang, 212013, P. R. China*

[b]*Institute of Green Chemistry and Chemical Technology, School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang, 212013, P. R. China*

[c]*Key Laboratory of Preparation and Applications of Environmental Friendly Materials, Jilin Normal University, Ministry of Education, Changchun 130103, P. R. China*

**Corresponding author: Tel.: +86 511 8879 0885 Fax: +86 511 8879 1108*

E-mail: liucb@ujs.edu.cn (C. Liu); lichun_mei_happy@126.com. (C. Li)