Electronic Supplementary Material (ESI) for RSC Advances.

Construction of 2D/2D layered g-C_3N_4/$Bi_{12}O_{17}Cl_2$ hybrid material with matched energy band structure and its improved photocatalytic performance

Lei Shi [a]*, Weiwei Si [a], Fangxiao Wang [c] and Wei Qi [b]*

a: College of Chemistry, Chemical Engineering and Environmental Engineering, Liaoning Shihua University, Fushun 113001, China

b: Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, Shenyang 110016, China

c: College of Chemistry, Chemical Engineering and Material Science, Shandong Normal University, Jinan 250014, China

*Corresponding author: Lei Shi, shilei_hit@qq.com; Wei Qi, wqi@imr.ac.cn

Tel: +86-02456861842

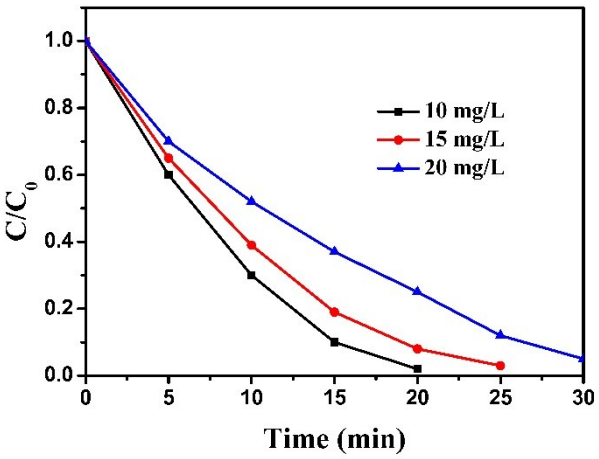

Fig. S1 The photodegradation curves of various concentration of RhB over g-$C_3N_4/Bi_{12}O_{17}Cl_2$ (3 wt%)

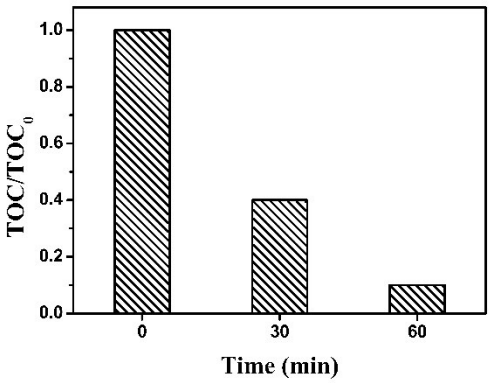

Fig. S2 TOC removal during RhB degradation over g-$C_3N_4/Bi_{12}O_{17}Cl_2$ (3 wt%)

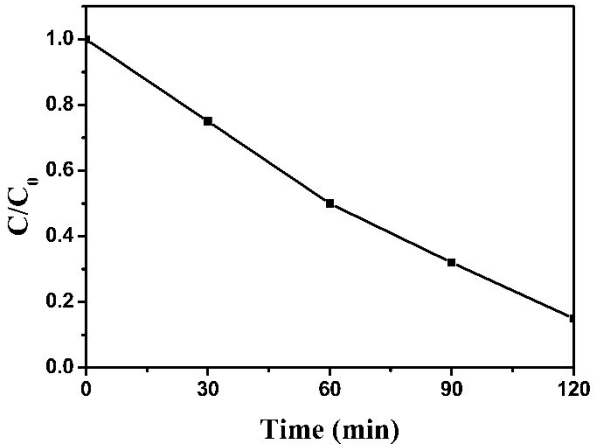

Fig. S3 The photodegradation curve of MO over g-C_3N_4/$Bi_{12}O_{17}Cl_2$ (3 wt%)