Electronic Supplementary Information

Tuning the surface charge of graphene for self-assembly synthesis of $SnNb_2O_6$ nanosheets-graphene (2D-2D) nanocomposite with enhanced visible light photoactivity

Lan Yuan,[†,‡] Min-Quan Yang,[†,‡] and Yi-Jun Xu [†,‡,]*

[†] *State Key Laboratory of Photocatalysis on Energy and Environment, College of Chemistry and Chemical Engineering, Fuzhou University, Fuzhou, 350002, P. R. China*

[‡] *College of Chemistry and Chemical Engineering, New Campus, Fuzhou University, Fuzhou, 350108, P. R. China*

[*] *Corresponding Author. Tel./Fax: +86 591 83779326; E-mail: yjxu@fzu.edu.cn*

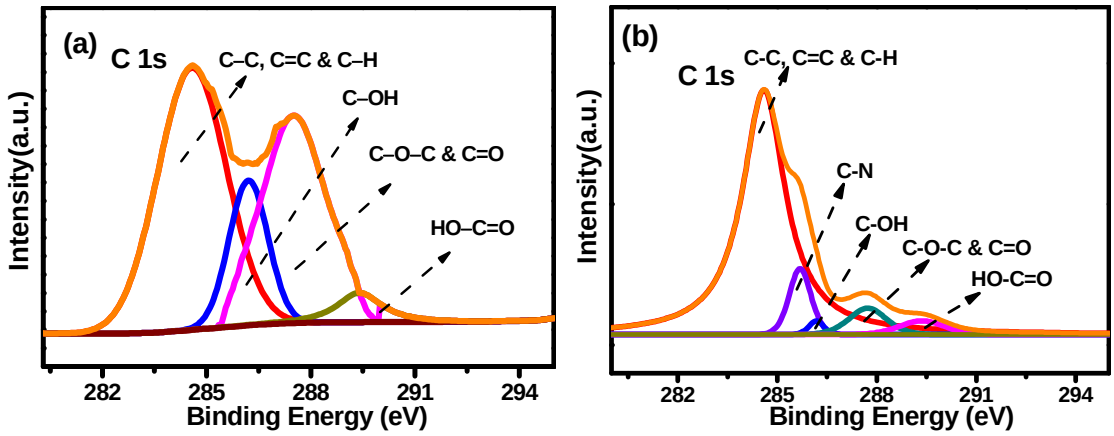

Fig. S1 C 1s X-ray photoelectron spectra (XPS) of GO (a) and BPEI modified GR (b).

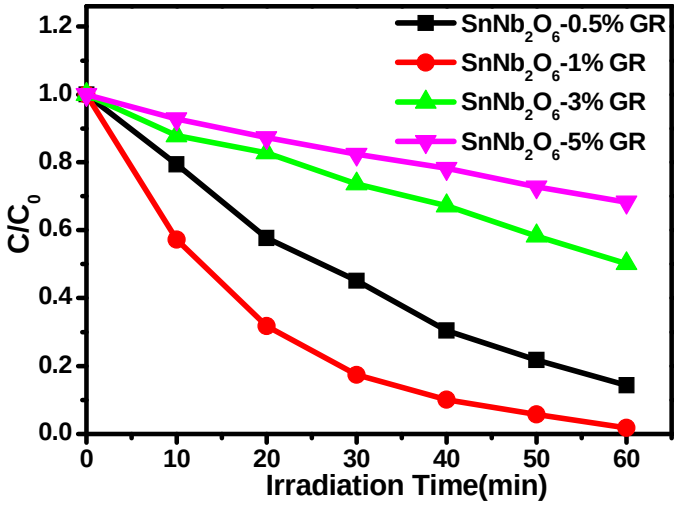

Fig. S2 Photocatalytic degradation of RhB over the samples of $SnNb_2O_6$-GR with different weight additions of GR.

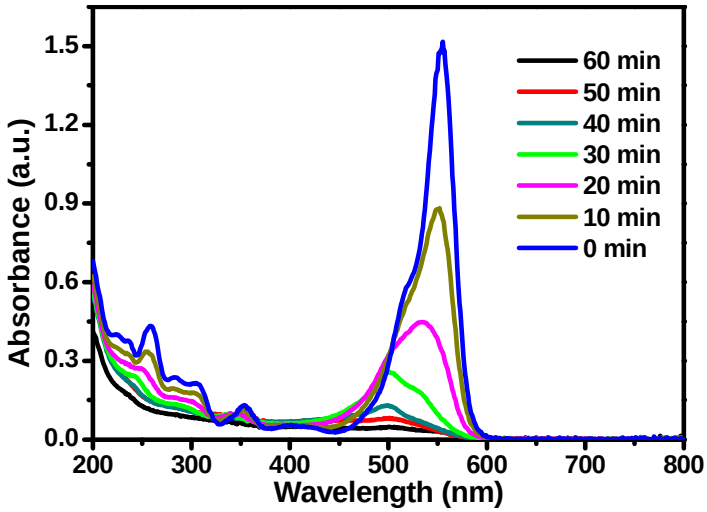

Fig. S3 UV−vis absorption spectra of RhB aqueous solution in the presence of $SnNb_2O_6$-GR nanocomposite under visible light irradiation.