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Efficient synthesis of polymeric g-C_3N_4 layered materials as novel efficient visible light driven photocatalyst

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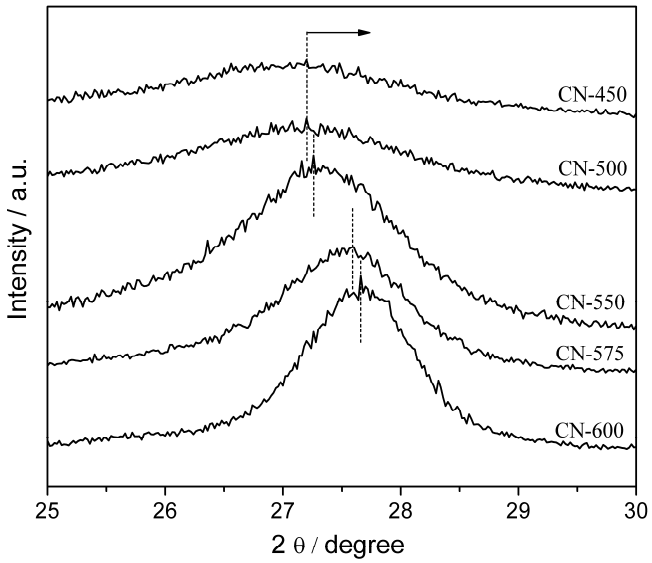

Fig. S1 Enlarged view of XRD patterns in the range of 25-30 degree of g-C_3N_4 obtained under different temperatures

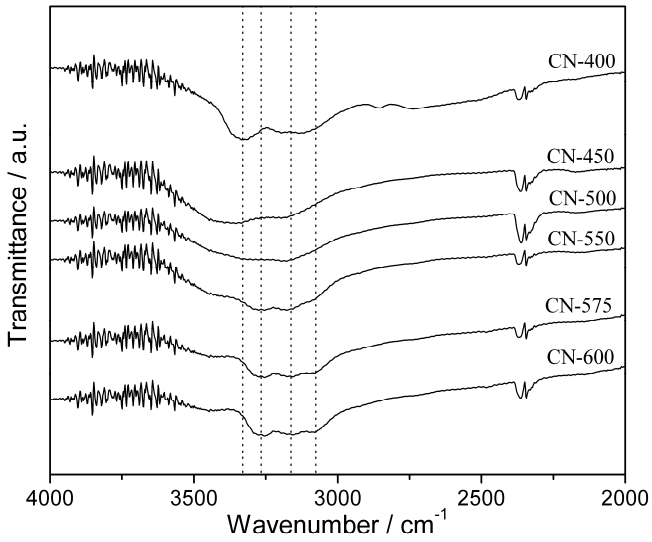

Fig. S2 FT-IR spectra in the range of 2000-4000 cm^{-1} of g-C_3N_4 obtained under different temperatures

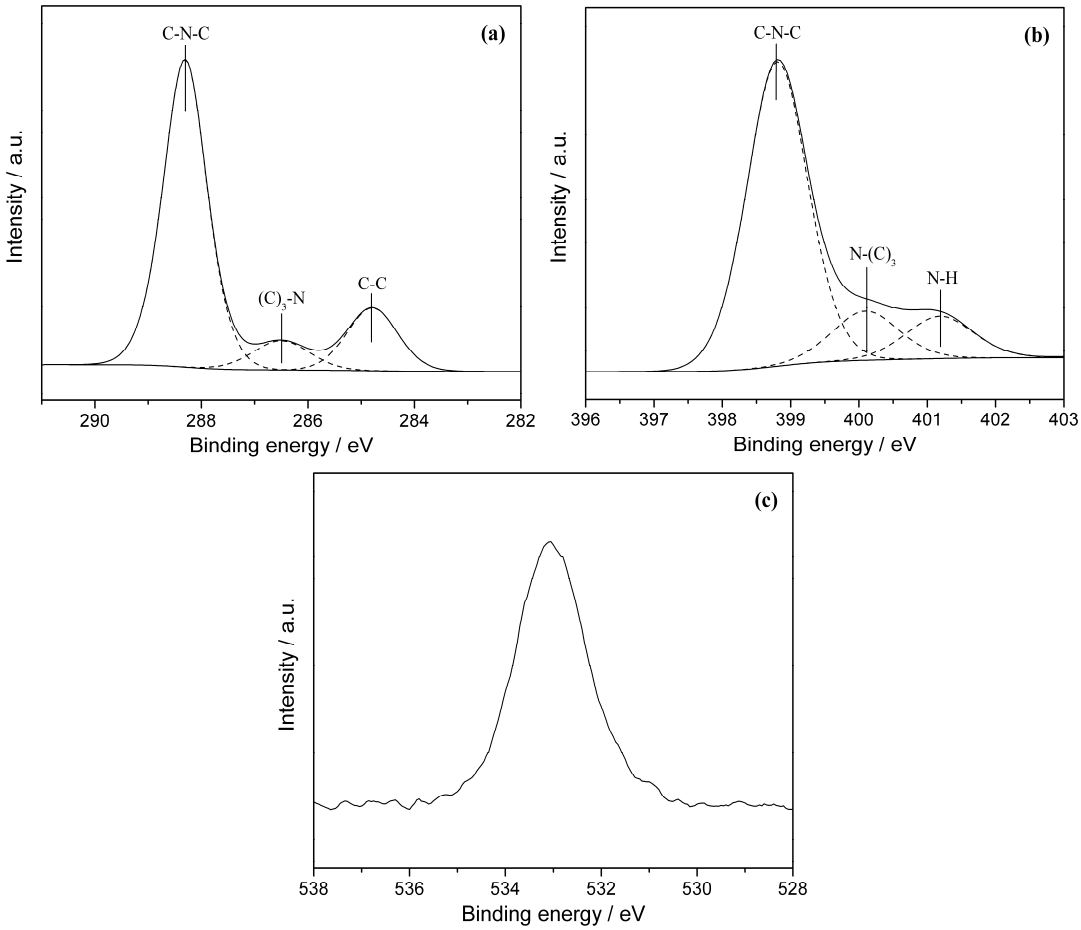

Fig. S3 XPS spectra of C1s (a), N1s (b) and O1s (c) for CN-575 sample.

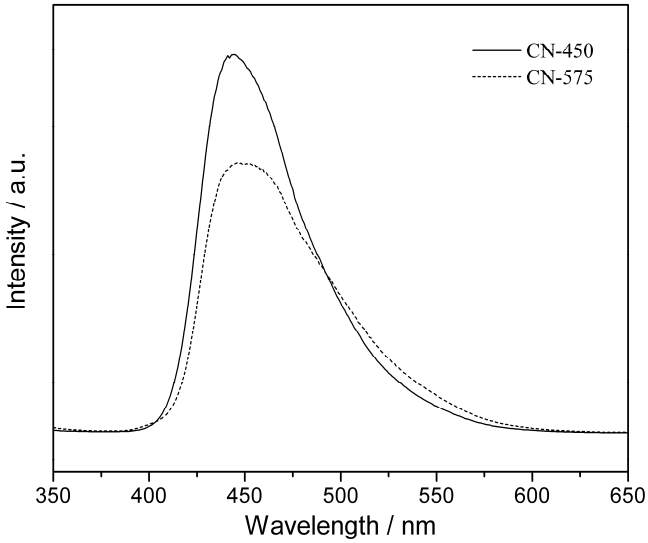

Fig. S4 Room temperature PL of CN-450 and CN-575 samples (excitation light source: 280 nm)

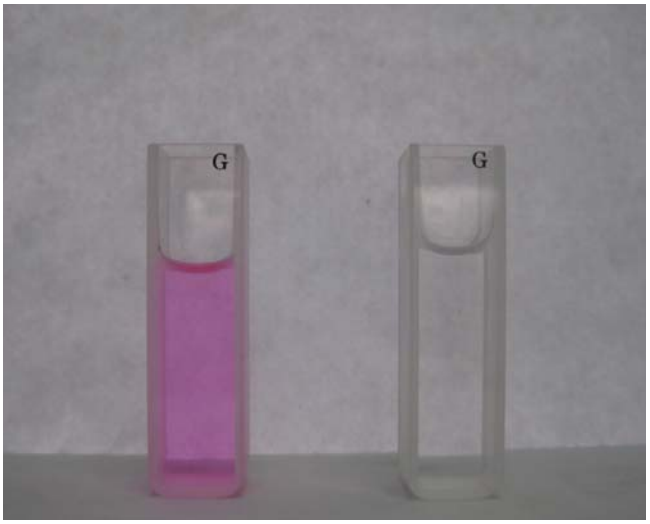

Fig. S5 Image of RhB solution before and after irradiation over CN550 sample