Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary data

In Situ Construction of SnO_2/g-C_3N_4heterojunction for Enhanced Visible-Light Photocatalytic Activity

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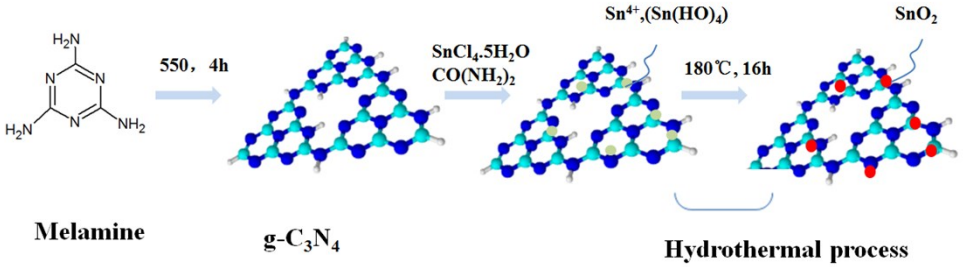

Figure S1. Schematic representation of the in situ deposition of SnO_2 nanoparticles on the layered g-C_3N_4 sheet.

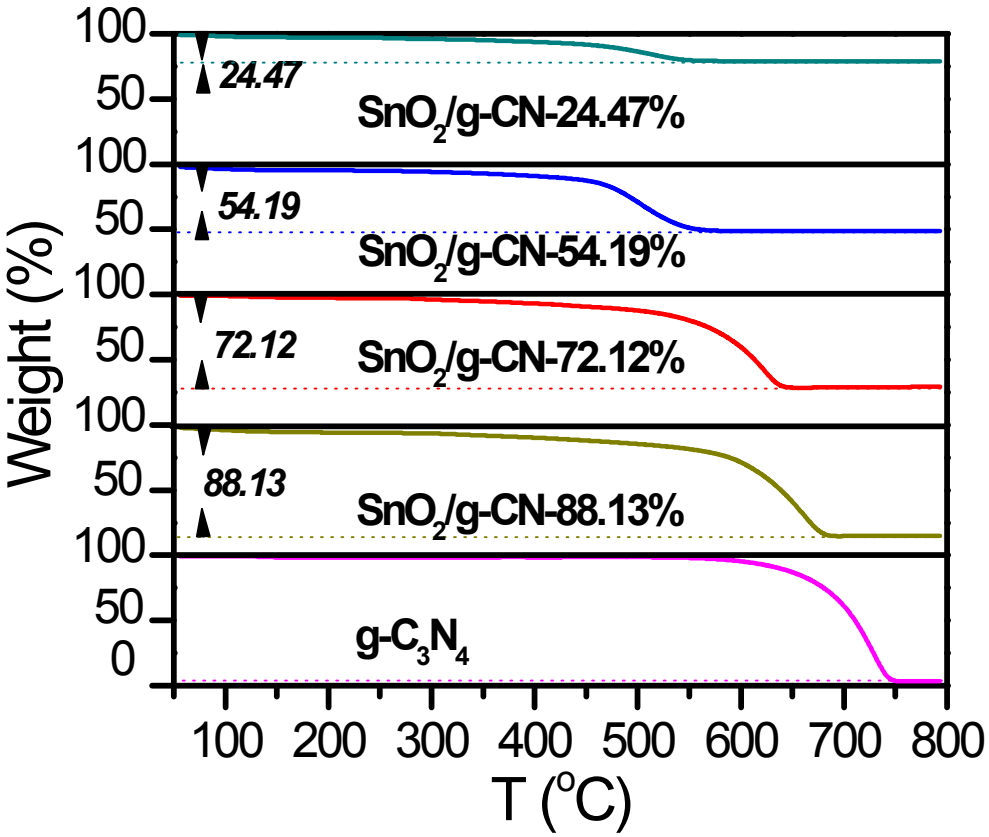

Figure S1. TG analyses for pure g-C_3N_4, SnO_2/g-CN-88.13%, SnO_2/g-CN-72.12%, SnO_2/g-CN-54.19%, and SnO_2/g-CN-24.47%.

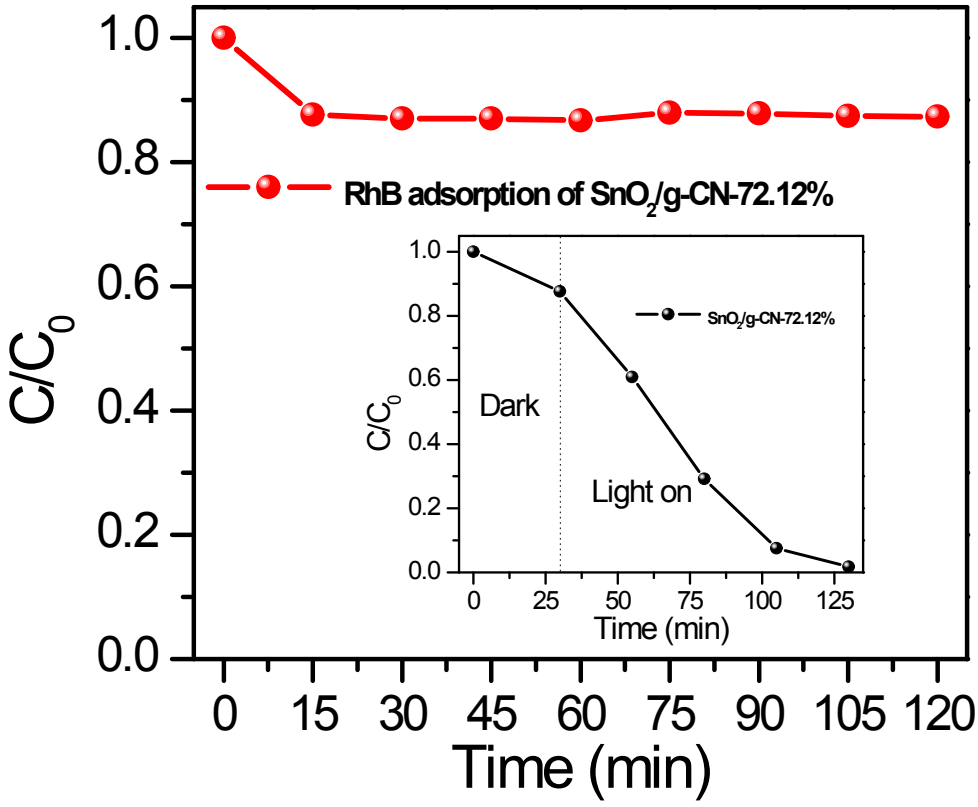

Figure S2. RhB adsorption of SnO_2/g-CN-72.12% photocatalysts in the dark. Inset shows RhB adsorption and degradation in the dark and light irradiation, respectively.

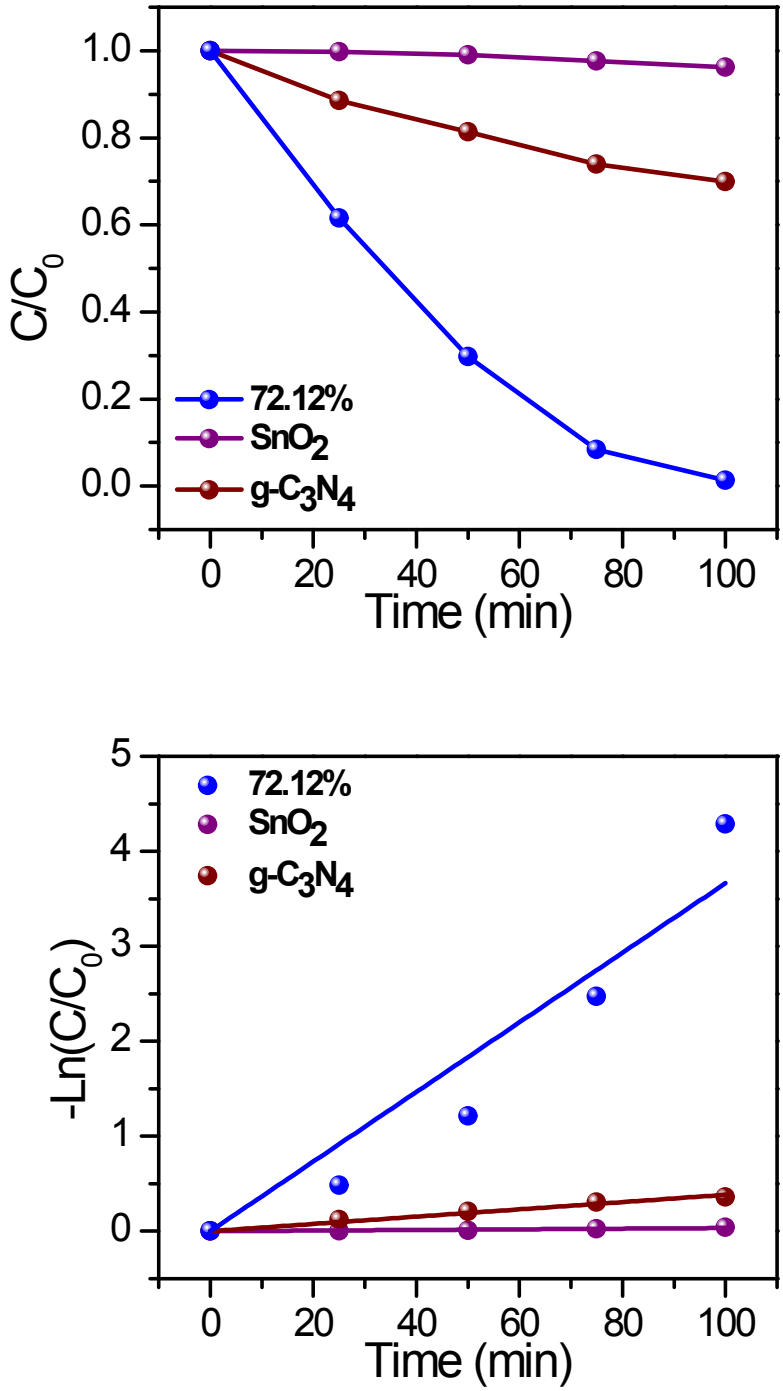

Figure S3. (a) Degradation rate of RhB under visible-light irradiation (>420 nm) with the presence of pure g-C_3N_4, SnO_2 and SnO_2/g-CN-72.12% nanocomposites.(b) a natural logarithm C_0/C fitting curves of all samples.