Au nanoparticles homogeneously decorated C@TiO$_2$ for enhanced visible-light-driven photocatalytic activity

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Figure S1 HRTEM images of C@TiO$_2$
Figure S2 XRD patterns of C@TiO₂ and Au-C@TiO₂

Fig. S3 (a) N₂ adsorption-desorption isotherms. (b) Barrett-joyner-halenda pore-size distribution.
Fig. S4 (a) Photodegradation of RhB ($1 \times 10^{-5}$M, 80 mL) in the absence of photocatalyst under visible light irradiation. (b) UV-Vis absorption spectra of RhB solution as a function of irradiation time.