

Supplementary Materials: Preparation of TiO₂/Carbon Nanotubes/Reduced Graphene Oxide Composites with Enhanced Photocatalytic Activity for the Removal of Rhodamine B

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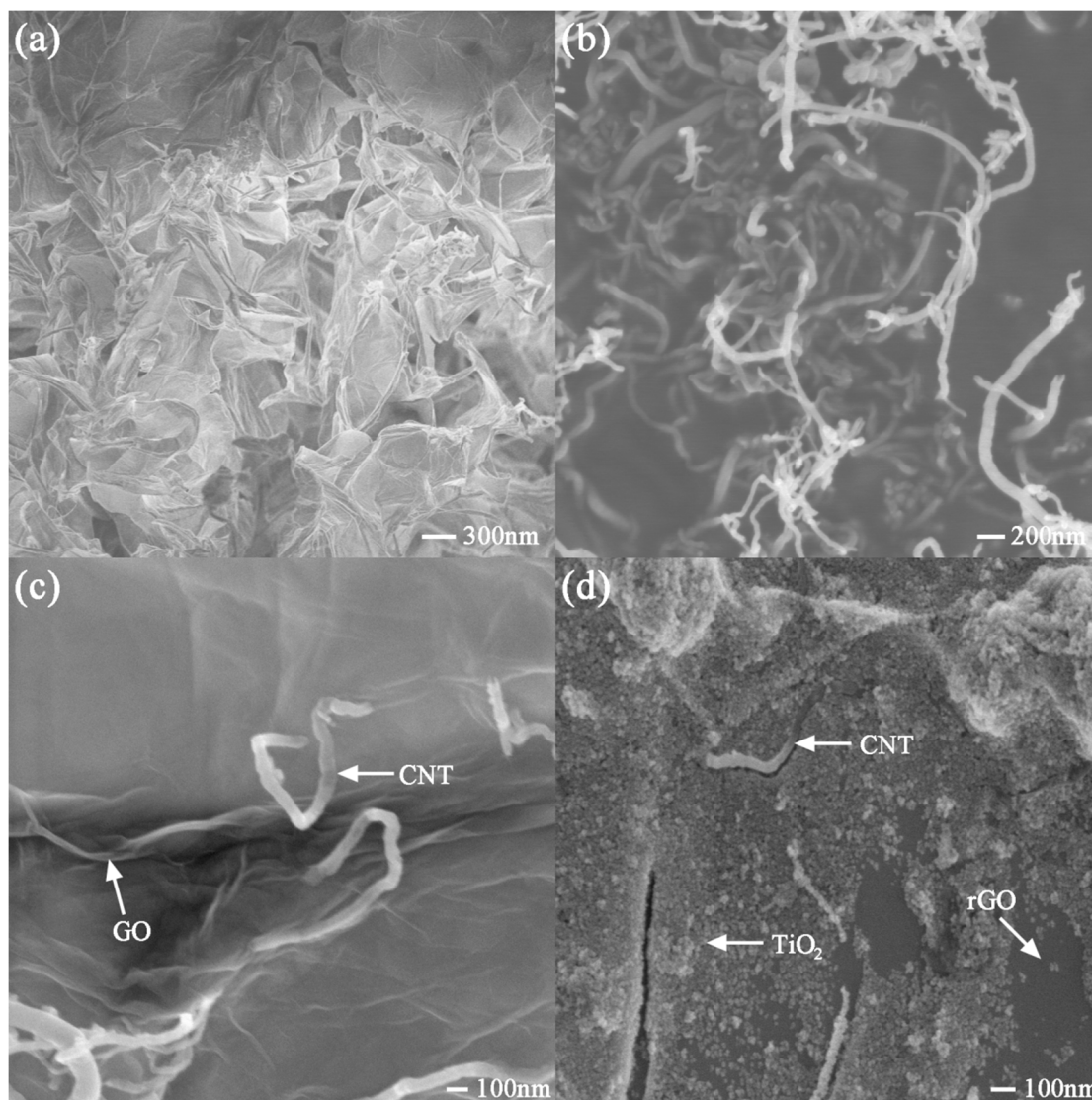


Figure S1. The SEM images of GO, oxide-treated CNTs, CNTs/GO, TiO₂/CNTs/rGO-3%.

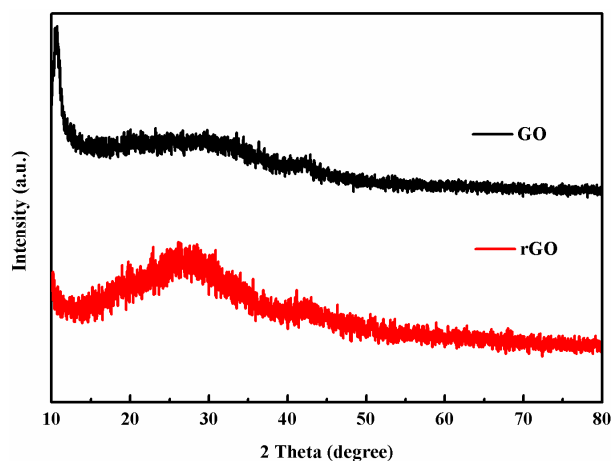


Figure S2. The XRD patterns of rGO and GO.

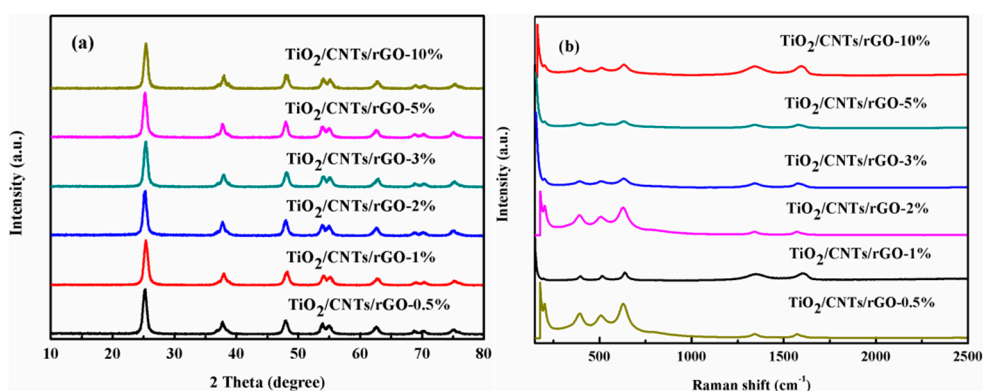


Figure S3. (a) The XRD patterns of $\text{TiO}_2/\text{CNTs}/\text{rGO}-x\%$ ($x = 0.5, 1, 2, 3, 5, 10$); (b) The Raman spectra of $\text{TiO}_2/\text{CNTs}/\text{rGO}-x\%$ ($x = 0.5, 1, 2, 3, 5, 10$).

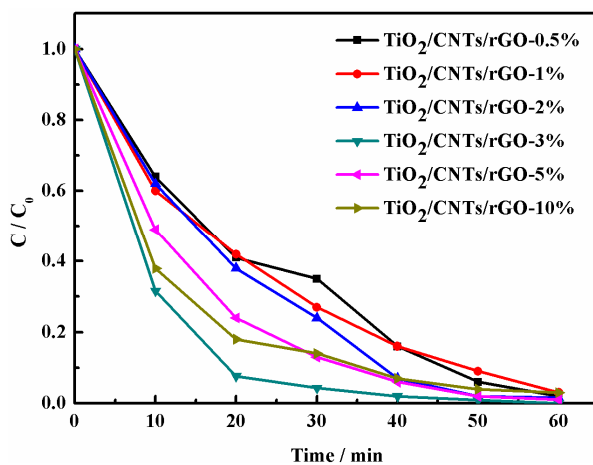


Figure S4. Plot of C/C_0 vs irradiation time of RhB degradation for $\text{TiO}_2/\text{CNTs}/\text{rGO}-x\%$ ($x = 0.5, 1, 2, 3, 5, 10$).



Figure S5. The color change of RhB solution from 0, 10, 20, 30, 40, 50, 60 min under UV-vis light (from left to right) .