

Support Information

Fabrication of recyclable rGO/CNQDs aerogel hybrids with enhanced photocatalytic activity

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1. Sample preparation

Synthesis of CNQDs: Briefly, urea and sodium citrate (18:1) were dissolved in 1.5 mL of deionized water, and kept it at 180 °C for 8 h. The product was purified with a 0.22 μm filter membrane to remove the insoluble precipitate, and further diluted to 50 mL to prepare CNQDs suspensions (5.0 mg mL^{-1}).

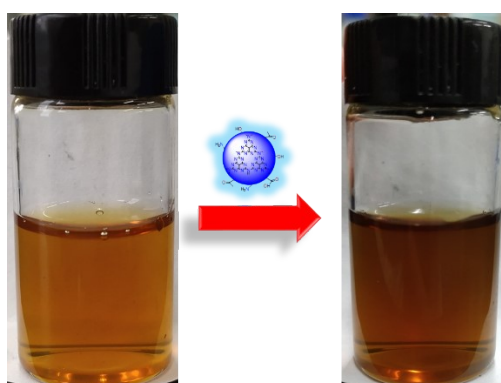


Fig. S1 The color change of graphene oxide

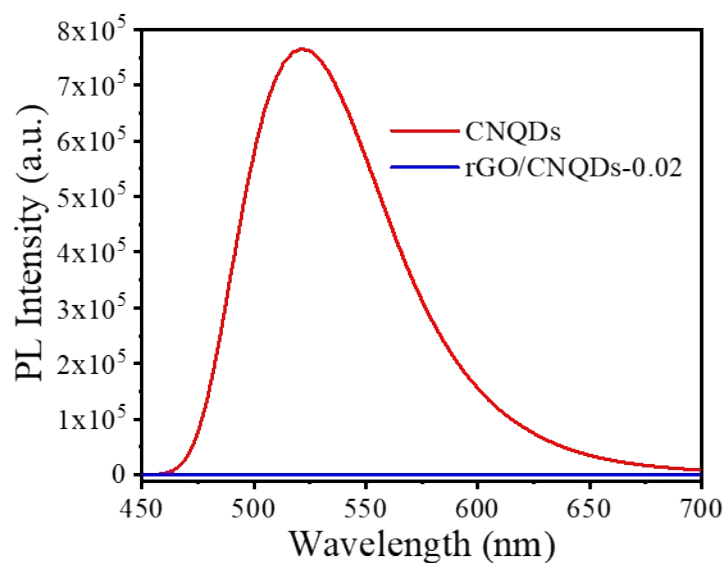


Fig. S2 PL emission spectra of as-prepare samples under excitation wavelength at 360 nm

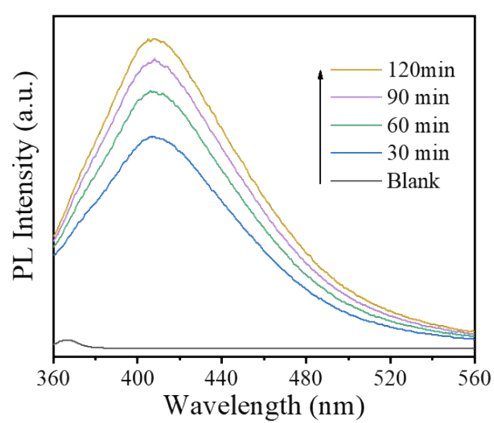


Fig. S3 PL spectral of TA solution in presence of rGO/CNQDs-0.02 under visible-light irradiation (excitation at 315 nm)