

Supporting information

Cobalt-doped graphitic carbon nitride with enhanced peroxidase-like activity for wastewater treatment

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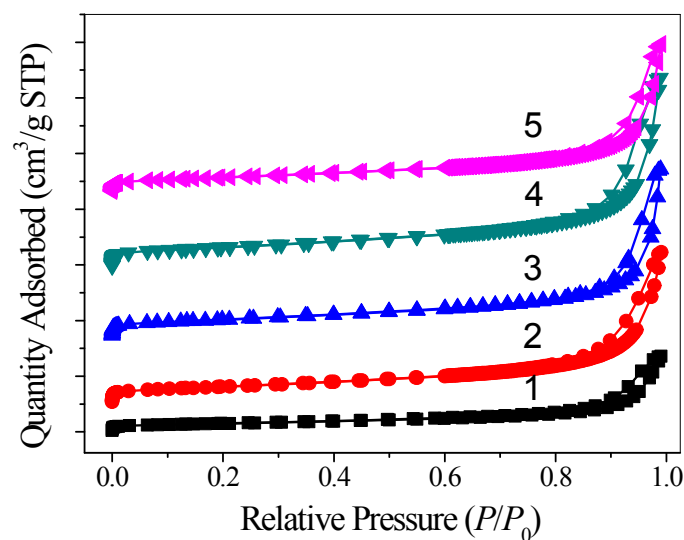


Fig. S1 N₂ adsorption–desorption isothermal curves of g-C₃N₄ and Co-g-C₃N₄ materials. 1, g-C₃N₄; 2, Co-g-C₃N₄-1; 3, Co-g-C₃N₄-2; 4, Co-g-C₃N₄-3; 5, Co-g-C₃N₄-4.

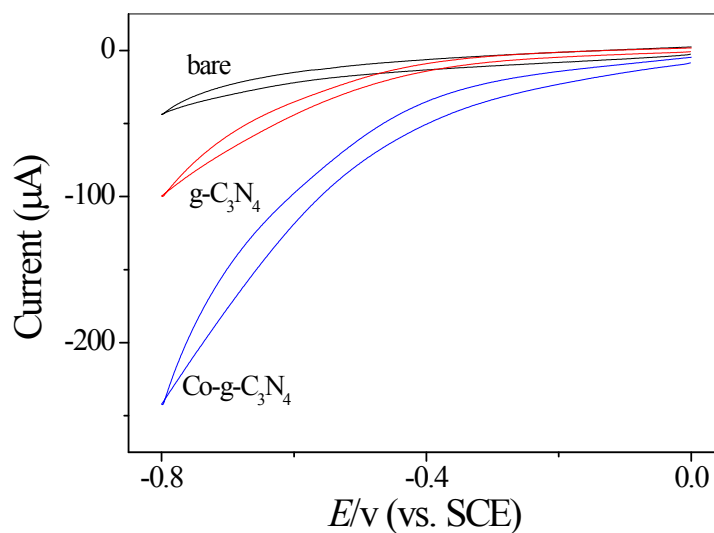


Fig. S2 Cyclic voltammograms of the bare electrode, g-C₃N₄ and Co-g-C₃N₄-2 modified electrode. Conditions: 20 mM H₂O₂ in 100 mM phosphate-citric buffer (pH 4.5).

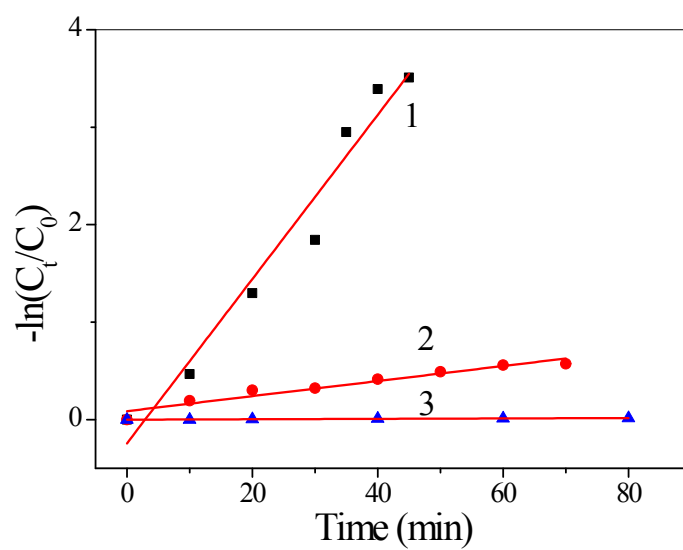


Fig. S3 Plots of $\ln(C_t/C_0)$ versus time of rhodamine B degradation under different conditions. 1, Co-g- $C_3N_4+H_2O_2$; 2, g- $C_3N_4+ H_2O_2$; 3, H_2O_2 .