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$_3$N$_4$+H$_2$O$_2$; 2, g-C$_3$N$_4$+ H$_2$O$_2$; 3, H$_2$O$_2$. 