

Supplementary Information

Cobalt ferrite-polyaniline heteroarchitecture: A magnetically recyclable photocatalyst with highly enhanced performances

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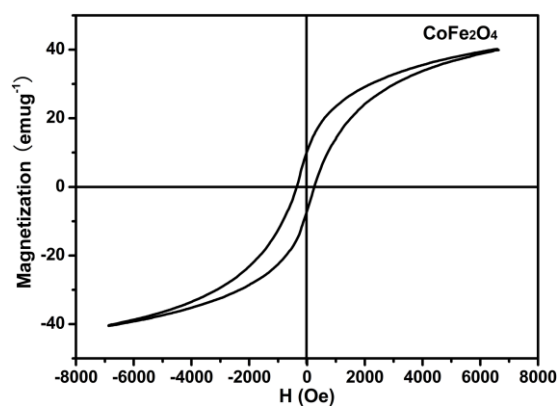


Fig. S1 Magnetic hysteresis loop of pure CoFe₂O₄.

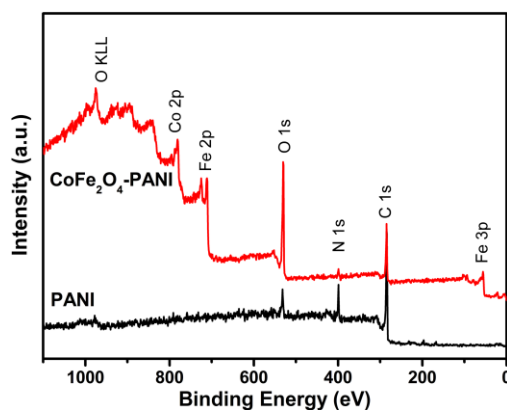


Fig. S2 The survey XPS spectra of PANI and CoFe₂O₄-PANI.

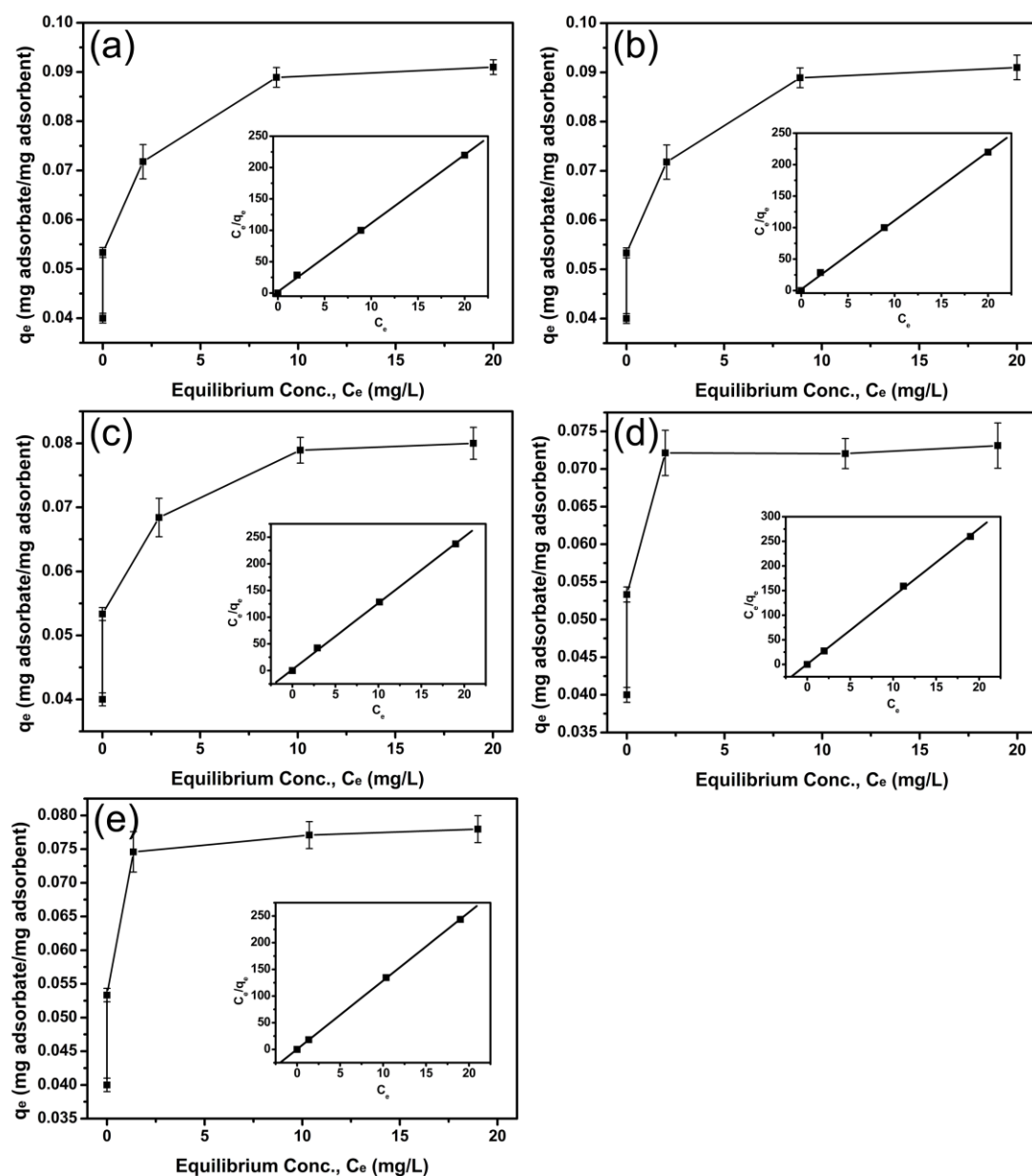


Fig. S3 The adsorption curves of dyes in the presence of CoFe₂O₄-PANI: (a) AB, (b) AY, (c) NY, (d) RB, (e) RY.

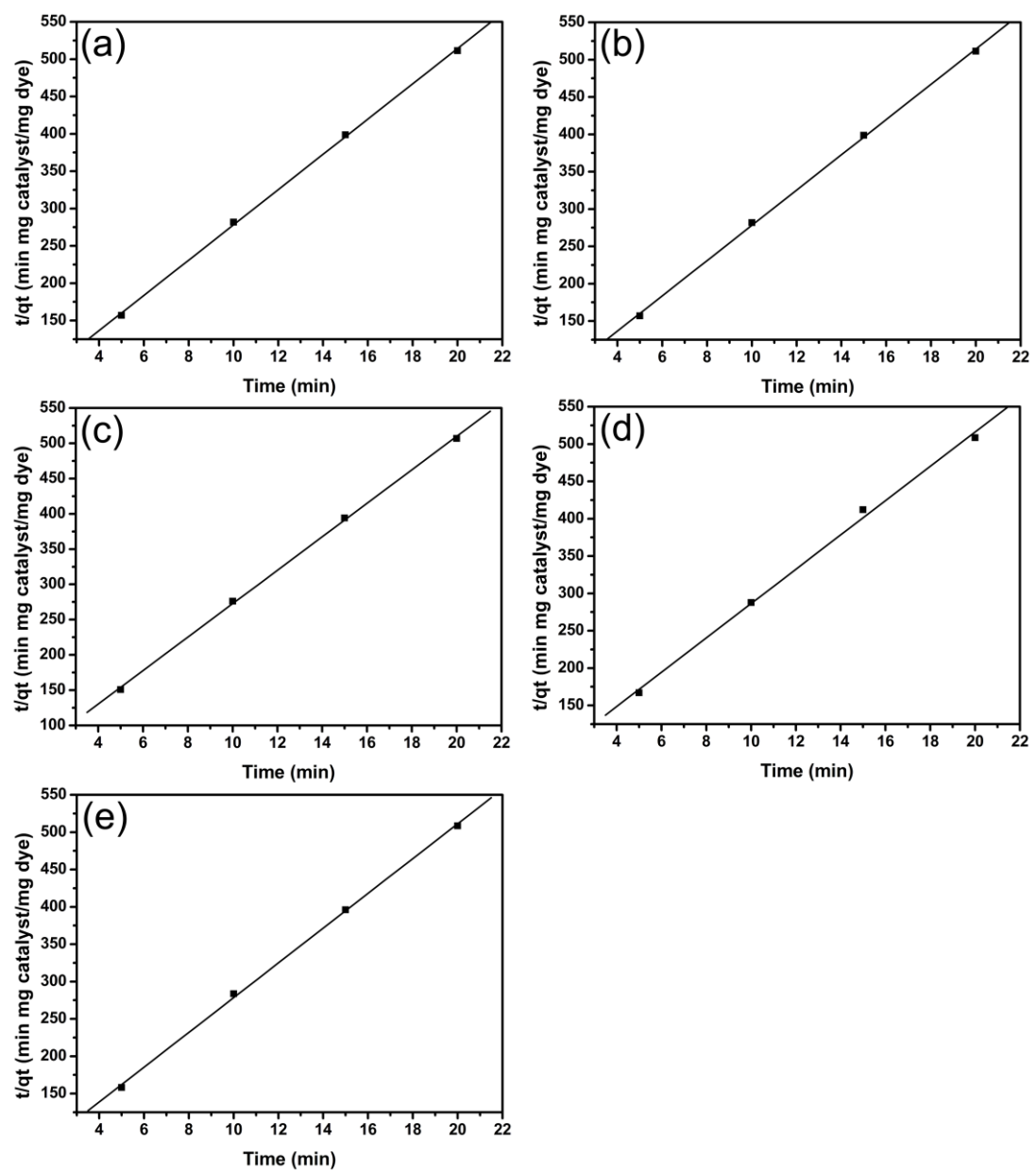


Fig. S4 The adsorption kinetic of dyes in the presence of CoFe₂O₄-PANI: (a) AB, (b) AY, (c) NY, (d) RB, (e) RY.

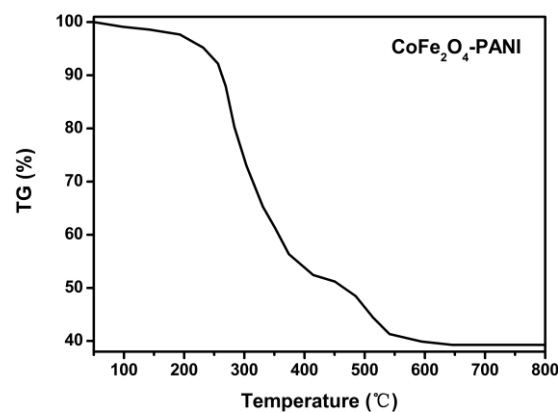


Fig. S5 The TG spectra of CoFe₂O₄-PANI.

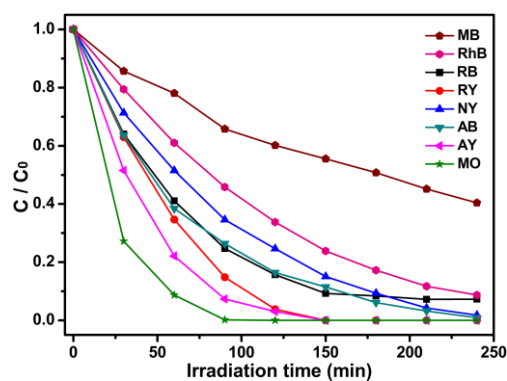


Fig. S6 The photodegradation of dyes under UV light irradiation.

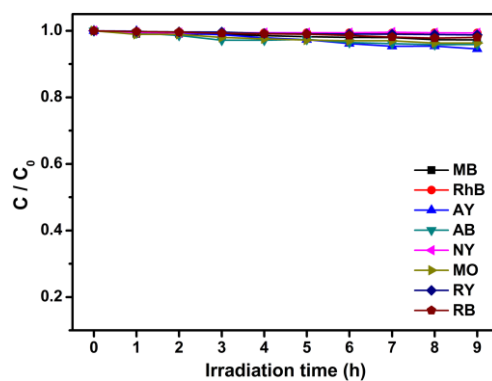


Fig. S7 The photodegradation of dyes in the absence of photocatalysts under visible light irradiation.

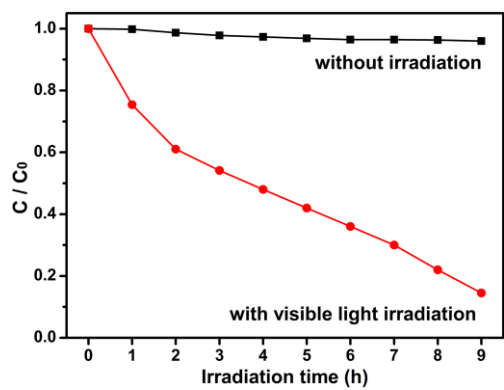


Fig. S8 The photodegradation of MO in the absence of $\text{CoFe}_2\text{O}_4\text{-PANI}$ under visible light irradiation and without irradiation.