

Figure S1. TEM analyses, (a) morphology image of Fe_3O_4 and (b) morphology image of $\text{Fe}_3\text{O}_4@1$.

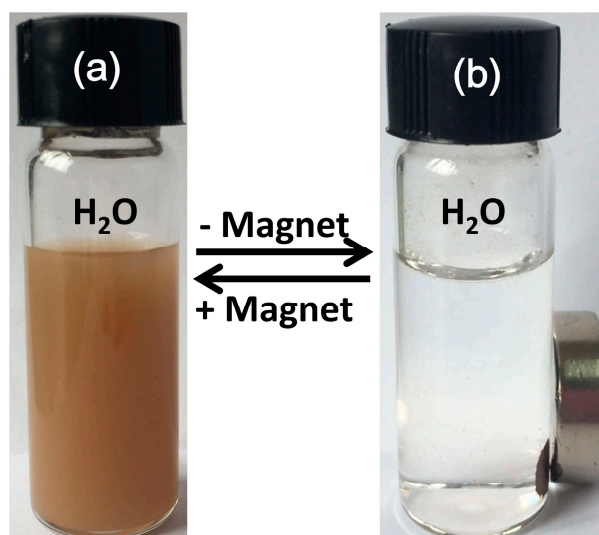


Figure S2. Photographs of the dispersion-collection process of $\text{Fe}_3\text{O}_4@1$ in water.

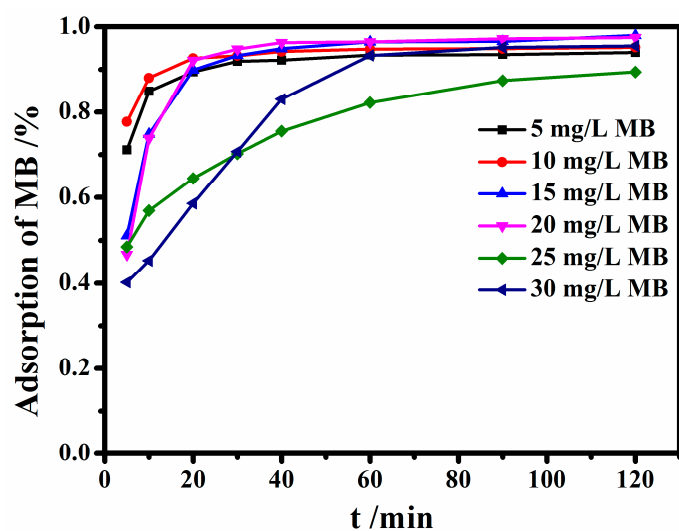


Figure S3. Adsorption capacity of $\text{Fe}_3\text{O}_4@1$ with various initial concentrations of MB in solution.

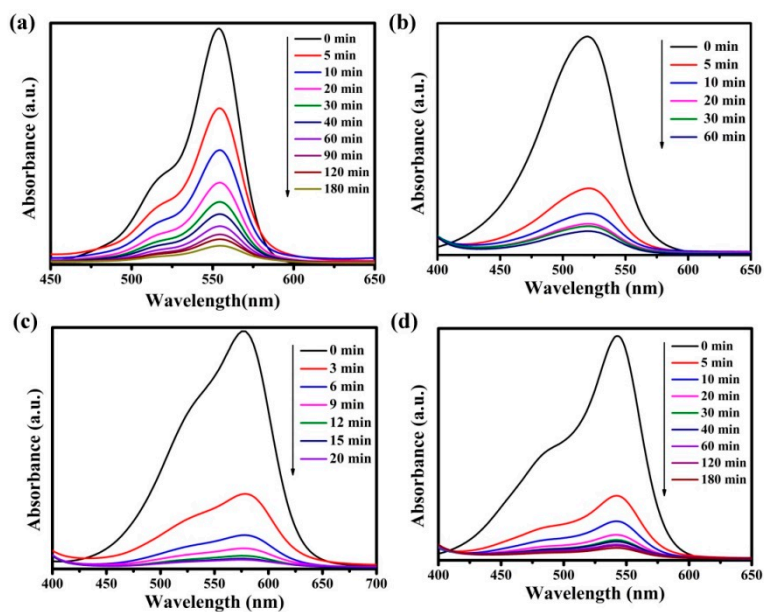


Figure S4. Adsorption spectra of the RhB solution (a); the T solution (b); the GV solution (c) and the FB solution (d) under the dark in presence of $\text{Fe}_3\text{O}_4@1$.