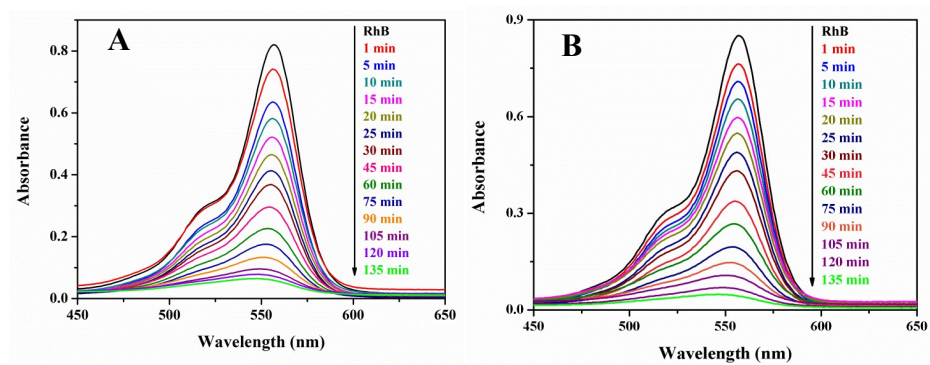
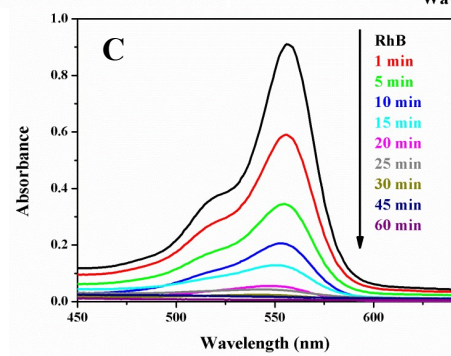


1 Supporting information

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5 **Figure S1.** UV-Vis spectra of the RhB photo-Fenton degradation a) Fe₃O₄ ~700 nm; b)

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Fe₃O₄ ~350 nm and c) Fe₃O₄ ~100 nm