Supplementary information

Preparation of recyclable magnetic catalyst (Pd/PDA@Fe_3O_4) and the catalytic degradation of 4-nitrophenol and Rhodamine B

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This supplementary information contains:

number of pages: 8

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Figure S1. (a) Degradation effects of Pd/PDA@Fe_3O_4, PDA@Fe_3O_4, Pd, Fe_3O_4 and PDA systems on 4-nitrophenol; (b) Comparison of 4-nitrophenol degradation without $NaBH_4$

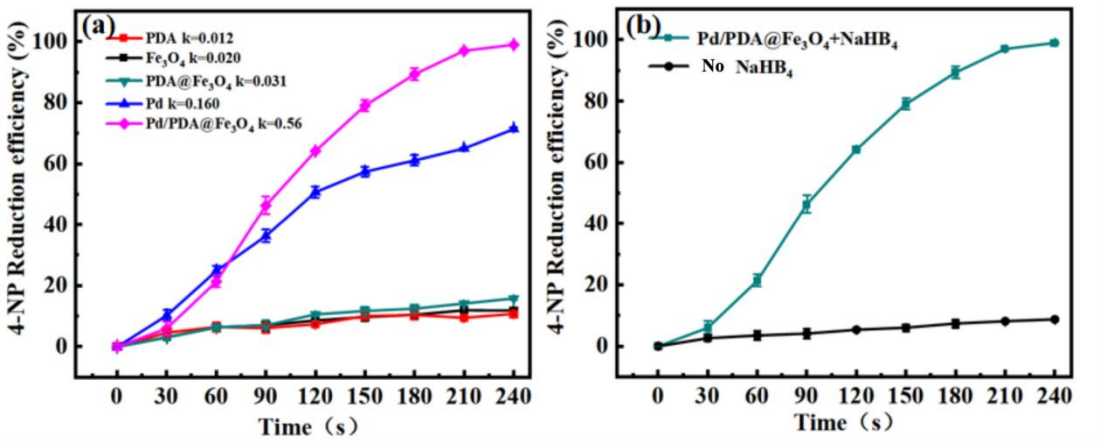


Figure S2. 4-NP catalytic reduction of (a)UV-vis spectra and (b) color change of catalytic reduction

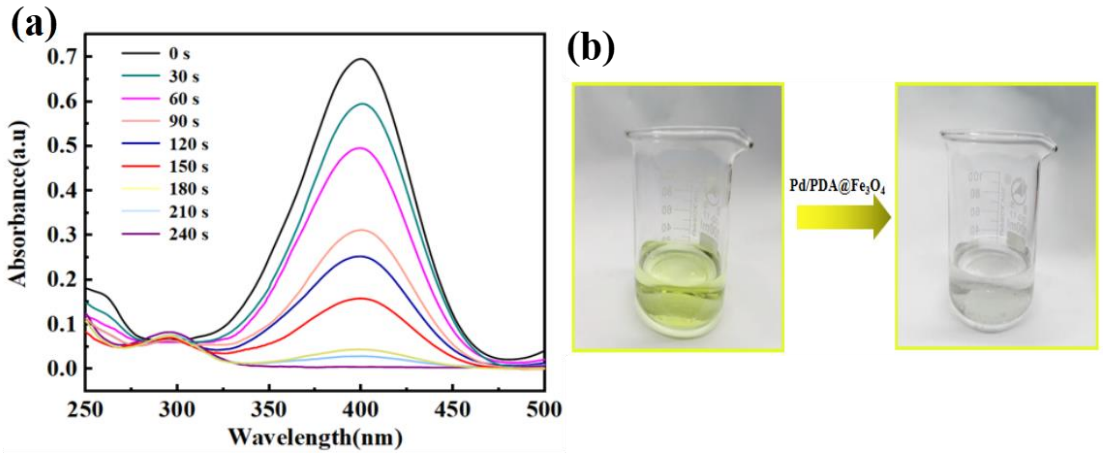


Figure S3. UV-Vis spectra of catalytic reduction of 4-NP

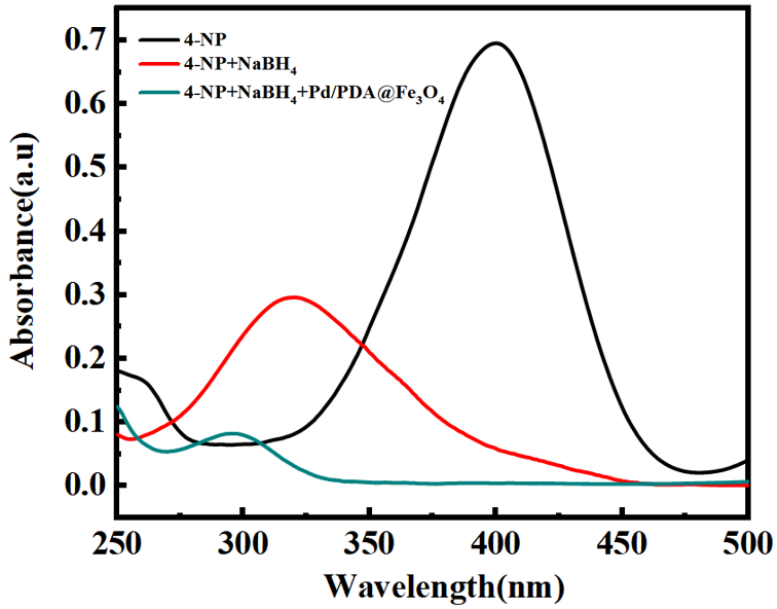


Figure S4. RhB catalytic reduction of (a)UV-vis spectra and (b) color change of catalytic reduction

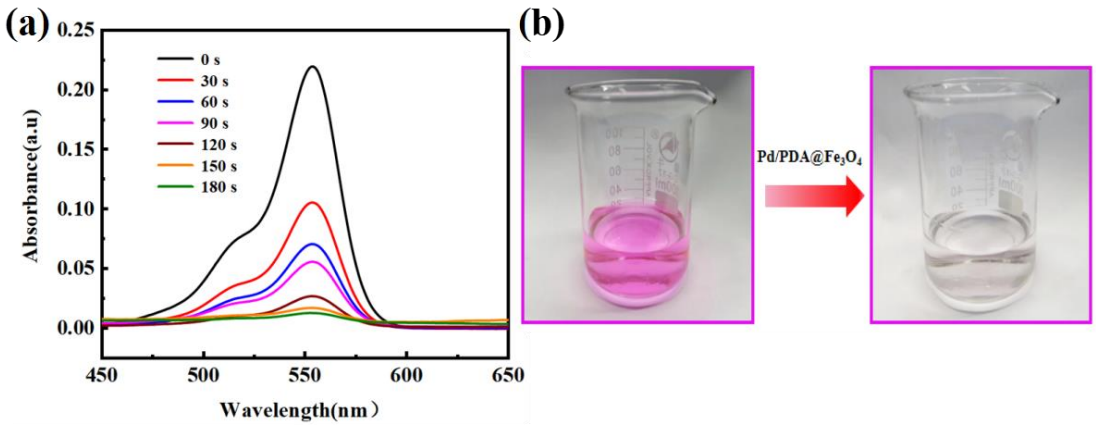


Figure S5. (a) UV scanning spectra and (b) color change of catalytic reduction by mixed pollutants

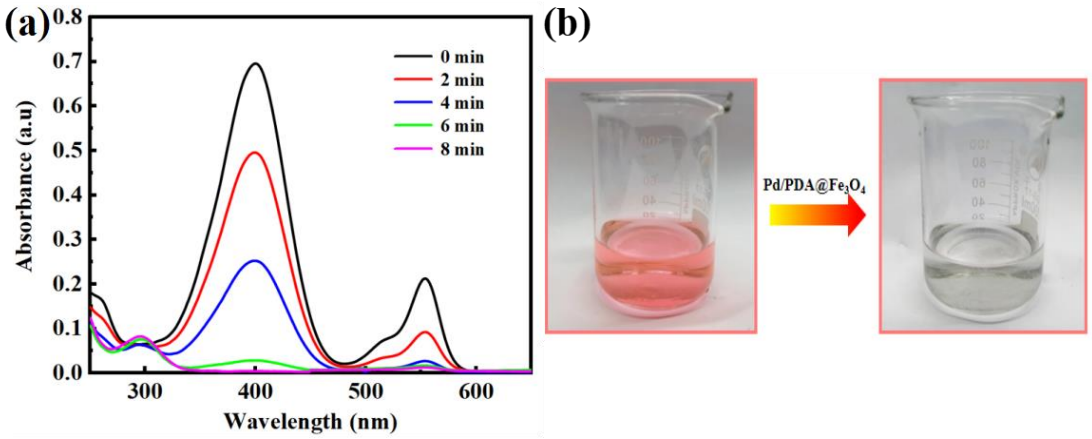


Figure S6. Comparison of the catalytic reduction efficiency of (a)4-NP and mixed dyes 4-NP; (b)RhB and mixed dyes RhB; (c)4-NP and RhB mixed dyes

