

Highly Efficient, Low-Cost, and Magnetically Recoverable FePt–Ag Nanocatalysts: Towards Green Reduction of Organic Dyes

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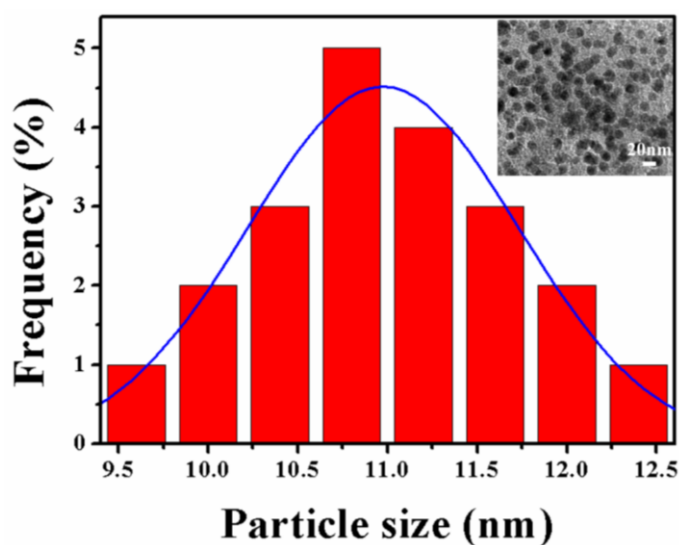


Figure S1. Histogram of the pure FePt nanocrystals particle size. Inset shows the corresponding TEM images of the pure FePt nanocrystals.

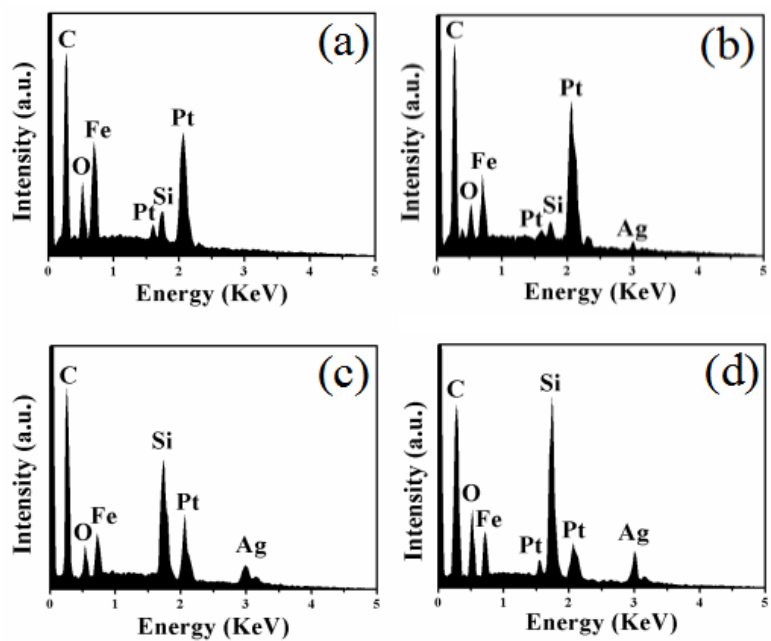


Figure S2. Energy-dispersive spectroscopy (EDS) spectra of FePt (a), FePt-Ag 10 mg-60 mL (b), FePt-Ag 10 mg-90 mL (c) and FePt-Ag 10 mg-120 mL (d).

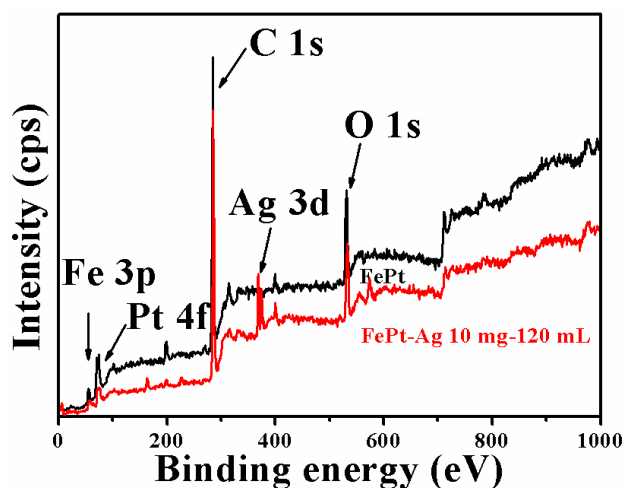


Figure S3. XPS survey scan spectra of pure FePt nanocrystals and FePt-Ag 10 mg-120 mL nanocomposites.

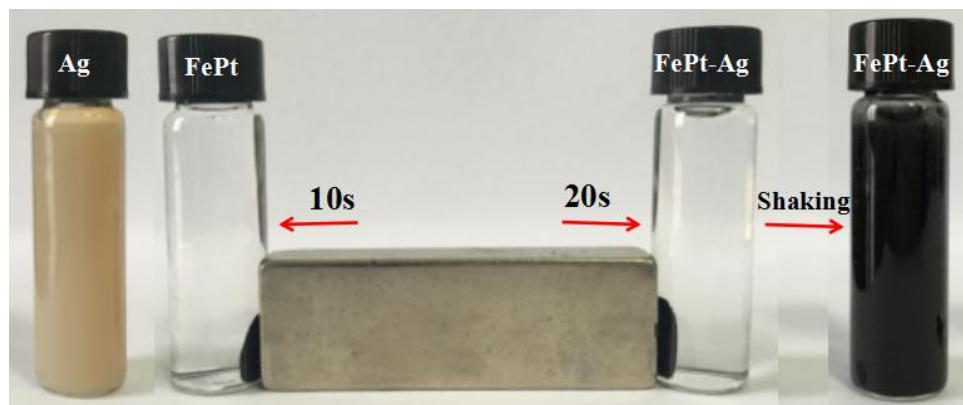


Figure S4. Photographs of the colloidal silver solution, FePt nanocrystals dispersed in deionized water, FePt-Ag nanocomposites dispersed in deionized water and after gentle shaking.

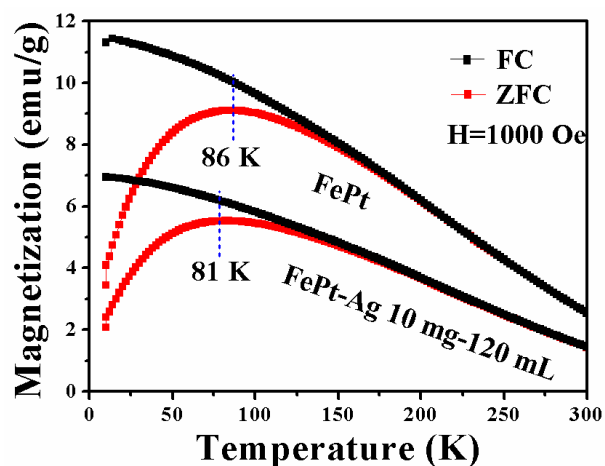


Figure S5. ZFC and FC curves of pure FePt nanocrystals and FePt-Ag 10 mg-120 mL nanocomposites under an applied field of 1000 Oe.

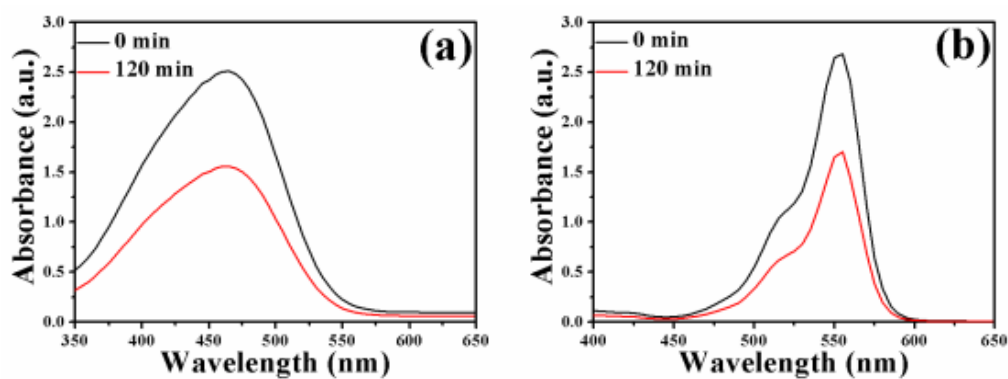


Figure S6. UV-Vis absorption spectra of MO aqueous solution (a) and RhB aqueous solution (b) after reduction catalyzed by pure FePt nanocrystals.

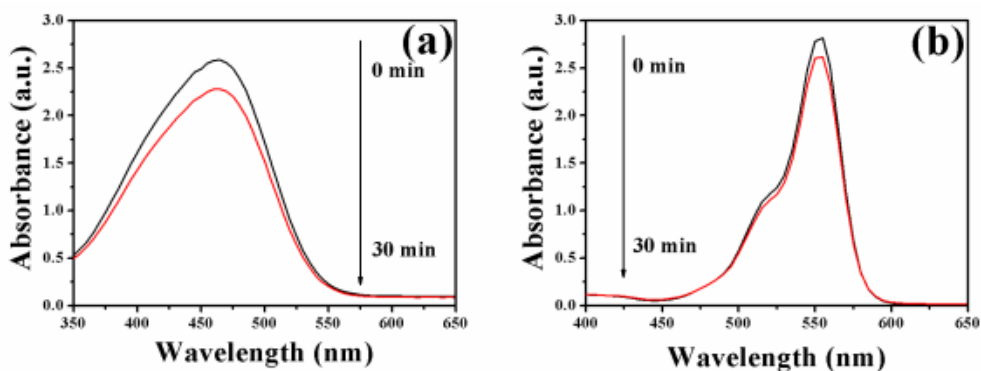


Figure S7. UV-Vis absorption spectra of MO (a) and RhB (b) reduced by NaBH₄ only.