

One-Pot Environmentally Friendly Synthesis of Nanomaterials Based on Phytate-Coated Fe₃O₄ Nanoparticles for Efficient Removal of the Radioactive Metal Ions ⁹⁰Sr, ⁹⁰Y and (UO₂)²⁺ from Water

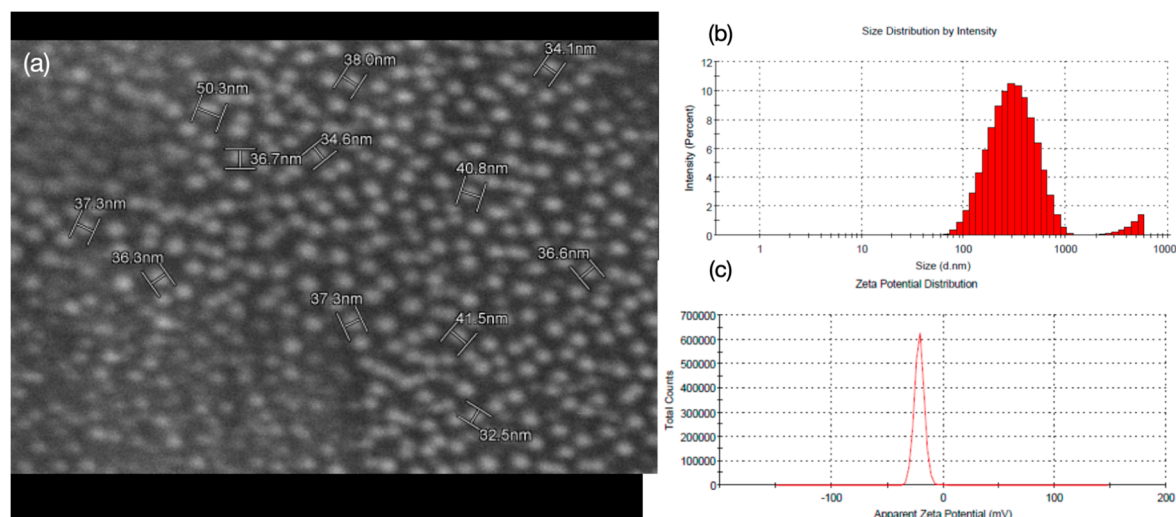


Figure S1. **a.** TEM micrograph, **b.** Dynamic light Scattering (DLS) analysis and **c.** Zeta Potential of Fe₃O₄ NPs.

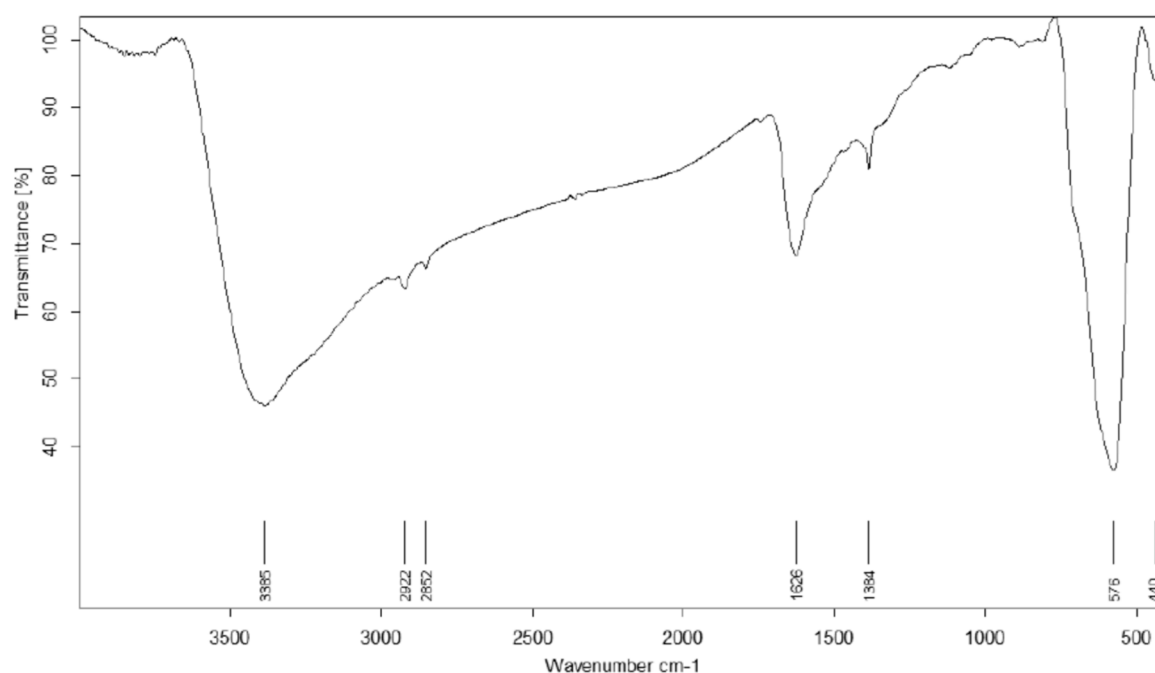


Figure S2. FT-IR spectra of pristine magnetite nanoparticles.

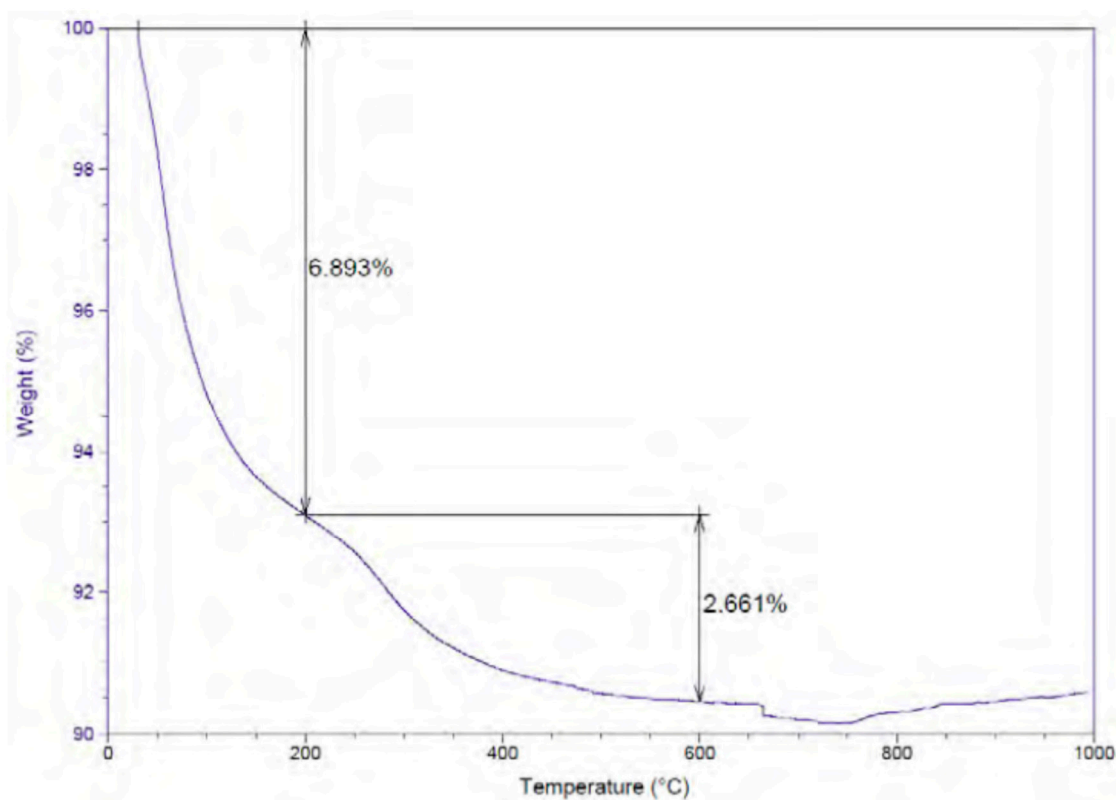


Figure S3. Thermogravimetric analysis (TGA) of pristine magnetite nanoparticles.

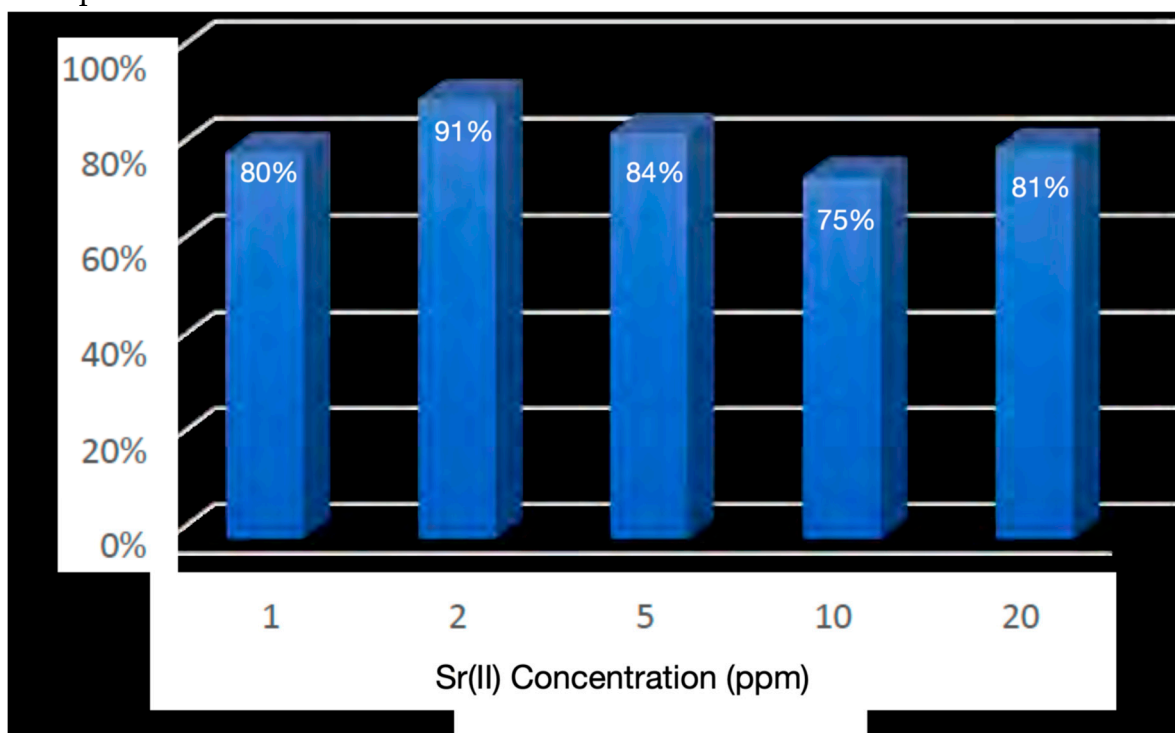


Figure S4. Retention percentage of Sr(II) by Phy@Fe₃O₄ NPs versus the initial concentration of Sr(II).

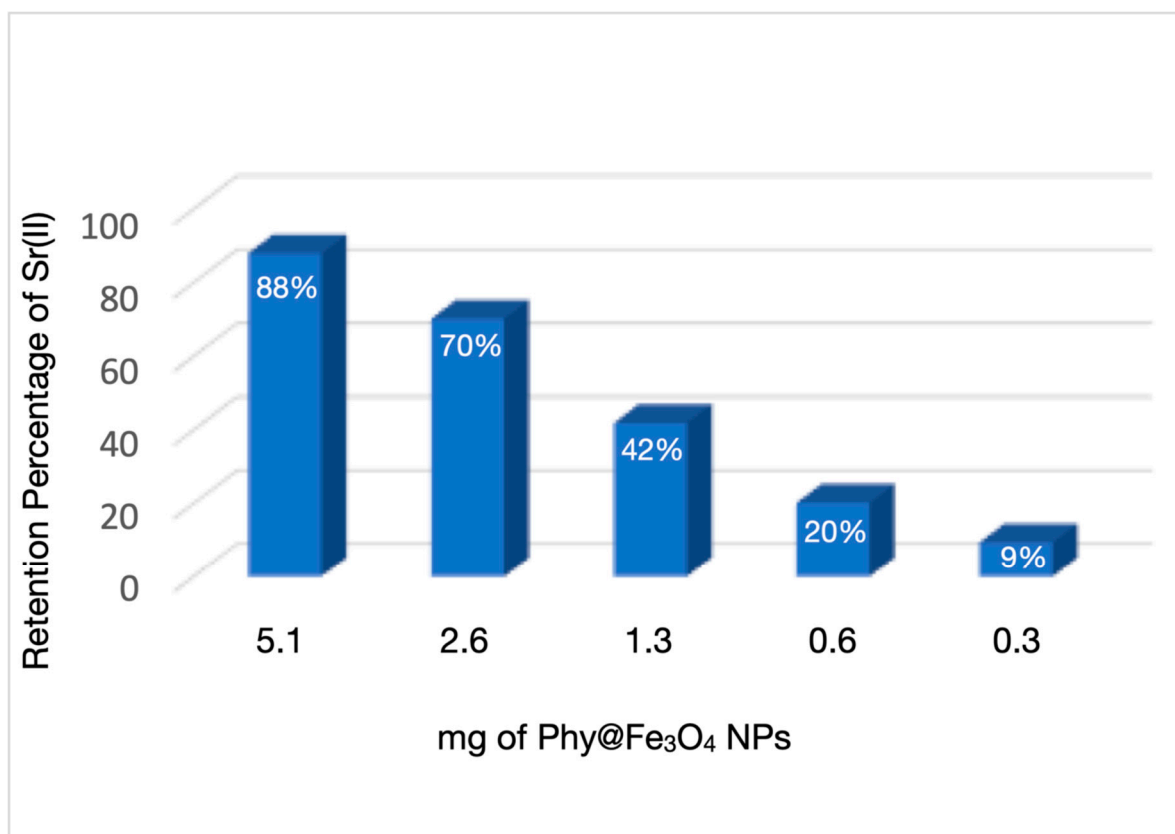


Figure S5. Sr(II) retention percentage with different amounts of Phy@Fe₃O₄ NPs.

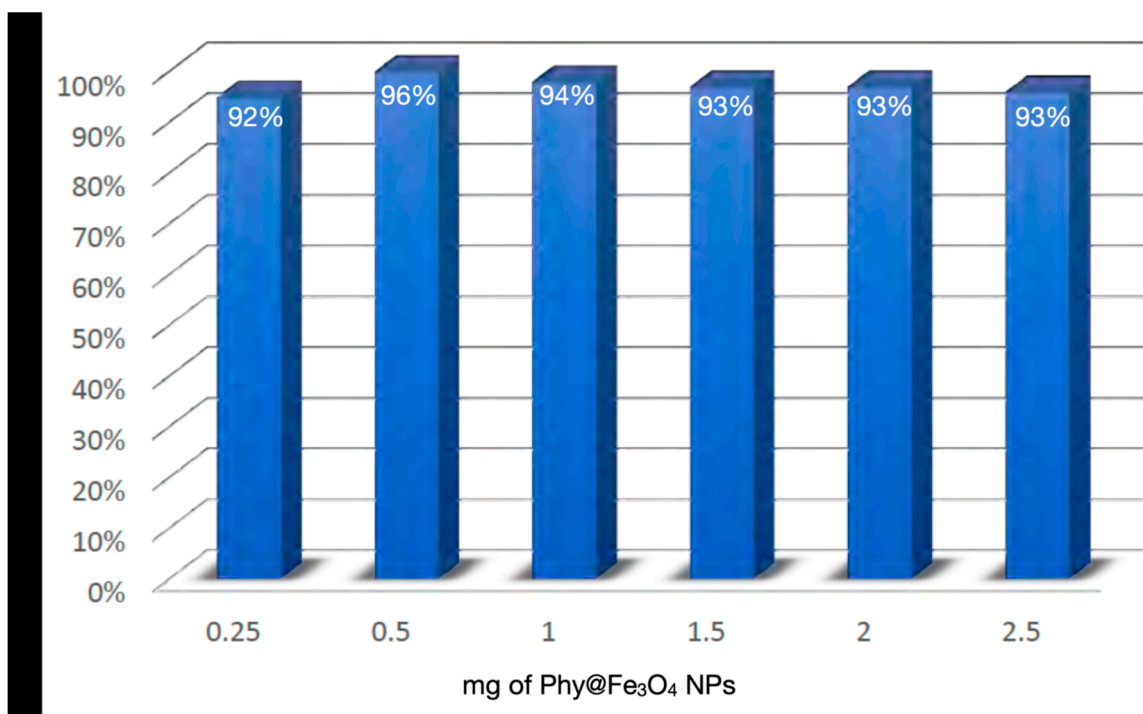


Figure S6. UO₂₂₊ retention percentage with different amounts of Phy@Fe₃O₄ NPs.