

Figure S1. XRD pattern for various hematite core-shell samples (from top to bottom): α -Fe₂O₃-TiO₂ (anatase), α -Fe₂O₃-ZnS, α -Fe₂O₃-SiO₂, and α -Fe₂O₃-TiO₂ (amorphous).

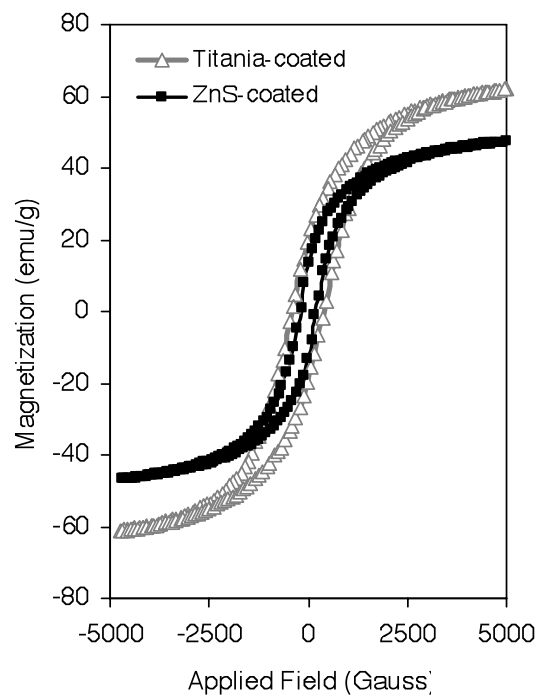


Figure S2. VSM hysteresis loops for titania- and zinc sulfide-coated hematite particles (measured at room temperature).