

Supporting Information

**Synthesis and Multifunctional Properties of Superparamagnetic Iron
Oxide Nanoparticles Coated with Mesoporous Silica
Involving Single-site Ti-oxide Moiety**

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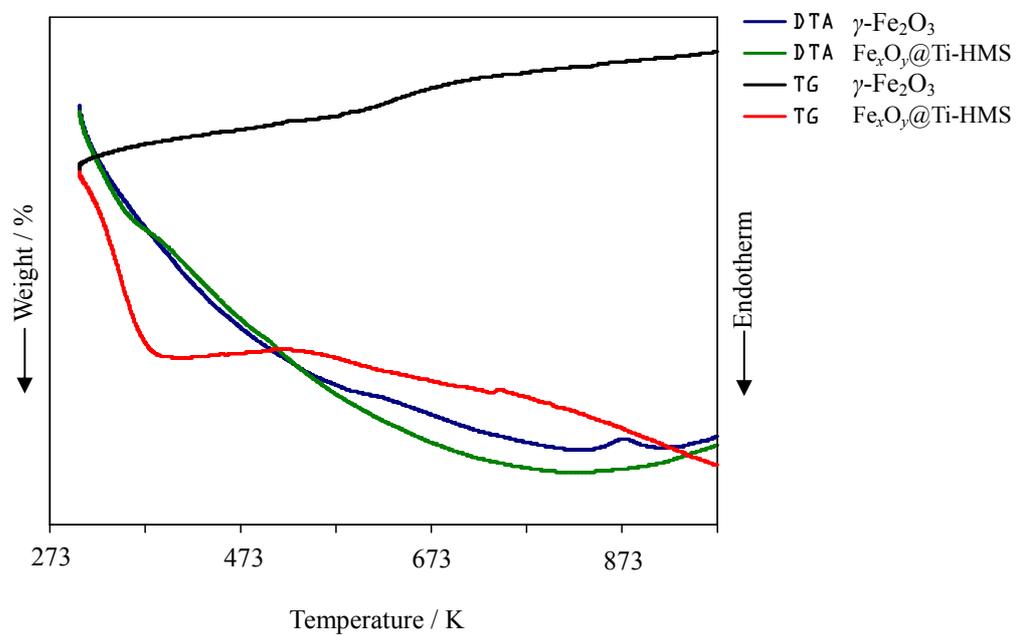


Figure 1S. TG-DTA curves for $\text{Fe}_x\text{O}_y@Ti\text{-HMS}$ and $\gamma\text{-Fe}_2\text{O}_3$.

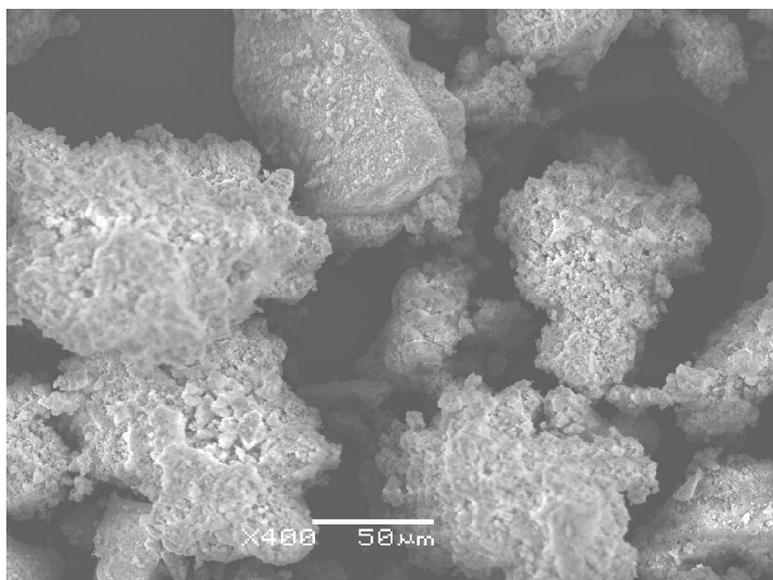


Figure 2S. SEM image of $\text{Fe}_x\text{O}_y@\text{Ti-HMS}$.

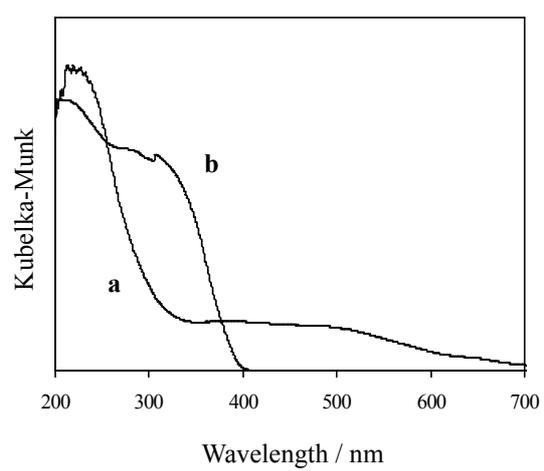


Figure 3S. UV-vis spectra for (a) $\text{Fe}_x\text{O}_y@\text{Ti-HMS}$ and (b) TiO_2 powder (P25)