

Supporting Information

Ultrasmall PEGylated $\text{Mn}_x\text{Fe}_{3-x}\text{O}_4$ ($x=0-0.34$) Nanoparticles: Effects of Mn(II) Doping on T_1 - and T_2 -Weighted Magnetic Resonance

Imaging

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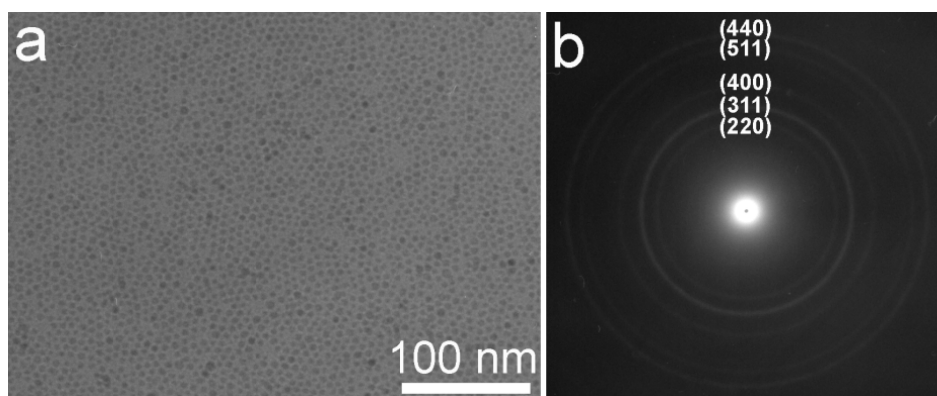


Fig. S1 (a) TEM image and (b) electron diffraction patterns of the $\text{Mn}_{0.30}\text{Fe}_{2.70}\text{O}_4$ NPs synthesized through hot injection method.

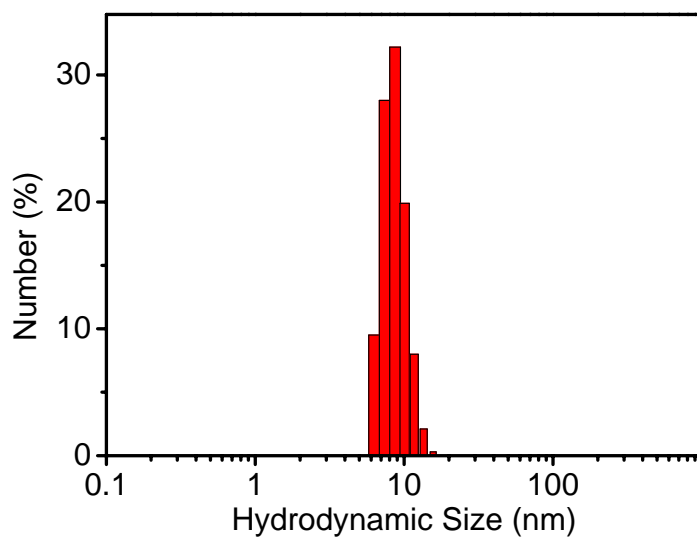


Fig. S2 Hydrodynamic size distribution of the Mn_{0.34}Fe_{2.66}O₄ NPs freshly dispersed in PBS.

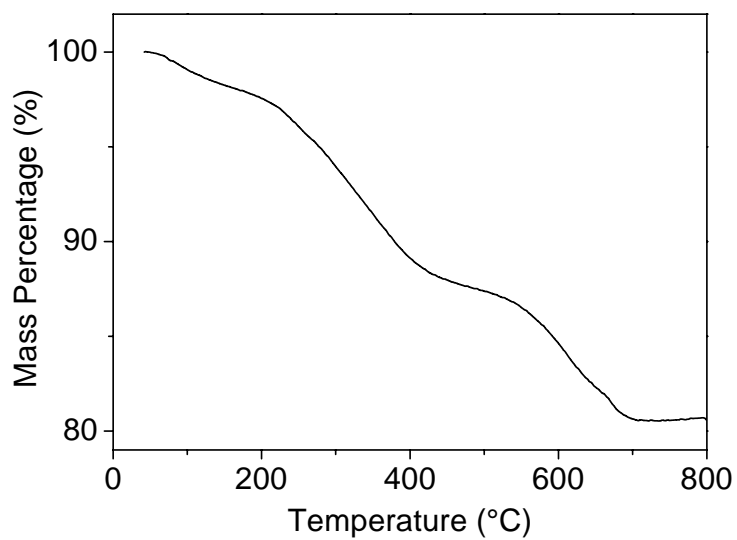


Fig. S3 TGA of the Mn_{0.34}Fe_{2.66}O₄ NPs.