Supporting Information

Tuning the Thermal Stability of Molecular Precursors for the Non-hydrolytic Synthesis of Magnetic MnFe_2O_4 Spinel Nanocrystals

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1, XRD patterns of MnFe_2O_4 nanocrystals

2, The TGA and DSC curves for (a) $\text{Fe}(\text{acac})_3$ and (b) $\text{Mn}(\text{acac})_2$

3. The comparison of TGA results (a) $\text{Fe}(\text{acac})_3$ and $\text{Mn}(\text{acac})_2$, (b) $\text{Fe}(\text{bzac})_3$ and $\text{Mn}(\text{bzac})_2$.

4. Large scale self assembled superlattice from 4.5 nm spherical MnFe_2O_4 nanocrystals.