

## Supporting Information

### From FePt-Fe<sub>3</sub>O<sub>4</sub> to L1<sub>0</sub>-FePt/Fe Nanocomposite Magnets with Gradient Interface

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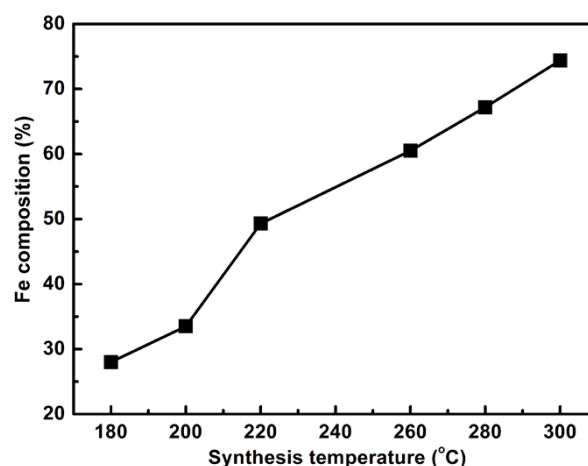
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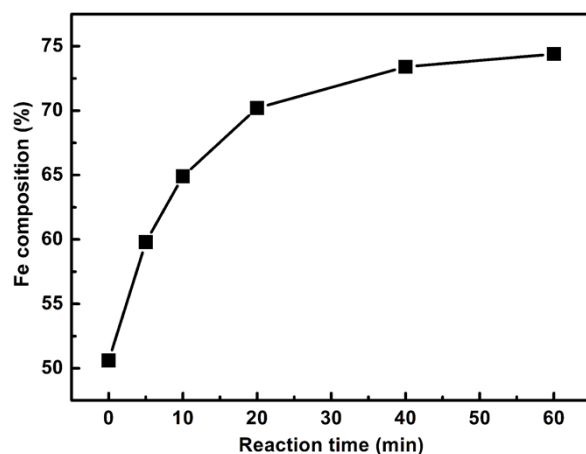
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Figure S1-S3

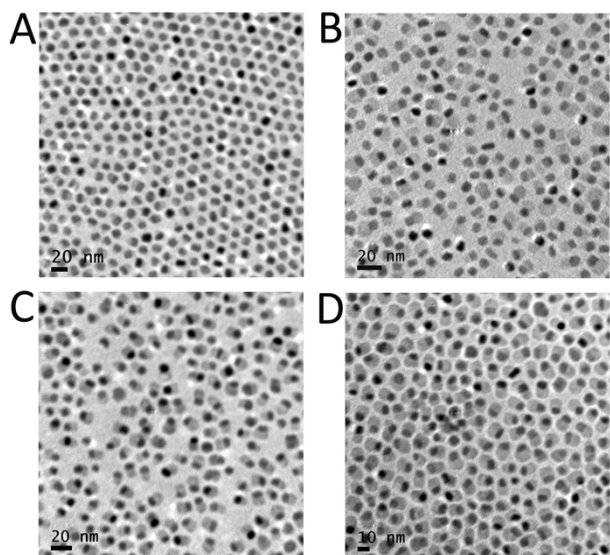
#### Figures



**Figure S1** The correlation between the synthesis temperature and the final Fe content in the as-synthesized NPs.



**Figure S2** The correlation between the synthesis time and the final Fe content in the NPs synthesized at 300 °C.



**Figure S3** The representative TEM images of the NPs synthesized at 300 °C for different reaction time: (A) 0 min, (B) 5 min, (C) 10 min and (D) 20 min.