

Supporting Information

Significantly Improved Dehydrogenation of LiAlH_4 Destabilized by MnFe_2O_4 Nanoparticles

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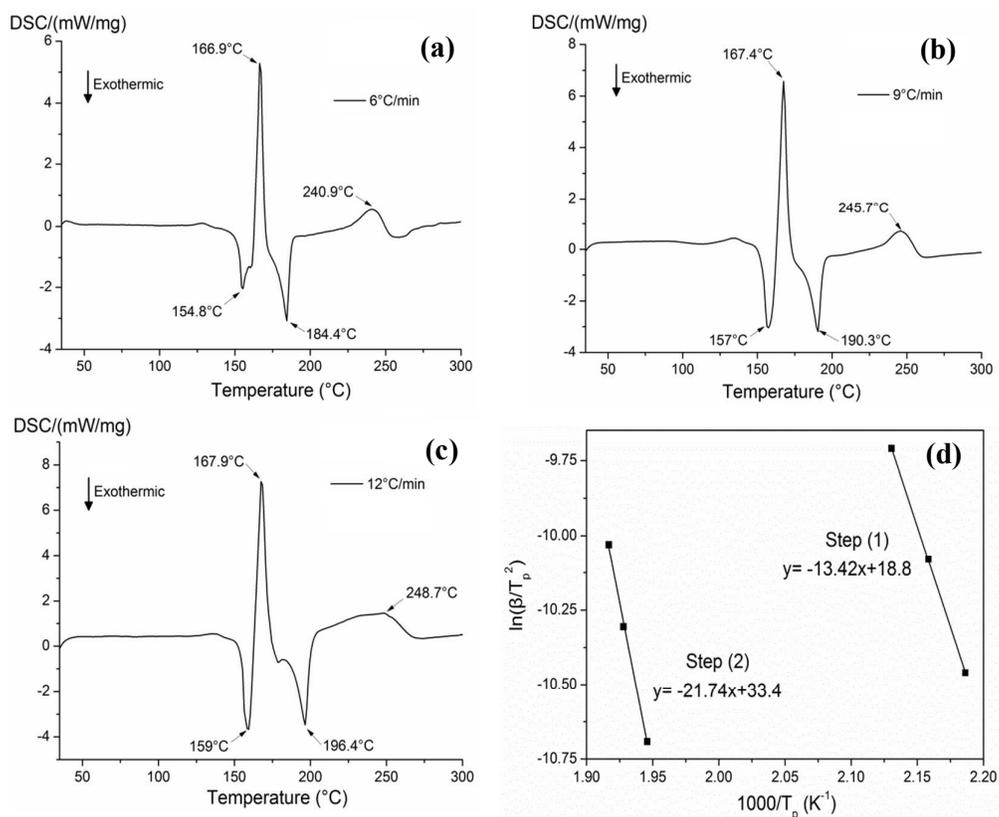


Figure S1. DSC curves of as-received LiAlH_4 at the heating rates of (a) 6 °C/min, (b) 9 °C/min and (c) 12 °C/min; Graph (d) is the Kissinger plots of as-received LiAlH_4 for the first and second dehydrogenation step.

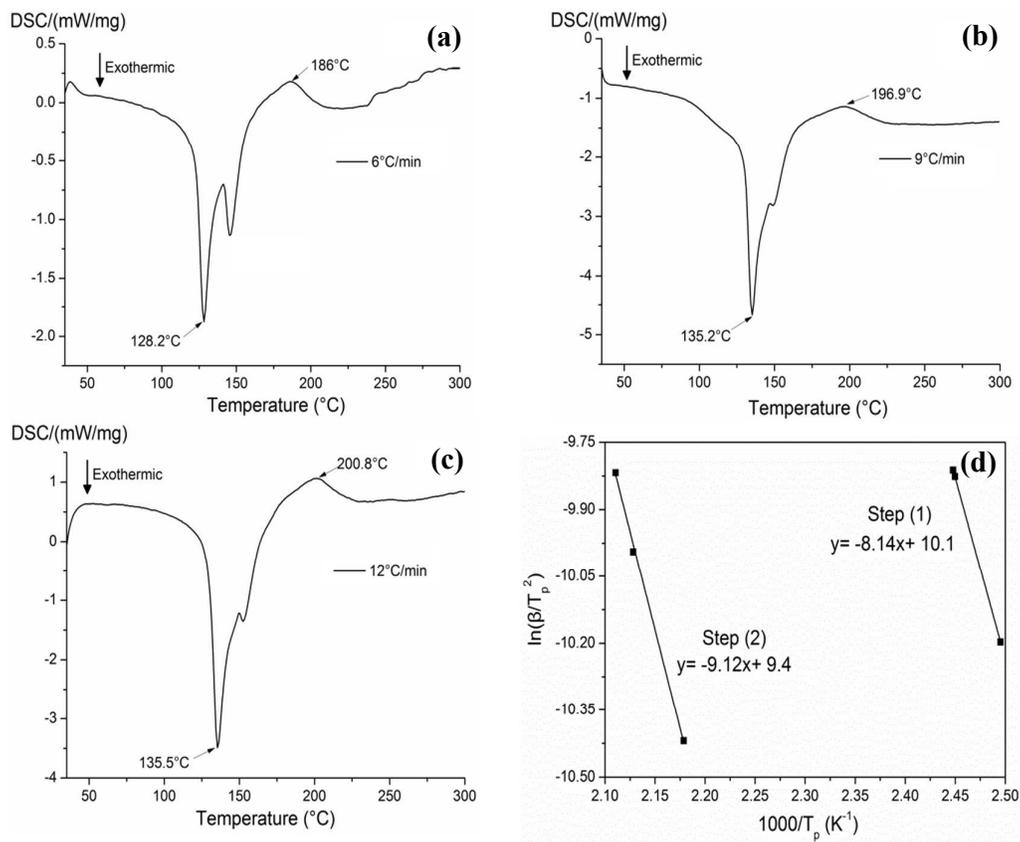


Figure S2. DSC curves of $\text{LiAlH}_4 + 7 \text{ mol\% MnFe}_2\text{O}_4$ at the heating rates of (a) 6 °C/min, (b) 9 °C/min and (c) 12 °C/min; Graph (d) is the Kissinger plots of 7 mol% doped sample for the first two dehydrogenation steps.