

Supporting Information for

**Catalytic conversion of fructose and 5-hydroxymethylfurfural into
2,5-furandicarboxylic acid over a recyclable $\text{Fe}_3\text{O}_4\text{-CoO}_x$ magnetite
nanocatalyst**

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Figure S1. Separation of the catalyst simply by a magnet. (a) After reaction; (b) Separation by a permanent magnet.

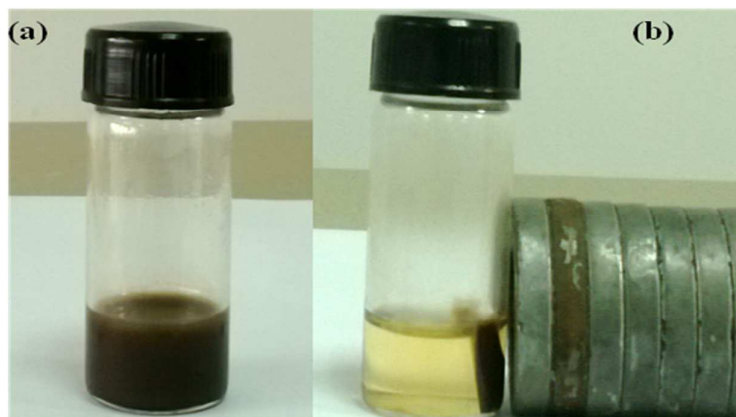
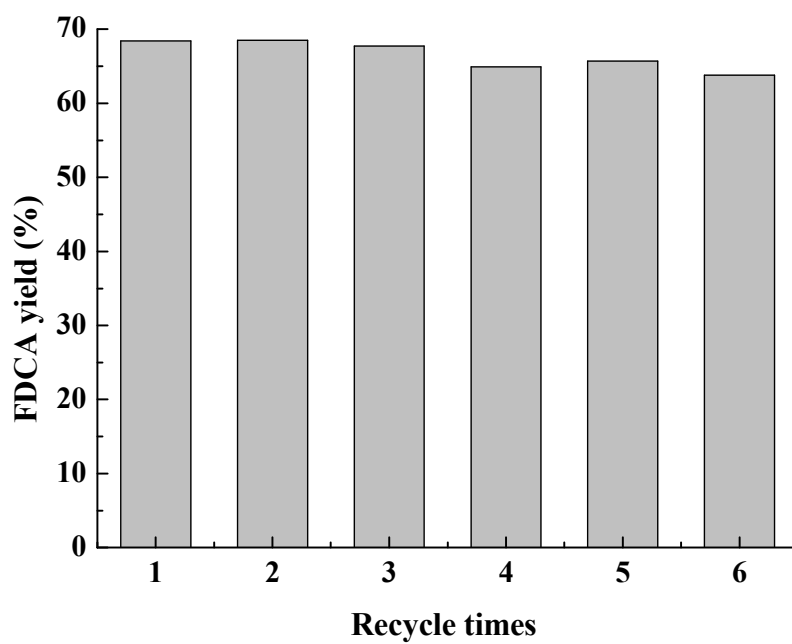


Figure S2. Recycling experiments of the nano-Fe₃O₄-Co catalyst. Reaction conditions: HMF (70 mg), nano-Fe₃O₄-CoO_x (100 mg), 70% aqueous t-BuOOH (0.5 mL), DMSO (4 mL), 80 °C and 12 h.



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