

Synthesis of Sulfonic Acid-Functionalized $\text{Fe}_3\text{O}_4@\text{C}$ Nanoparticles as Magnetically Recyclable Solid Acid Catalysts for Acetalization Reaction

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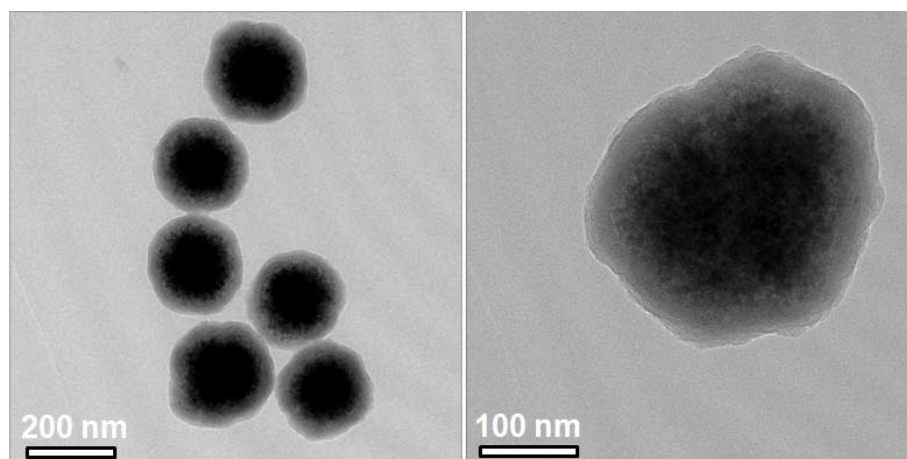


Figure S1. HRTEM images of $\text{Fe}_3\text{O}_4@\text{C}-\text{SO}_3\text{H}$ MNPs.

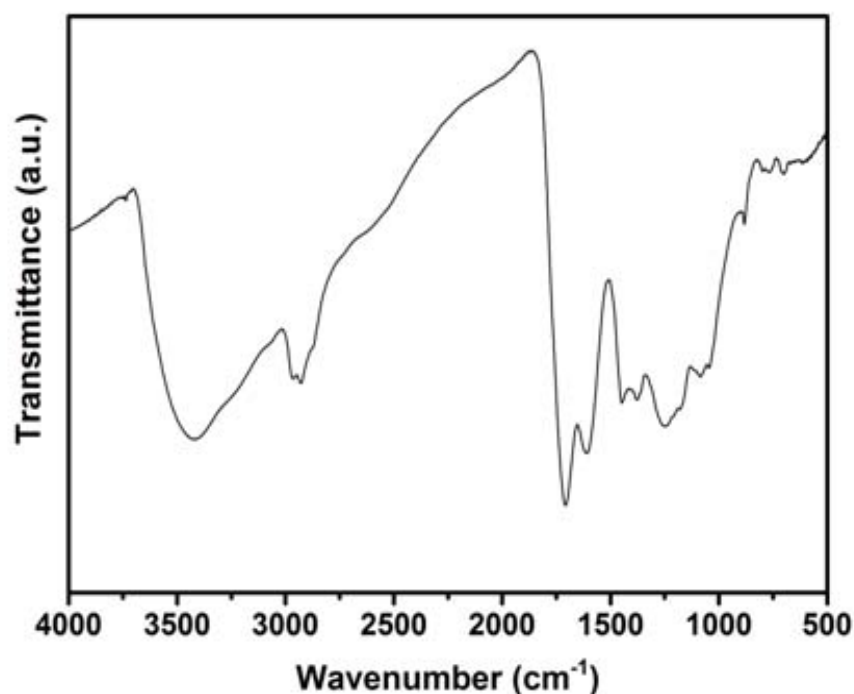


Figure S2. FTIR spectra of SO_3H -group functionalized carbon residual sample obtained by dissolving iron oxide in the $\text{Fe}_3\text{O}_4@\text{C}-\text{SO}_3\text{H}$ sample.