

Supporting Information

Synthesis of Fe₃O₄ and Pt nanoparticles on reduced graphene oxide used as
recyclable catalyst

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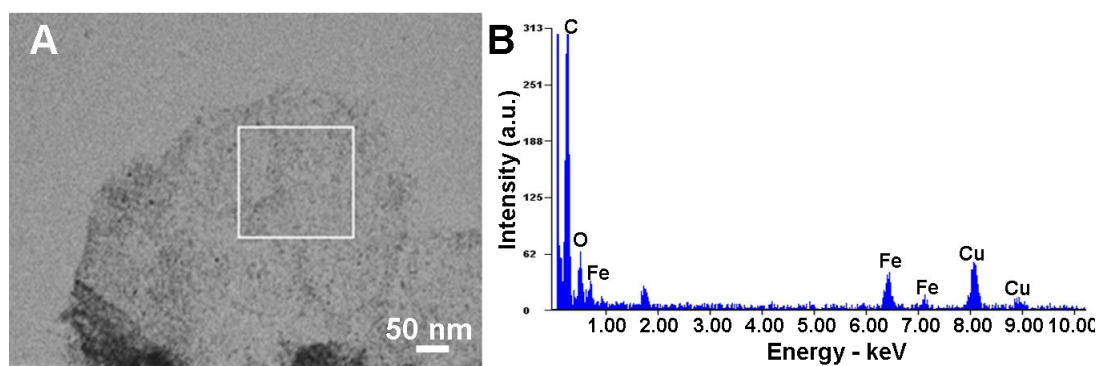


Fig. S1 (A) TEM images of $\text{Fe}_3\text{O}_4/\text{rGO}$. (B) EDS spectrum collected from the rectangular area in (A).

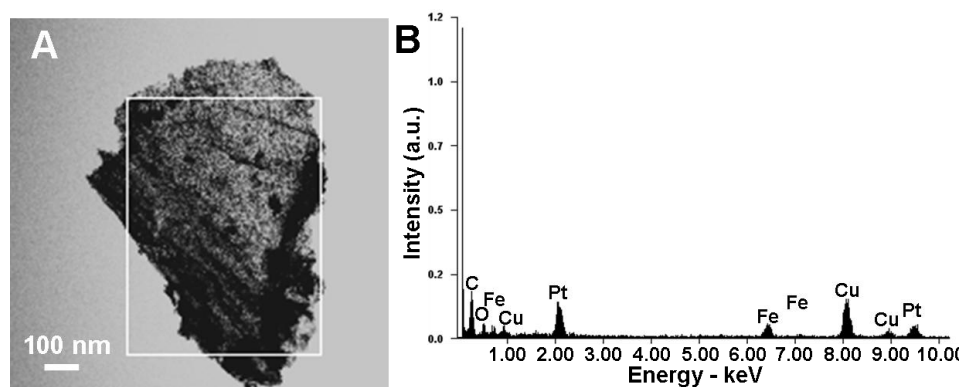


Fig. S2 (A) TEM image of $\text{Fe}_3\text{O}_4\text{-Pt/rGO}$. (B) EDS spectrum collected from the rectangular area in (A).

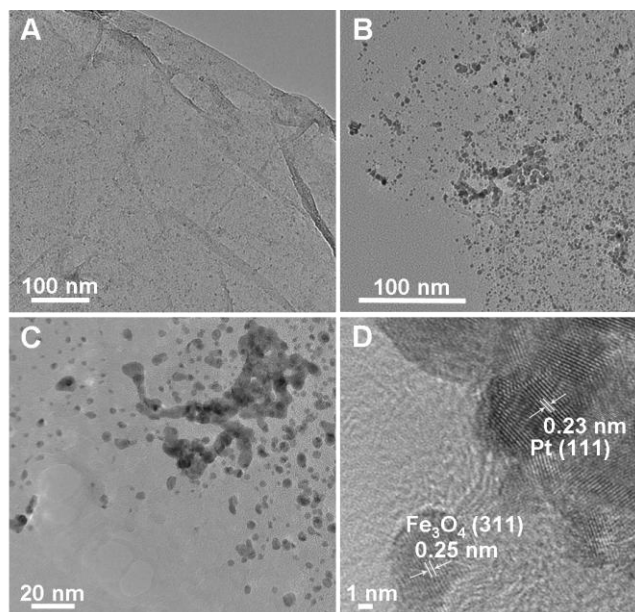


Fig. S3 (A) TEM images of $\text{Fe}_3\text{O}_4/\text{rGO}$ synthesized with the mass feed ratio of GO to Fe_3O_4 is 1:1. (B, C) TEM images of $\text{Fe}_3\text{O}_4\text{-Pt}/\text{rGO}$ synthesized by mixing 0.6 mg of K_2PtCl_6 and 6 mg of $\text{Fe}_3\text{O}_4/\text{rGO}$ powder in (A). (D) HRTEM image of a Fe_3O_4 nanoparticle and a Pt nanoparticle on rGO.