Electronic Supplementary Information (ESI) for

ZnNi Alloy Nanoparticles Grown on Reduced Graphene Oxide Nanosheets and Their Magnetic and Catalytic Properties

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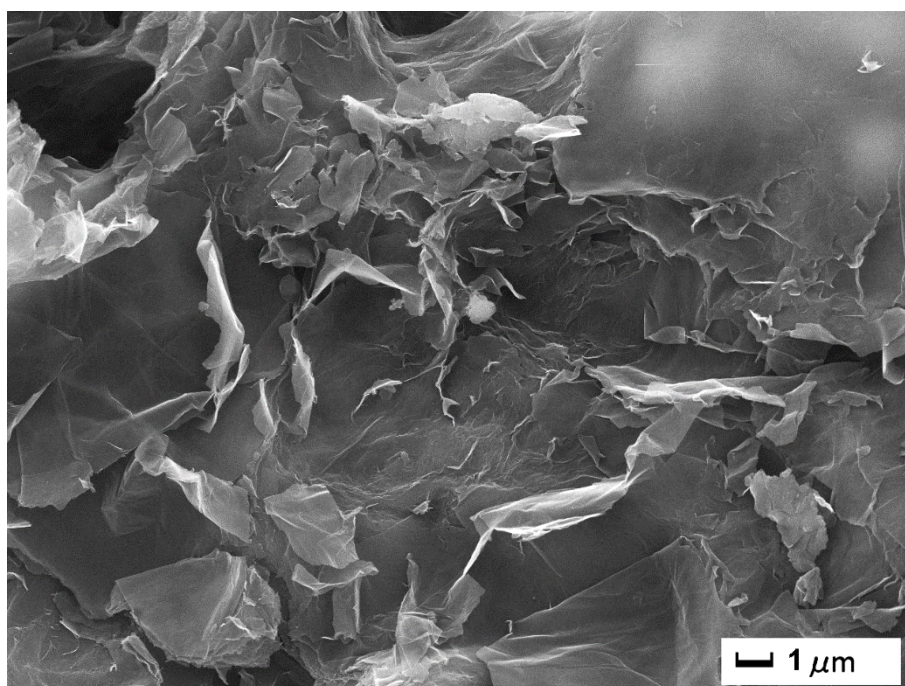

Fig. S1 FESEM image of RGO nanosheets prepared in the absence of $Zn(NO_3)_2 \cdot 6H_2O$ and $Ni(NO_3)_2 \cdot 6H_2O$ with the same other experimental conditions.
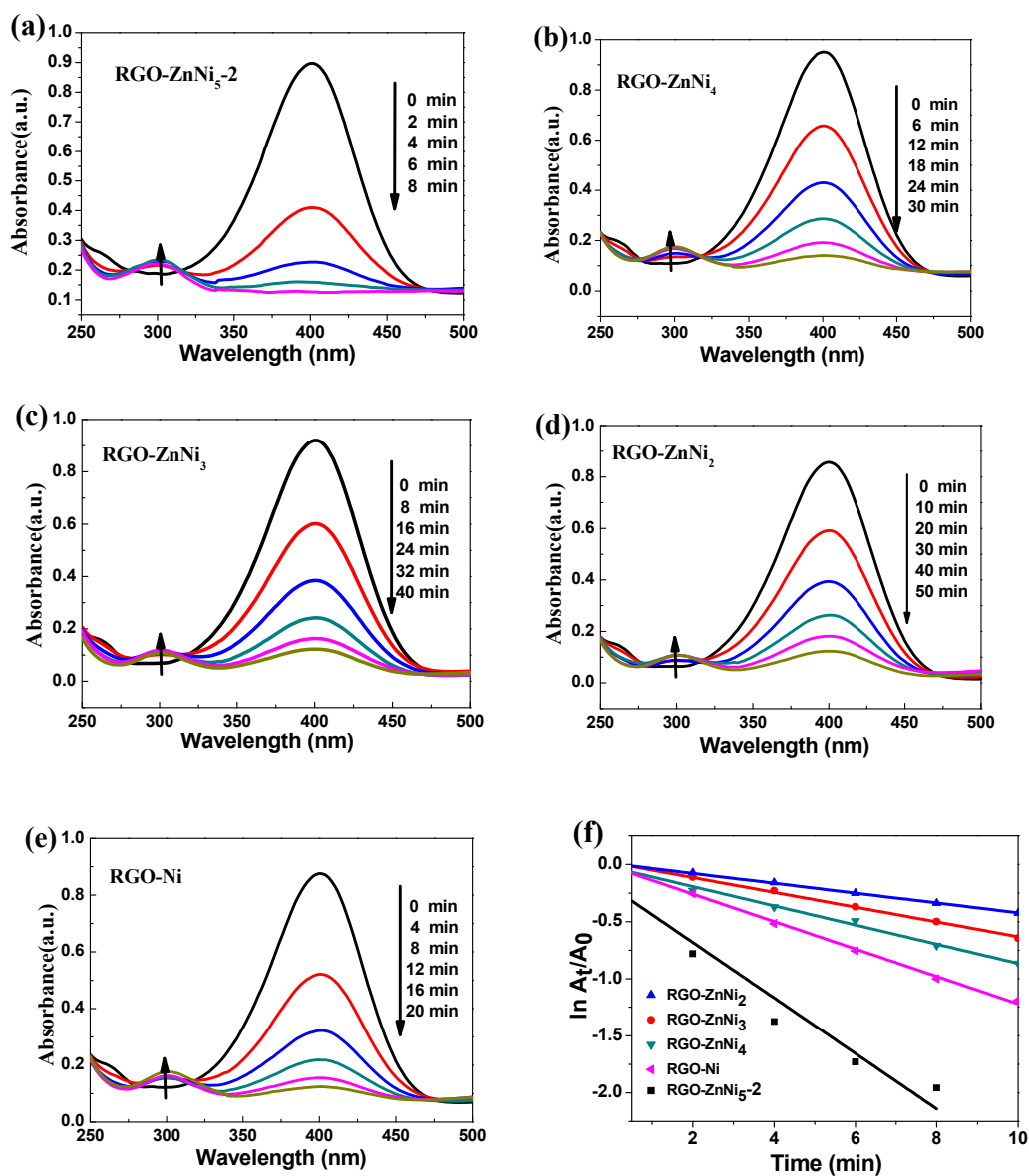
Fig. S2 (a-e) UV−vis absorption spectra of the reduction reaction systems in the presence of RGO-ZnNi nanocomposites. (f) Plots of $\ln(A_t/A_o)$ versus reaction time for the reduction of 4-NP catalyzed by different catalysts.
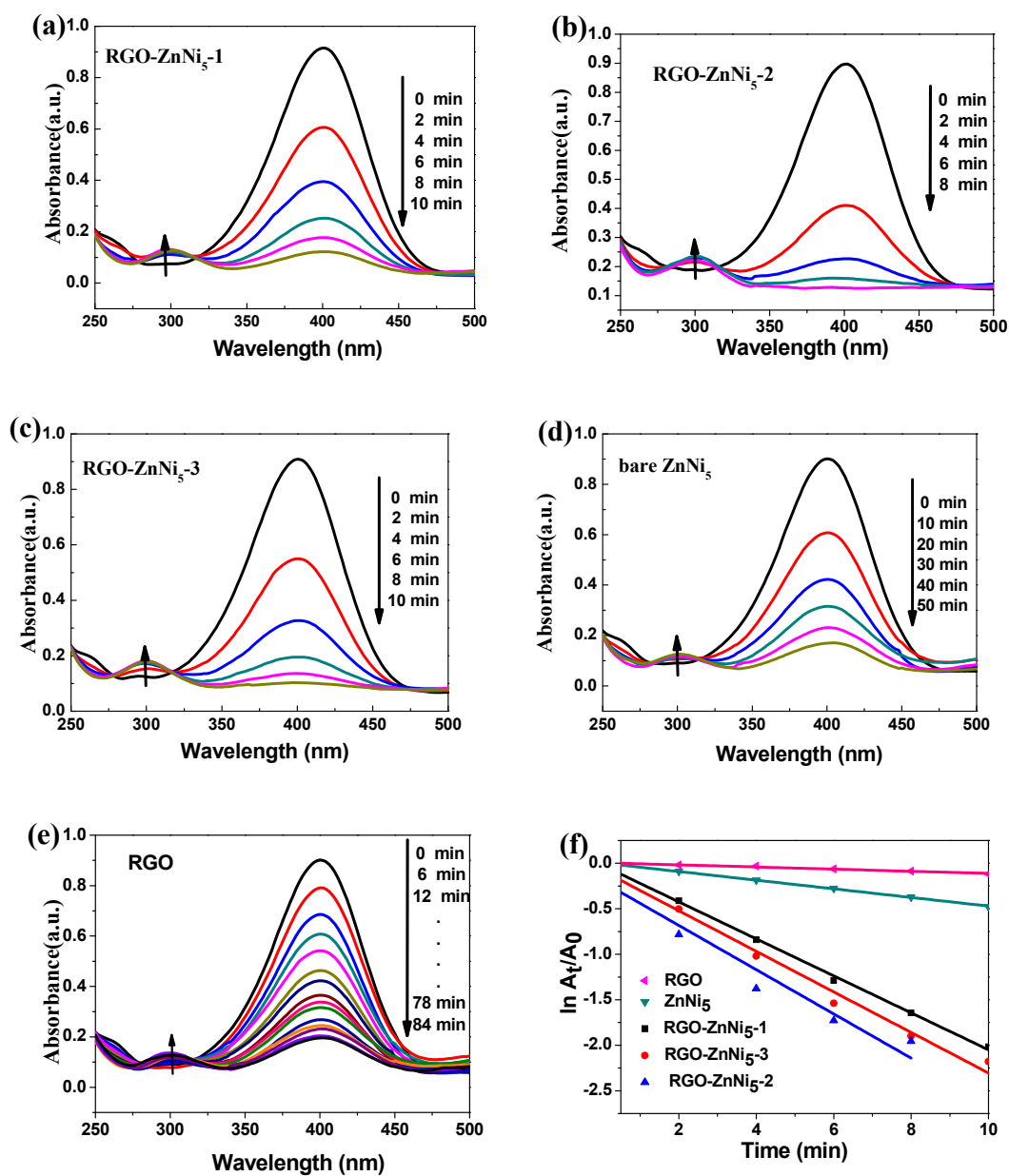
Fig. S3 (a-e) UV−vis absorption spectra of the reduction reaction systems in the presence of RGO-ZnNi nanocomposites. (f) Plots of $\ln(A_t/A_o)$ of 4-NP versus reaction time for the reduction of 4-NP catalyzed by different catalysts.