

Supporting Information

Synthesis of mesoporous NiCo₂O₄-rGO by solvothermal method for charge storage applications

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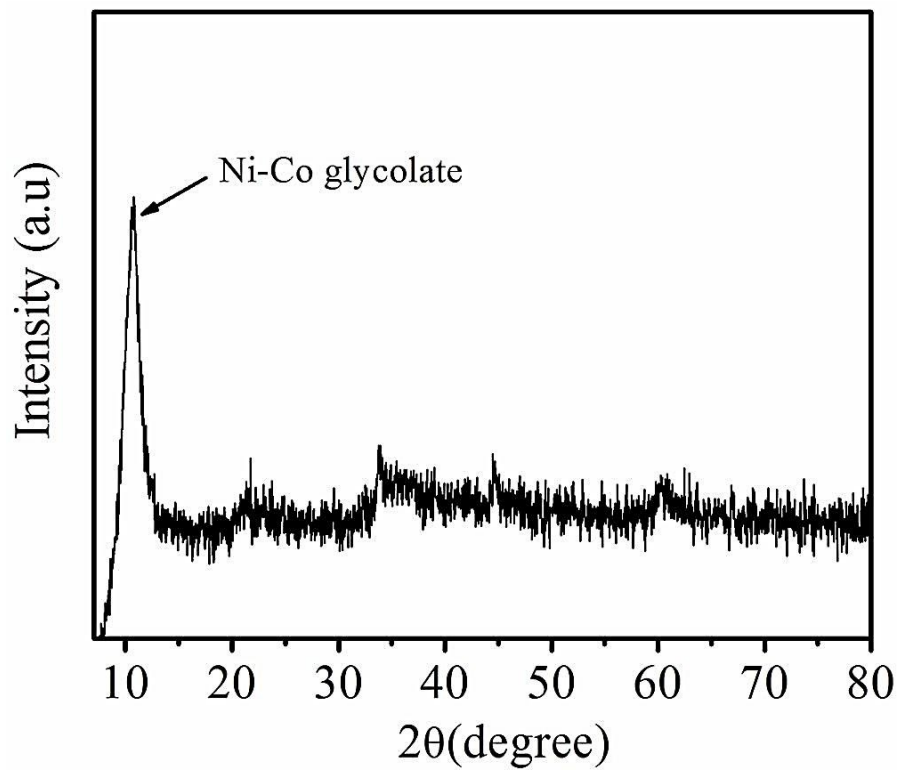


Fig. S1 Powder XRD pattern of uncalcined NiCo-glycolate-rGO precursor.

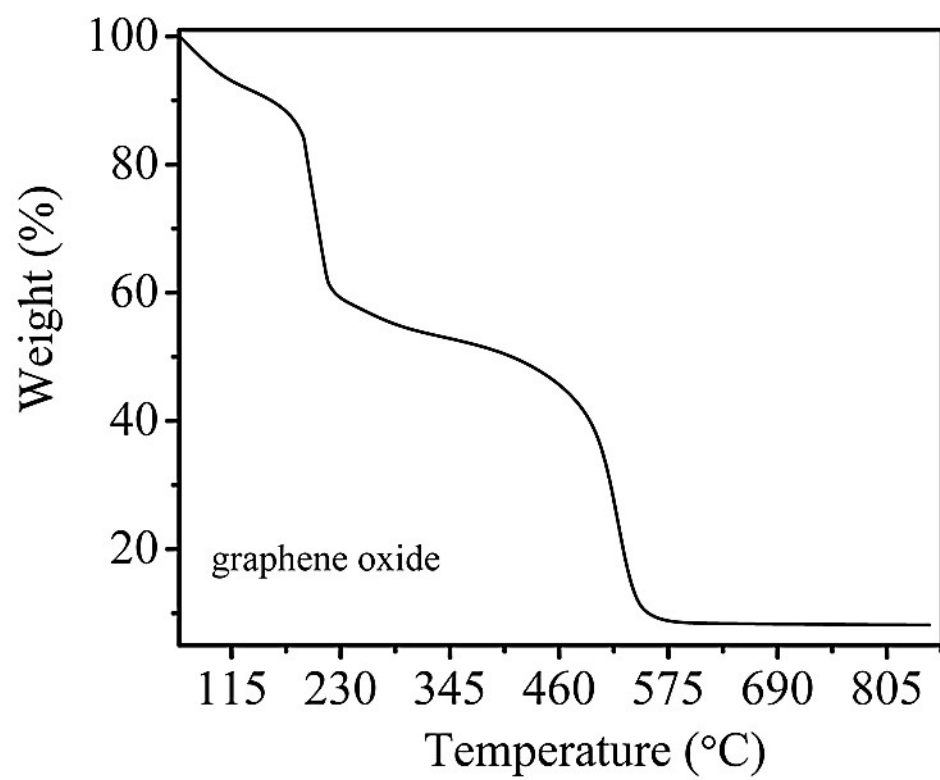


Fig. S2 Thermogravimetric analysis (TGA) of graphene oxide

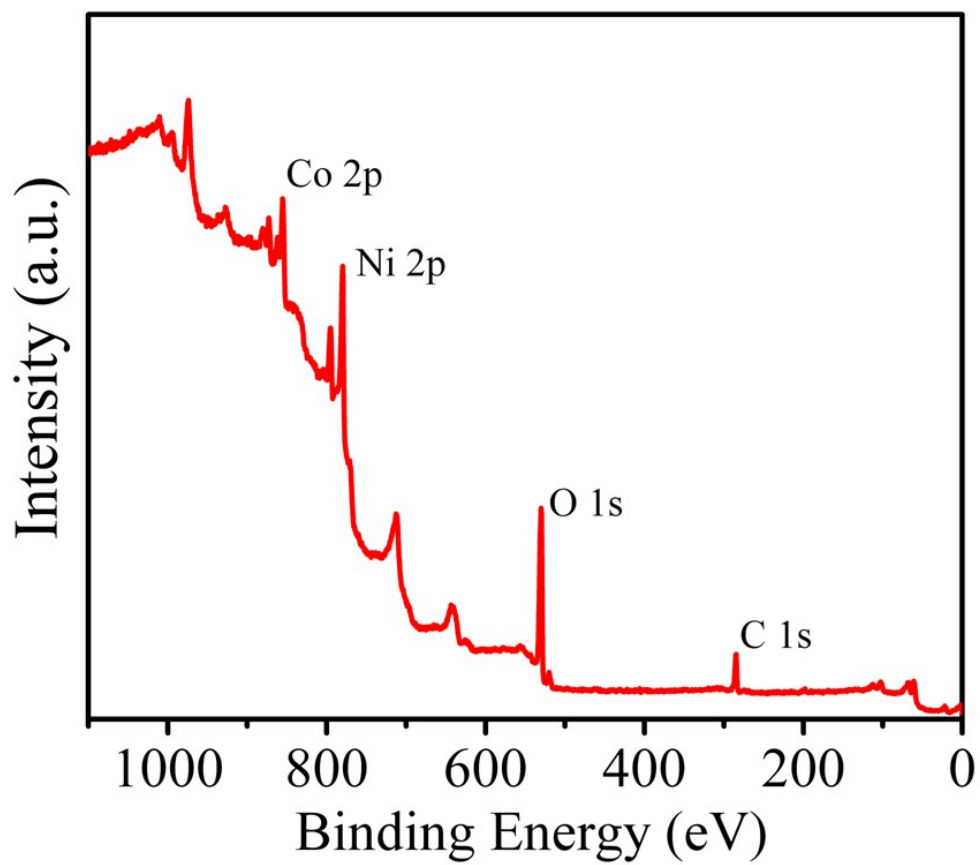


Fig. S3 Full XPS survey spectra of the NiCo₂O₄-rGO hybrid nanocomposite.

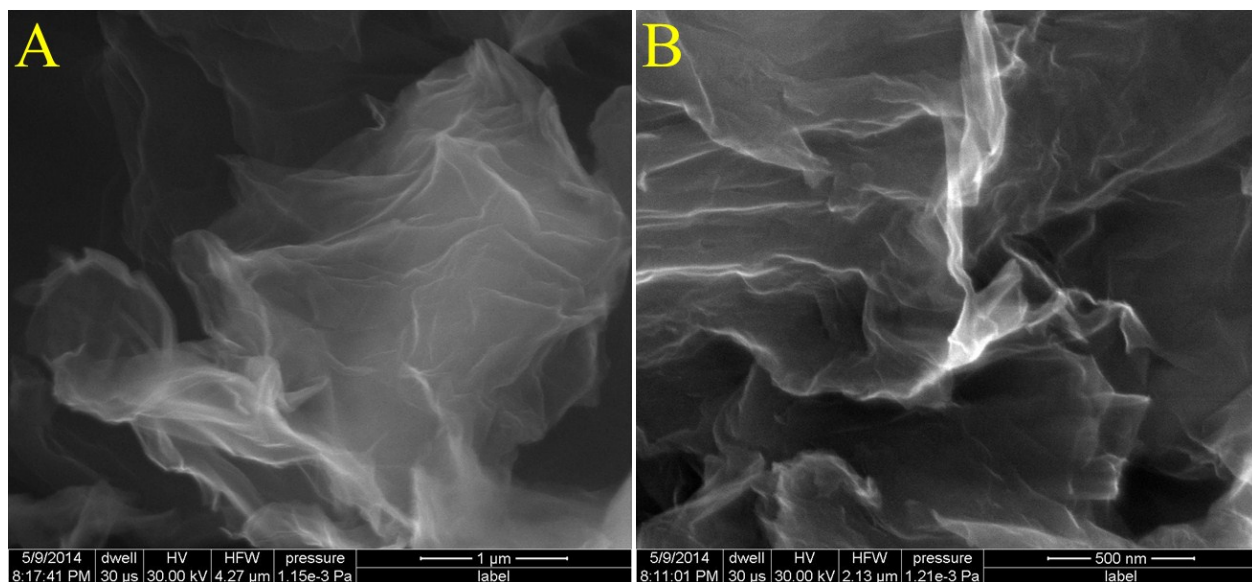


Fig. S4 FESEM images of graphene oxide (GO) at different magnifications.

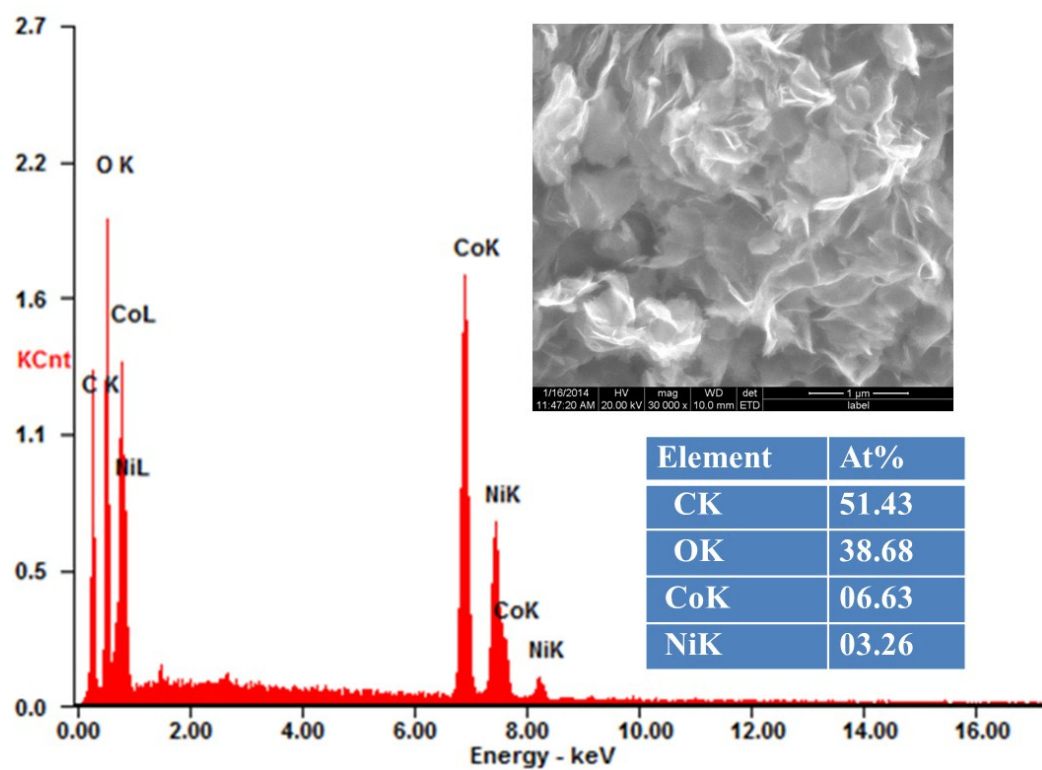


Fig. S5 EDS spectrum of NiCo₂O₄-rGO composite.

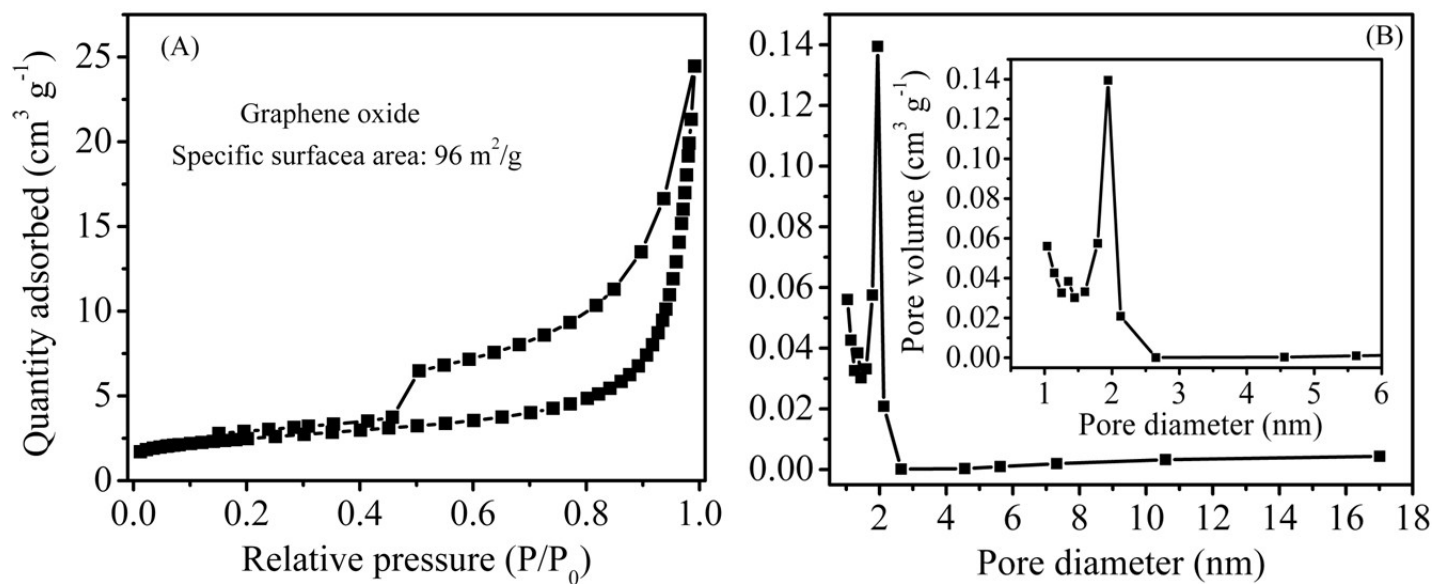


Fig. S6 (A) N₂ adsorption-desorption isotherm and (B) BJH pore size distribution plots of graphene oxide (GO).

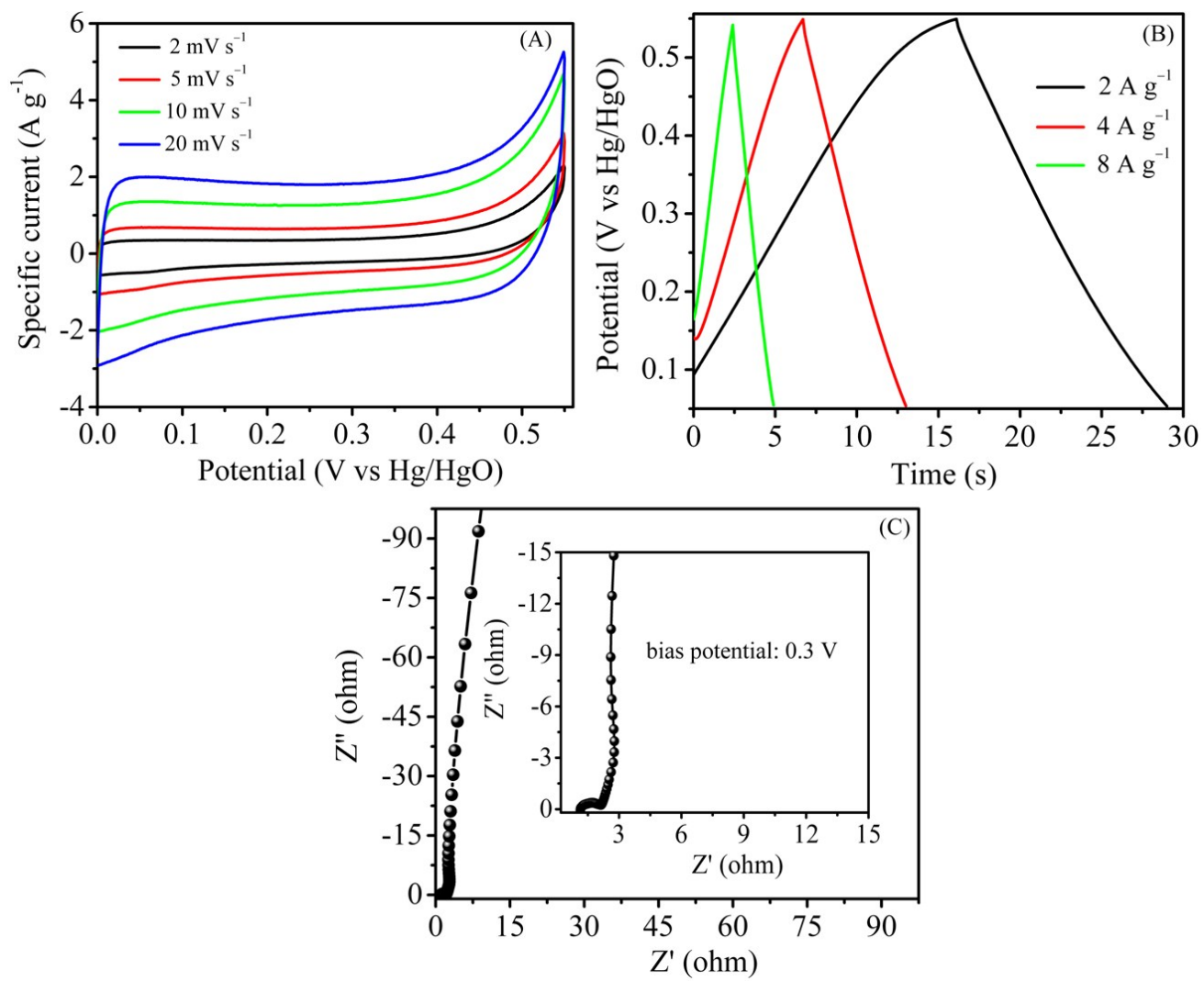


Fig. S7 (A) Cyclic voltammograms, (B) charge-discharge curves and (C) complex plane impedance plots (Nyquist plots) of graphene oxide (GO).

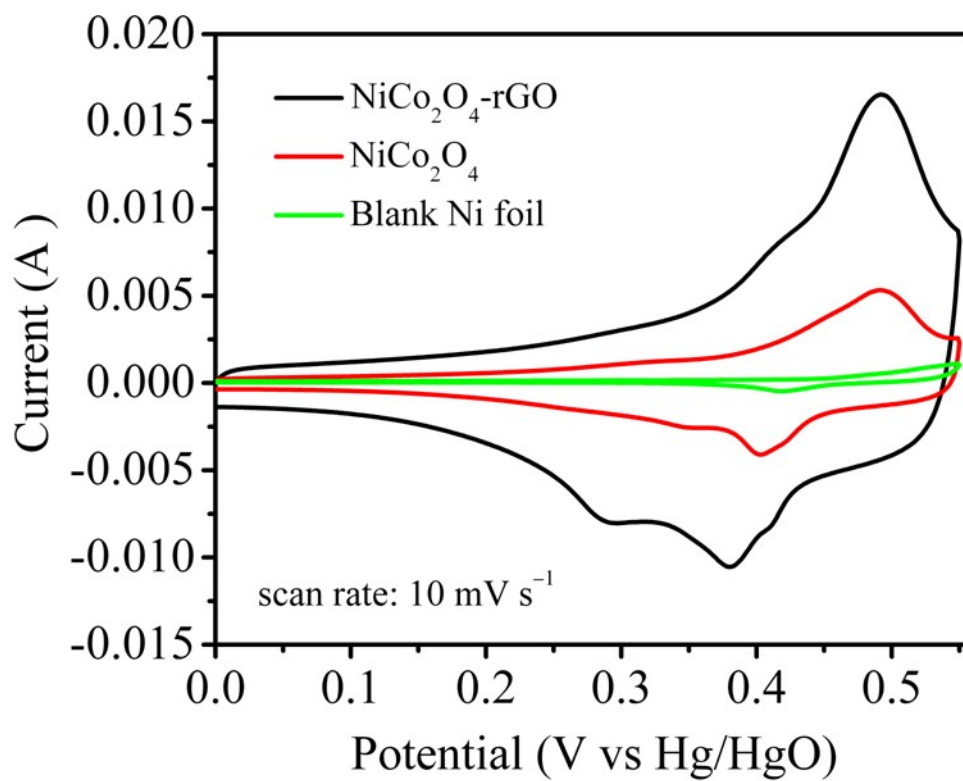


Fig. S8 Comparison CV curves for bare Ni foil, pristine NiCo₂O₄ and NiCo₂O₄-rGO electrodes at a scan rate of 10 mV s^{-1} .

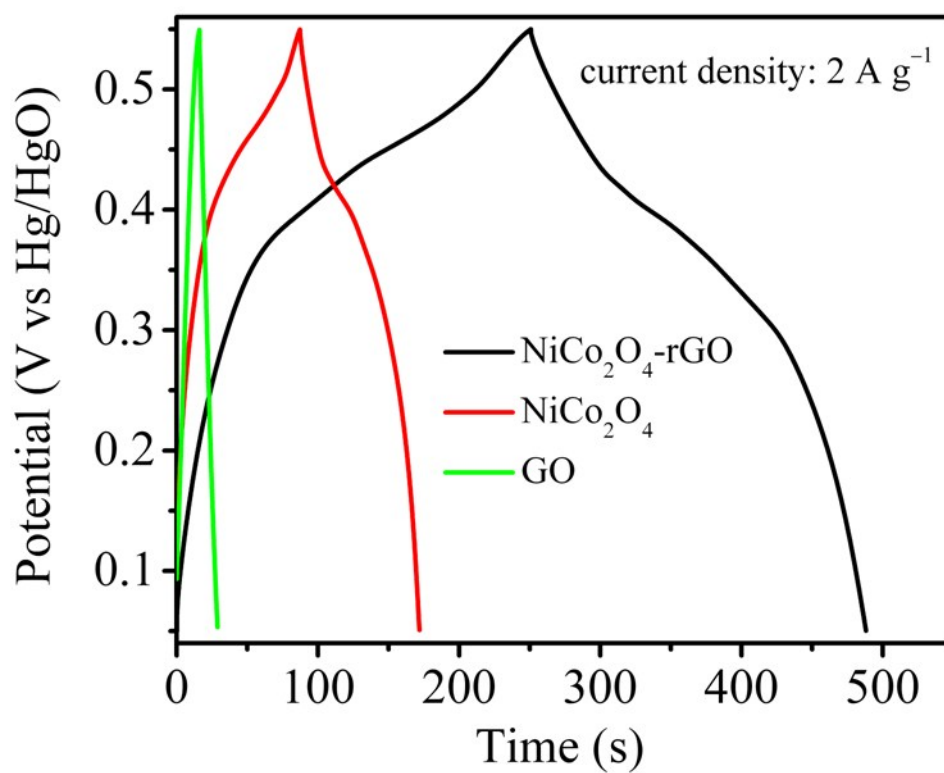


Fig. S9 Comparison of CP curves for GO, pristine NiCo_2O_4 and $\text{NiCo}_2\text{O}_4\text{-rGO}$ composite at current density of 2 A g^{-1} .