Electronic Supplementary Material (ESI) for RSC Advances.
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Supplementary Information for

Three dimensional $Ni_{1+x}Fe_{2-x}S_4$-graphene-2D-$MoSe_2$: an Efficient Electrode Material for Supercapacitor

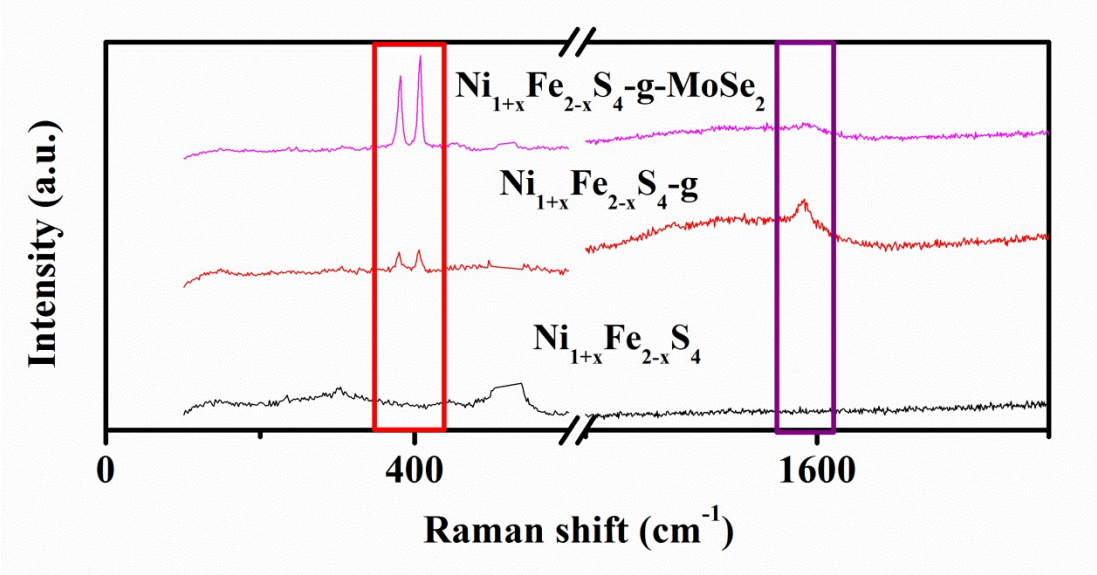

Figure S1. Raman spectra of $Ni_{1+x}Fe_{2-x}S_4$, $Ni_{1+x}Fe_{2-x}S_4$-g and $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$.

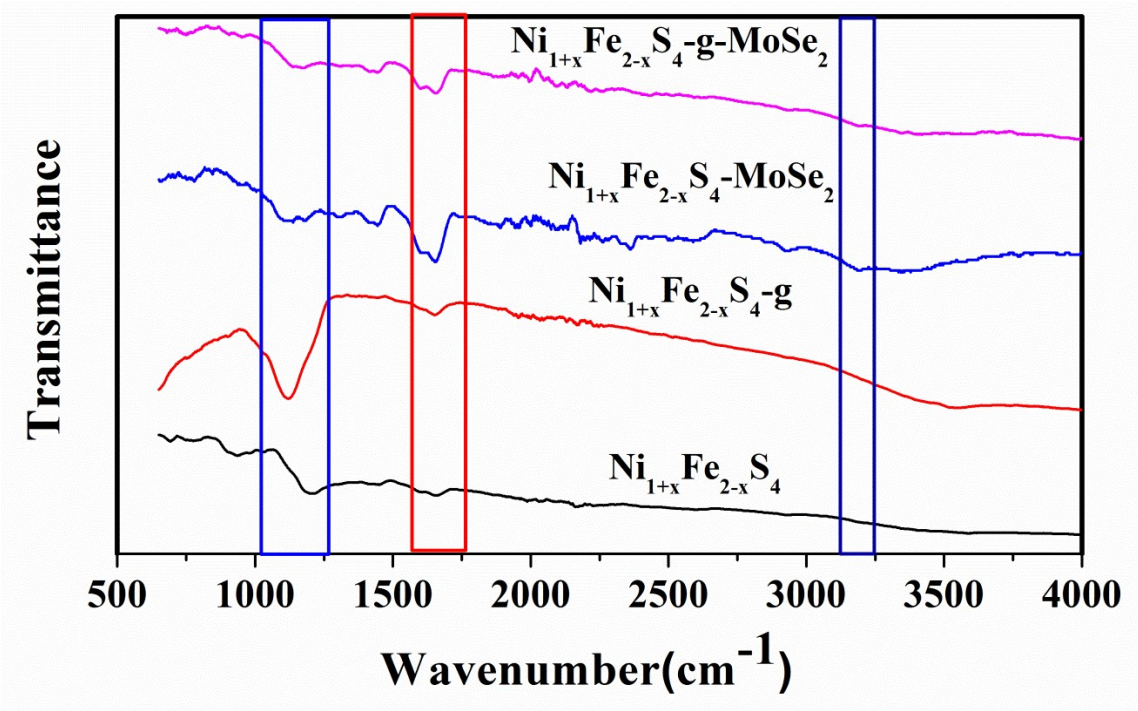

Figure S2. FTIR spectra of $Ni_{1+x}Fe_{2-x}S_4$, $Ni_{1+x}Fe_{2-x}S_4$-g, $Ni_{1+x}Fe_{2-x}S_4$-$MoSe_2$ and $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$.

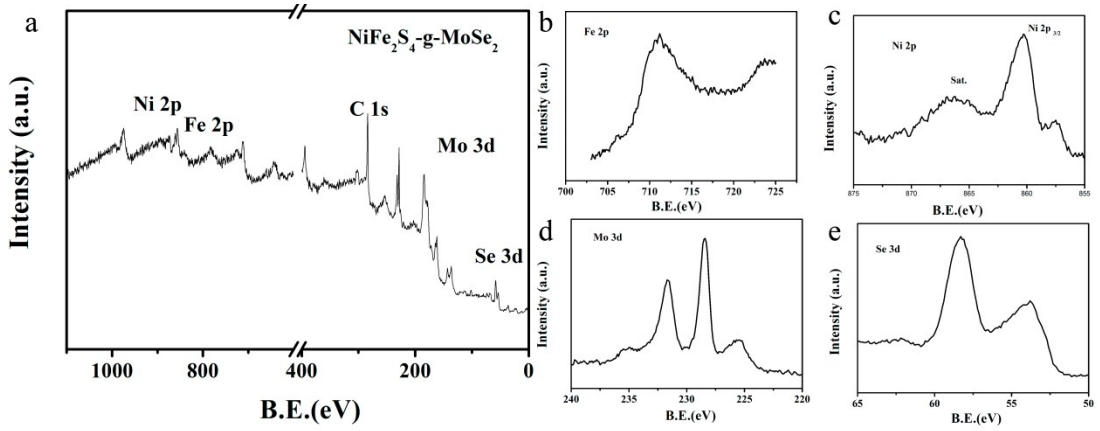

Figure S3 XPS survey spectrum of $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$ (a). High-resolution XPS spectra of Fe 2p (b), Ni 2p (c) Mo 3d (d) and Se 3d (e) of $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$.

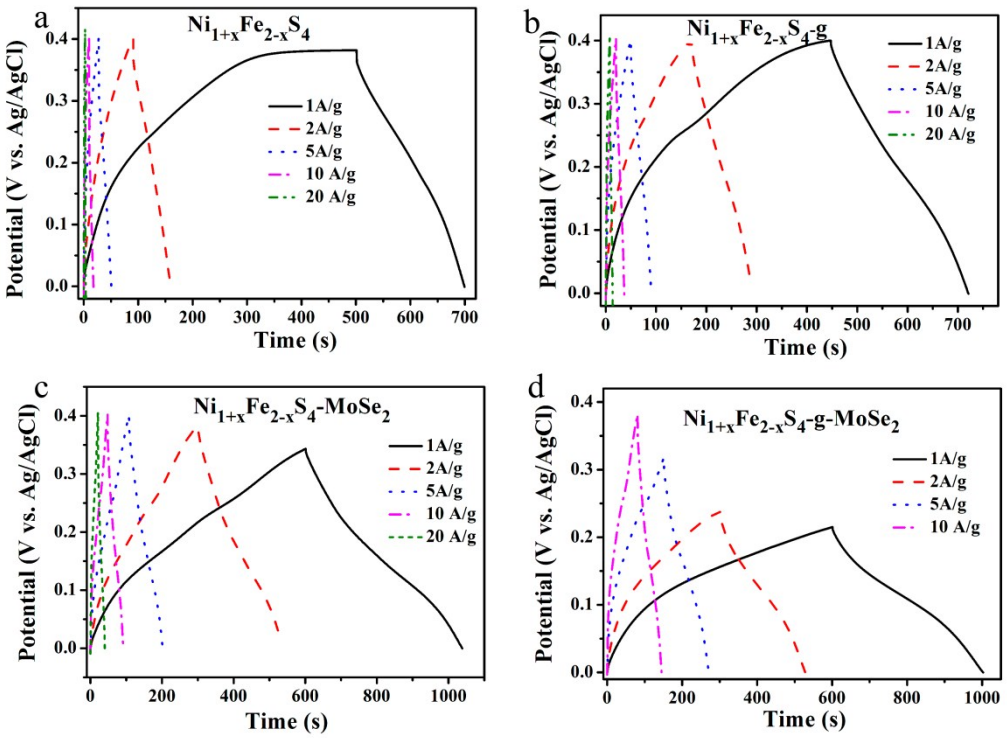

Figure S4 GCD curves of $Ni_{1+x}Fe_{2-x}S_4$, $Ni_{1+x}Fe_{2-x}S_4$-g, $Ni_{1+x}Fe_{2-x}S_4$-$MoSe_2$ and $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$ at different current densities.

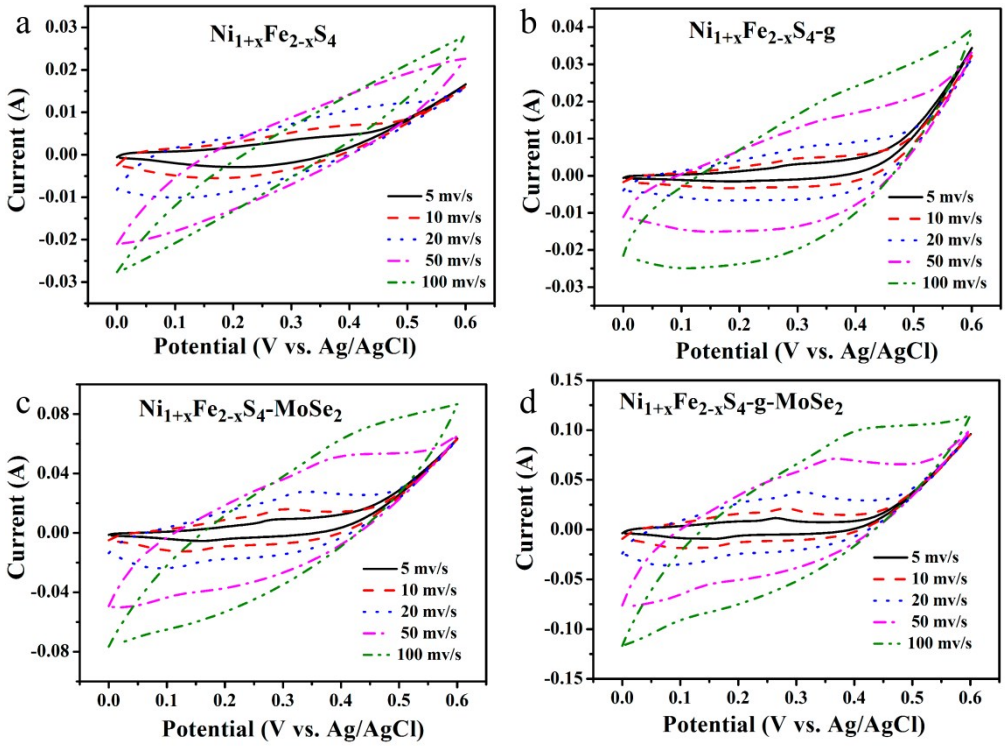

Figure S5 CV curves of $Ni_{1+x}Fe_{2-x}S_4$, $Ni_{1+x}Fe_{2-x}S_4$-g, $Ni_{1+x}Fe_{2-x}S_4$-$MoSe_2$ and $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$ at different scanning rates.

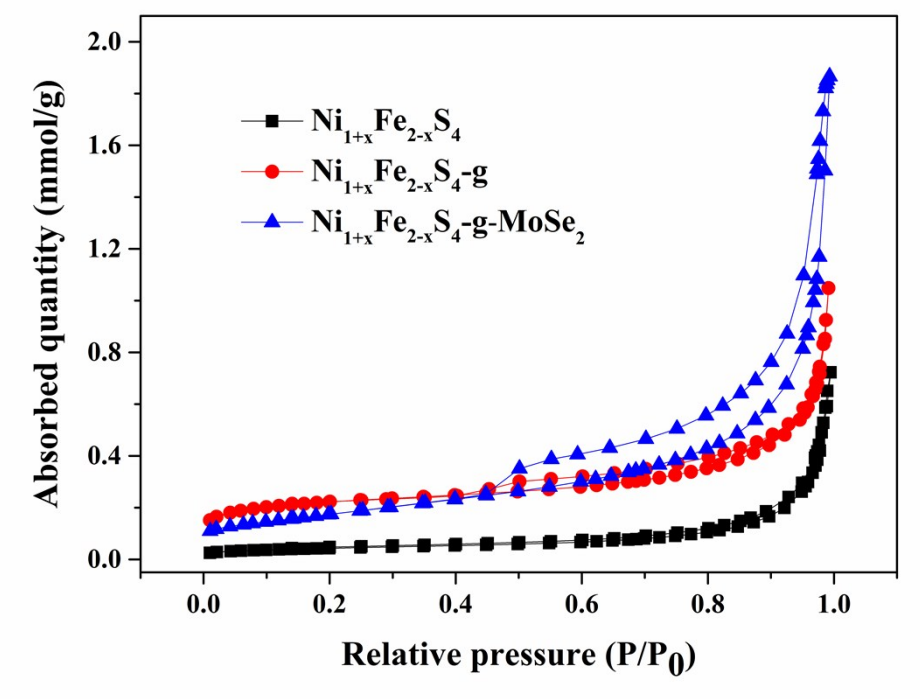

Figure S6 N_2 adsorption-desorption isotherm of of $Ni_{1+x}Fe_{2-x}S_4$, $Ni_{1+x}Fe_{2-x}S_4$-g and $Ni_{1+x}Fe_{2-x}S_4$-g-$MoSe_2$.