

Supporting Information

Free-standing $\text{Ni}_3(\text{VO}_4)_2$ Nanosheet Arrays on Aminated r-GO Sheets for Supercapacitor Applications

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Fig. S1 (a) SEM and (b-d) TEM images of NiV@r-GO nanocomposites (having 0.5/0.25 Ni/V molar ratio).

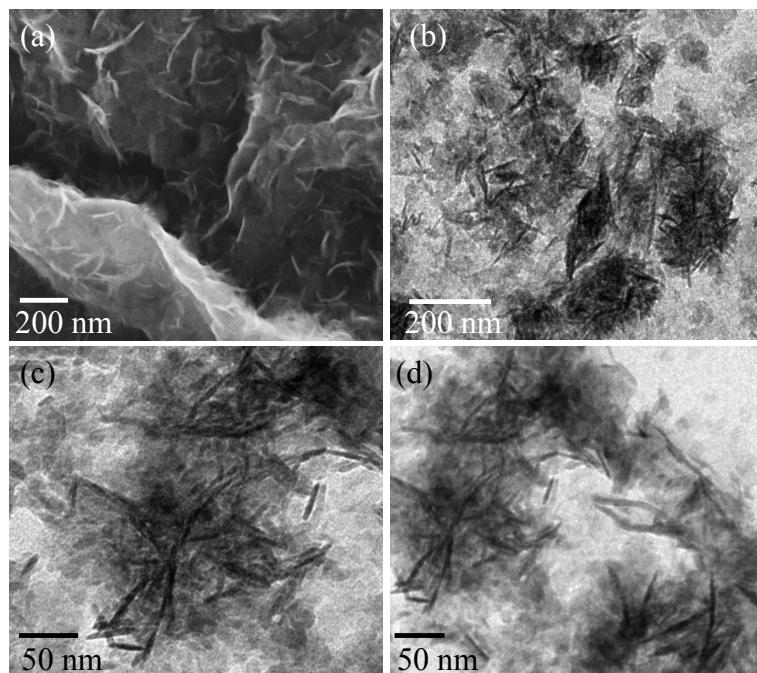


Fig. S2 (a and b) SEM images, (c) TEM image and (d) SAED pattern of aminated r-GO sheets.

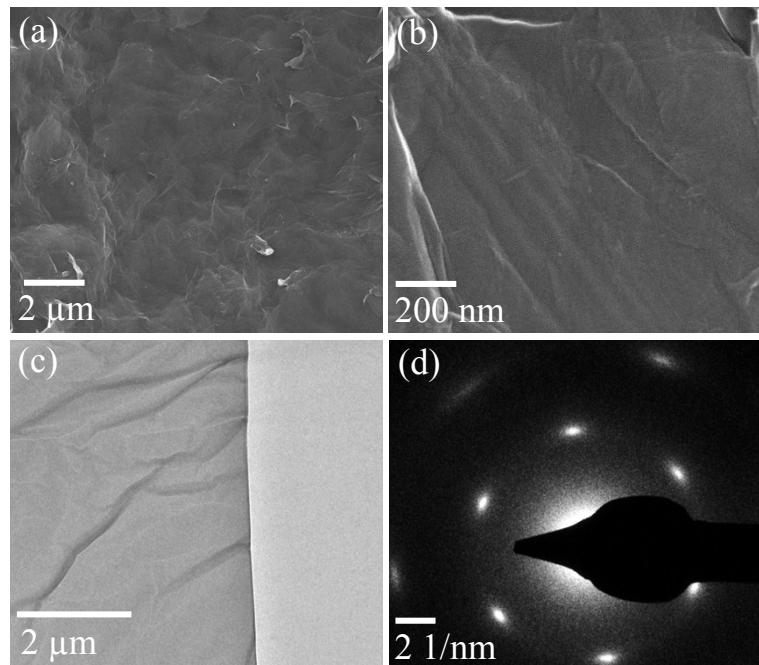


Fig. S3 SEM images of NiV@r-GO nanocomposites having Ni/V mole ratio; (a) 0.25/0.125 and (b) 1/0.5.

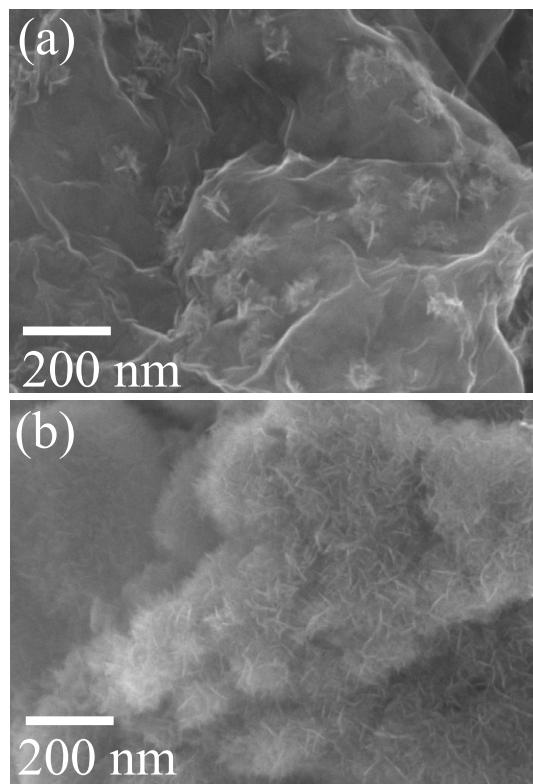


Fig.S4 Raman spectrum of aminated r-GO sheets.

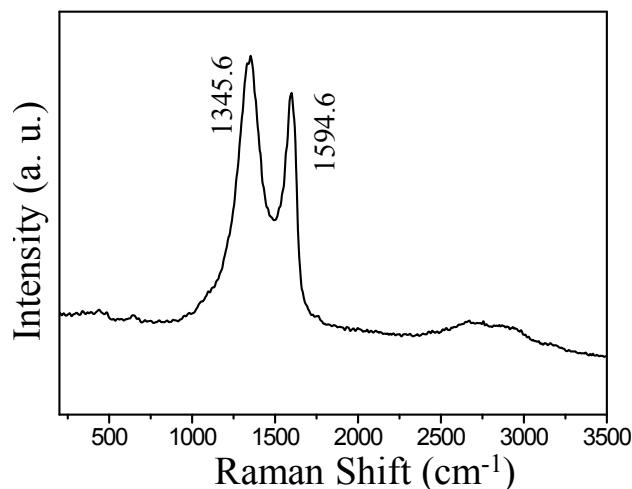


Fig.S5 BET surface area of aminated r-GO sheets.

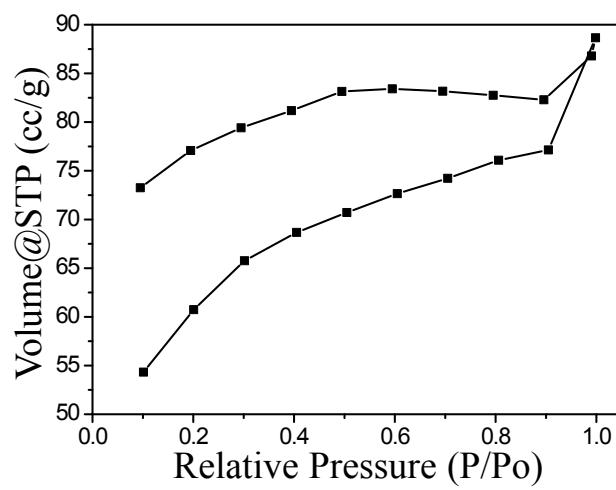


Fig. S6 (a) CV, (b) GCD and (c) specific capacity of aminated r-GO sheets and NiV@r-GO nanocomposites.

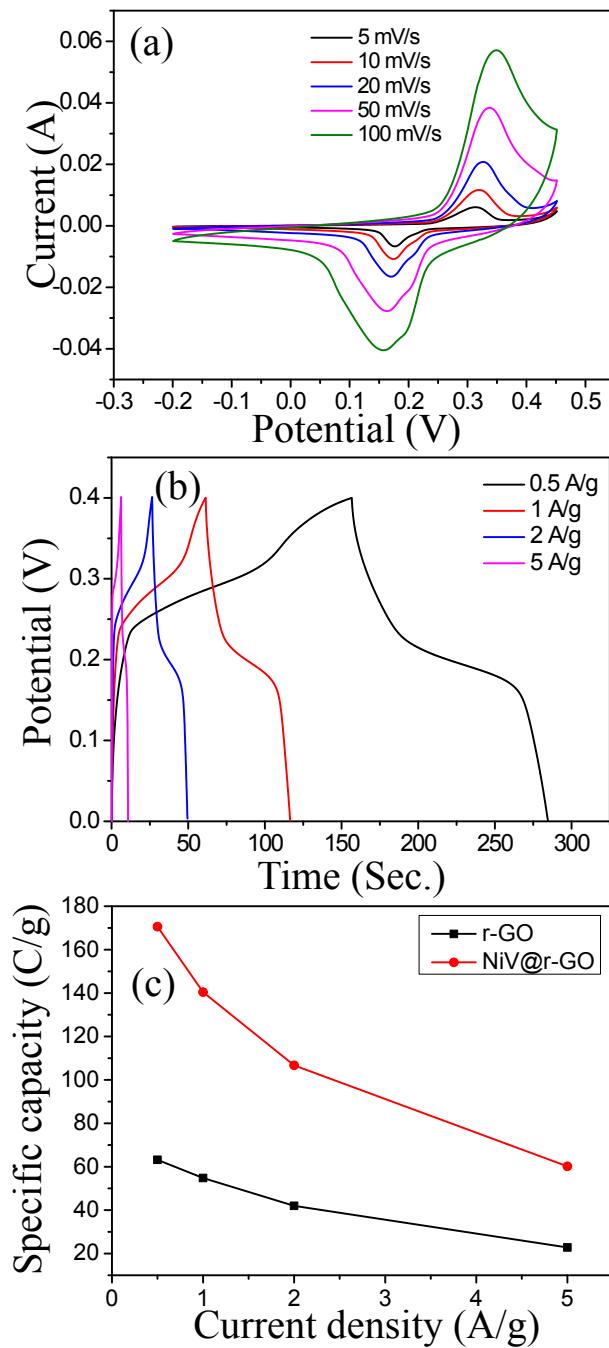


Fig. S7 Electrochemical performance in term of specific capacitance (F/g) for both r-GO and NiV@r-GO nanocomposites.

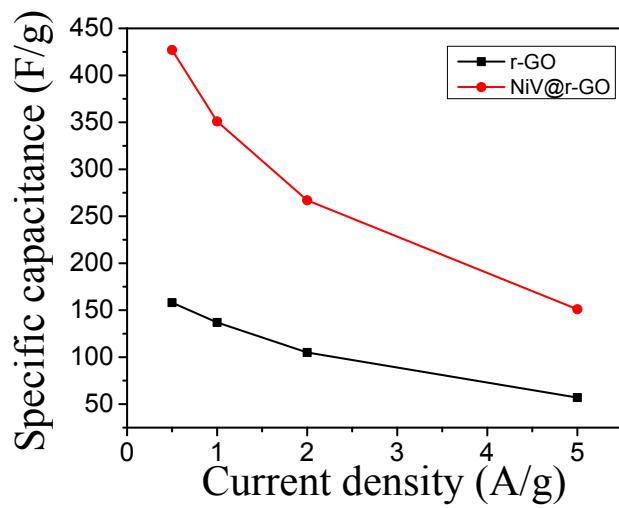


Fig. S8 GCD curve of NiV@r-GO nanocomposites having Ni/V mole ratio; (a) 0.25/0.125 and (b) 1/0.5.

