Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Supporting Information

Two-Dimensional Heterostructures of V_2O_5 and Reduced Graphene Oxide as Electrodes for High Energy Density Asymmetric Supercapacitors

*D. H. Nagaraju, Qingxiao Wang, P. Beaujuge, and H. N. Alshareef**

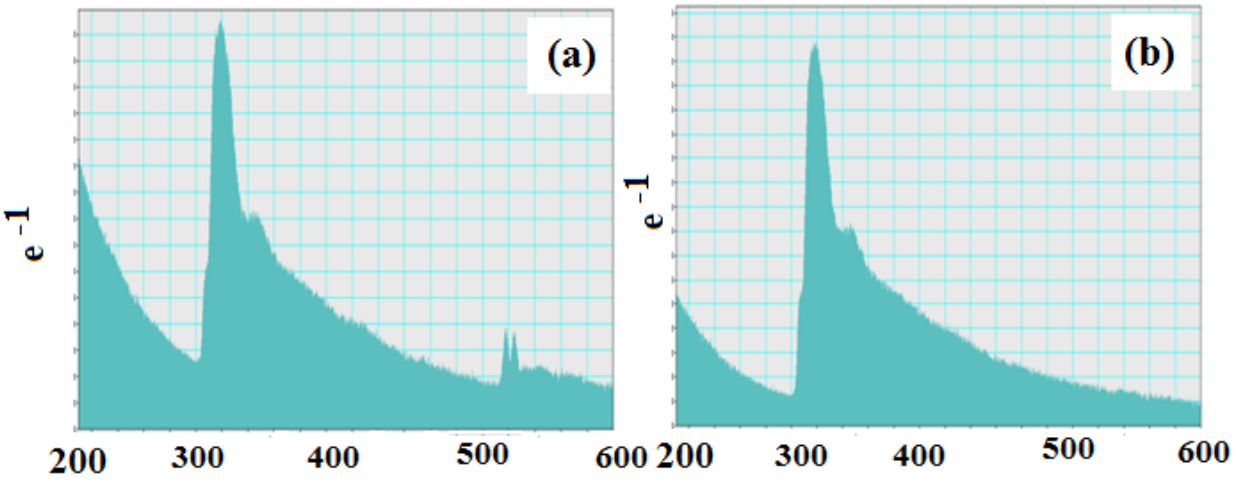

Figure S1. EELS spectra of (a) rGO/V_2O_5 NS composite and (b) only on graphene region

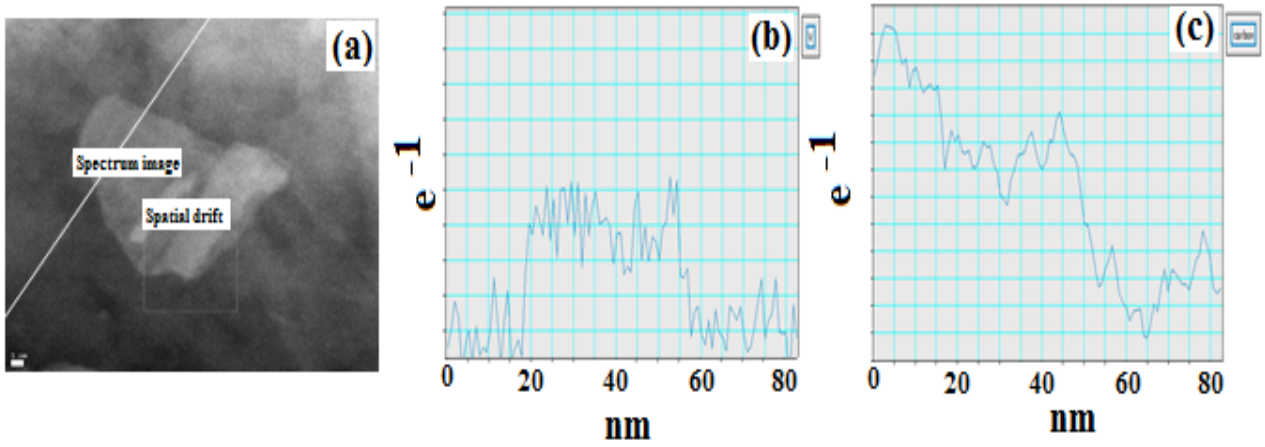

Figure S2. STEM image of the rGO/V_2O_5 NS (a), line spectrum on V_2O_5 NS region (b) and line spectrum on graphene region (c)

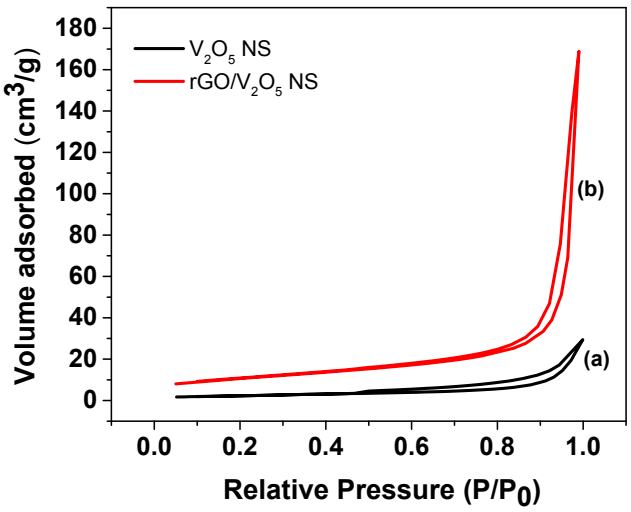

Figure S3. N_2 adsorption-desorption isotherms of (a) V_2O_5 NS and (b) rGO/V_2O_5 NS.

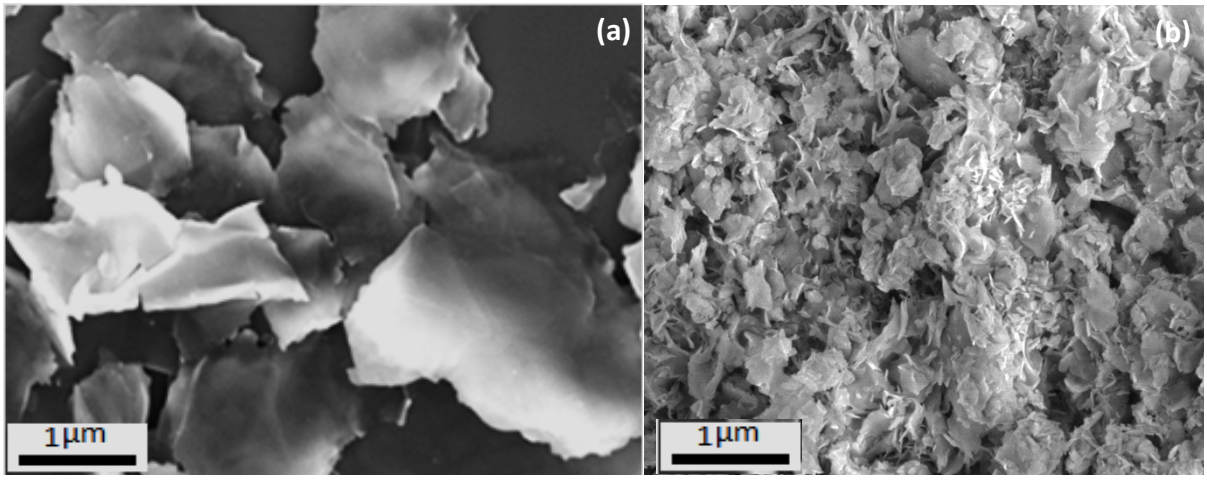

Figure S4. SEM images of the (a) V_2O_5 NS and (b) rGO/V_2O_5 NS.

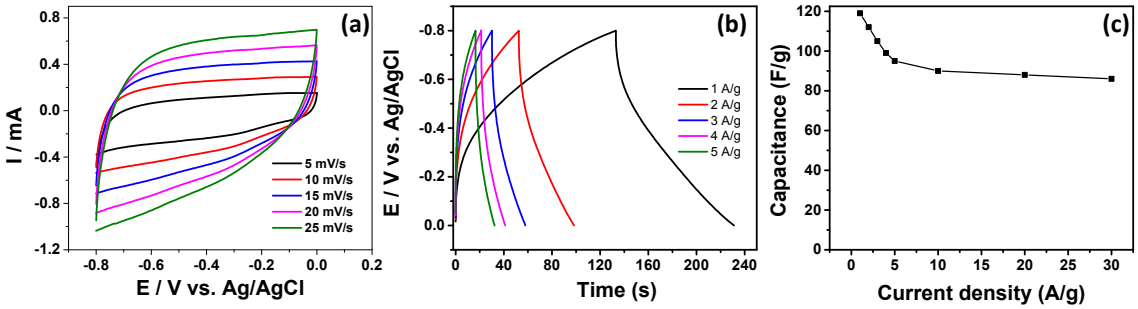

Figure S5. CVs of (a) rGO in 1 M KCl at different scan rates (b) galvanostatic charge-discharge characteristics at different current densities and (c) the plot of variation of capacitance with current density.