

Electronic Supplementary Information

In-situ anchoring uniform MnO₂ nanosheets on three-dimensional macroporous graphene thin-films for supercapacitor electrodes

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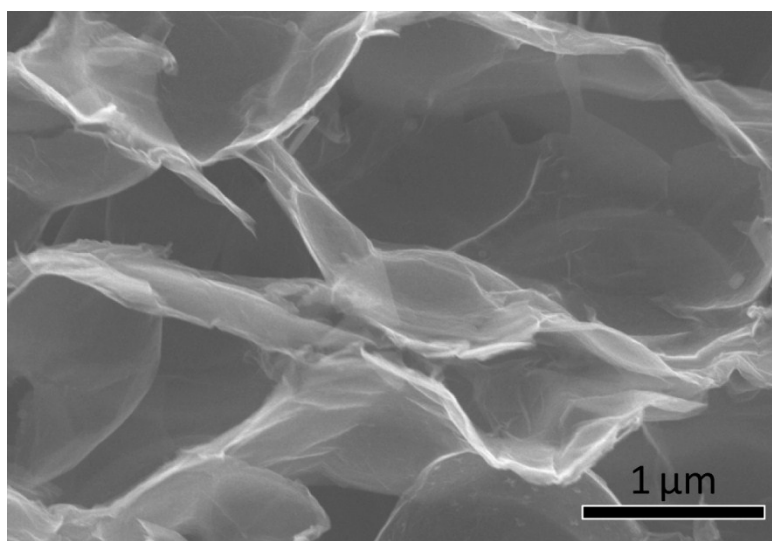


Fig. S1 Typical SEM image of the obtained 3D porous rGO thin-film after 20 minutes of hydrothermal process in 10 mM KMnO₄ solution.

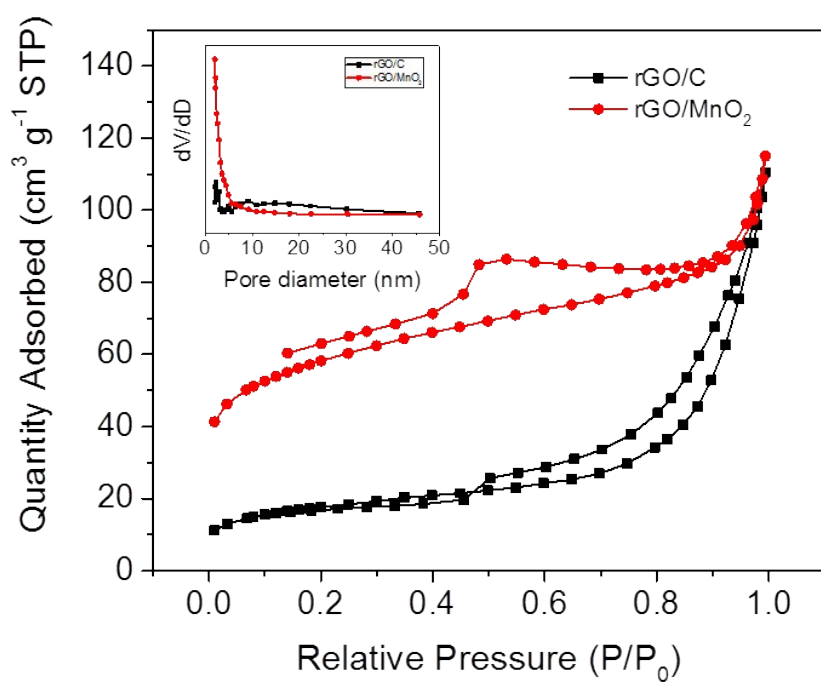


Fig. S2 N_2 adsorption/desorption isotherms and the corresponding pore size distribution of rGO/C and rGO/MnO₂ films.

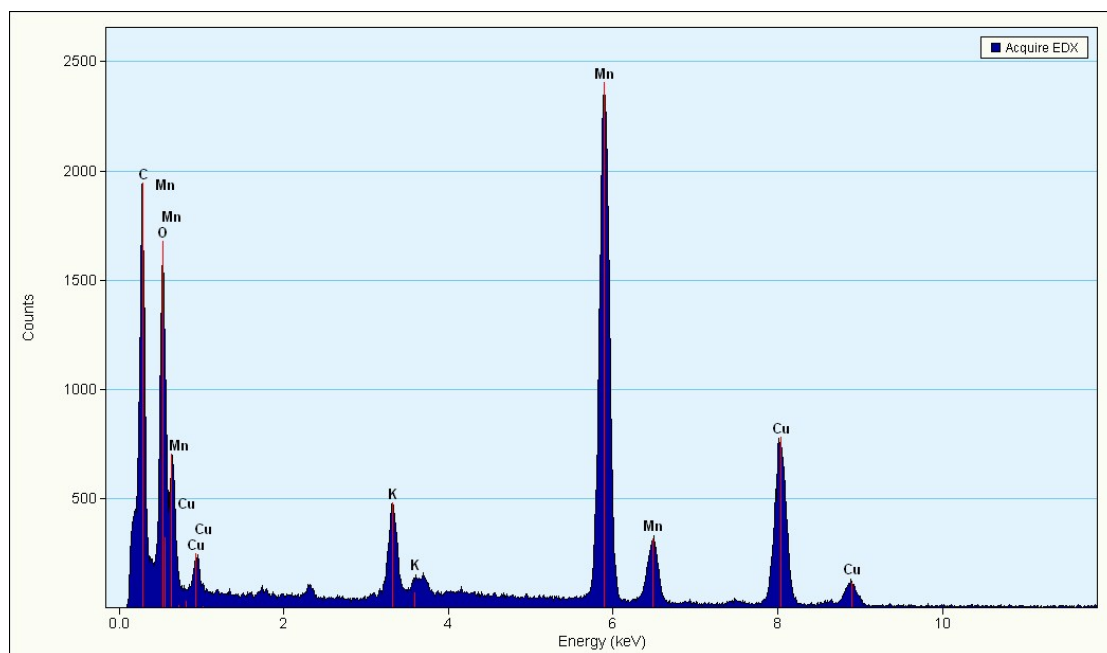


Fig. S3 Energy dispersing X-ray spectrum of the rGO/MnO₂.

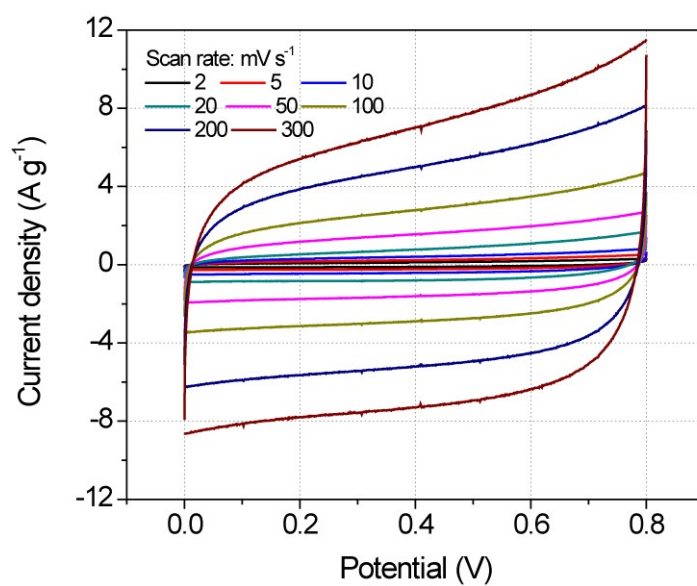


Fig. S4 CV curves of the rGO/C electrodes under different scan rates from 2 mV s^{-1} to 300 mV s^{-1}

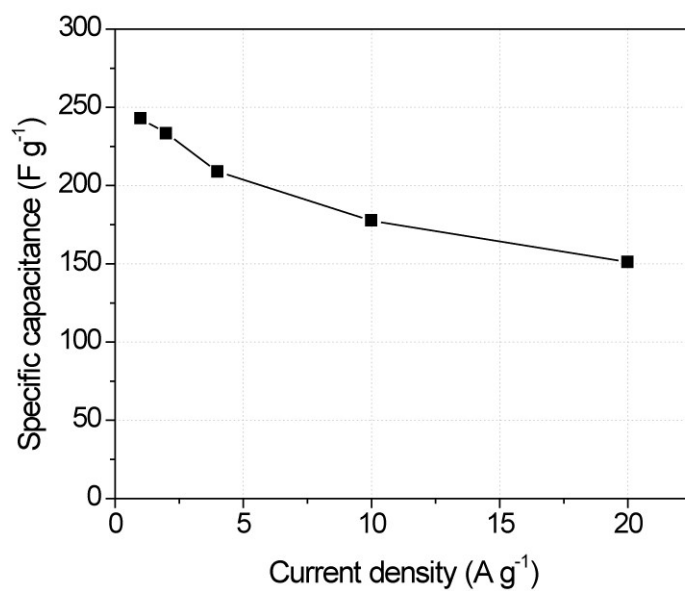


Fig. S5 Specific capacitances calculated from the GCD curves of rGO/MnO₂ films under different charge density from 1 A g^{-1} to 20 A g^{-1} .