

Electronic Supplementary Information

Graphene-based Nitrogen-doped Carbon Sandwich Nanosheets: New Capacitive Process Controlled Anode Material for High-performance Sodium-ion Batteries

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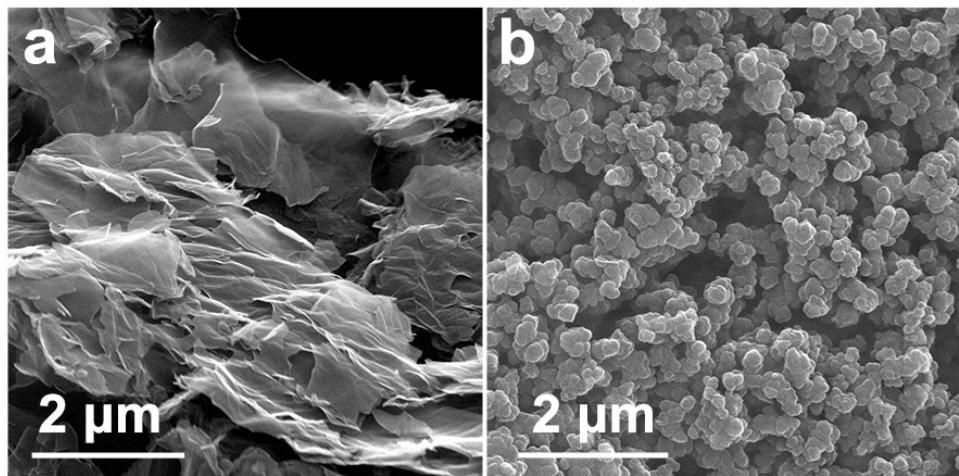


Fig. S1 SEM images of G (a) and NC (b).

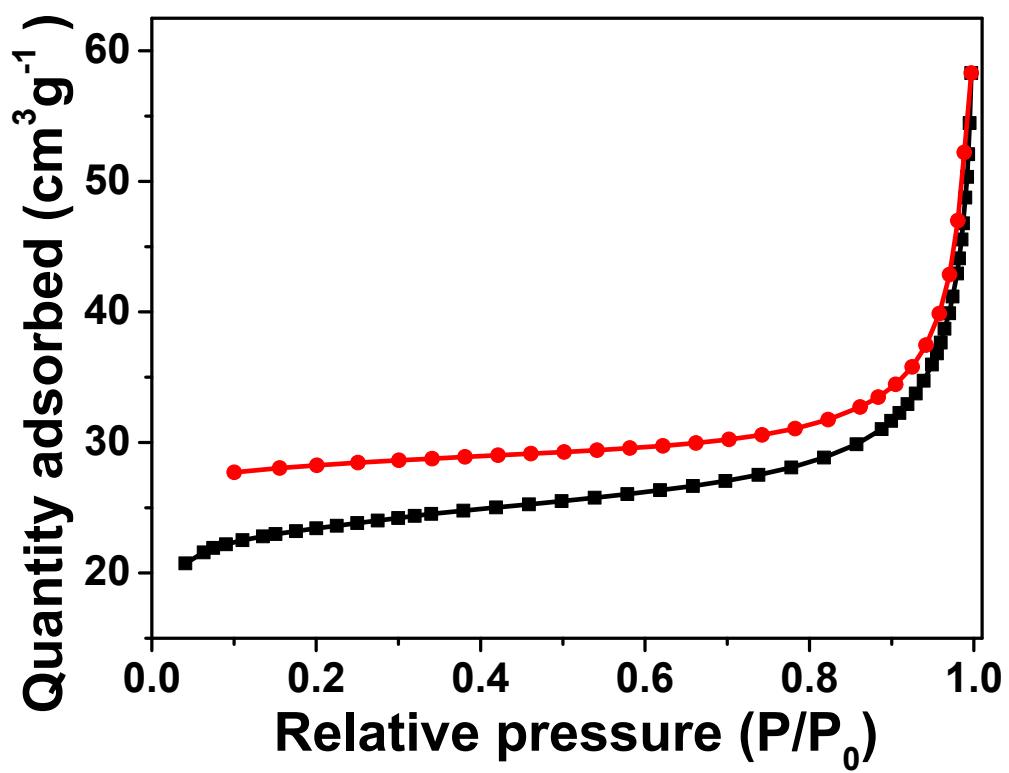


Fig. S2 N_2 adsorption-desorption isotherms of NC.

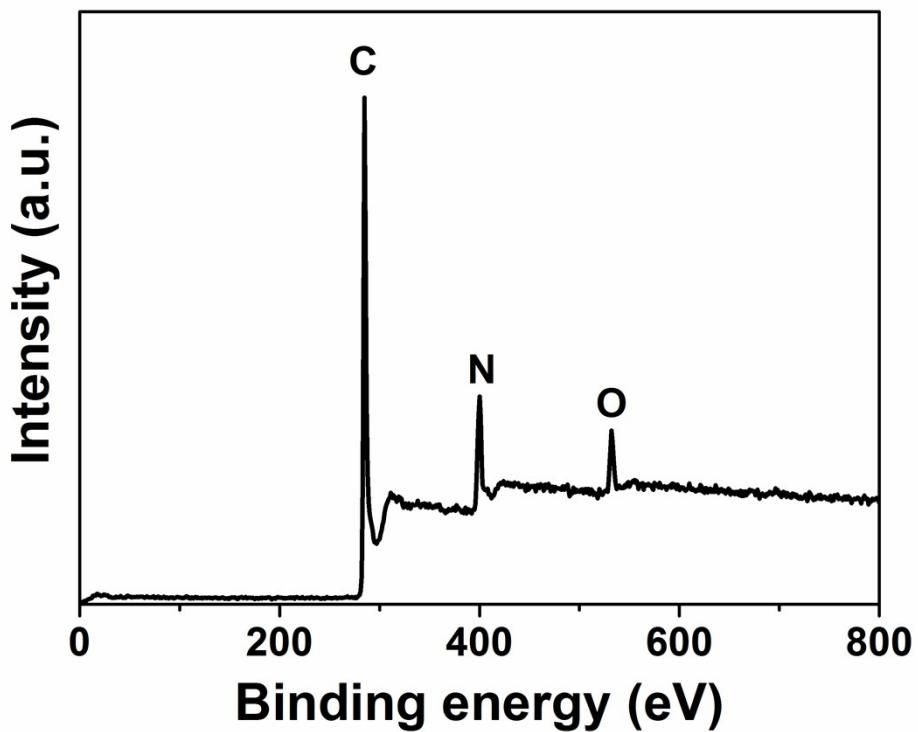


Fig. S3 XPS survey spectrum of G-NCs-5.

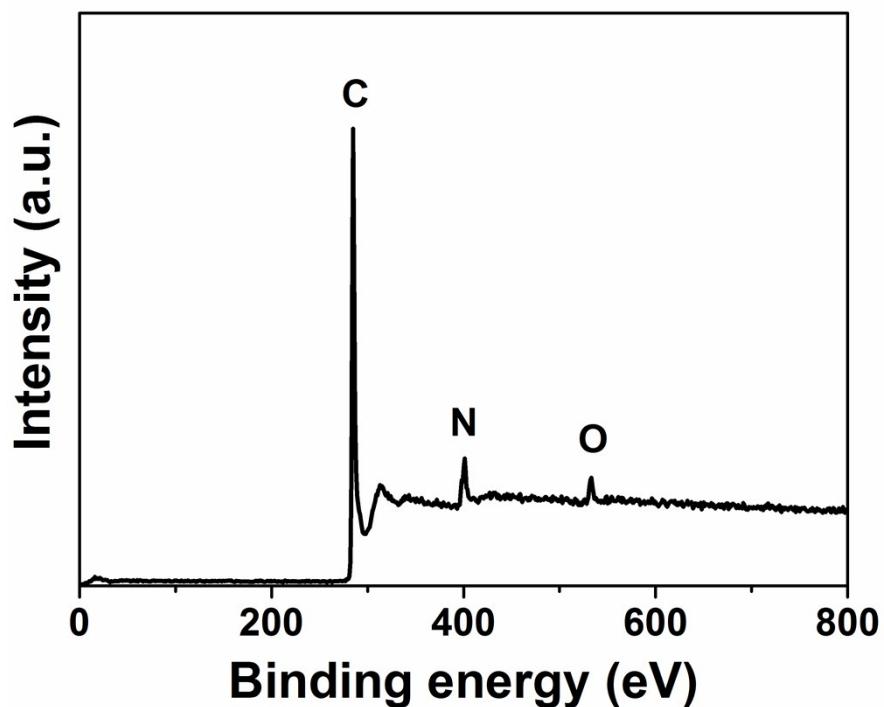


Fig. S4 XPS survey spectrum of G-NCs-9.

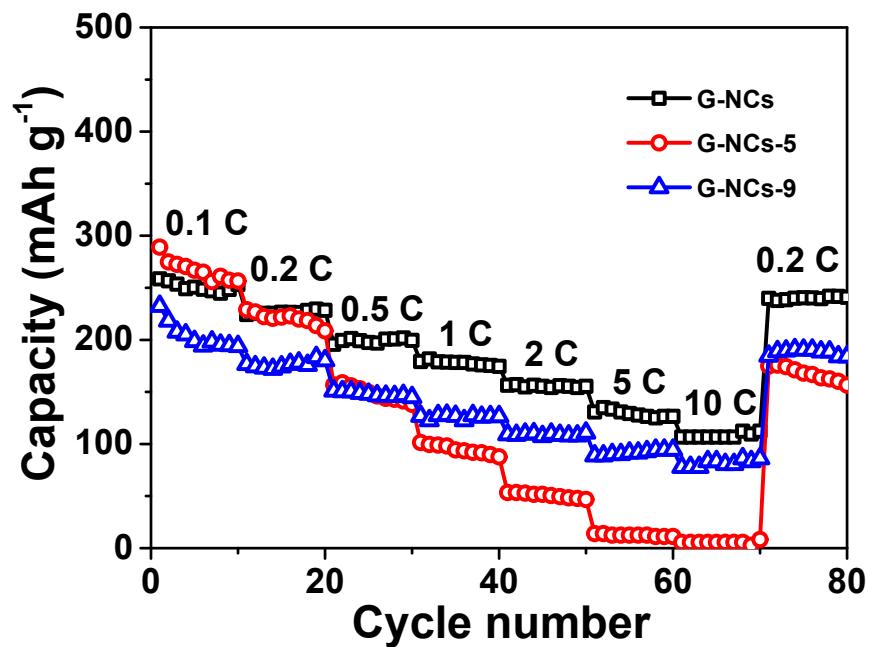


Fig. S5 Rate capability of G-NCs, G-NCs-5 and G-NCs-9 between 0.01 and 3 V.

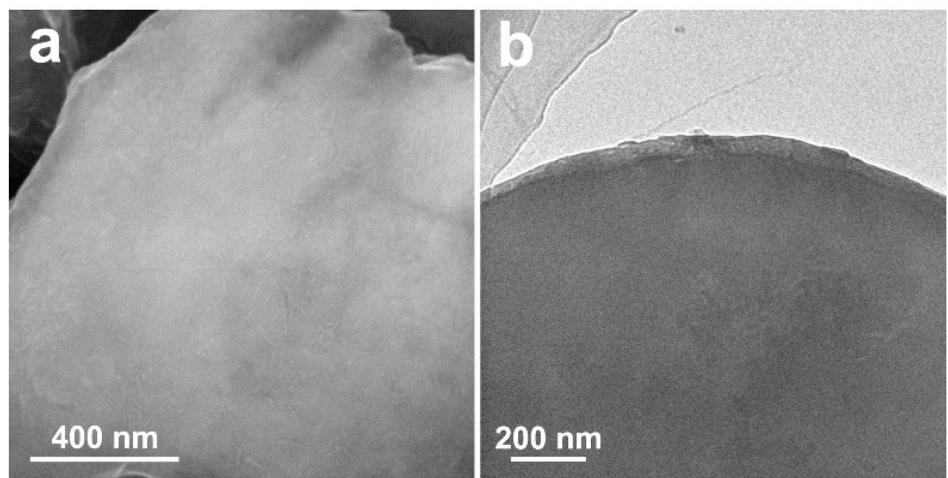


Fig. S6 SEM (a) and TEM (b) images of G-NCs electrode after 50 cycles.

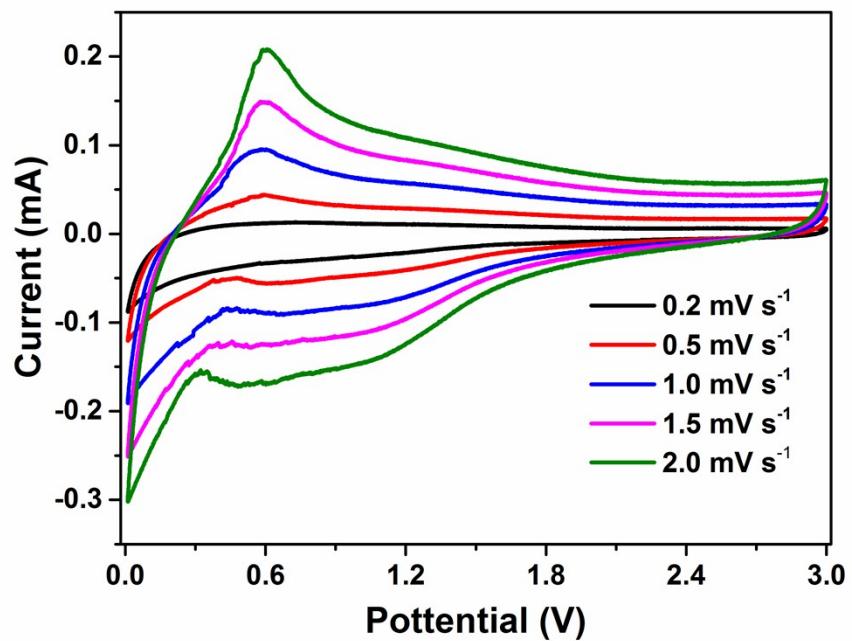


Fig. S7 CV curves of G electrode at different sweep rates.

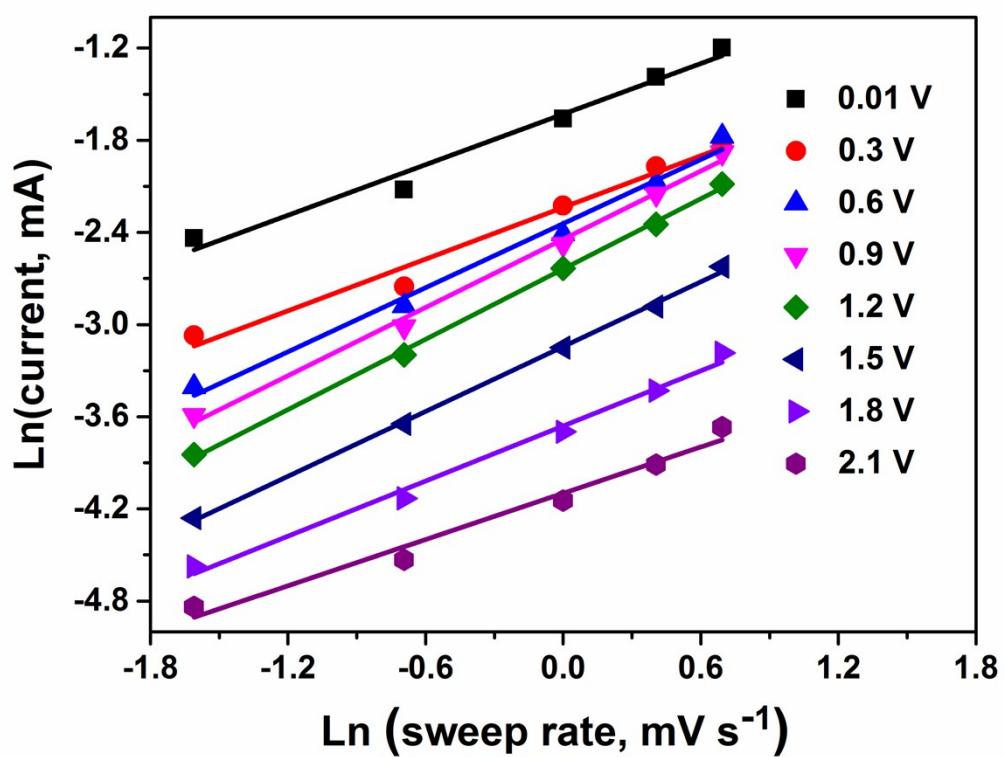


Fig. S8 Linear relationships between logarithm currents $\ln(i)$ and logarithm sweep rate $\ln(v)$ of G CV curves.

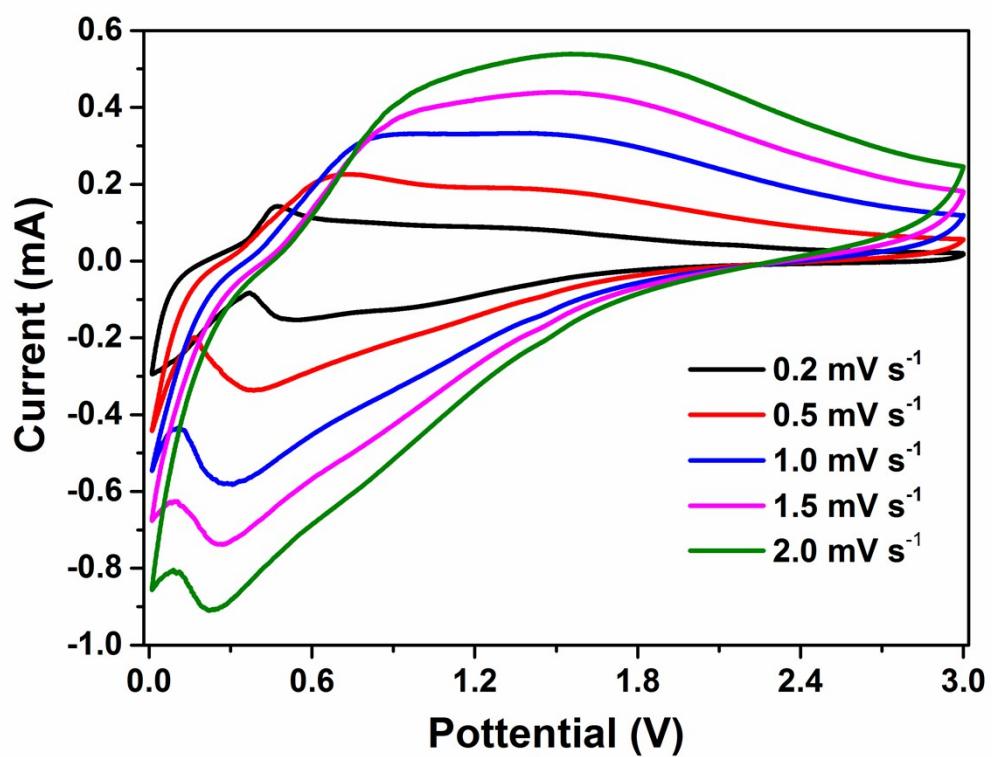


Fig. S9 CV curves of NC electrode at different sweep rates.

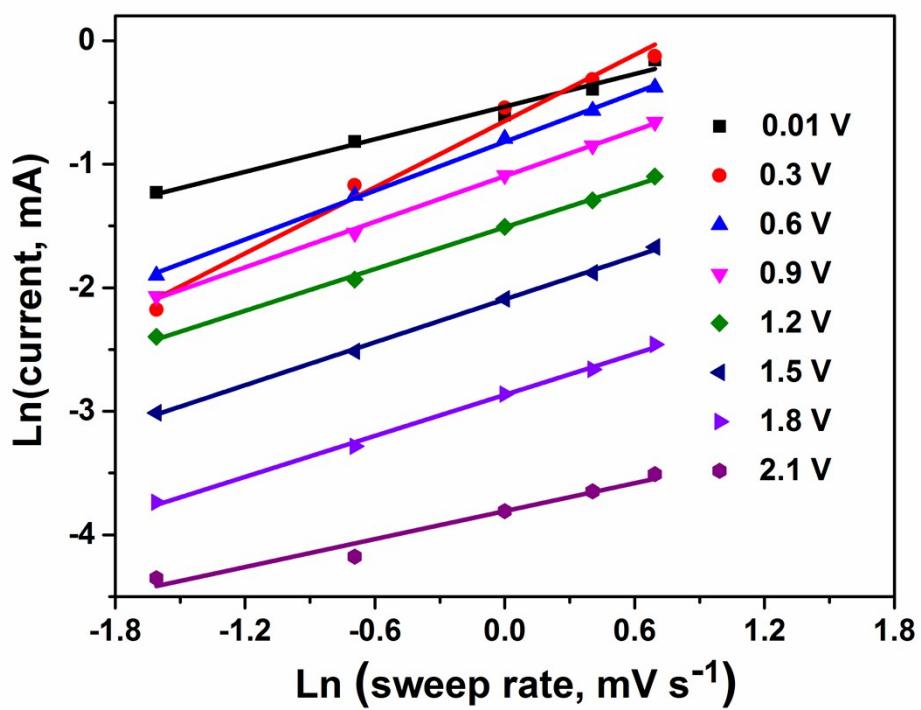


Fig. S10 Linear relationships between logarithm currents $\ln(i)$ and logarithm sweep rate $\ln(v)$ of NC CV curves.