

One-Pot Synthesis of Hematite@Graphene Core@Shell Nanostructures for Superior Lithium Storage

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Figure S1. Typical digital photograph of 1 mg/mL GO suspension.

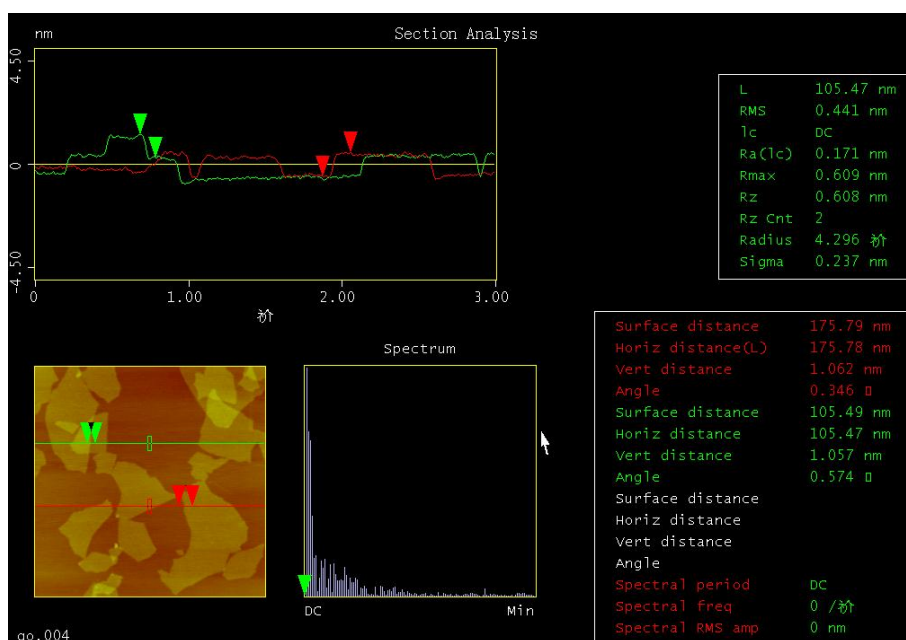


Figure S2. AFM image and section analysis of GO nanosheets

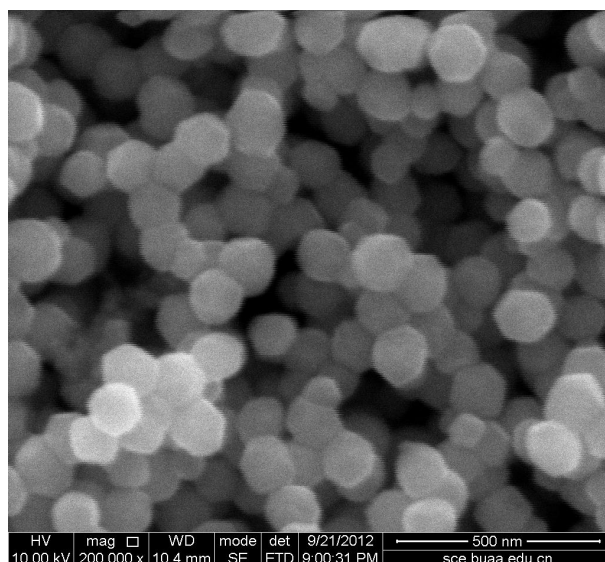


Figure S3. Typical SEM image of **pristine HNs**.

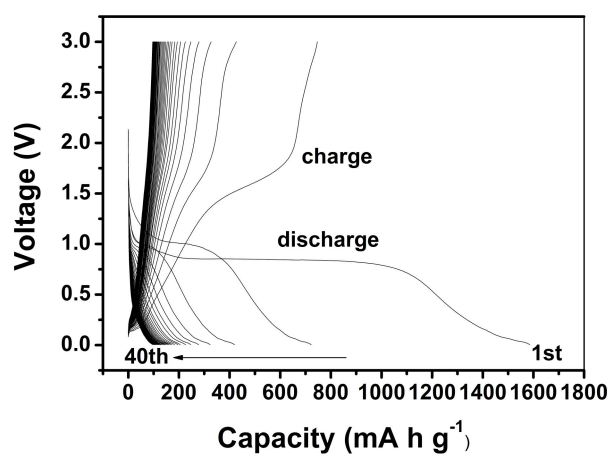


Figure S4. Galvanostatic discharge-charge profiles of bare HN electrode at 200 mA g⁻¹.

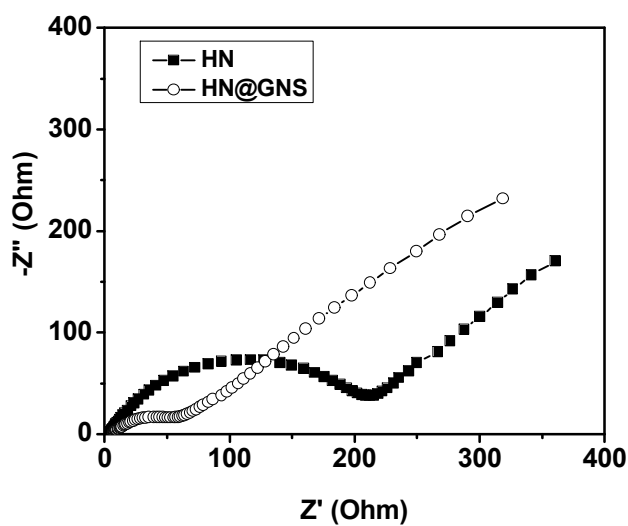


Figure S5. Nyquist plots of HN and HN/GNS electrodes obtained by applying a sine wave with amplitude of 5.0 mV over the frequency range from 100 kHz to 0.01 Hz.