

A facile hydrazine-assisted hydrothermal method for the deposition of monodisperse SnO₂ nanoparticles onto graphene for lithium ion batteries

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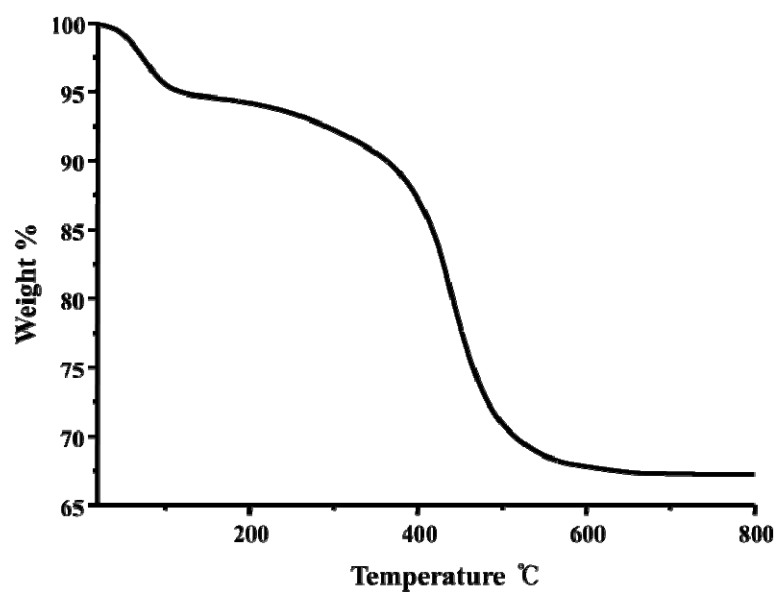


Fig S1. TGA curve of GO-S

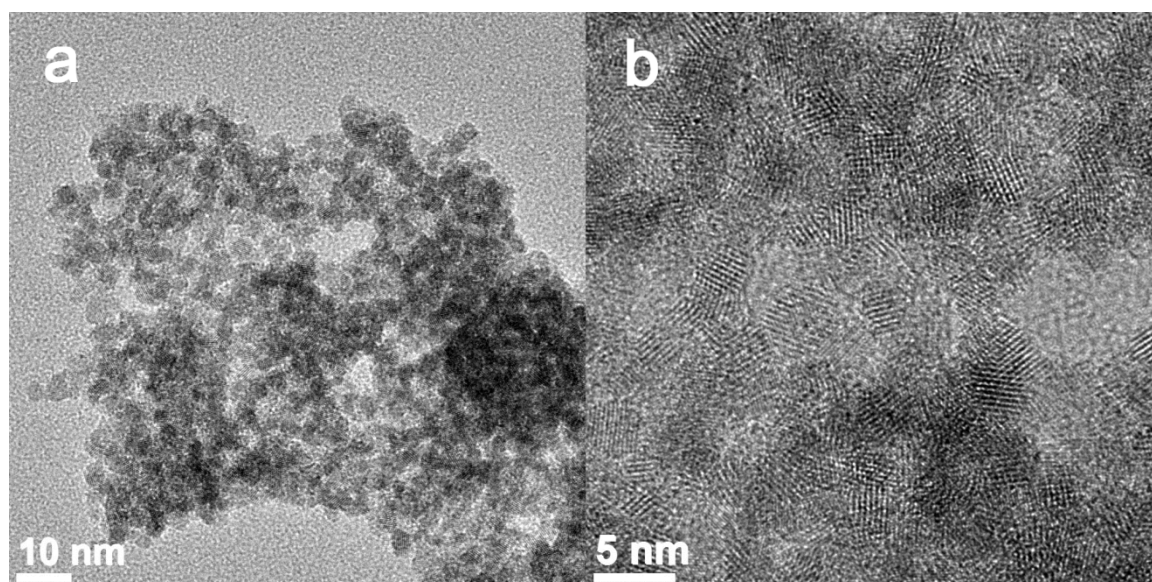


Fig S2. (a) A TEM and (b) HRTEM image of SnO₂ nanoparticles

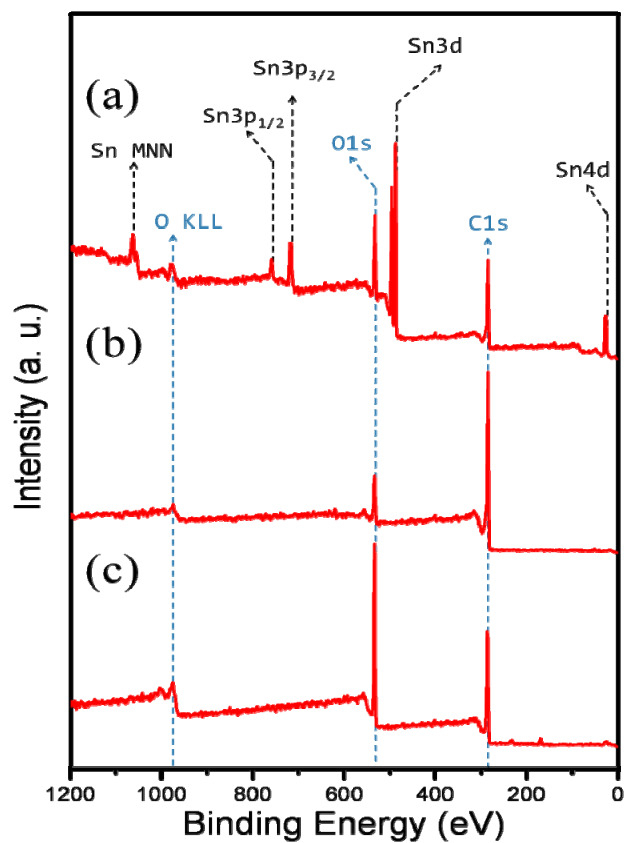


Fig S3. XPS spectra: survey scan of (a) GO-S, (B) GNS, (C) GO

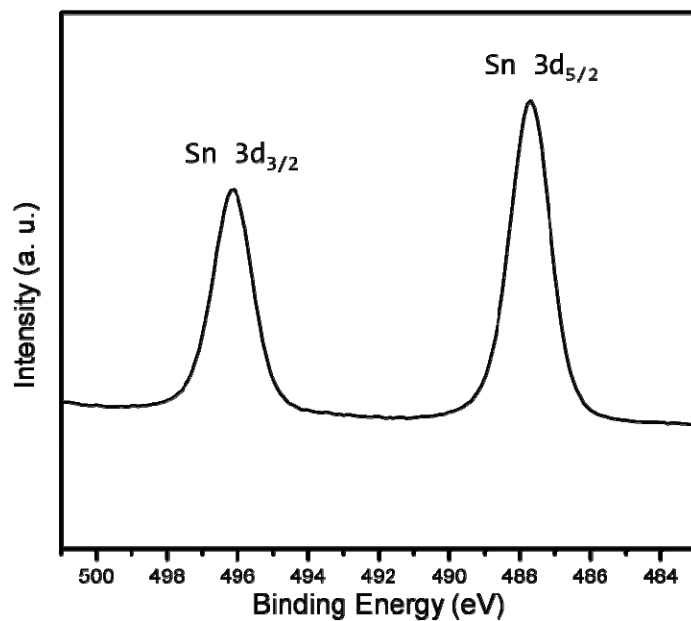


Fig S4. XPS spectrum: high-resolution Sn 3d of GO-S

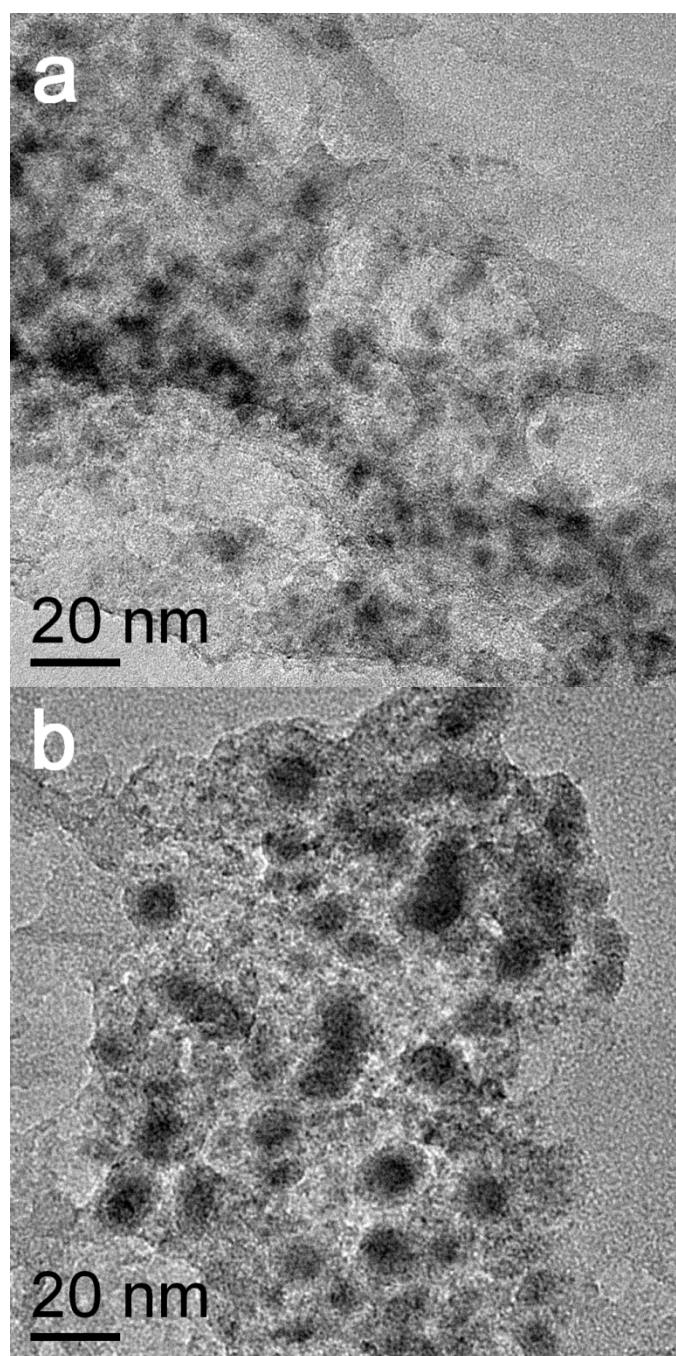


Fig S5. HRTEM images of (a) GO-S and (b) SnO₂ nanoparticles after cycle for 20 cycles. The cells were cycled at a current density of 100 mA g⁻¹ for the first cycle and at a current density of 400 mA g⁻¹ for the remaining 19 cycles.