

Mono dispersed SnO₂ nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries

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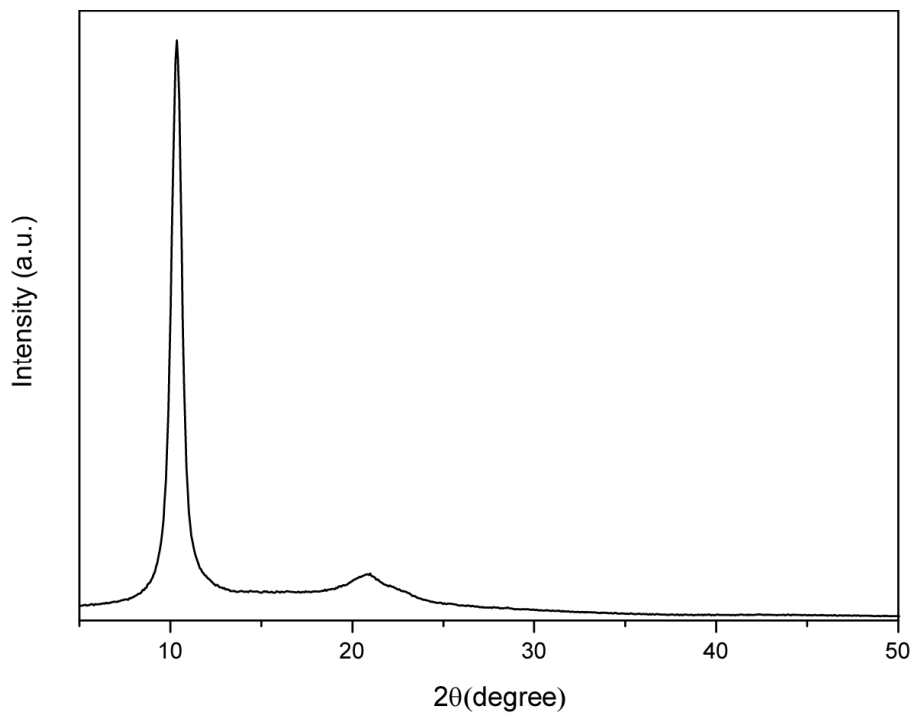


Figure S1 XRD pattern of GO

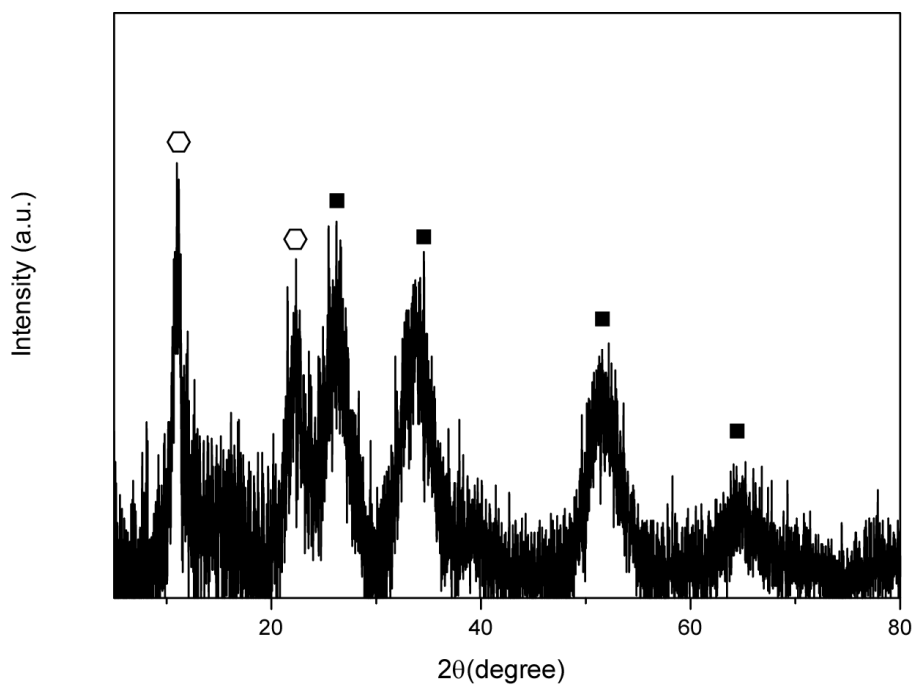


Figure S2 XRD pattern of SnO₂@GO, peaks denoted with (◻) and (■) belonged to GO and SnO₂, respectively.

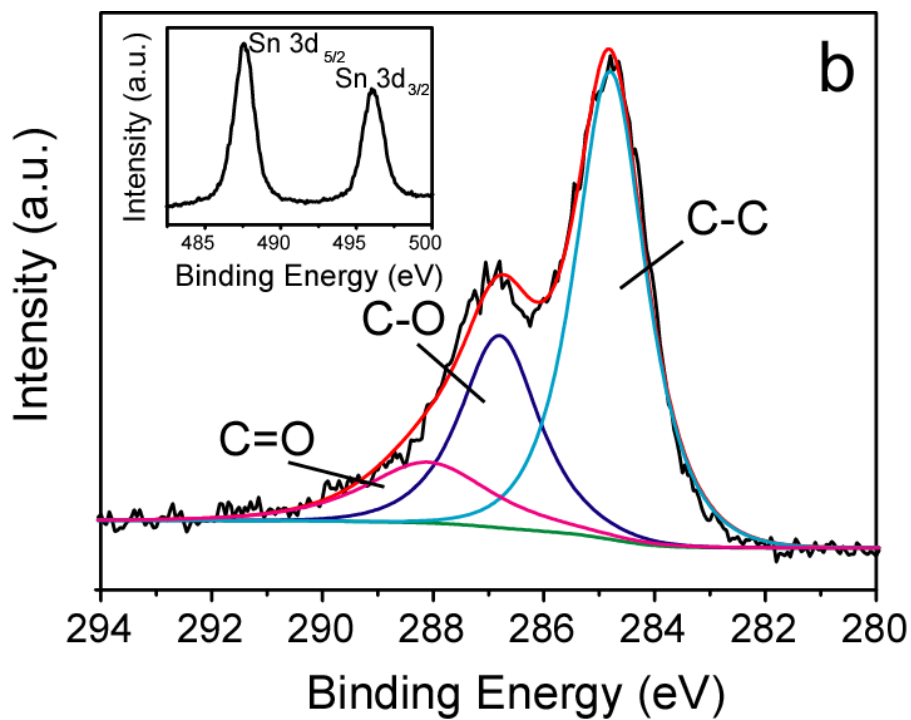


Figure S3 C 1s XPS of SnO₂-GO, inset shows the Sn 3d XPS.

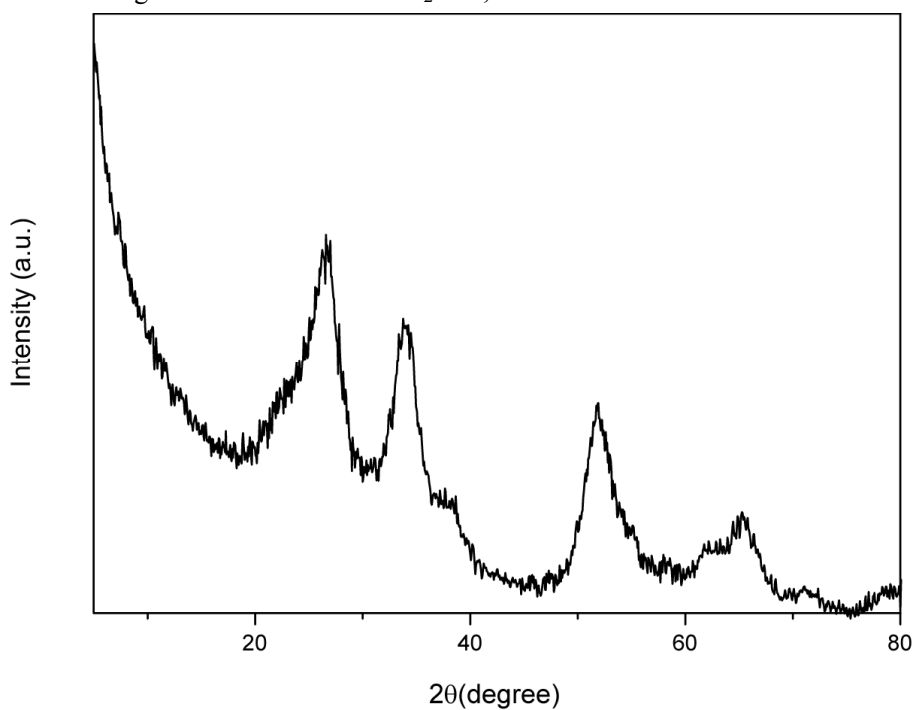


Figure S4 XRD pattern of SnO₂-G.

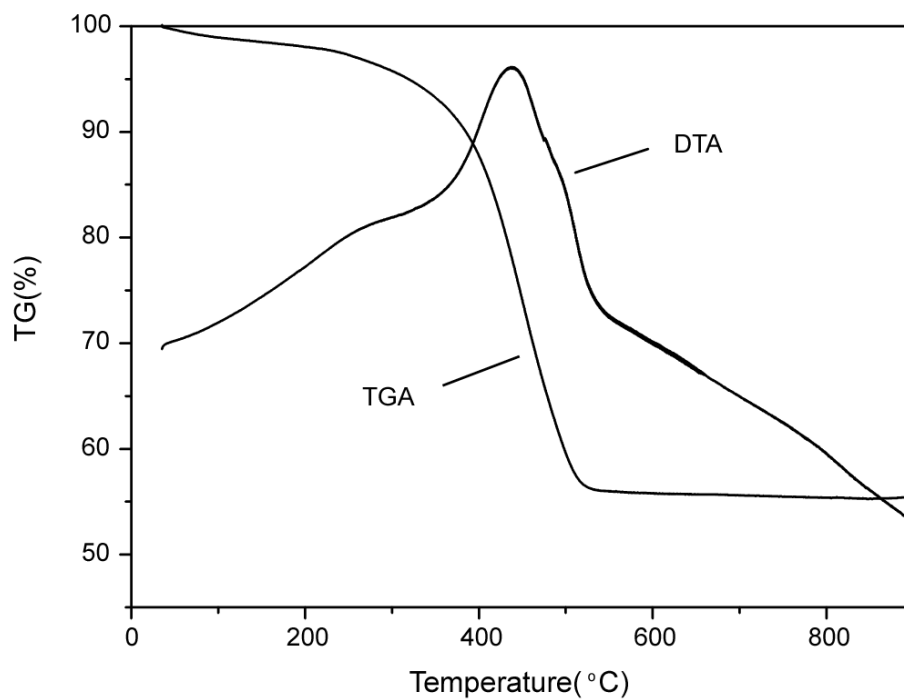


Figure S5 TGA and DTA curves of SnO₂-G

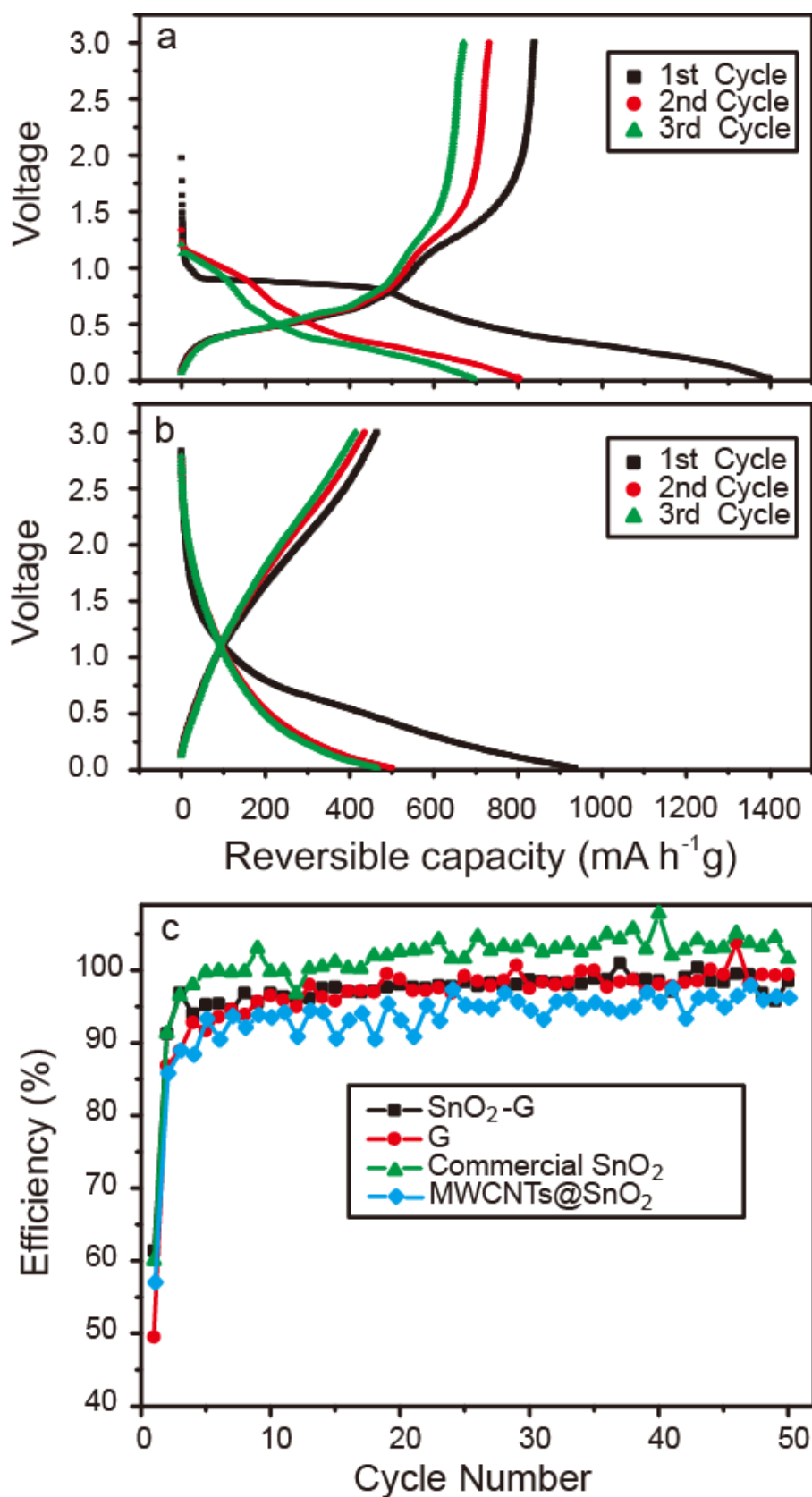


Figure S6 Charge/discharge profile of (a) Commercial SnO₂; (b) As prepared graphene; (c) coulomb efficiency of SnO₂-G, commercial SnO₂ and as prepared G

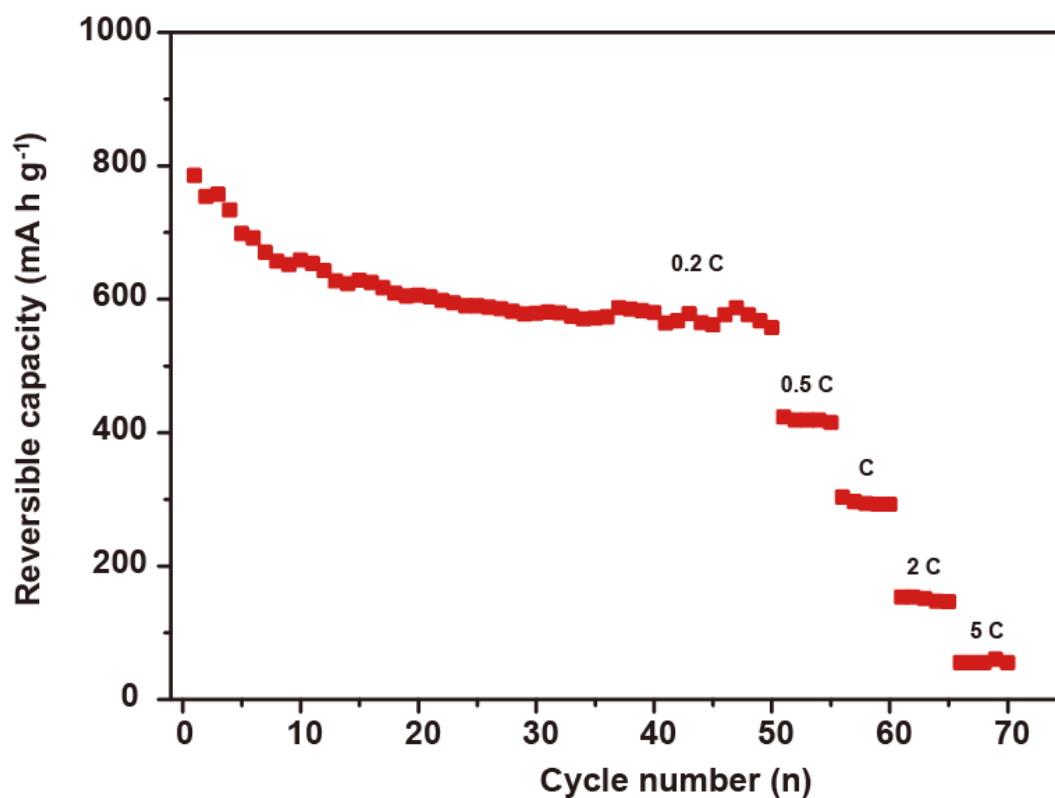


Figure S7 Rate performance of SnO₂-G nanocomposite

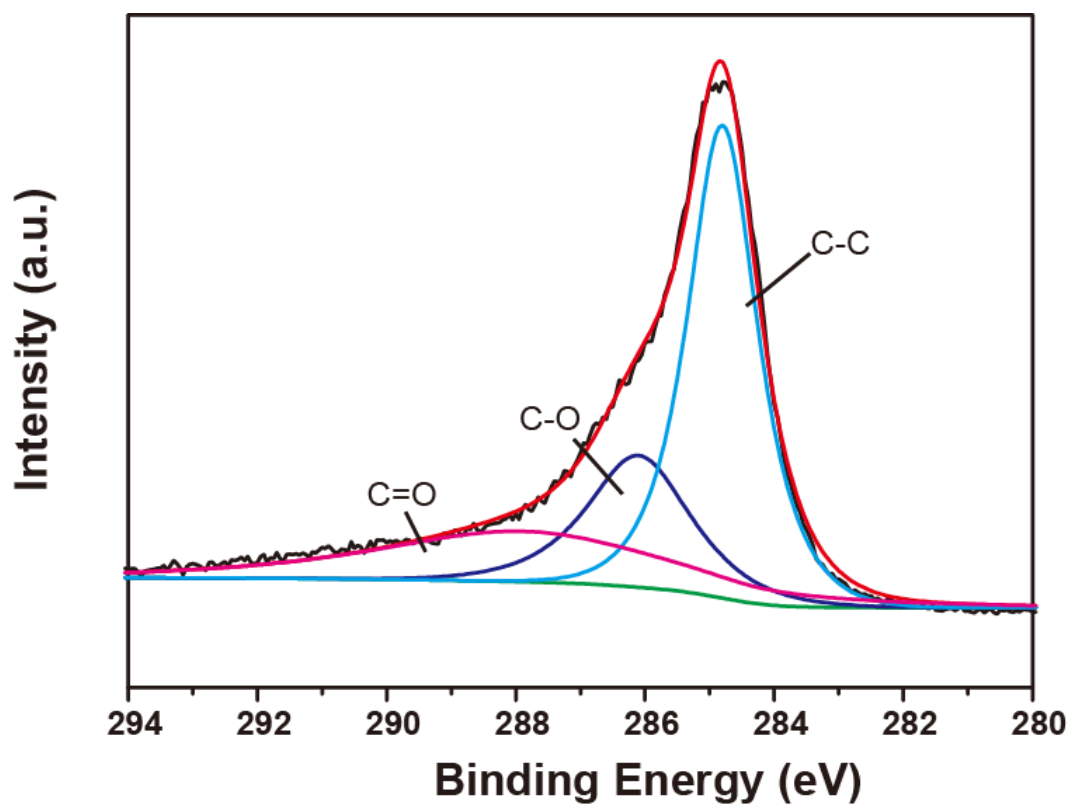


Figure S8 C 1s XPS of sole graphene obtained after heat treatment in Ar for 2 hours at 300 °C