

Fig. S1 XRD pattern of SnO₂NW@GNS

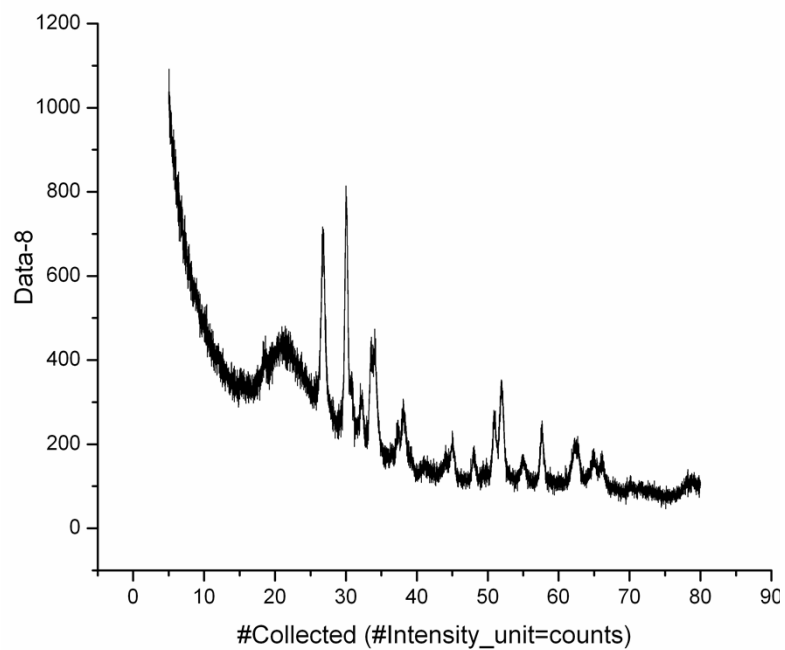


Fig. S2 (a) EDX of the tip of a nanowire and (b) EDX of a nanowire stem

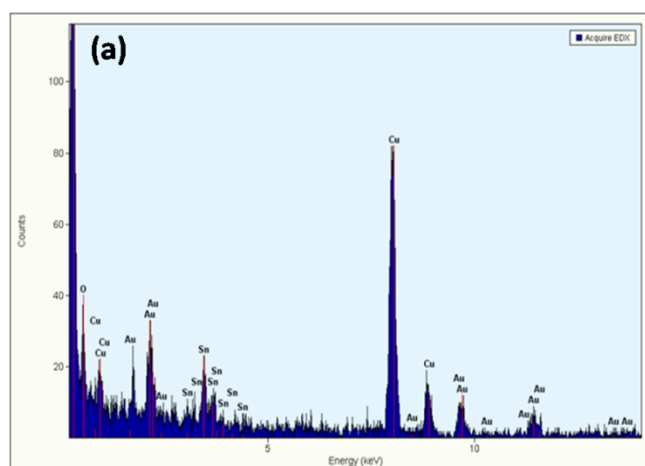


Fig. S3. CV of a graphene nanosheet (GNS) on the copper substrate

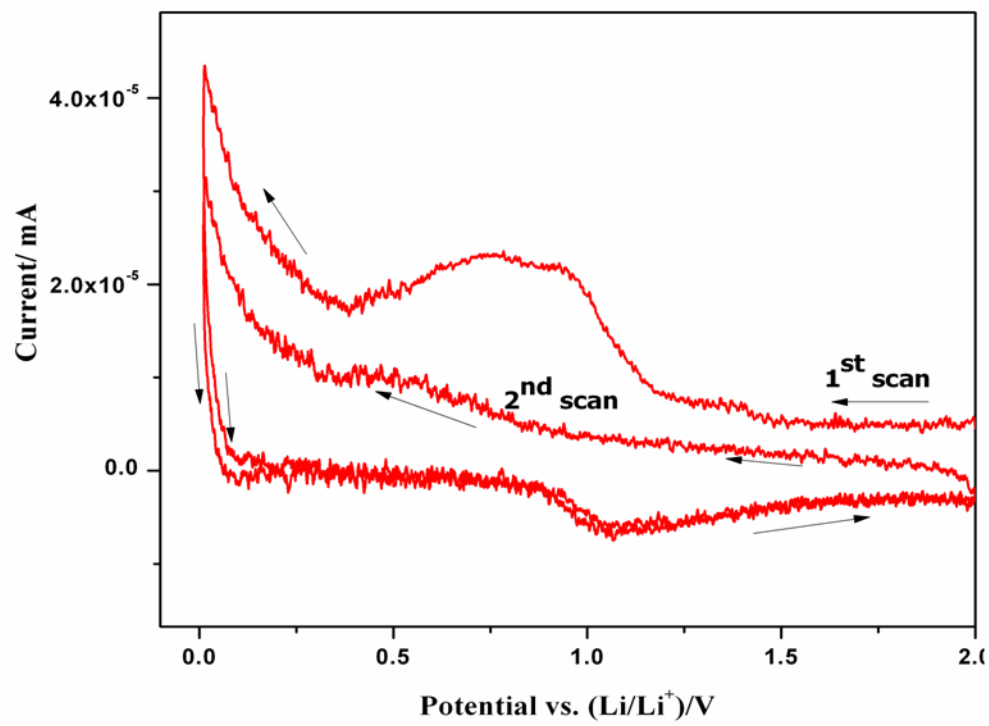


Fig. S4 The charge-discharge profiles of SnO₂ nanowires on copper substrates at a current density of 23 μAcm^{-2} for 50 cycles

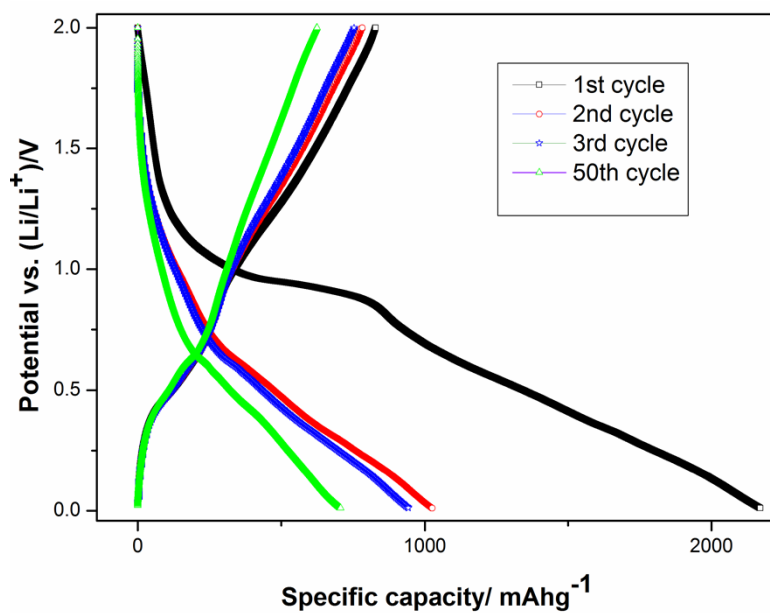


Fig. S5 Charge discharge curves for current densities

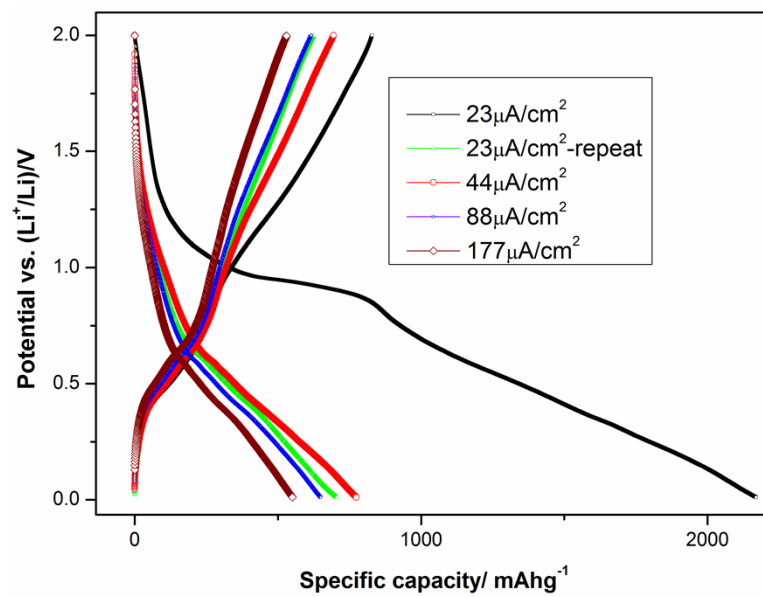


Fig. S6 XPS spectra of the electrode after the 50th cycle (a) Survey spectrum, (b) and (c) are Sn 3d and Li 1s peaks.

