

Supporting information

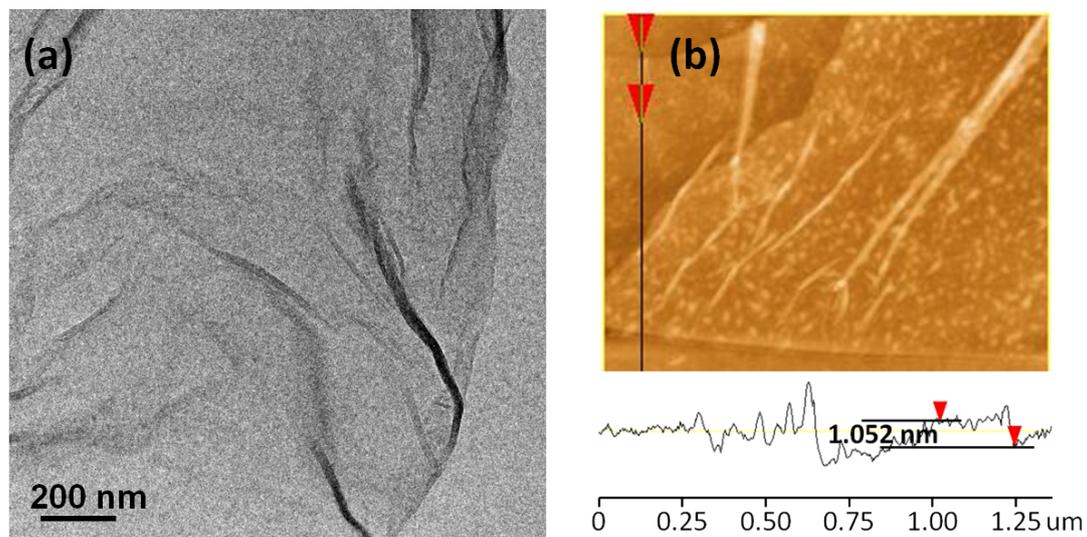


Figure S1. (a) TEM and (b) AFM of as-obtain GO.

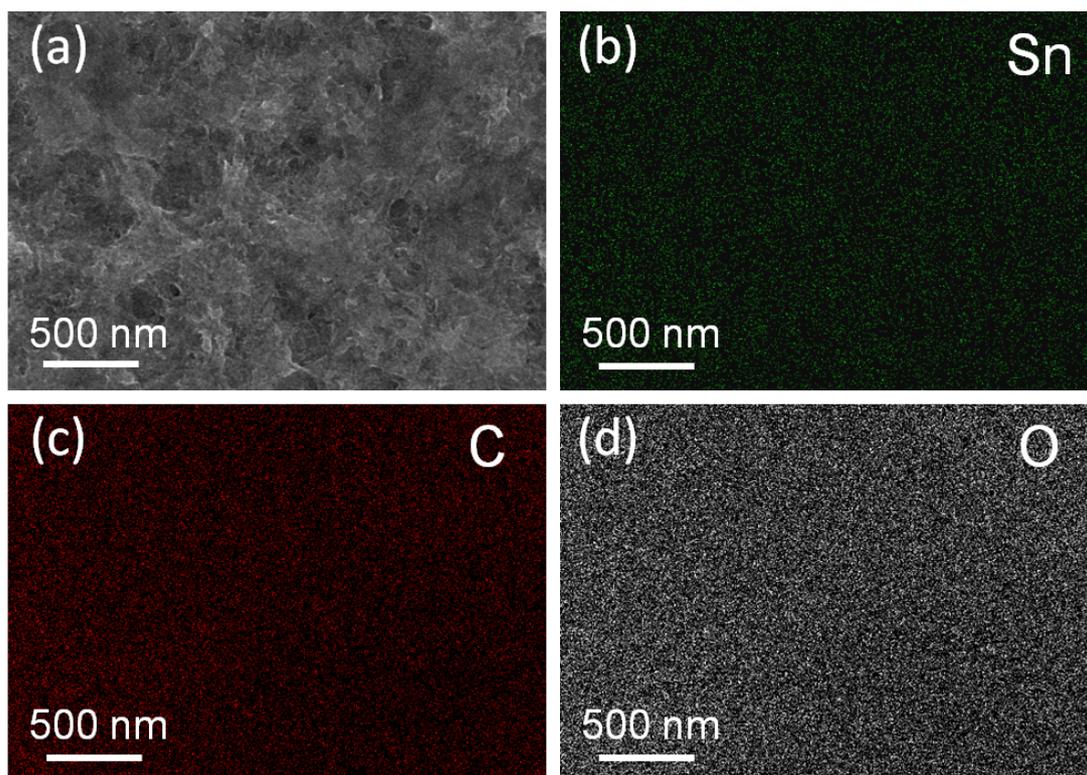


Figure S2. (a) SEM image of SnO₂/G and corresponding EDS mapping showing the relative intensities of (b) tin, (c) carbon, and (d) oxygen.

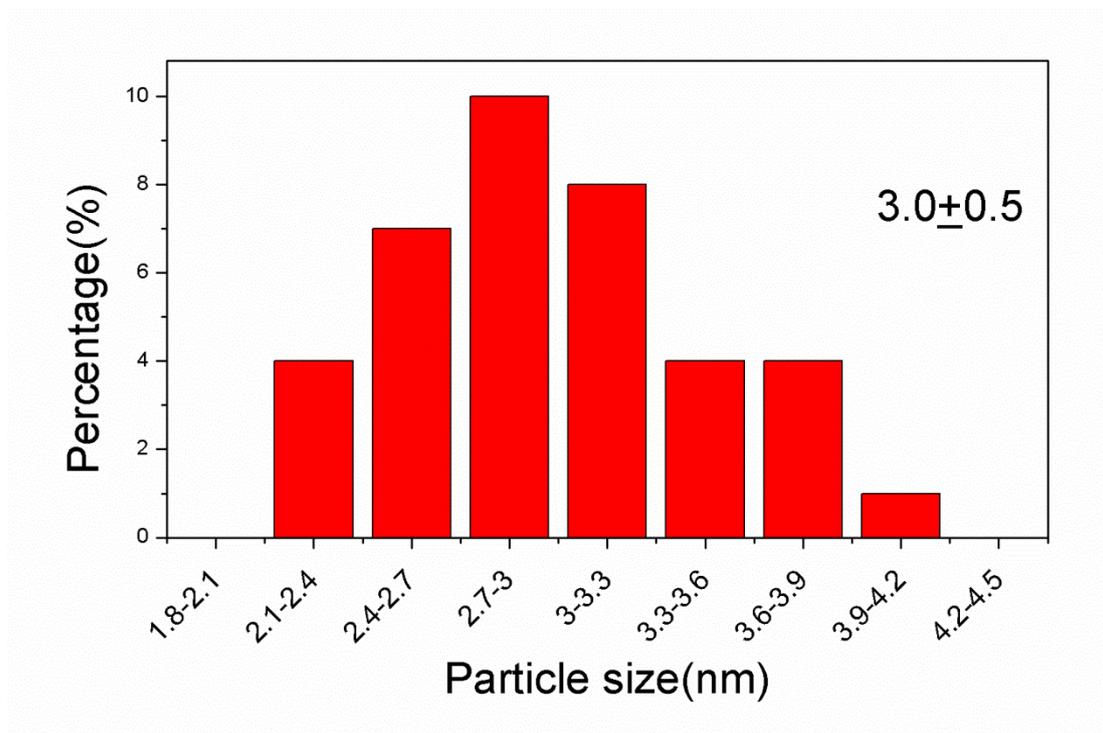


Figure S3. Particle size distribution of SnO₂ nanoparticles in SnO₂/G composite.

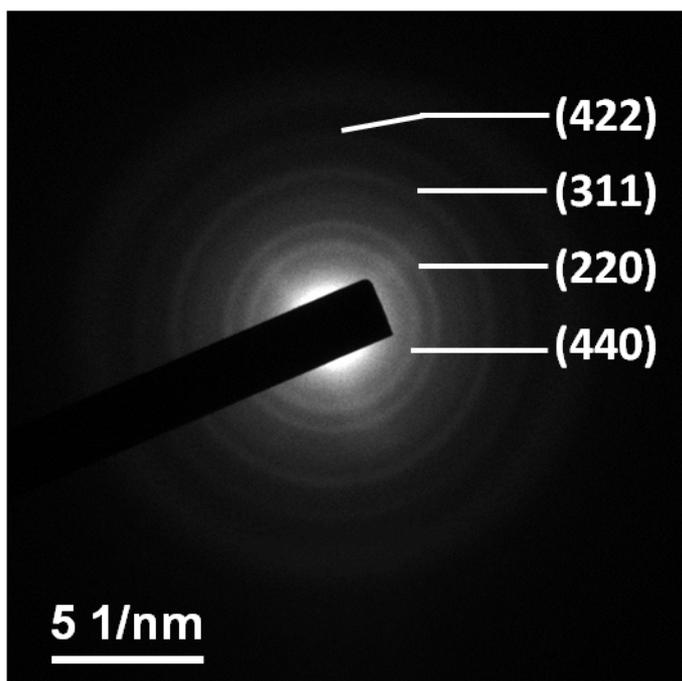


Figure S4. Selected area electron diffraction pattern of SnO₂/G composite.

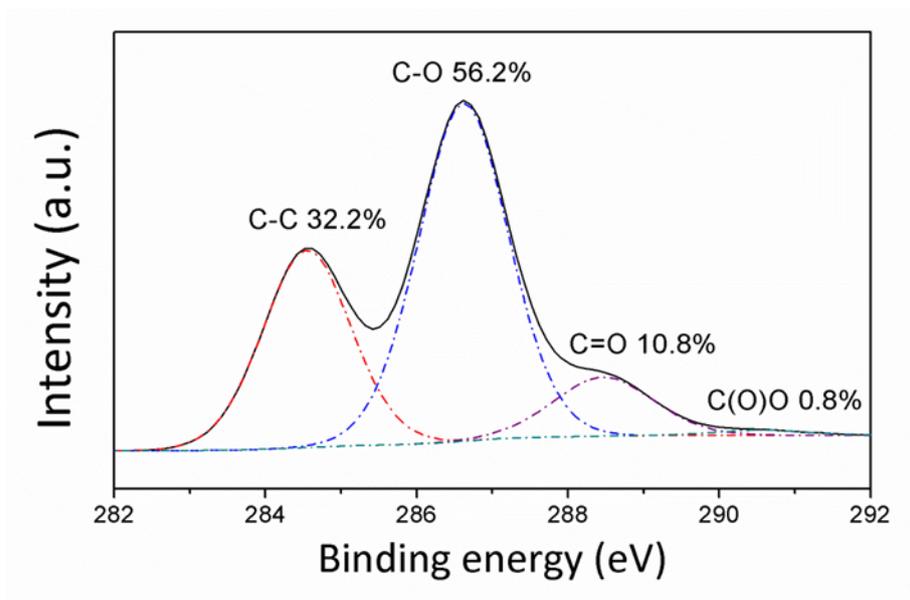


Figure S5. High resolution XPS spectrum of C 1s from GO.

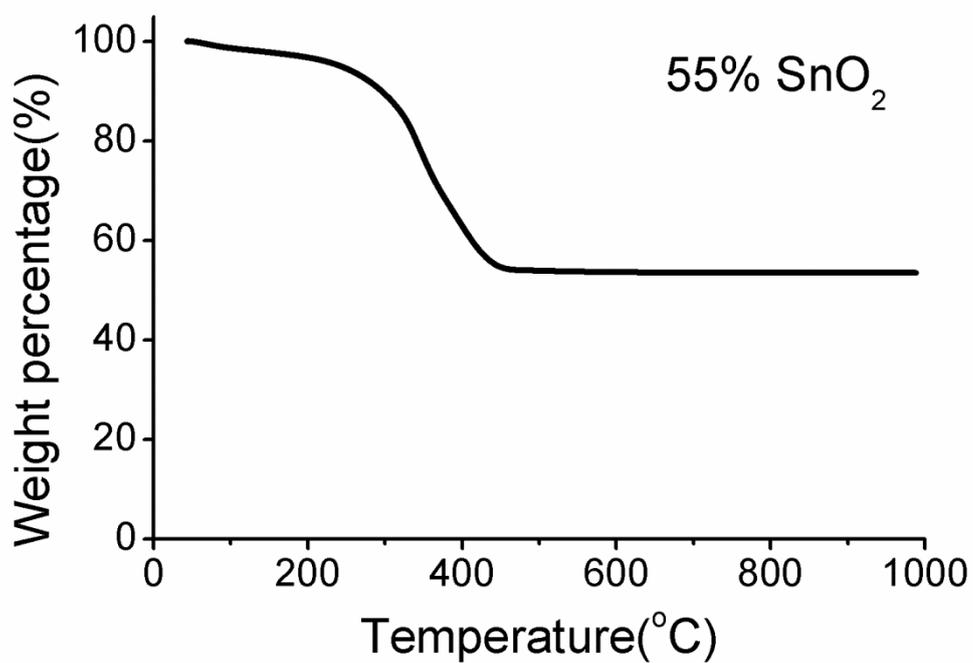


Figure S6. TGA curve of SnO₂/G composite.

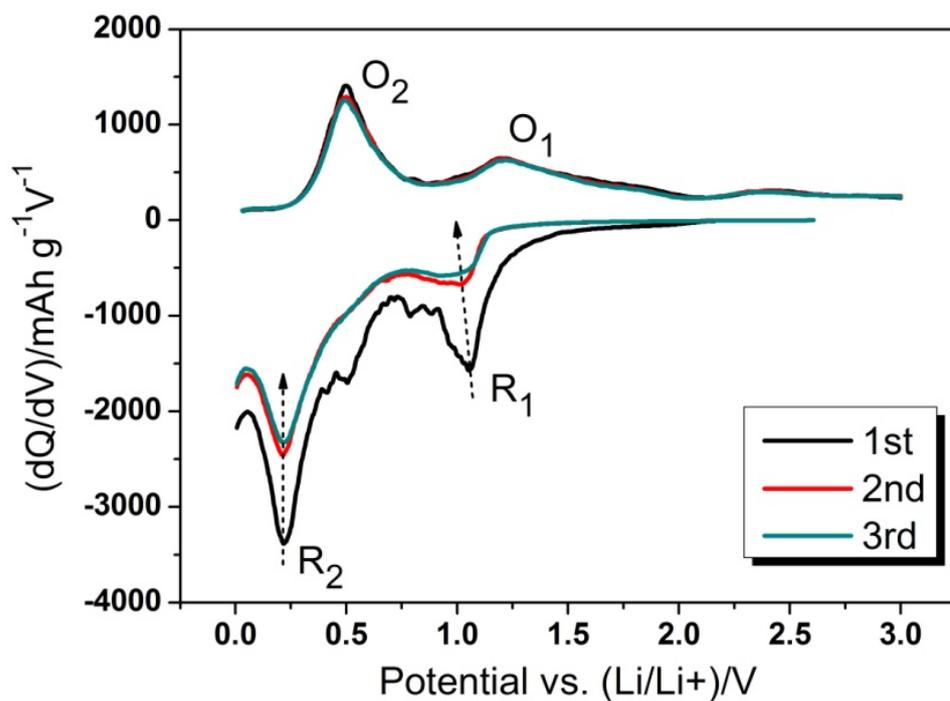


Figure S7. dQ/dV plots of the initial 3 charge/discharge cycles of SnO_2/G based on the results obtained from Figure 3(a).

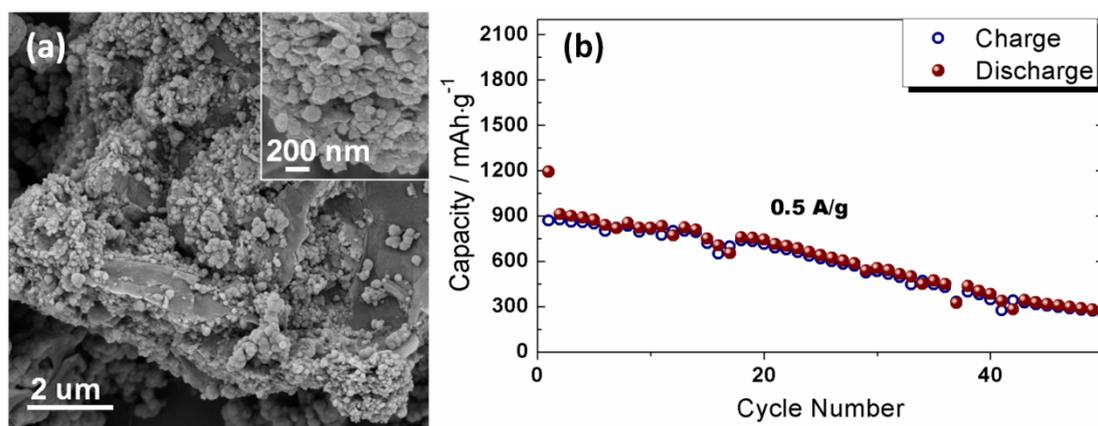


Figure S8. (a) SEM images and (b) electrochemical performances of large SnO_2/G anode.

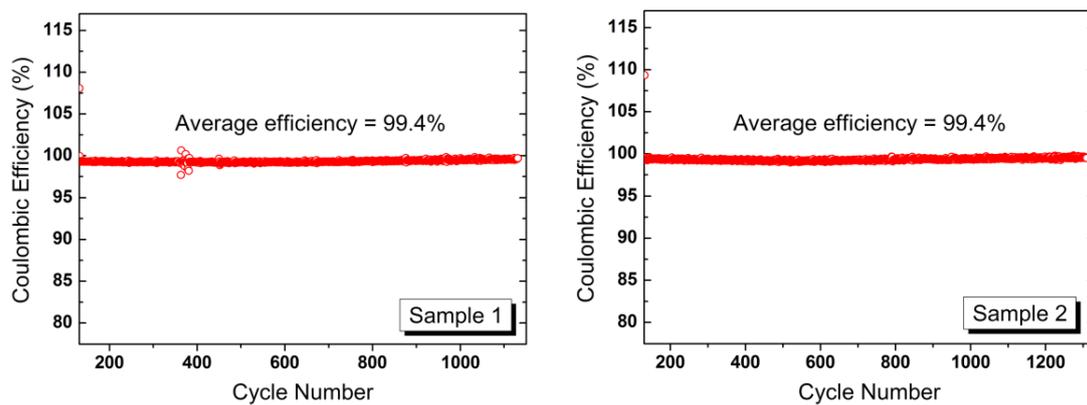


Figure S9. Coulombic efficiency of SnO₂/G electrode from 131th to extending cycles under a current density of 2A·g⁻¹. The data are based on Figure 3c and 3d.