

Supporting information

SnO₂@Si core-shell nanowire arrays on carbon cloth as flexible anode for Li ion batteries

Weina Ren¹, Chong Wang², Linfeng Lu³, Dongdong Li³, Chuanwei Cheng¹, Jinping Liu²

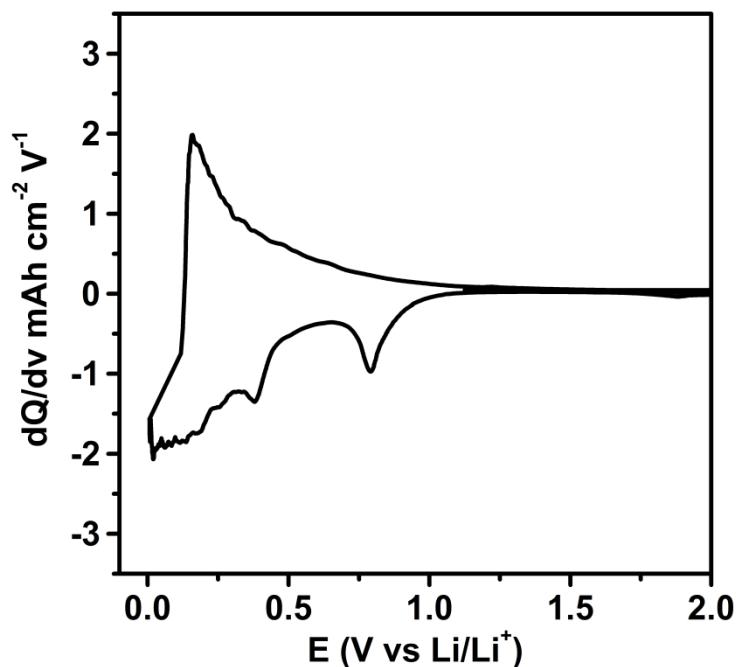
¹Shanghai Key Laboratory of Special Artificial Microstructure Materials and Technology & School of Physics Science and Engineering, Tongji University, Shanghai 200092, P. R. China

E-mail: cwcheng@tongji.edu.cn

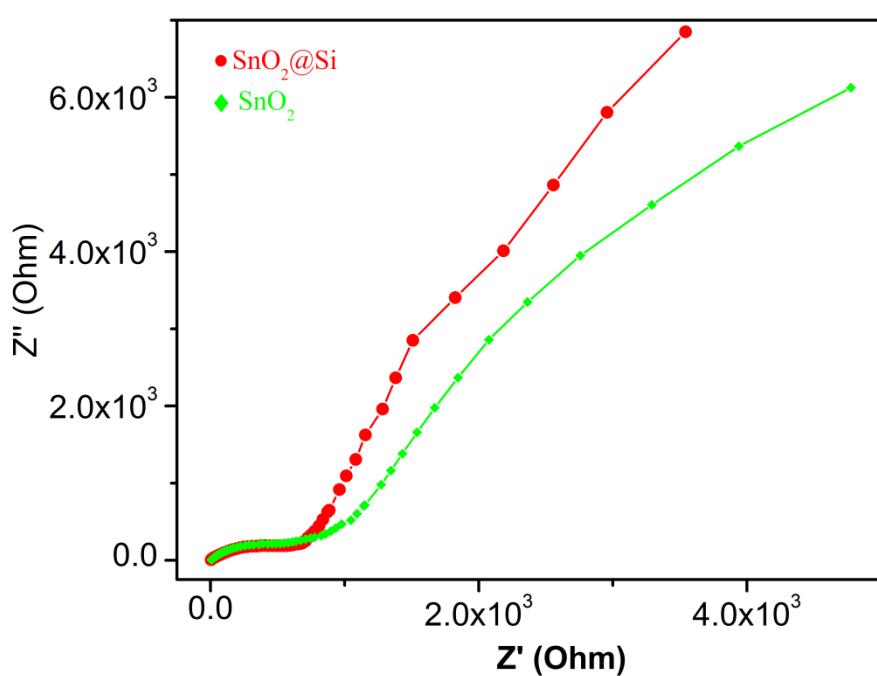
²Institute of Nanoscience and Nanotechnology, Department of Physics, Central China Normal University, Wuhan 430079, P. R. China.

E-mail:liujp@phy.ccnu.edu.cn

³Shanghai Advanced Research Institute, Chinese Academy of Sciences, Shanghai, 201210, P. R. China.



S1 The 1st-cycle differential capacity curve of 3D SnO₂@Si nanowires electrode



S2 Nyquist plots of the cells containing the SnO_2 nanowires and $\text{SnO}_2@\text{Si}$ nanowires electrodes.