Supporting information

SnO$_2$@Si core-shell nanowire arrays on carbon cloth as flexible anode for Li ion batteries

Weina Ren$^1$, Chong Wang$^2$, Linfeng Lu$^3$, Dongdong Li$^3$, Chuanwei Cheng$^1$, Jinping Liu$^2$

$^1$Shanghai 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

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

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

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

S1 The 1st-cycle differential capacity curve of 3D SnO$_2$@Si nanowires electrode
S2 Nyquist plots of the cells containing the SnO$_2$ nanowires and SnO$_2$@Si nanowires electrodes.