Supporting Information

Hierarchically porous TiO_2 microspheres as a high performance anode for lithium-ion batteries †

Tongbin Lan, Yubin Liu, Jie Dou, Zhensheng Hong, Mingdeng Wei*

Institute of Advanced Energy Materials, Fuzhou University, Fuzhou, Fujian 350002, China
E-mail: wei-mingdeng@fzu.edu.cn

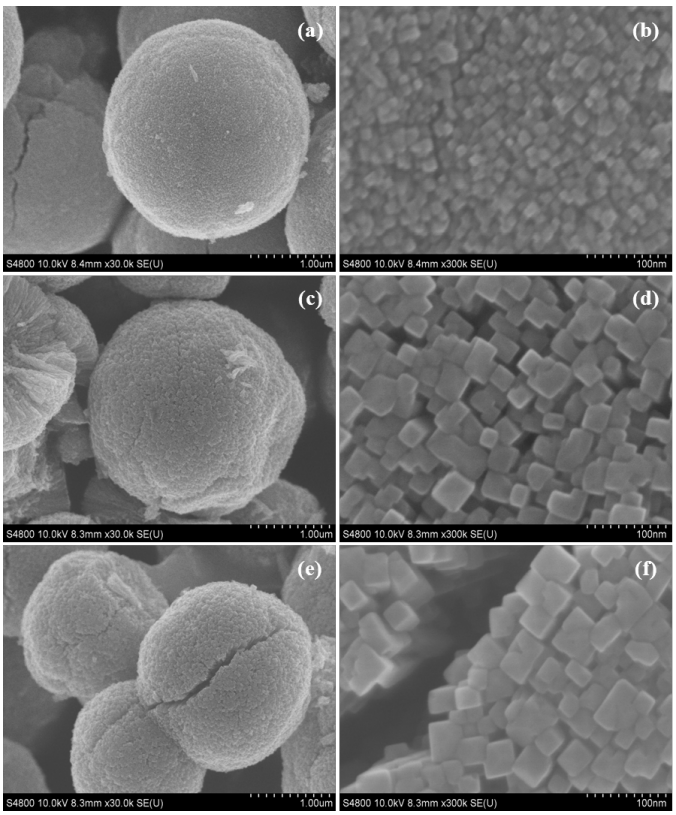

Fig. S1 SEM images of the surface of hierarchically porous rutile TiO_2 microspheres synthesized at 180 °C for (a-b) 3, (c-d) 24 and (e-f) 48 h.

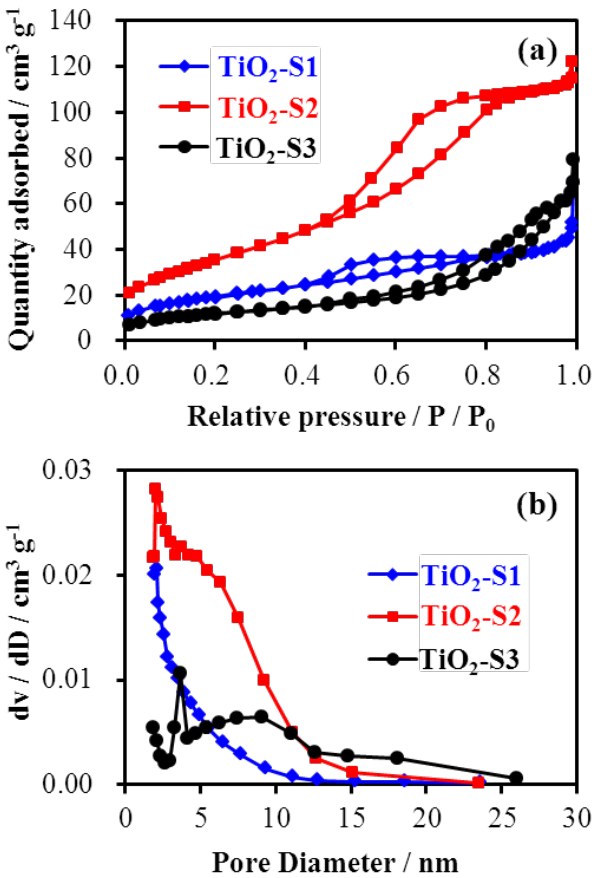

Fig. S2 (a) N_2 adsorption–desorption isotherms and (b) the BJH pore size distributions from the adsorption branch for the samples of TiO_2-S1, TiO_2-S2 and TiO_2-S3.

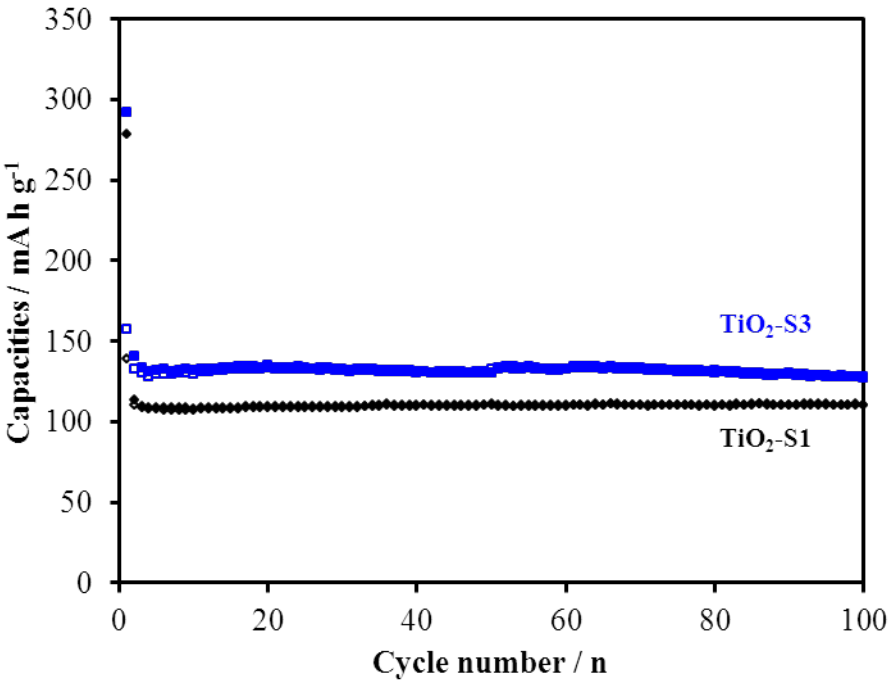

Fig. S3 Cycling performances of the cells made of TiO_2-S1 and TiO_2-S2 at a current rate of 1 C, respectively. The voltage range is 3.0-1.0 V.