

Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.
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Supporting Information

Synthesis of Nanocomposite with Carbon-SnO₂ Dual-shells on TiO₂

Nanotubes and Application in Lithium Ion Batteries

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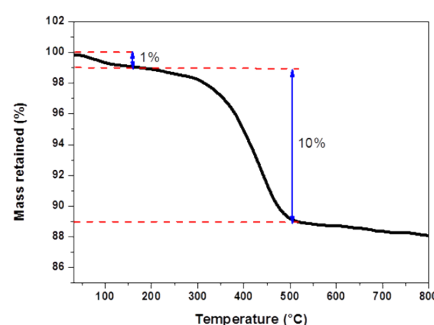


Fig. S1 TGA curve of DSNTs in air.

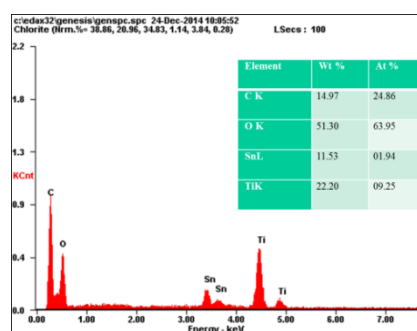


Fig. S2 Energy dispersive X-ray spectrum (EDS) of the DSNTs

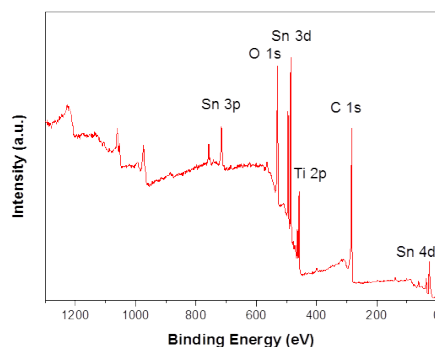


Fig. S3 Full range of the XPS spectrum for RF-DSNs

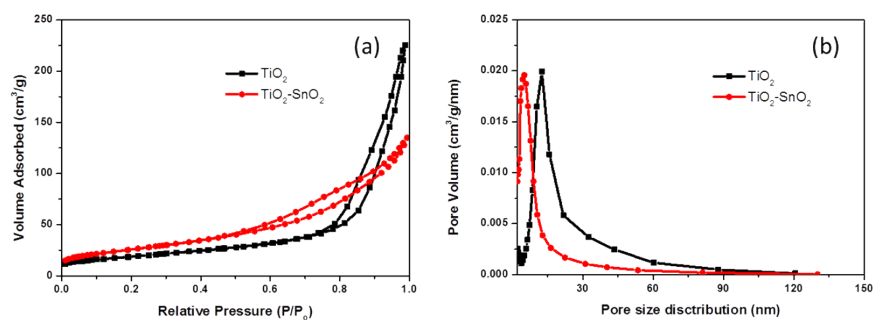


Fig. S4 (a) N_2 adsorption and desorption isotherms and (b) pore-size distribution of TiO_2 , TiO_2-SnO_2 .

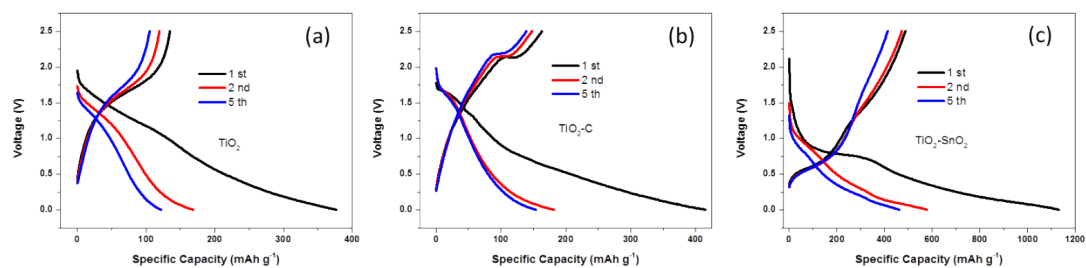


Fig. S5 Discharge-charge profiles of (a) TiO_2 , (b) TiO_2-C and (c) TiO_2-SnO_2 at a constant current density of $500\ mA\cdot g^{-1}$.

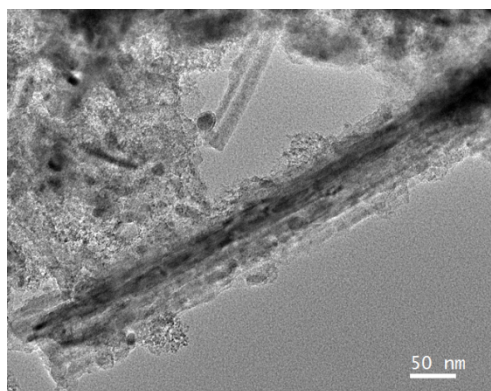


Fig. S6 TEM image of the DSNTs electrodes after 300 cycles at a current density of $1\ A\ g^{-1}$