

Electronic Supplementary Information

Synthesis of SnO₂/Sn@carbon nanospheres dispersed in interspaces of 3-dimensional SnO₂/Sn@carbon nanowires network and application as anode material for lithium-ion batteries

Qinghua Tian,^a Zhengxi Zhang,^{a,*} Li Yang,^{a,*} and Shin-ichi Hirano^b

^aSchool of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai 200240, P. R. China

^bHirano Institute for Materials Innovation, Shanghai Jiao Tong University, Shanghai 200240, P. R. China

*Corresponding author e-mail address: liyangce@sjtu.edu.cn,
zhengxizhang@sjtu.edu.cn

Tel: +86 21 54748917, Fax: +86 21 54741297

*Corresponding author. Tel.: +86 21 54748917; fax: +86 21 54741297.
E-mail address: liyangce@sjtu.edu.cn (L. Yang), zhengxizhang@sjtu.edu.cn (Z.X. Zhang).

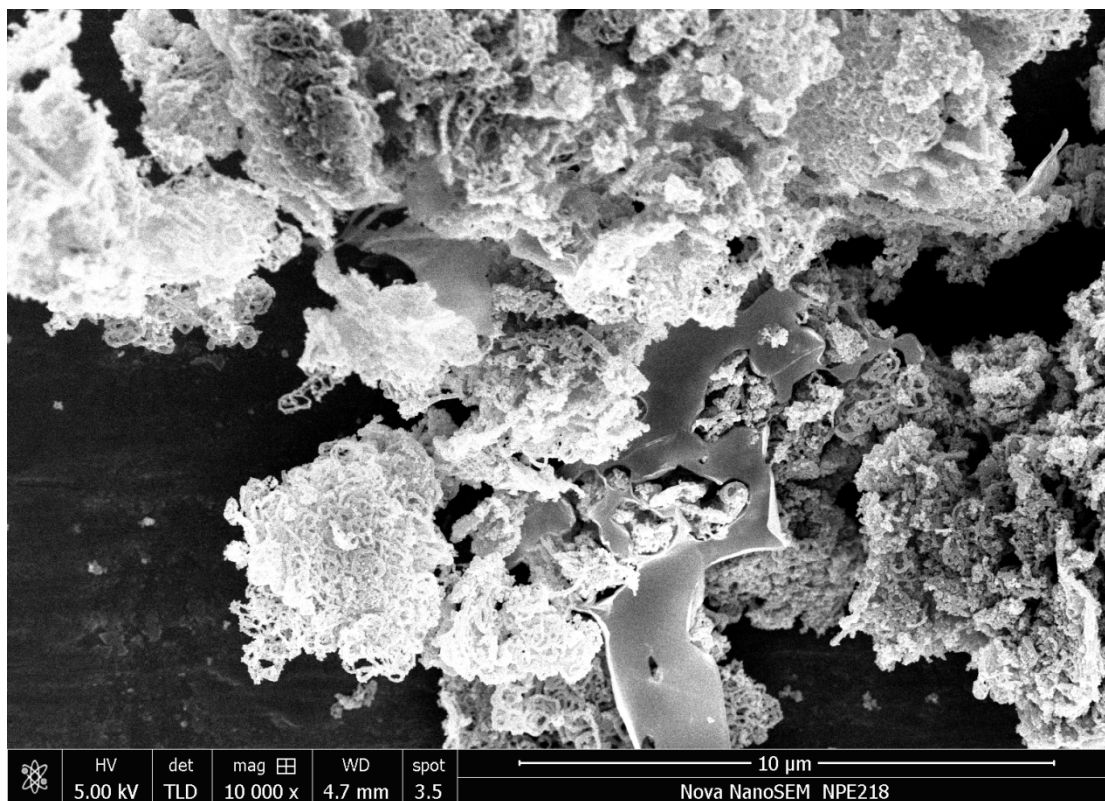


Fig. S1 Low magnification SEM image of the SnO₂/Sn@C composite.

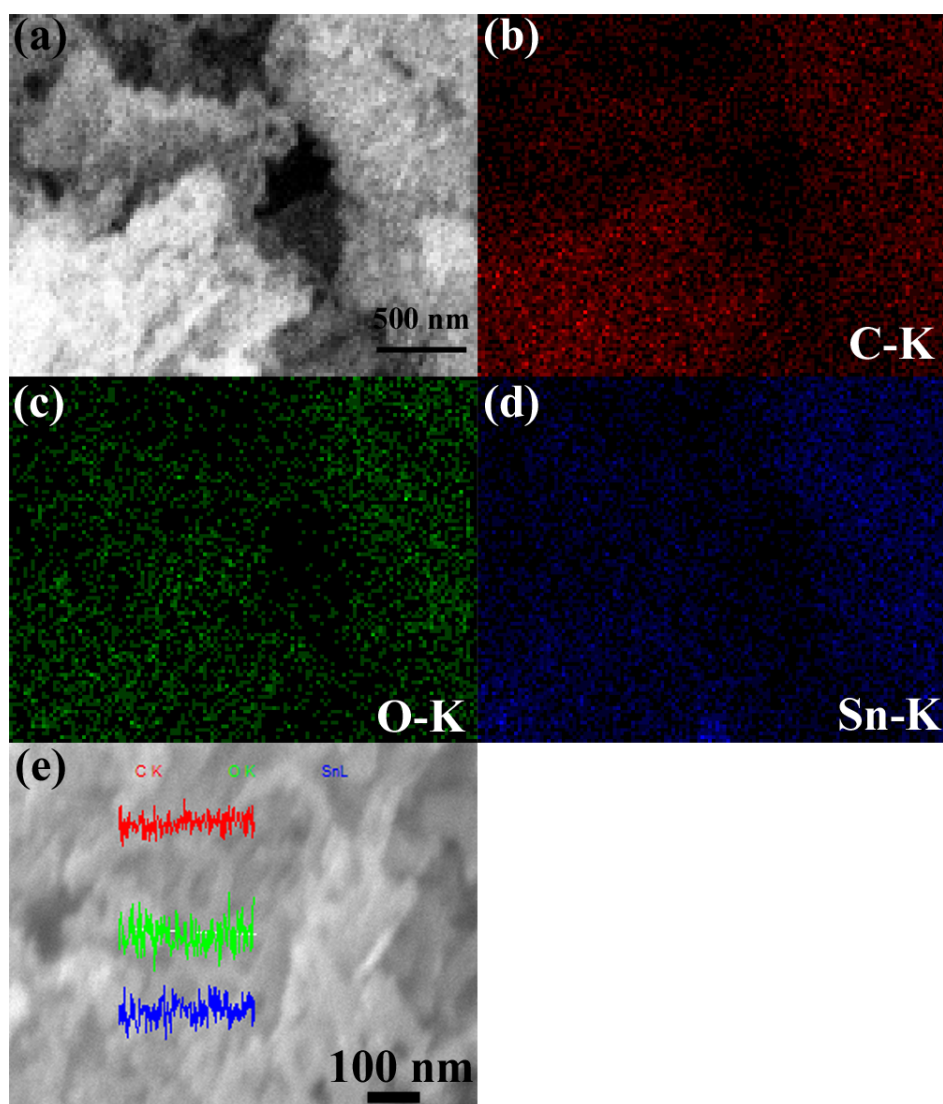


Fig. S2 (a) SEM image of $\text{SnO}_2/\text{Sn}@C$. (b), (c), (d) EDX elemental mapping of the area of the SEM image (a), for carbon, oxygen, and tin, respectively. (e) EDX linear scanning.

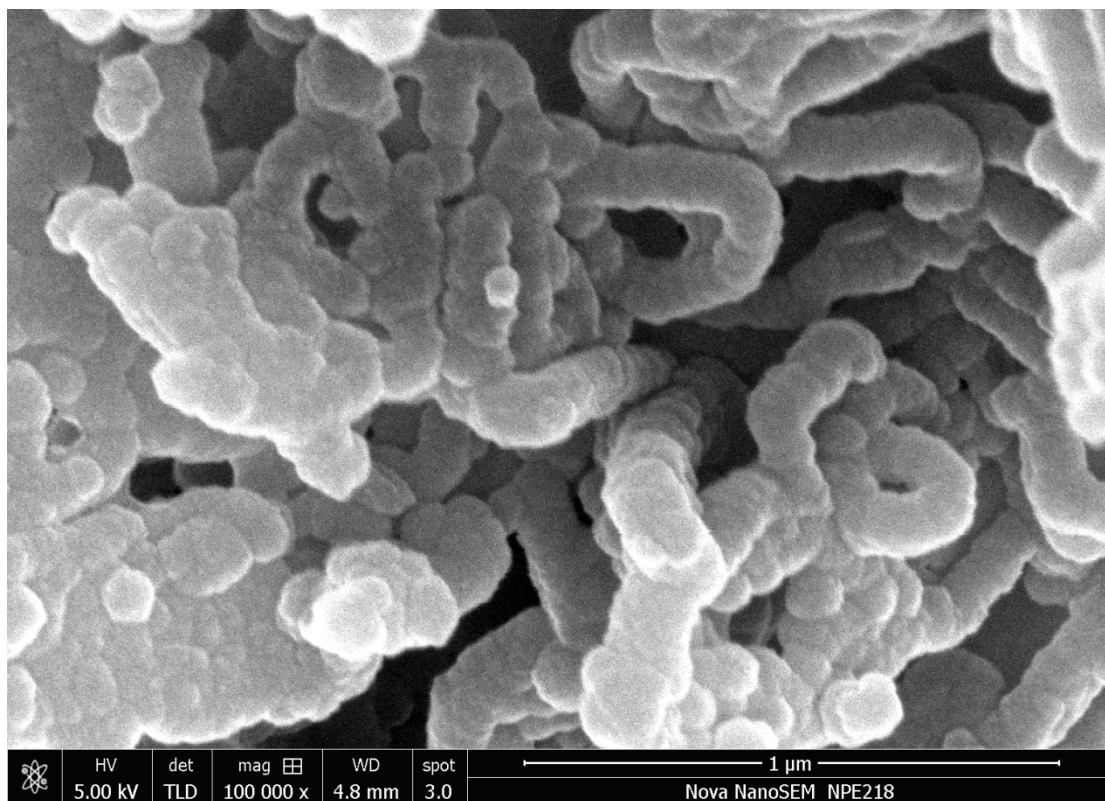


Fig. S3 SEM image of the CNWs.

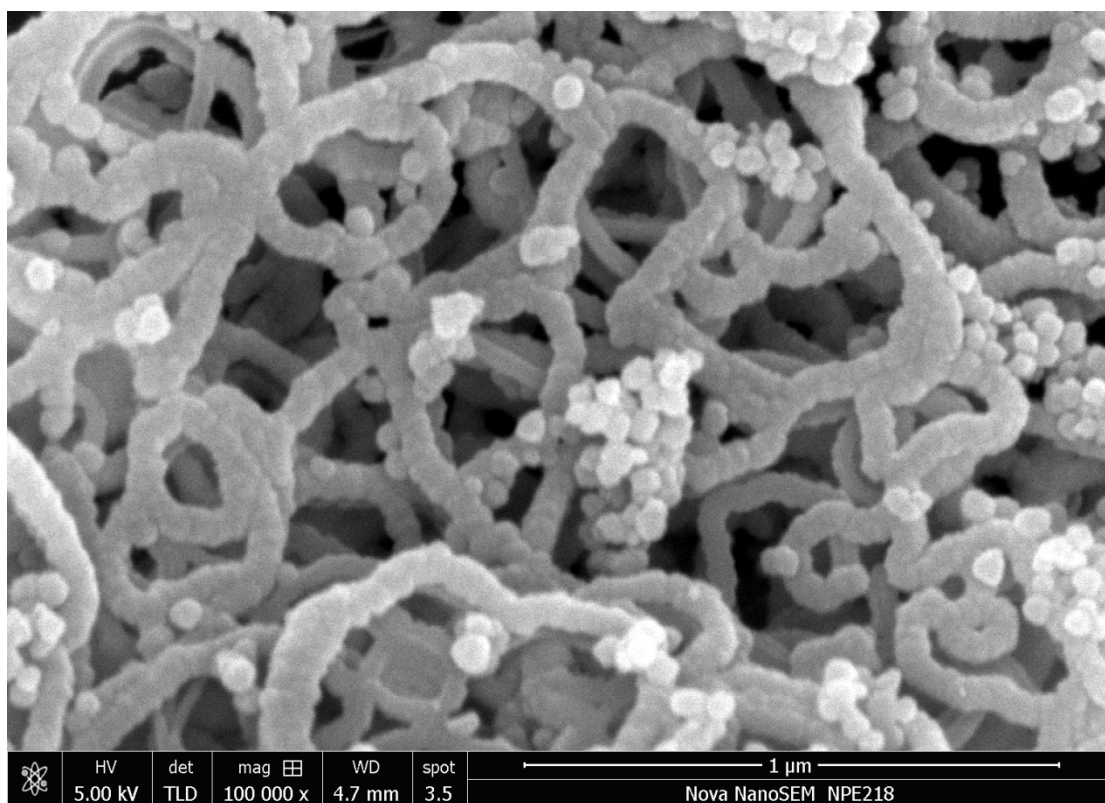


Fig. S4 SEM image of the SnO₂/Sn@C-0.1 composite.

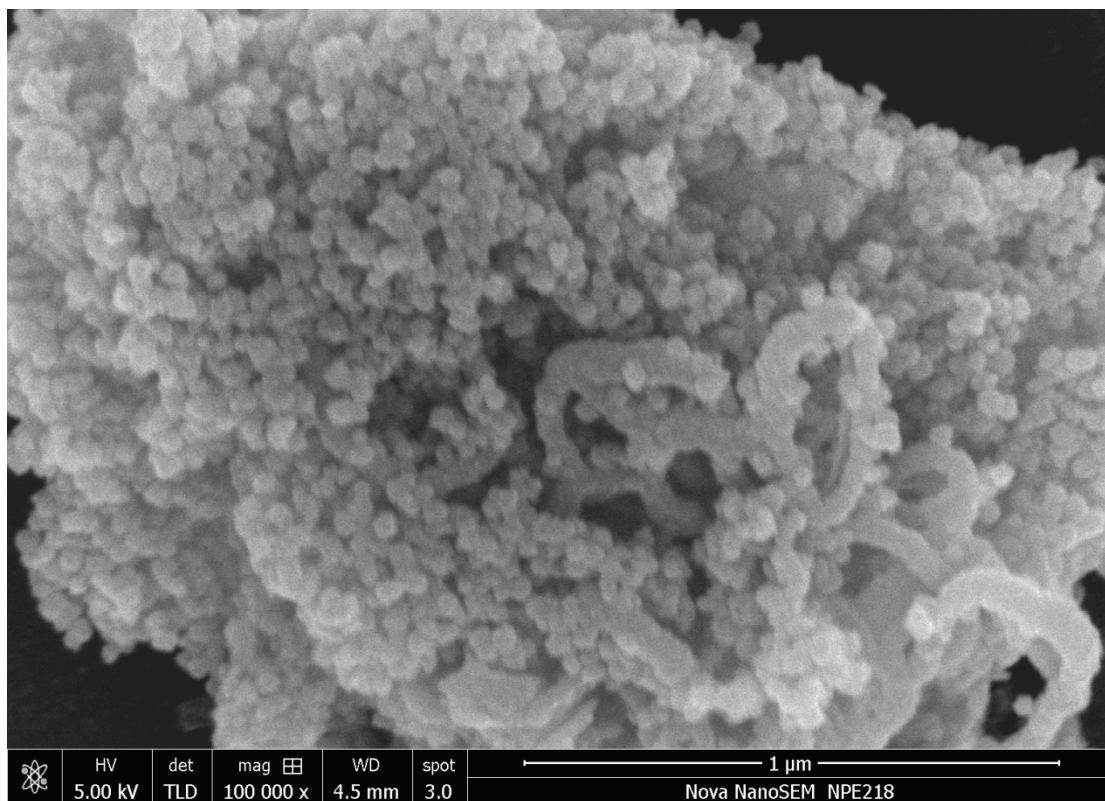


Fig. S5 SEM image of the SnO₂/Sn@C-0.2 composite.