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**Electronic Supplementary Information**

# Facile synthesis of $Sn/MoS_2/C$ composite as anode materials for lithium-ion batteries with outstanding performance

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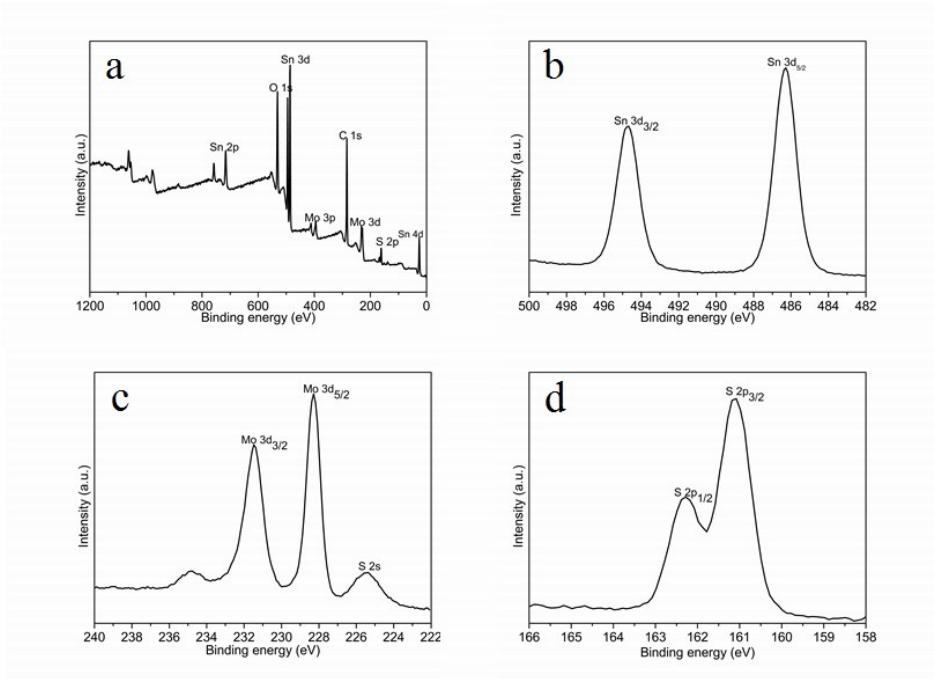


**Fig. S1** (a) The survey XPS spectrum of $Sn/MoS_2/C$ composites (b), (c) and (d)

The high-resolution XPS of Sn 3d, Mo3d and S2p, respectively.

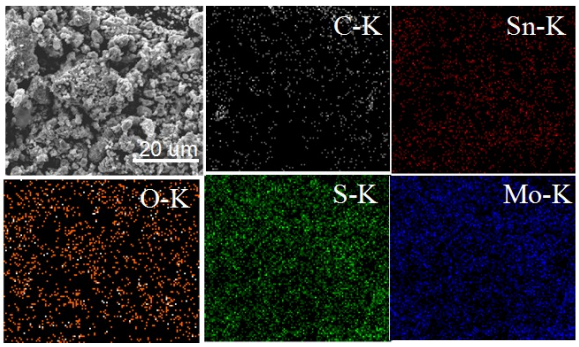


**Fig. S2** SEM and EDS mapping images of Sn/$MoS_2$/C composite.

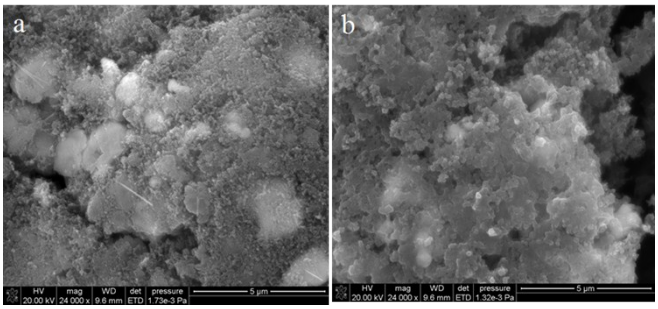


**Fig. S3** SEM images of Sn/MoS2/C electrode (a) before cycle and (b) after 50 cycles .