

## **Supplementary Materials**

# **In Situ Growth of W<sub>2</sub>C/WS<sub>2</sub> with Carbon-Nanotube Networks for Lithium-Ion Storage**

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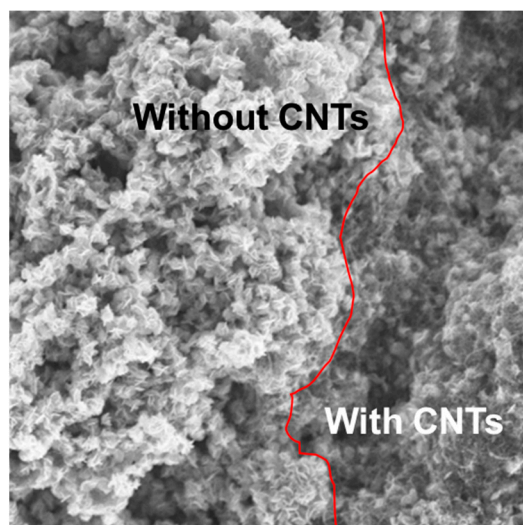


Figure S1. SEM image of WCNT03 sample with and without CNT area.

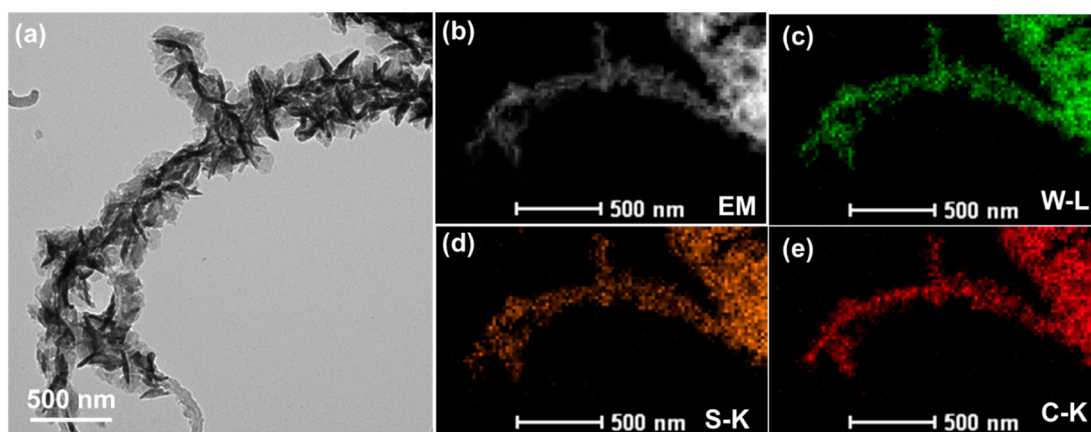


Figure S2. (a) TEM image, (b) Scanning TEM image and elemental mapped images (c) W-L, (d) S-K and (e) C-K of  $W_2C/WS_2$  nanolayers on CNTs.

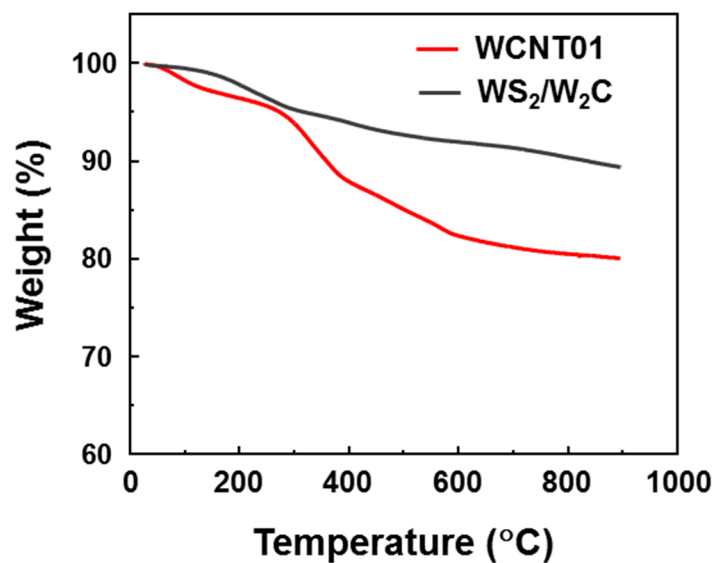


Figure S3. TGA analysis of the synthesized  $W_2C/WS_2$  and WCNT01 materials.

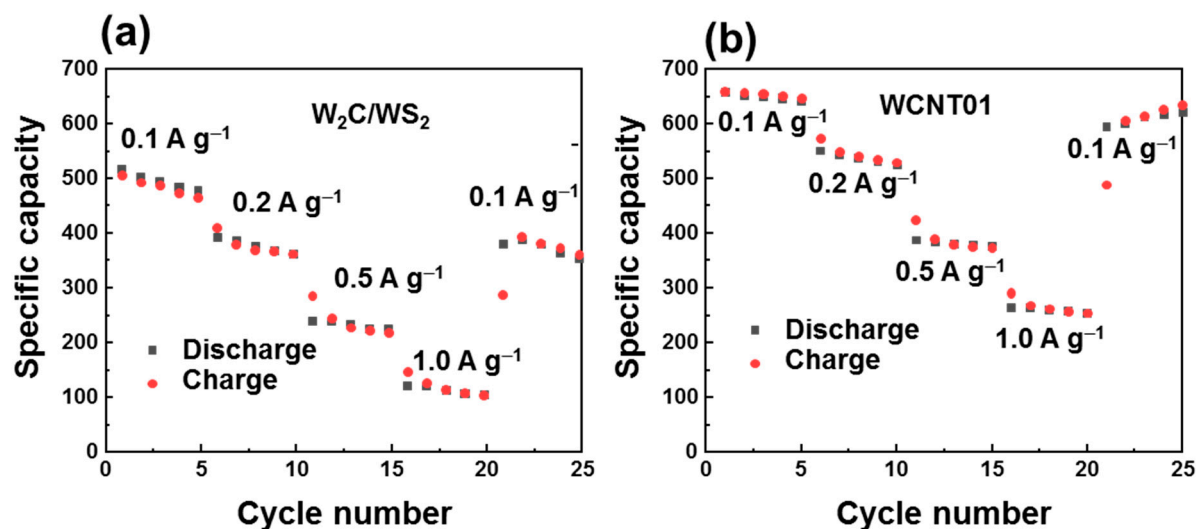


Figure S4. Rate performance of (a) bare W<sub>2</sub>C/WS<sub>2</sub> and (b) WCNT01 anodes at different current rate from 0.1 to 1.0 A g<sup>-1</sup>.

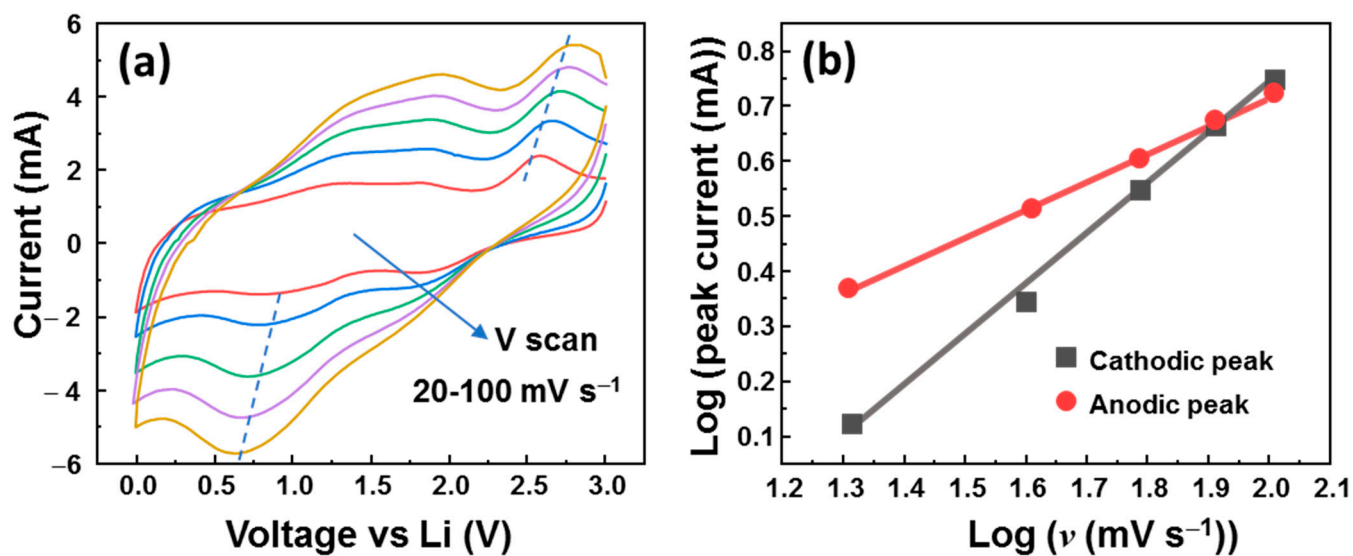


Figure S5. (a) CV curves of WCNT01 anode at different scan rate from 20 – 100 mV s<sup>-1</sup> and (b) plots of log(current) with log(scan-rate).