

### Supplementary Information

## Microwave-hydrothermal Synthesis of $W_{0.4}Mo_{0.6}O_3$ and Carbon-decorated $WO_x-MoO_2$ Nanorod Anodes for Lithium Ion Batteries

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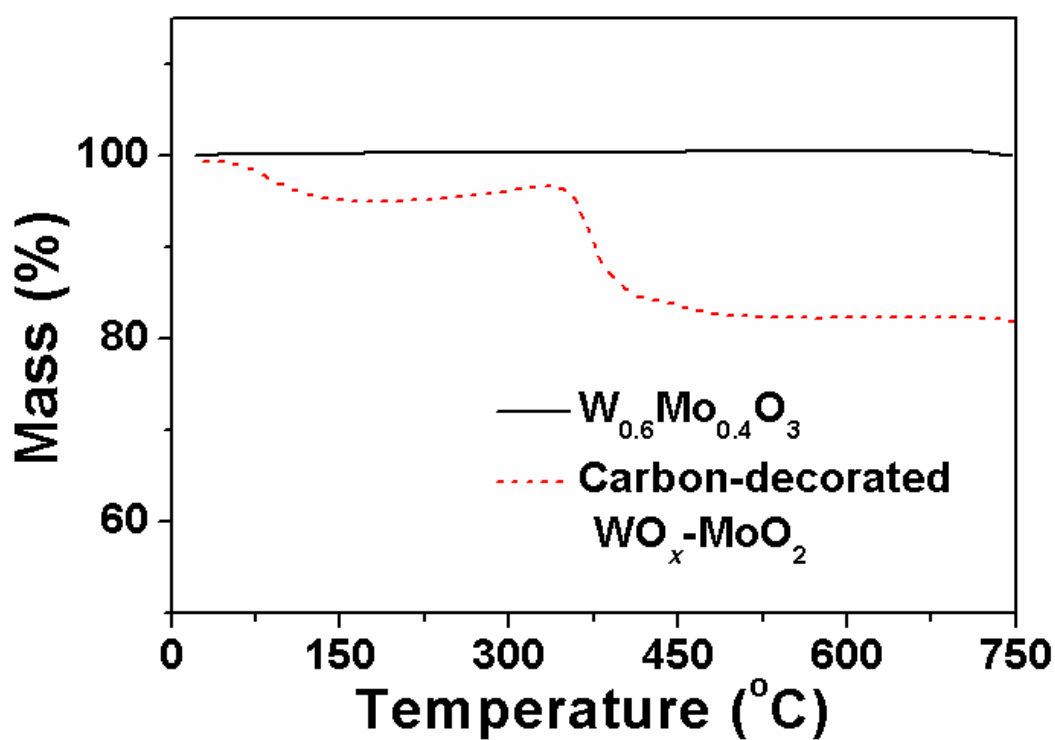
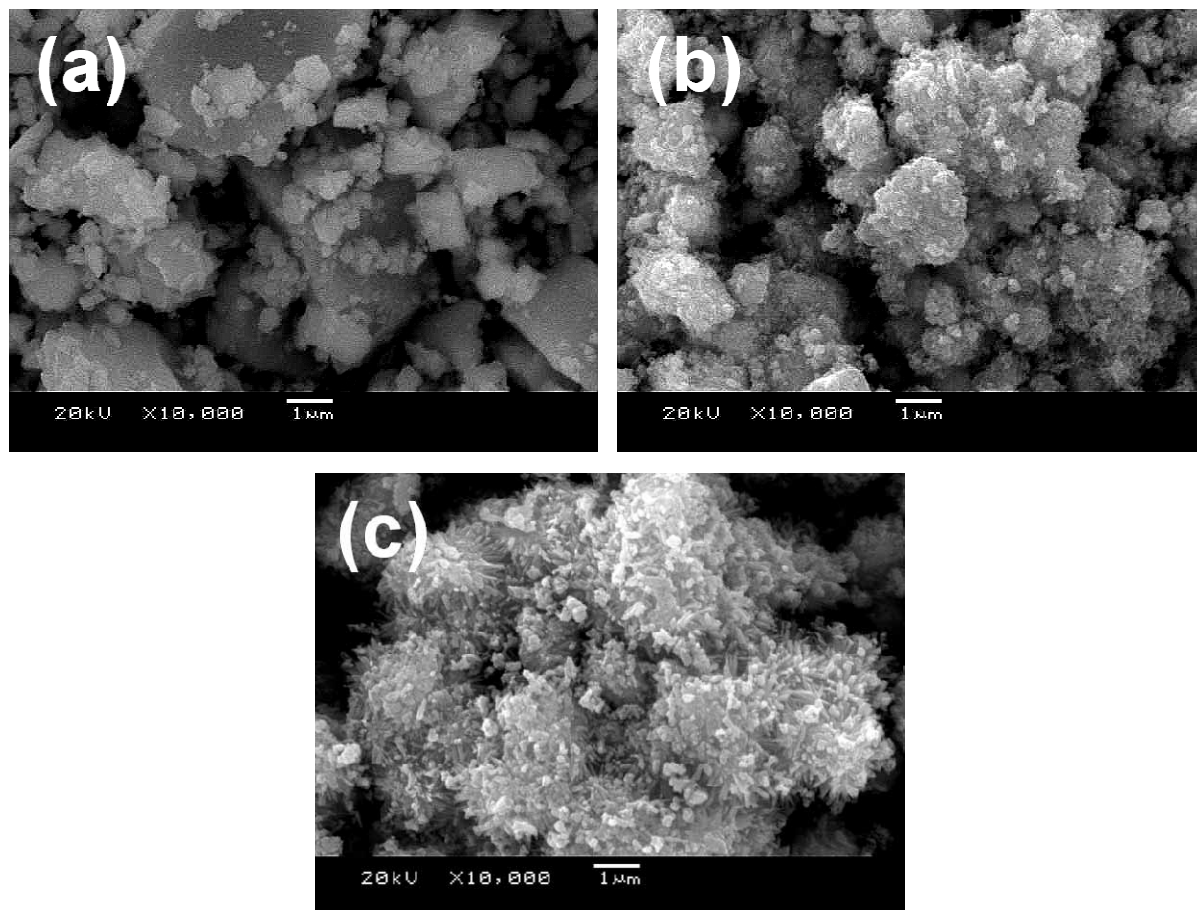


Fig. S1 TGA plots of  $W_{0.4}Mo_{0.6}O_3$  and carbon-decorated  $WO_x-MoO_2$  nanorod samples.



**Fig. S2** SEM images of the as-synthesized  $W_{0.4}Mo_{0.6}O_3$  formed at (a) pH = 2, (b) pH = 5, and (c) pH = 7.