

Electronic Supplementary Information

Facile fabrication of Layer-Cake-like with Nano-Micro Hierarchical Structure for High Performance Li Storage

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Supplementary Figures

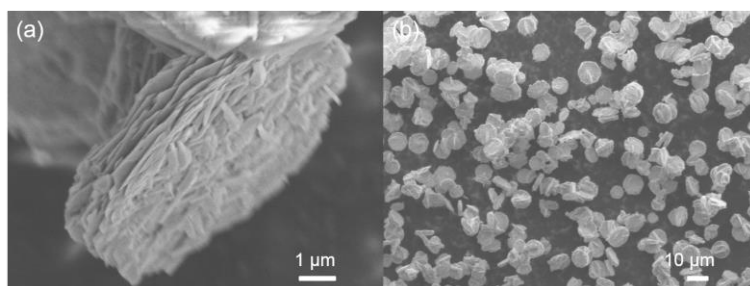


Figure S1 Morphologies of the layer-cake-like Co(OH)F precursor after hydrothermal synthesis.

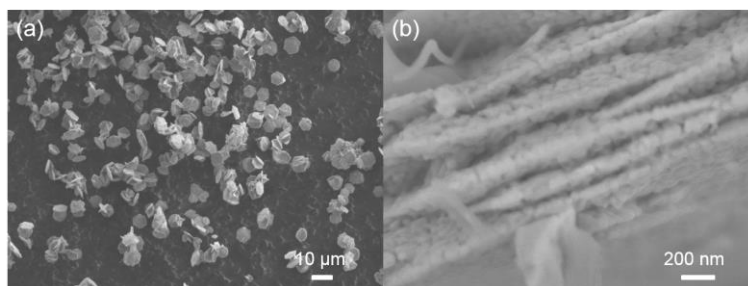


Figure S2 Morphologies of the layer-cake-like Co_3O_4 after calcination.

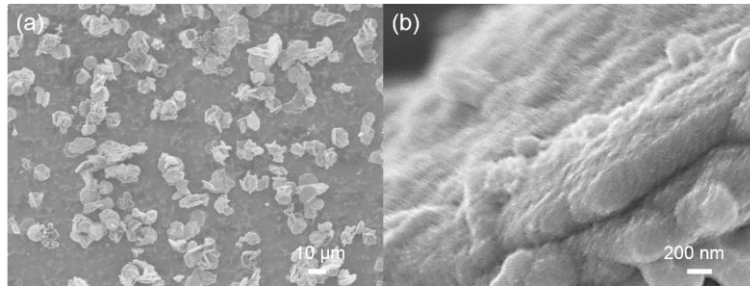


Figure S3 Morphologies of the layer-cake-like $\text{Co}_3\text{O}_4/\text{C}$ after carbon coating treatment.

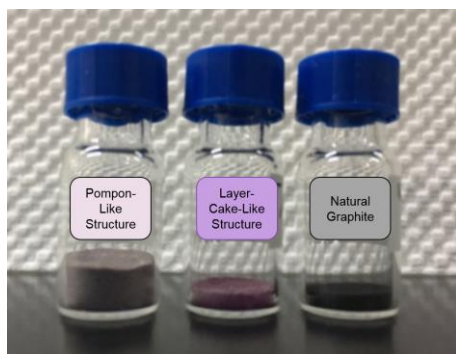


Figure S4 The comparison of tap densities for layer-cake-structure precursor, pompon-structure precursor and natural graphite, with the same mass of 300 mg.

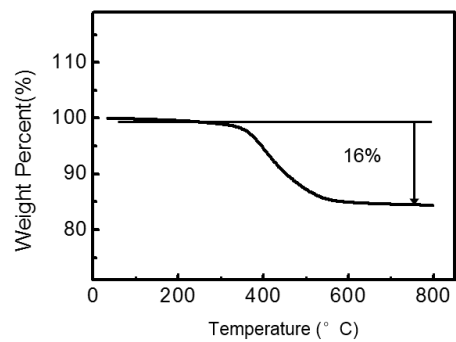


Figure S5 TG analysis curve of $\text{Co}_3\text{O}_4/\text{C}$ displaying the presence of 16% carbon.

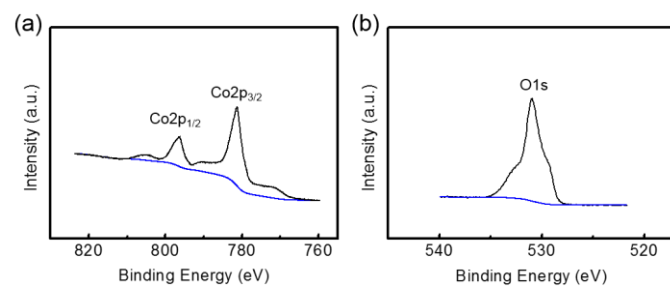


Figure S6. (a) Co2p and (b) O1s states XPS characterizations of the Co_3O_4 .

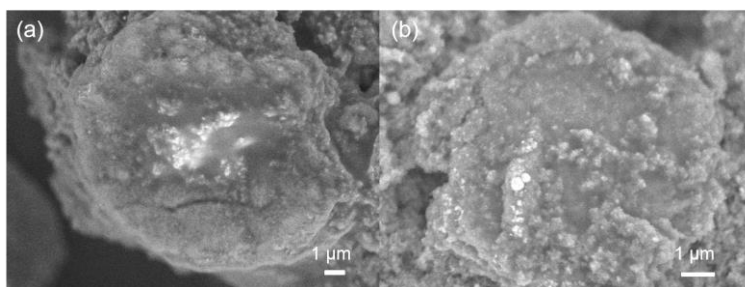


Figure S7 Morphology of the Co₃O₄/C electrode after 500 cycles, at a current density of 500 mA g⁻¹.