Supporting Information

$Ni_{0.33}Co_{0.66}(OH)F$ Hollow Hexagons Woven by MWCNTs for High-Performance Lithium-Ion Batteries

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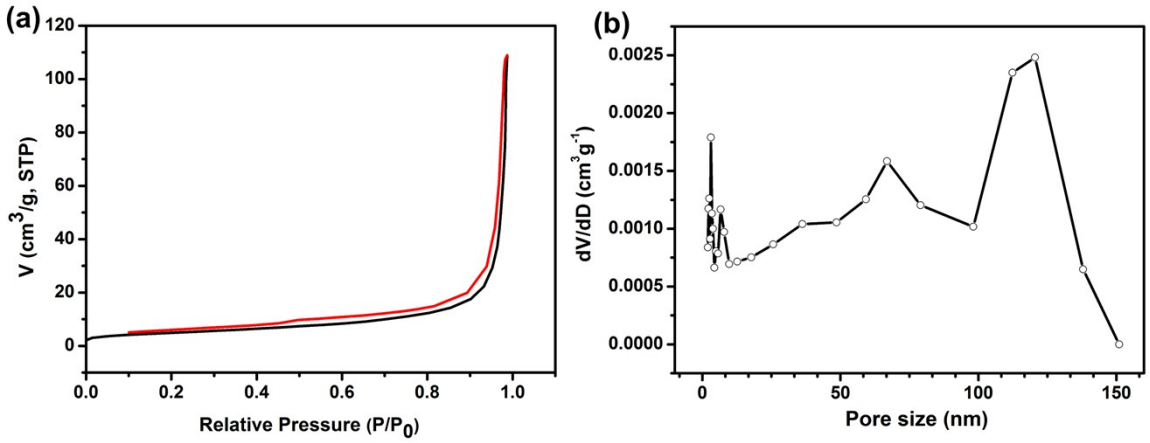

Figure S1 (a) N_2 adsorption–desorption isotherms and (b) the corresponding pore size distribution.

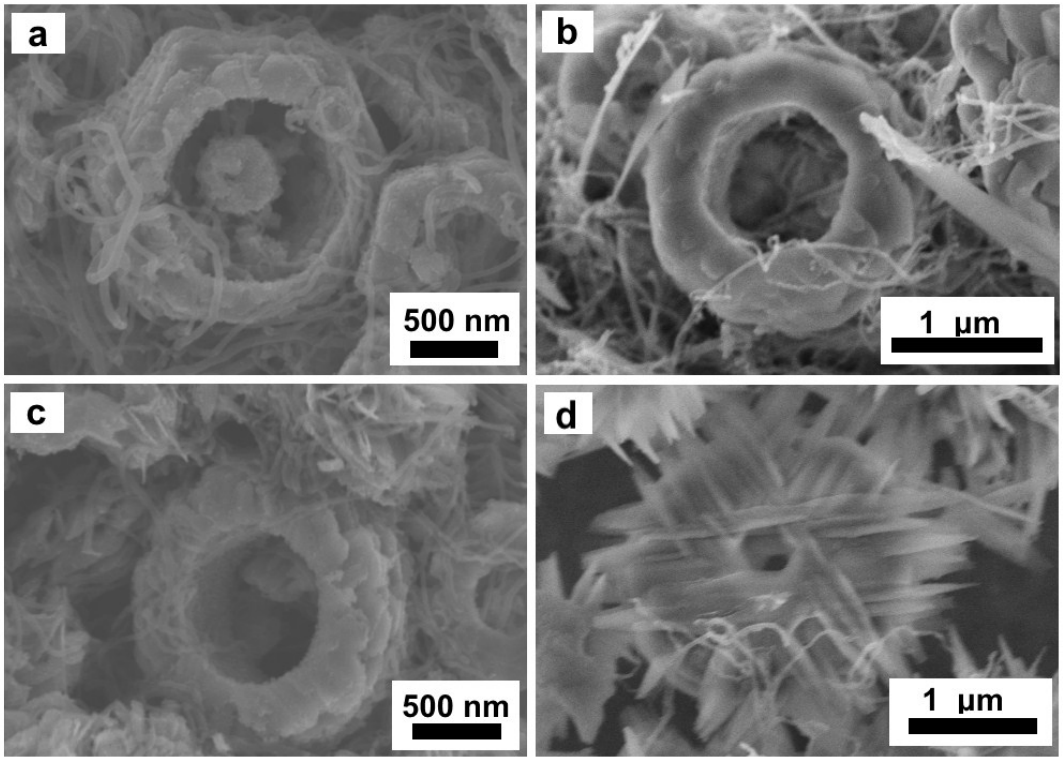

Figure S2 SEM images of the $Ni_xCo_{1-x}(OH)F$/CNTs obtained at different concentration of NH_4F. (a) 0.09 M, (b) 0.27 M. (c) 0.36 M, (d) 0.45 M.

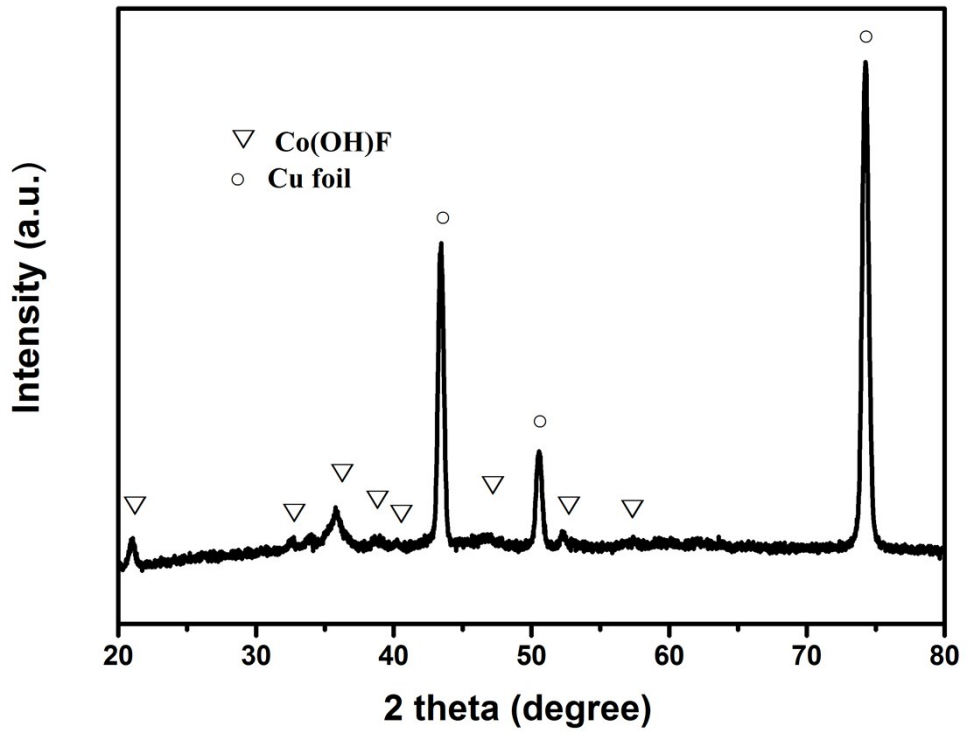

Figure S3 XRD pattern of the hollow hexagons $Ni_xCo_{1-x}(OH)F$/CNTs after one time tested as material for LIBs.

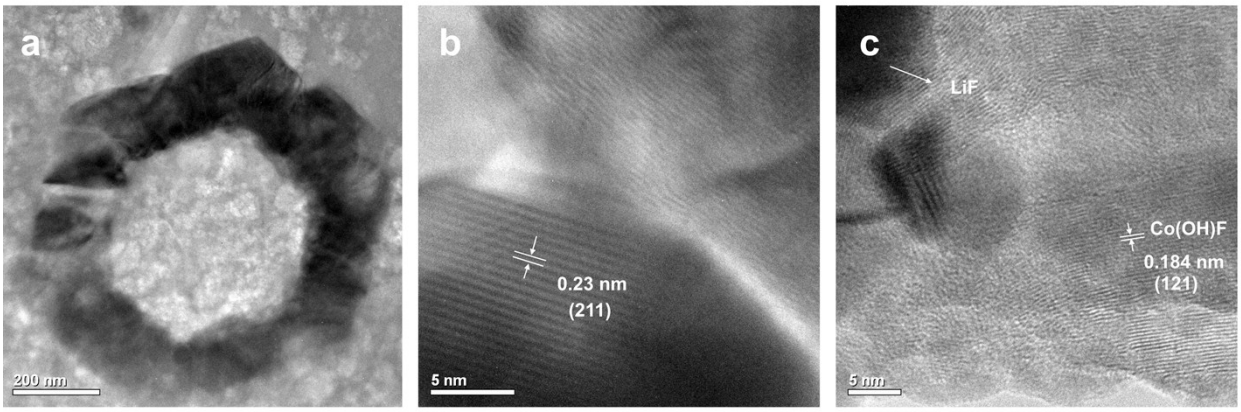

Figure S4 TEM images of hollow hexagons $Ni_xCo_{1-x}(OH)F$/CNTs after the first discharged (lithiated) state.

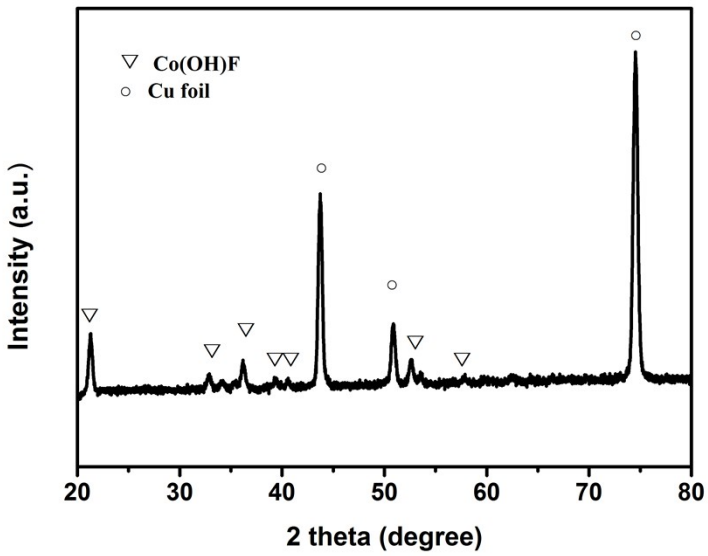

Figure S5 XRD pattern of the hollow hexagons $Ni_xCo_{1-x}(OH)F$/CNTs after tested for 100 cycles.

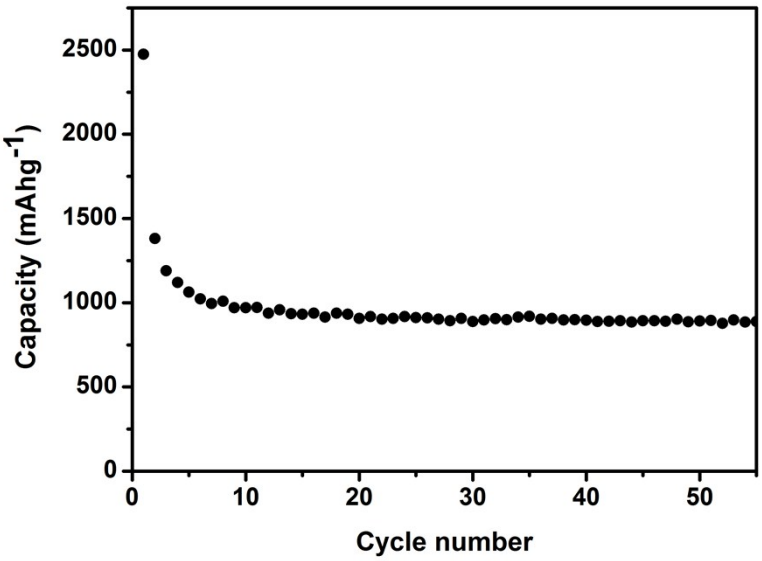

Figure S6 Cycling performance of $Ni_{0.33}Co_{0.66}(OH)F$/CNTs at a current density of 200 mAg^{-1}.