## Electronic Supplementary Information

Morphology-controlled fabrication of hierarchical mesoporous  $NiCo_2O_4$  micro-/nanostructures and their intriguing application in electrochemical capacitors

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**Fig. S1** FESEM images of the Co-based precursor obtained using the mixed solvent of EtOH/H<sub>2</sub>O (30mL/30mL) (a), and EtOH as the solvent (b). Ni-based precursor structures obtained using the mixed solvent of EtOH/H<sub>2</sub>O (30mL/30mL) (c), and EtOH as the solvent (d).



Fig. S2 EDX spectra of (a) the NCO-NWs and (b) the NCO-NSs.



Fig. S3  $N_2$  adsorption-desorption isotherms at 77 K of (a) the NCO-NWs and (b) the NCO-NSs.