

Supporting Information

Solvent-Controlled Morphology of Amino-Functionalized Bimetal MOFs for Asymmetric Supercapacitors

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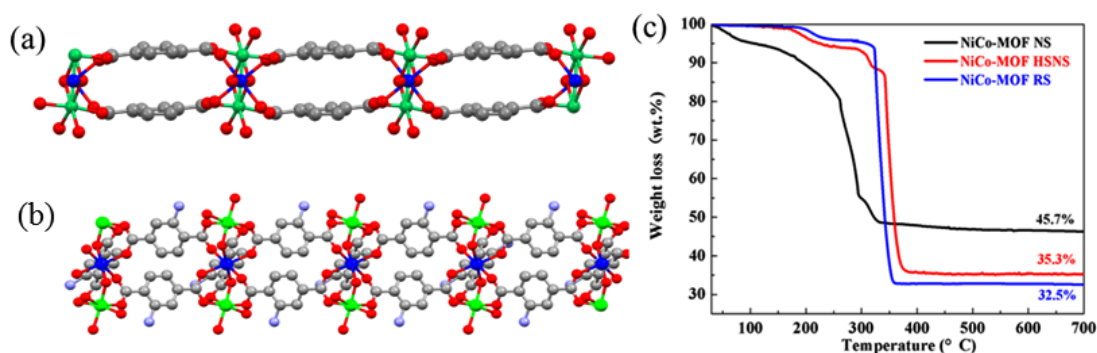


Figure S1. (a) The simulated 2D crystal structure of NiCo-MOF NSHS. (b) The simulated 2D crystal structure of NiCo-MOF RS. (c) TGA curves of NiCo-MOF NS, NiCo-MOF NSHS and NiCo-MOF RS.

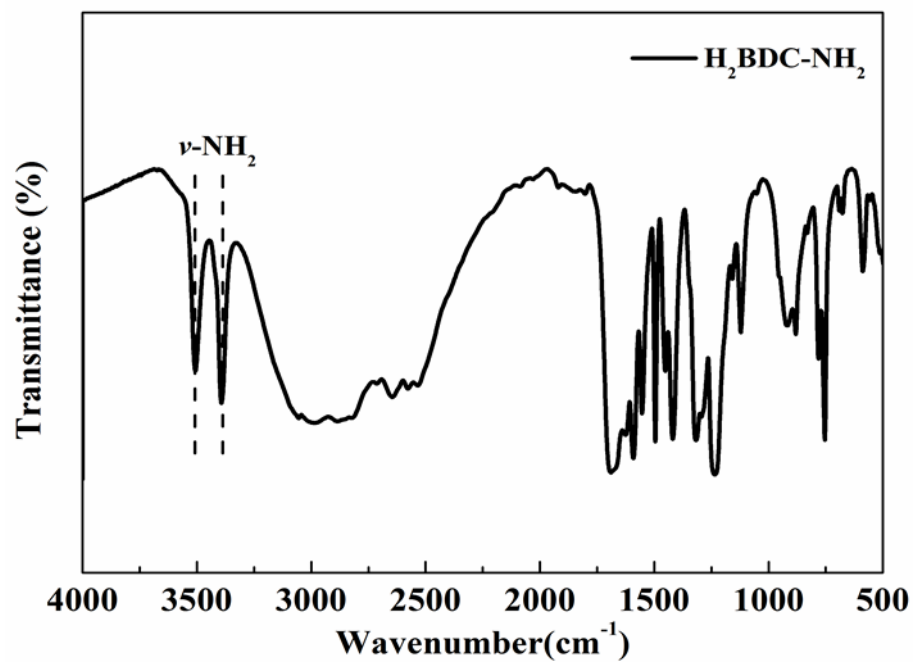


Figure S2. FTIR spectra of $\text{H}_2\text{BDC-NH}_2$.

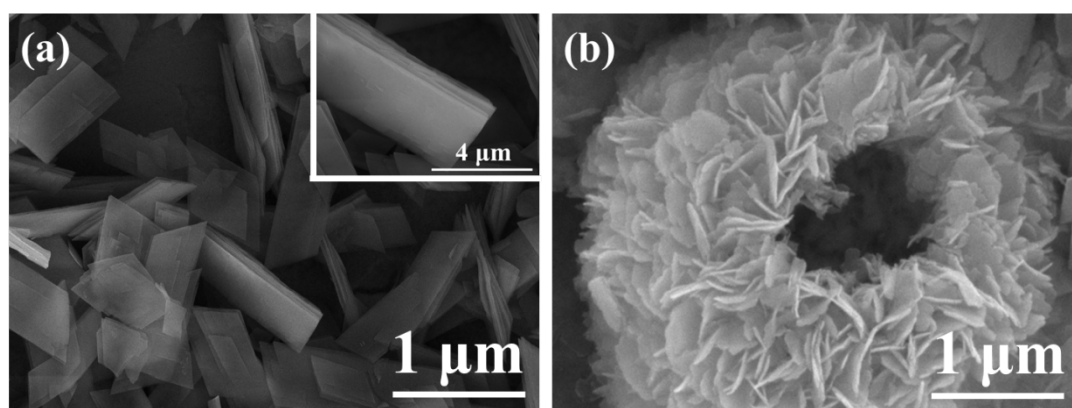


Figure S3. SEM images of (a) NiCo-BDC-MOF and (b) NiZn-MOF NSHS .

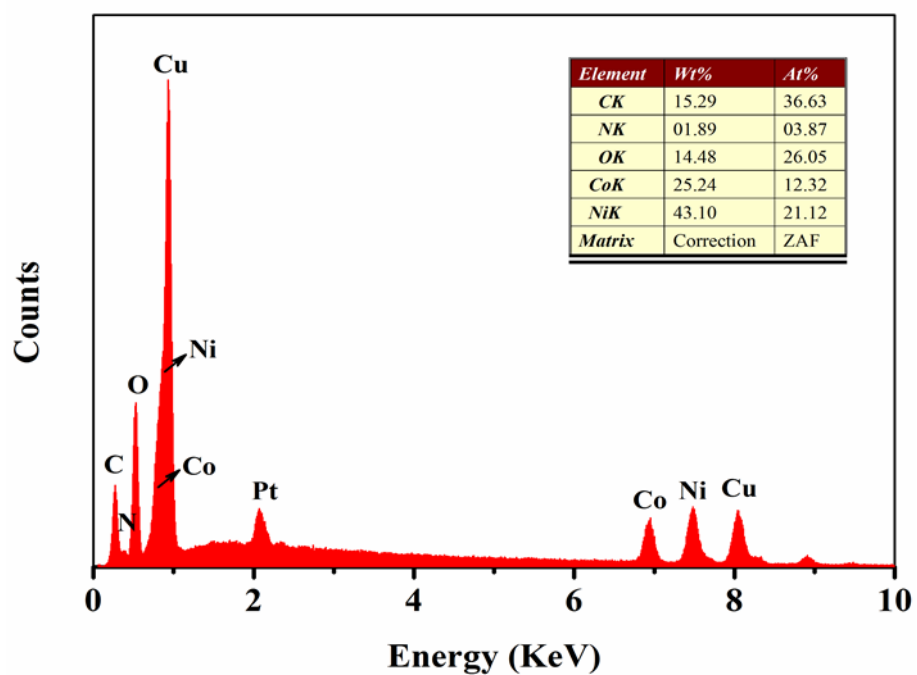


Figure S4. Energy dispersive X-ray spectra of NiCo-MOFs.

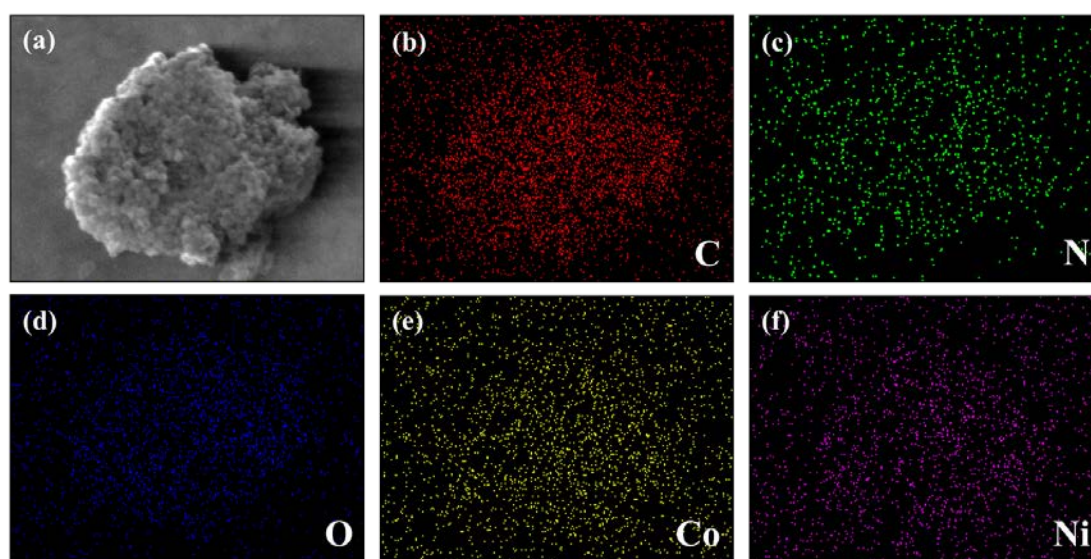


Figure S5. Elemental maps of NiCo-MOF NS.

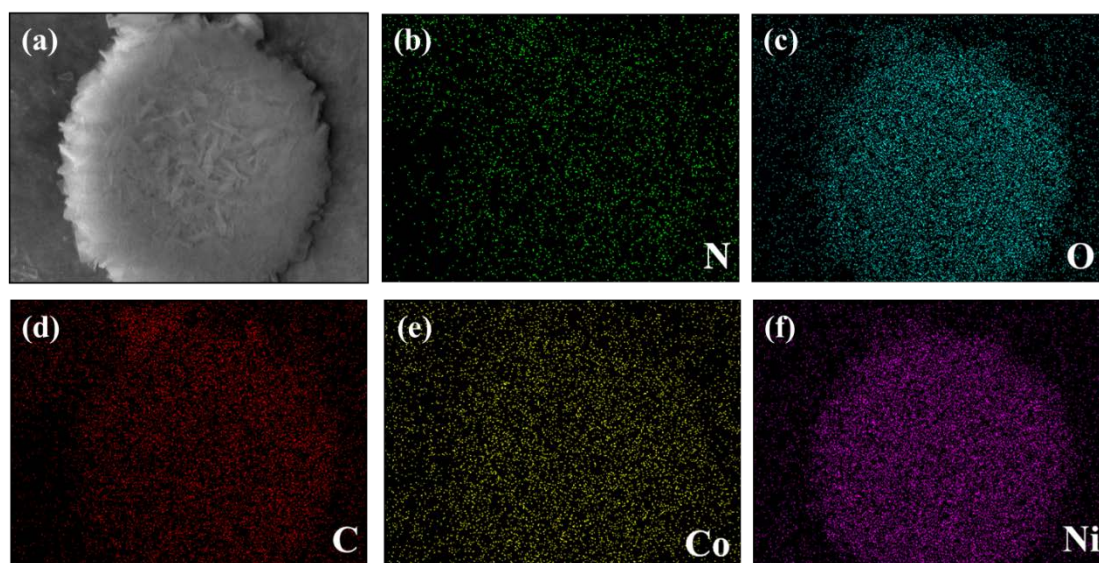


Figure S6. Elemental maps of NiCo-MOF NSHS.

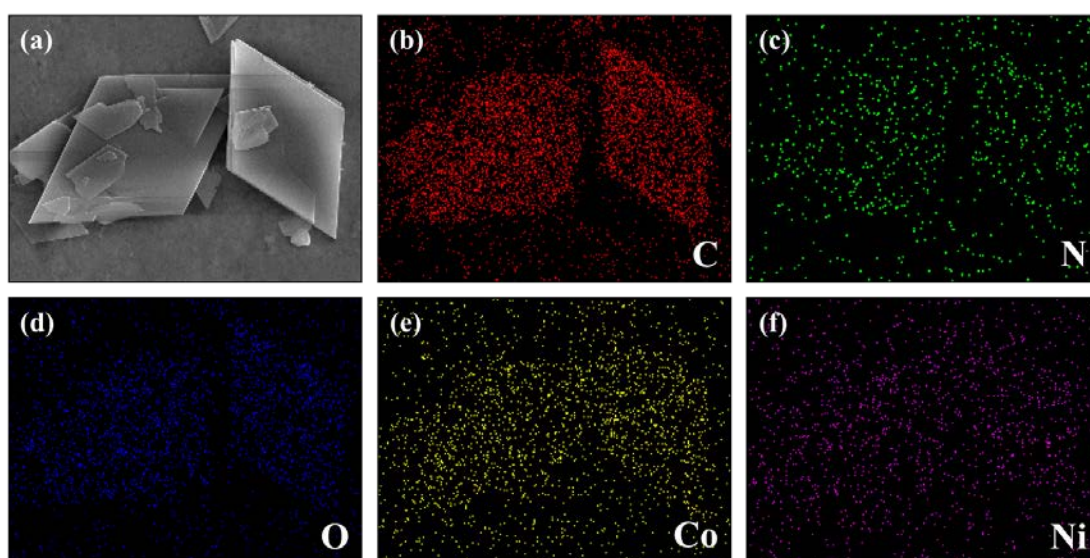


Figure S7. Elemental maps of NiCo-MOF RS.

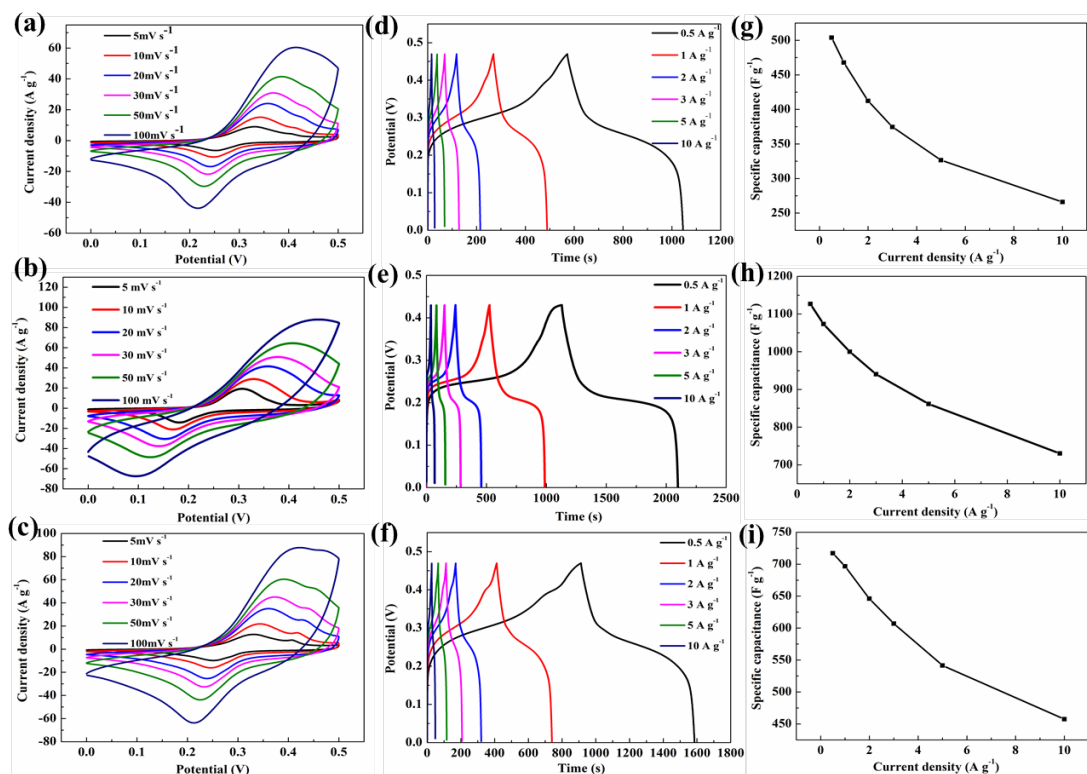


Figure S8. (a) CV curves of NiCo-MOF NS; (b) CV curves of NiCo-MOF NSHS; (c) CV curves of NiCo-MOF RS; (d) GCD curves of NiCo-MOF NS; (e) GCD curves of NiCo-MOF NSHS; (f) GCD curves of NiCo-MOF RS; (g) Specific capacitances of NiCo-MOF NS; (h) Specific capacitances of NiCo-MOF NSHS. (i) Specific capacitances of NiCo-MOF RS.

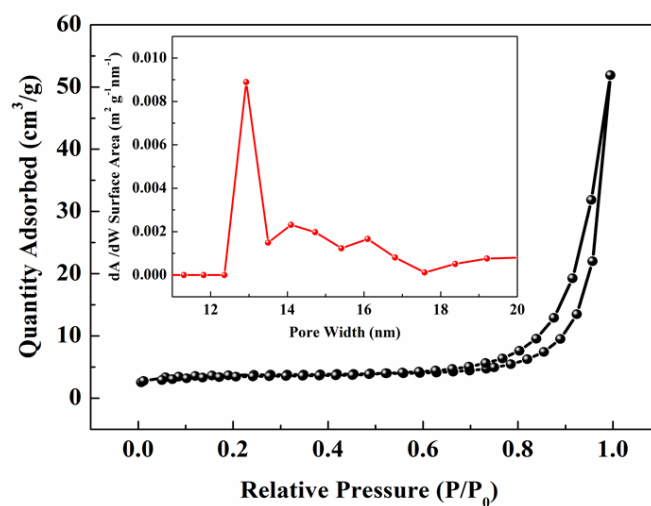


Figure S9. N₂ adsorption-desorption isotherms and corresponding pore-size distribution curves of NiCo-MOF NSHS.

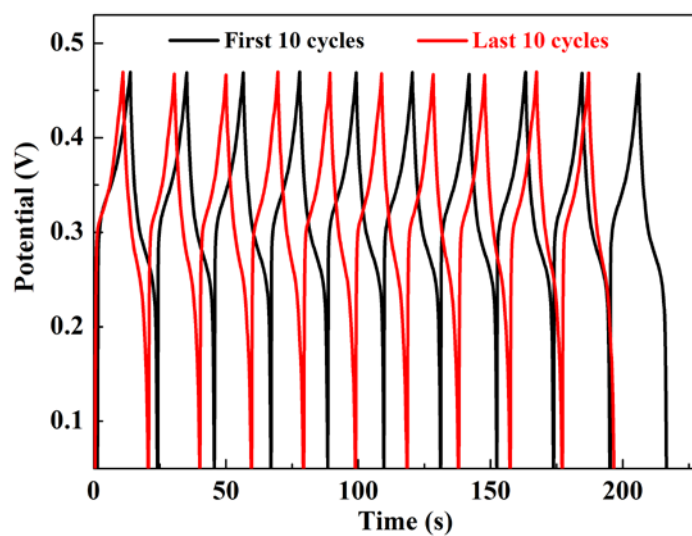


Figure S10. Comparison of the first 10 cycles and the last 10 cycles of NiCo-MOF NSHS.

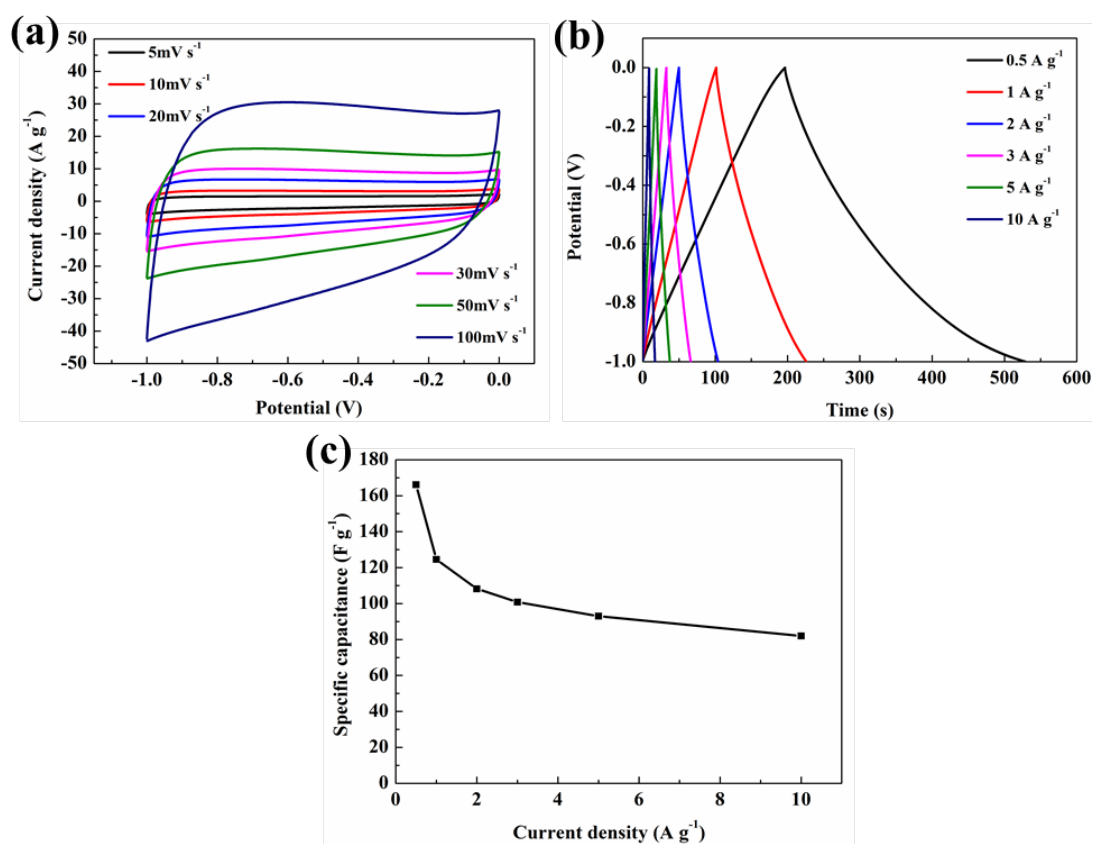


Figure S11. (a) CV curves, (b) GCD curves and (c) specific capacitance of AC electrode.

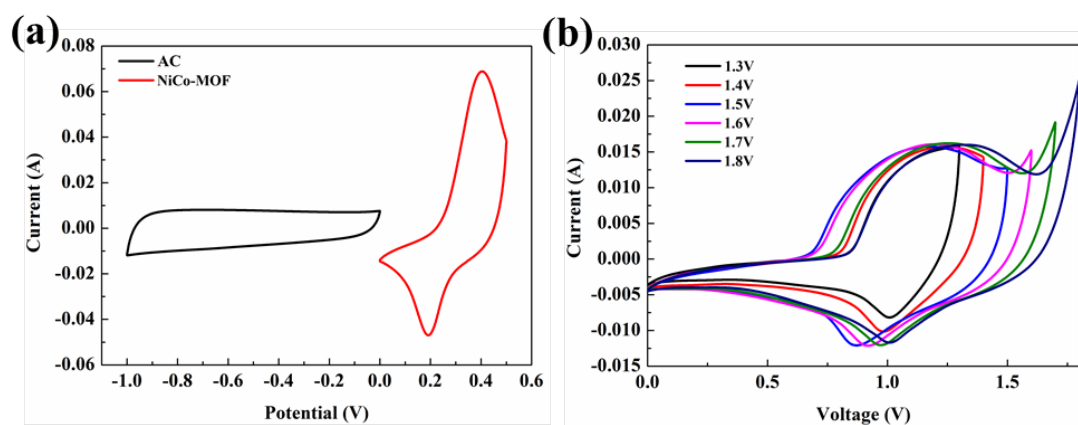


Figure S12. (a) CV curves of NiCo-MOF NSHS and AC; (b) NiCo-MOF NSHS //AC ASC device collected in different voltage windows at a scan rate of 50 mV s⁻¹.