

Supporting Information

Well-defined hollow tube@sheets NiCo_2S_4 core-shell nanoarrays for ultrahigh capacitance supercapacitor

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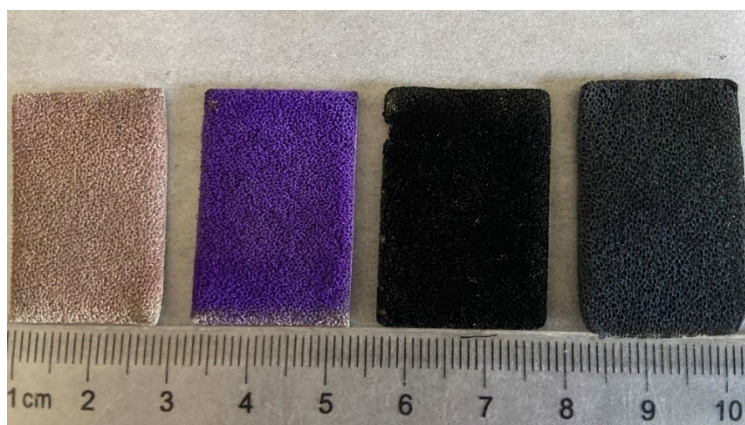


Fig. S1. Photography of CoCH, CoCH@ZIF-67, Co_9S_8 , NiCo_2S_4 on the Ni Foam.

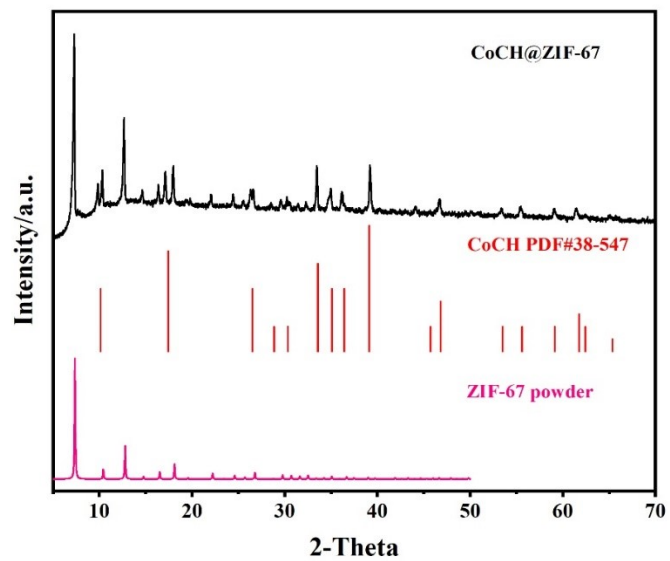


Fig. S2. XRD pattern of CoCH@ZIF-67.

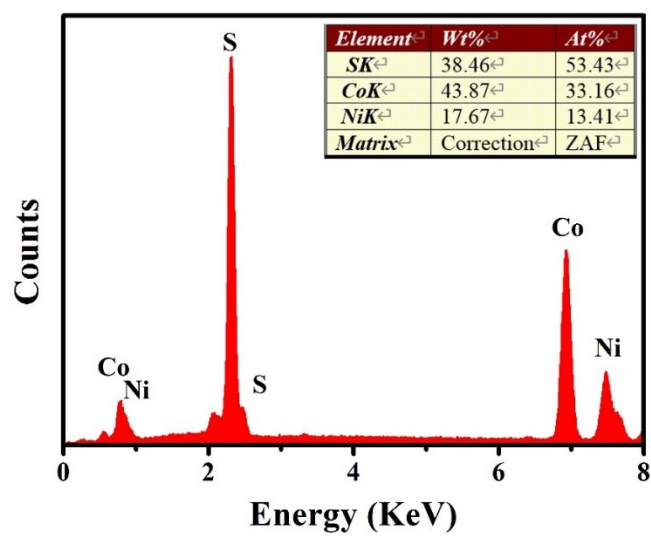


Fig. S3. EDS of NiCo₂S₄/NF.

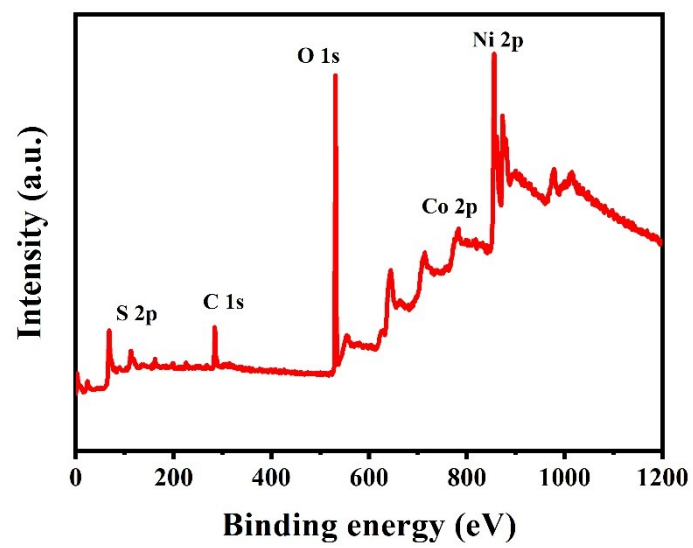


Fig. S4. Survey spectra of NiCo₂S₄/NF.

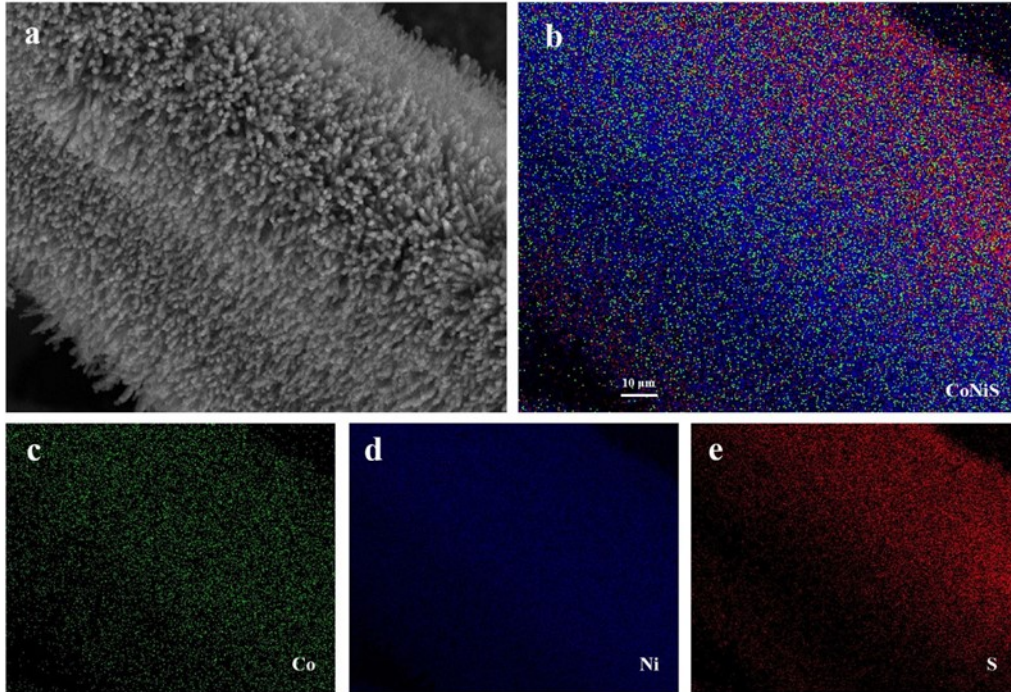


Fig. S5. The overall distribution of elements of NiCo₂S₄/NF

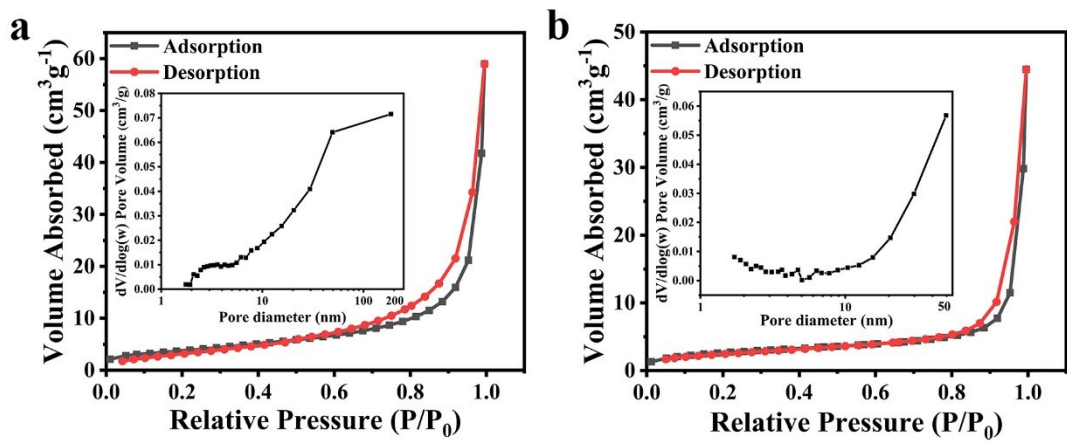


Fig. S6. (a) N_2 adsorption-desorption isotherm curve and pore size distribution curve of $\text{NiCo}_2\text{S}_4/\text{NF}$. (b) N_2 adsorption-desorption isotherm curve and pore size distribution curve of $\text{Co}_9\text{S}_8/\text{NF}$.

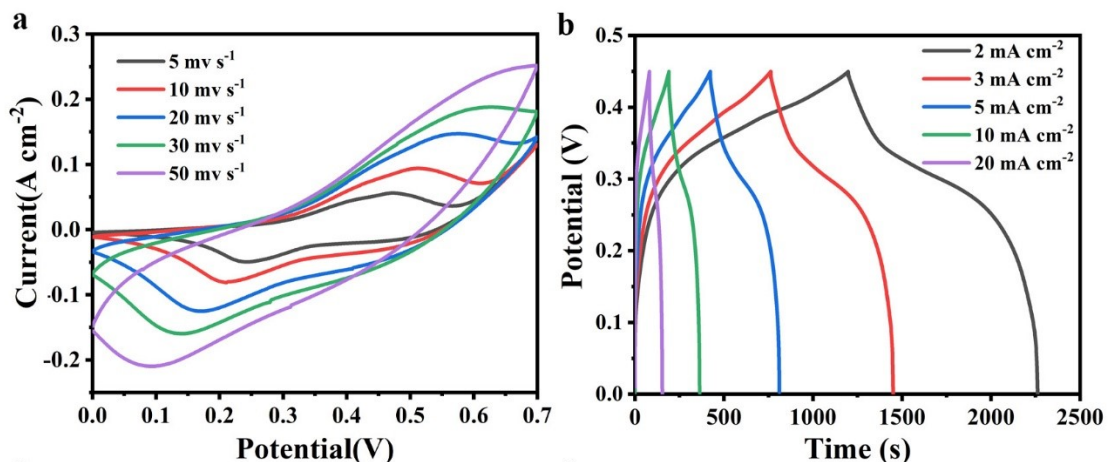


Fig. S7. (a) CV curves of Co₉S₈/NF at different scan rates; (b) GCD curve of Co₉S₈/NF at different current densities.

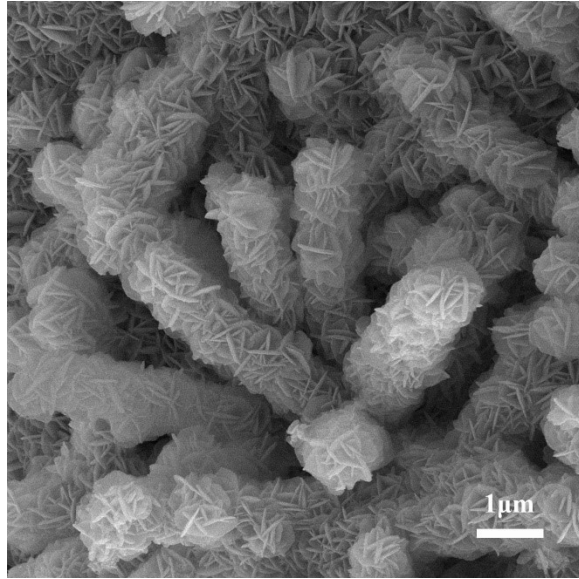


Fig. S8. SEM image of NiCo₂S₄/NF after cycling test.

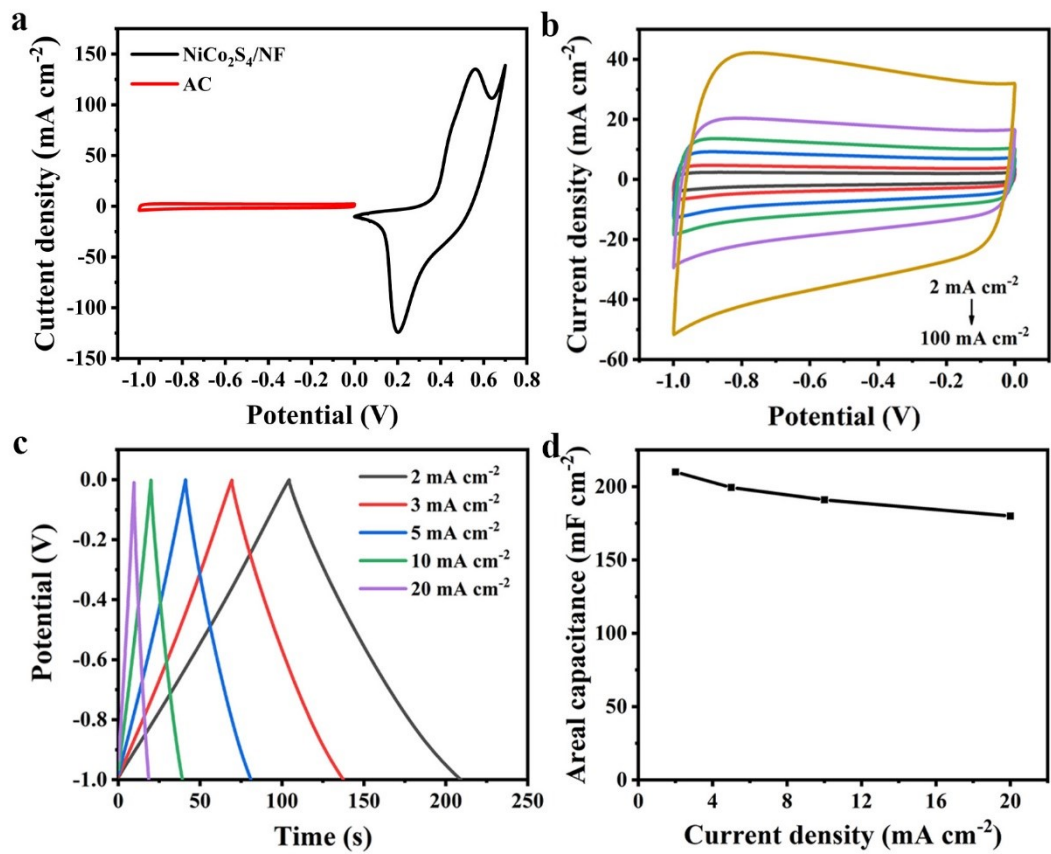


Fig. S9. (a) CV curves of NiCo₂S₄/NF and AC at a scan rate of 5 mV s⁻¹; (b) CV curves of AC at different scan rates; (c) GCD curves of AC at different current densities; (d) Specific capacitances of AC.

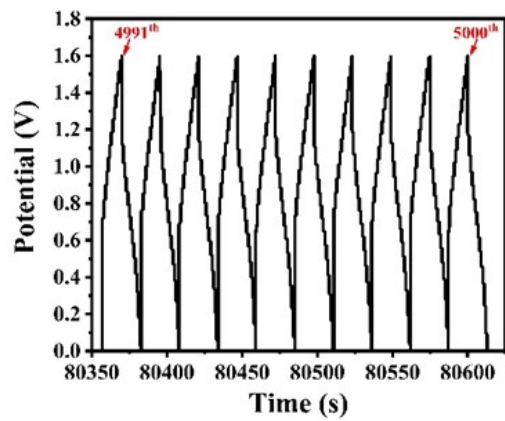


Fig. S10. Cycling performance of ACS device.