Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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Supplementary Information for New Journal of Chemistry

3D hierarchical mesoporous NiCo₂S₄@Ni(OH)₂ core-shell nanosheet arrays for high performance supercapacitors

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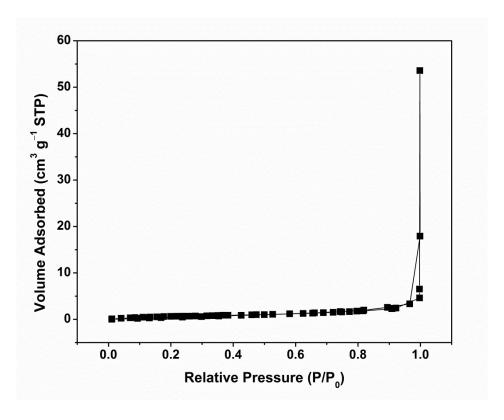


Figure S1. Nitrogen adsorption/desorption isotherm of the $CC/NiCo_2S_4@Ni(OH)_2$ -5 electrode. The surface area for this electrode was calculated from the adsorption isotherm by the Brunauer-Emmett-Teller (BET) method. The tested BET surface area is $3.2 \text{ m}^2 \text{ g}^{-1}$.

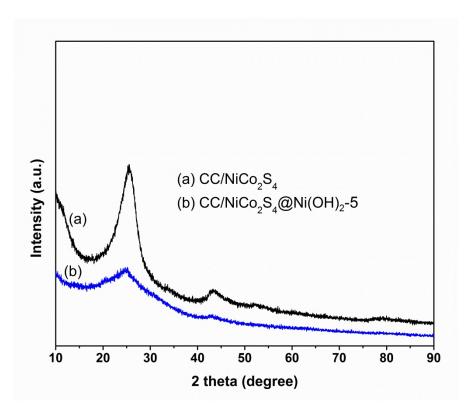


Figure S2. XRD patterns of CC/NiCo₂S₄ and CC/NiCo₂S₄@Ni(OH)₂-5 electrodes. The XRD spectra did not show clear diffraction peaks of NiCo₂S₄ and NiCo₂S₄@Ni(OH)₂-5 because the very thin layers of these materials were coated on the surface of the carbon clothes. The intensity of carbon at 2θ 26^0 and 44^0 in CC/NiCo₂S₄@Ni(OH)₂-5 was lower than that in NiCo₂S₄, indicating the coating of Ni(OH)₂ layers.