

## **Supplementary Materials**

# **Sulfur nanoparticle-decorated nickel cobalt sulfide hetero-nanostructures with enhanced energy storage for high-performance supercapacitors**

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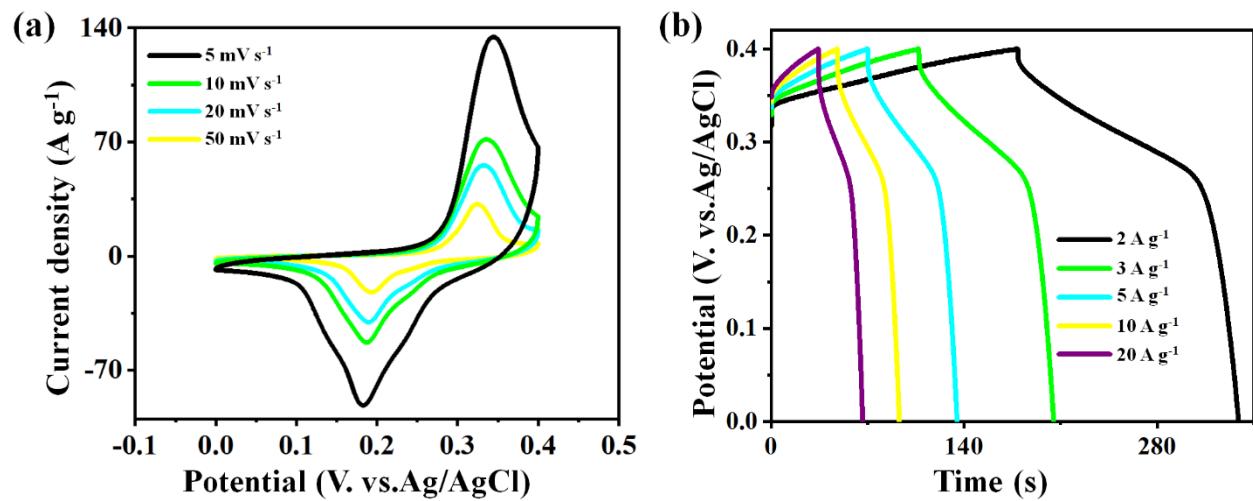
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**# Equal author contribution**

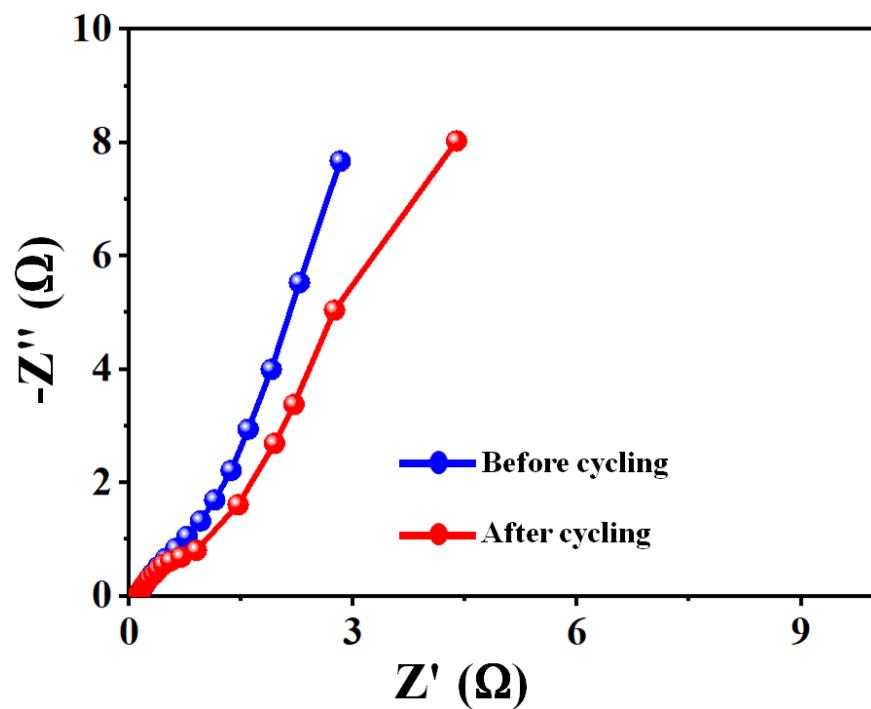
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**Figure S1.** (a and b) CV and GCD plots of pure  $\text{NiCo}_2\text{S}_4$  nanoparticles electrode at various scan rates and current densities in aqueous electrolyte.



**Figure S2.** EIS curves of the sulfur deficient  $\text{NiCo}_2\text{S}_4$  before and after 3500 cycles of stability test at  $3 \text{ A g}^{-1}$ .