## **Supporting Information**

## Construction of hierarchical CoS nanowire @NiCo $_2$ S $_4$ nanosheet arrays via one-step ion exchange for high-performance supercapacitors

Figure S1

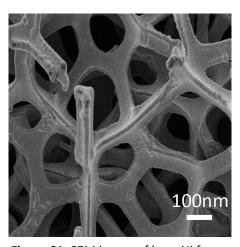


Figure S1. SEM image of bare Ni foam.

Figure S2

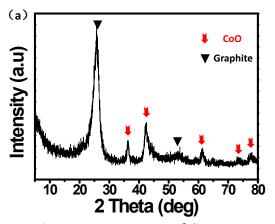
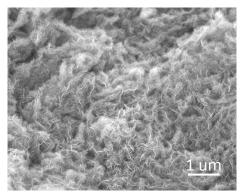


Figure \$1. XRD patterns of the CoO NWAs.

## Figure S3



**Figure S3.** SEM image of CoS@NiCo<sub>2</sub>S<sub>4</sub> NWSAs after 3000 cycles.