Support Information

Construction of CuCo$_2$O$_4$@CuCo$_2$O$_4$ hierarchical nanowire arrays grown on Ni foam for high-performance supercapacitors

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Fig. S1. High magnification SEM image of CuCo$_2$O$_4$@CuCo$_2$O$_4$ hierarchical nanowire arrays on Ni foam.
Fig. S2 Plots of peak current vs. the square root of scan rate of CV curves of CuCo$_2$O$_4$@CuCo$_2$O$_4$ electrode at different scan rates.

Fig. S3 (a) CV curves of the CuCo$_2$O$_4$ electrode at various scan rate. (b) Galvanostatic charge-discharge curves of the CuCo$_2$O$_4$ electrode at various current densities.
**Fig. S4** Typical SEM images the CuCo$_2$O$_4$ electrode (a) and (b) after 2000 cycles at different magnifications.

**Fig. S5** Typical SEM images the CuCo$_2$O$_4$@ CuCo$_2$O$_4$ electrode (a) and (b) after 2000 cycles at different magnifications.