

## Supporting Information

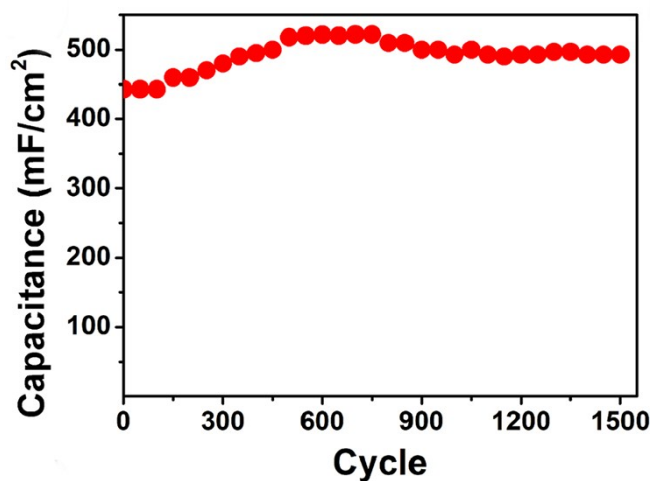
### Electrospun porous $\text{CuCo}_2\text{O}_4$ nanowire networks electrode for asymmetric supercapacitor

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The mass ratio of positive to negative electrodes was evaluated through using the following equation to maintain a charge balance  $Q^+=Q^-$  in order to fabricate the device

$$m^+/m^- = C^- \times E^- / (C^+ \times E^+)$$

In which Q, m, C, E are the charge, mass, specific capacitance, and potential windows, respectively. Accordingly, the optimal positive to negative mass ratio was determined to be 0.65 for this asymmetric capacitor.



**Figure S1.** The cycling performance of  $\text{CuCo}_2\text{O}_4$  network electrode at a current density of  $1 \text{ mA/cm}^2$ .

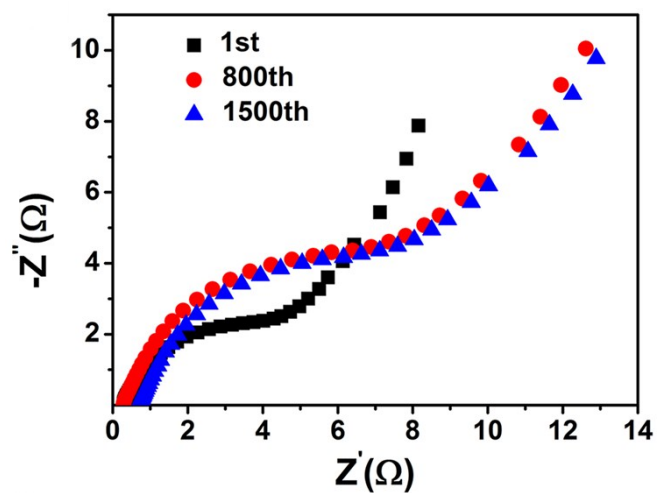


Figure S2. Impedance Nyquist plots of the  $\text{CuCo}_2\text{O}_4$  network electrode before and after 1500 cycles at open circuit potential.

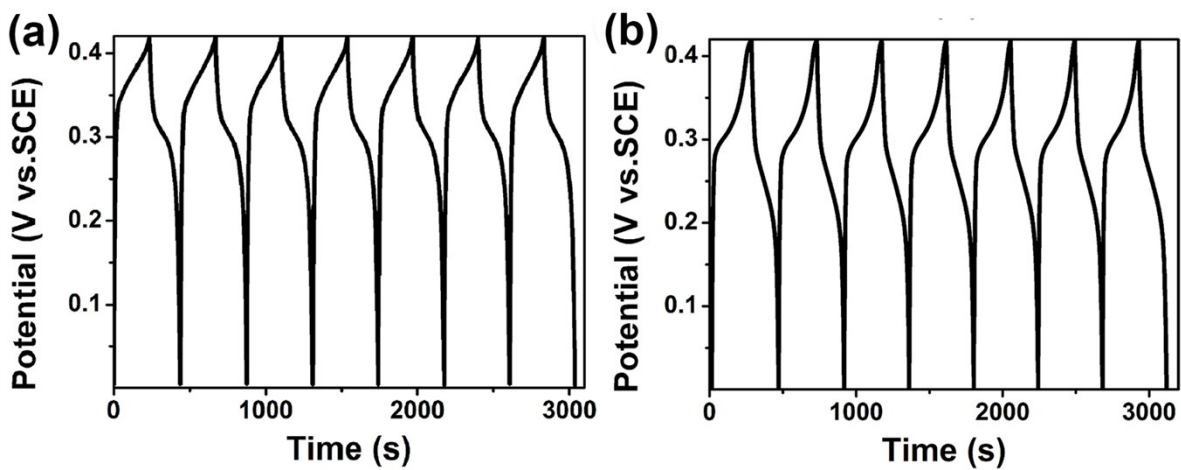


Figure S3. The first and last seven cycles.