Supplementary Materials

Facile Route to Achieve a Hierarchical CuO/Nickel-Cobalt-Sulfide Electrode for Energy Storage

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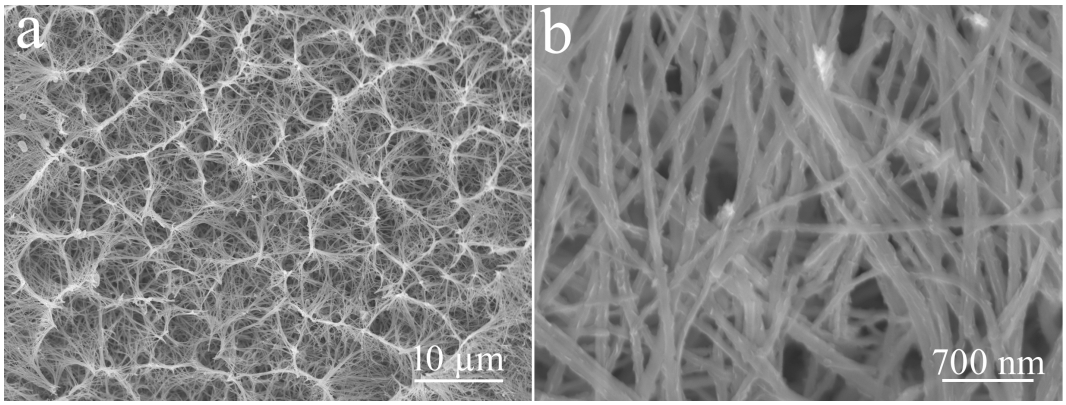

Figure S1. Low (**a**) and high (**b**) magnifification FE-SEM images of NCS electrodeposited on CuO for 1 min (S-1).

The *C*s value of CuO/NCS electrode is calculated according to the equation:

$$C_S = \frac{I \times \Delta t}{S \Delta V}$$

where C_S (F cm^{-2}) is the specific capacitance, I (A) is the charge and discharge current, Δt (s) is the discharging time, S (cm^2) is the effective area of the electrode and ΔV (V) represents the potential drop during discharge.

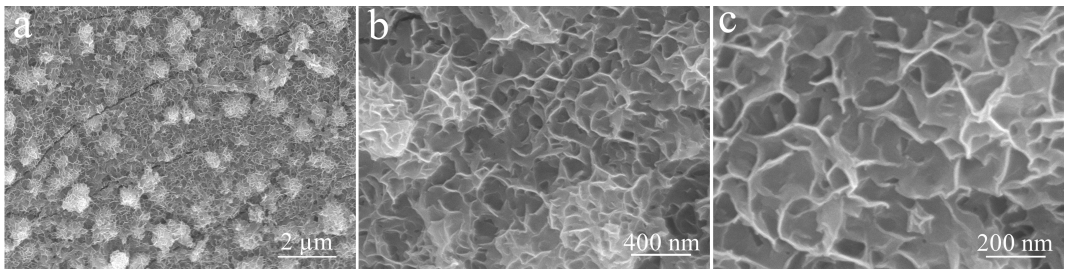

Figure S2. Low (**a**) and high (**b**,**c**) magnifification FE-SEM images of individual NCS deposited on CF at different magnifications.

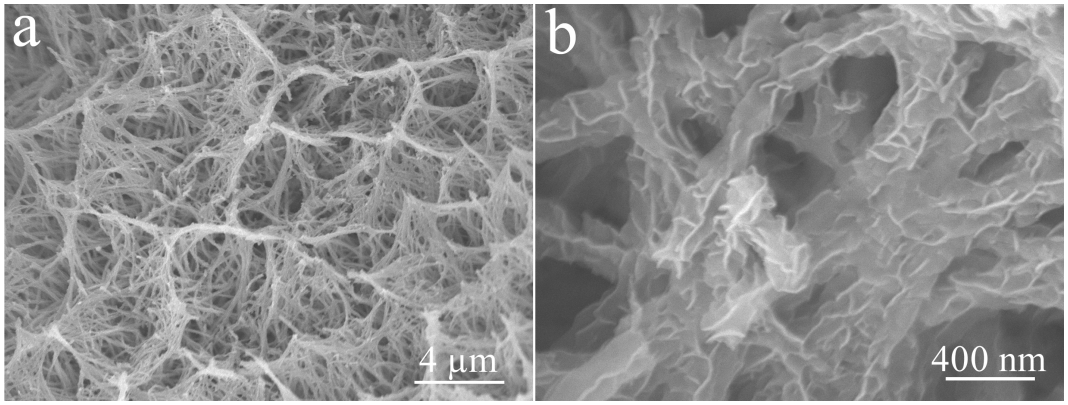

Figure S3. Low (**a**) and high (**b**) magnifification FE-SEM images of CuO/NCS at different magnifications after electrochemical performance testing.