

Supporting Information

Hierarchical Co₃O₄ Nanosheet@Nanowire Arrays with Enhanced Pseudocapacitive Performance

Part I. The way to do capacitance calculation:

The specific capacitances C were calculated from the galvanostatic discharge curves using the equation 1. where I is the current applied, $\Delta V/\Delta t$ is the slope of the discharge curve, and m is the mass of the sample on one electrode.

$$C = \frac{I * \Delta t}{\Delta V * m} \quad (\text{Equation 1})$$

Part II. Supplementary Figures

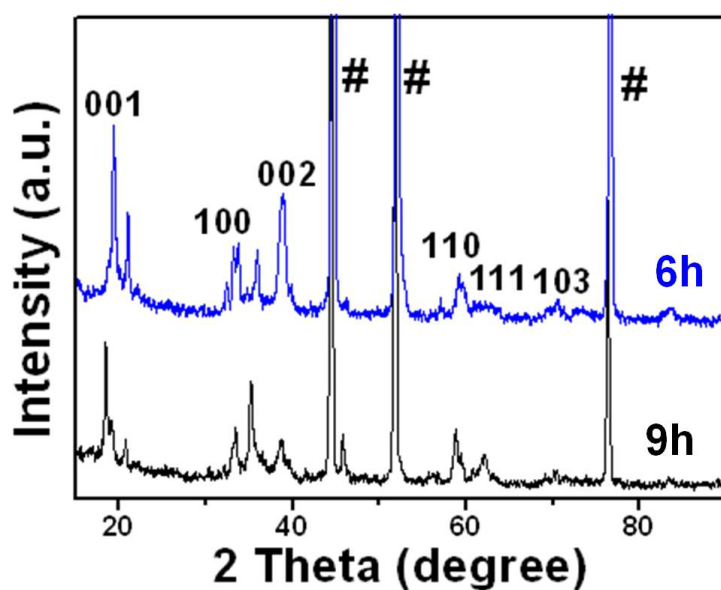


Figure S1. XRD pattern of the precursor for 6h and 9h.

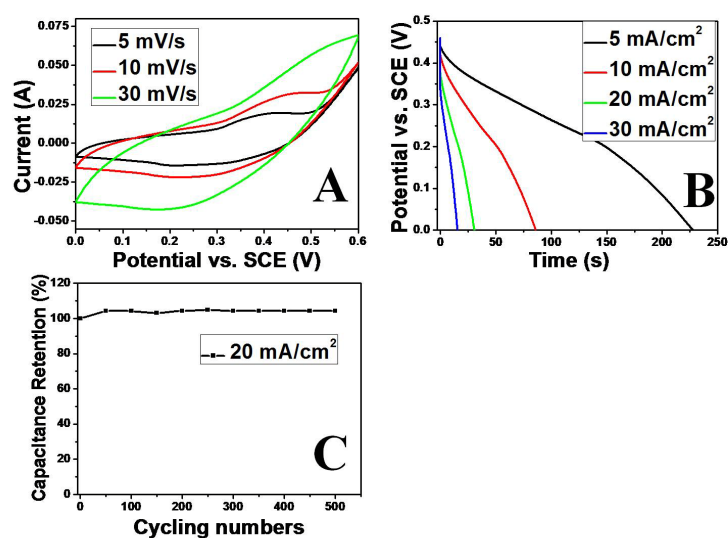


Figure S2. Electrochemical characterization of the Co₃O₄ NSAs: (A) CV curves of the Co₃O₄ NSAs at different scan rates; (B) galvanostatic discharge curves of the Co₃O₄ NSAs at various discharge current densities; (C) average specific capacitance versus cycle number of the Co₃O₄ NSAs at a galvanostatic charge and discharge current density of 20 mA/cm².

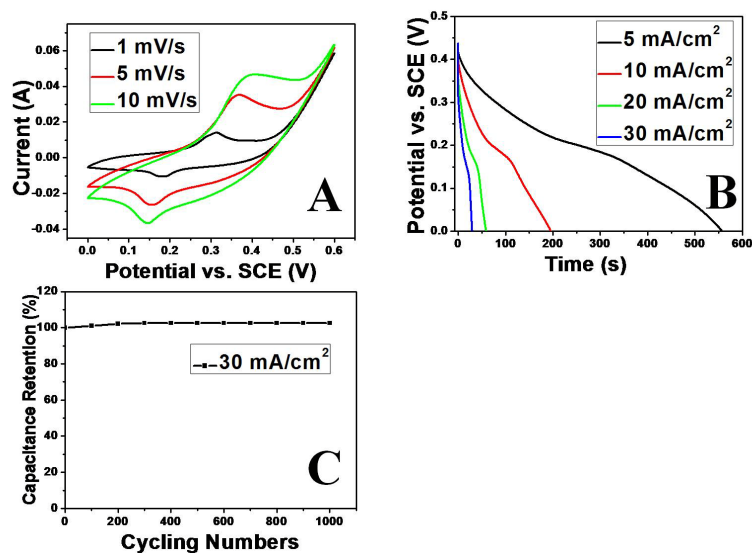


Figure S3. Electrochemical characterization of the Co₃O₄ NWAs: (A) CV curves of the Co₃O₄ NWAs at different scan rates; (B) galvanostatic discharge curves of the Co₃O₄ NWAs at various discharge current densities; (C) average specific capacitance

versus cycle number of the Co_3O_4 NWAs at a galvanostatic charge and discharge current density of 30 mA/cm^2 .