

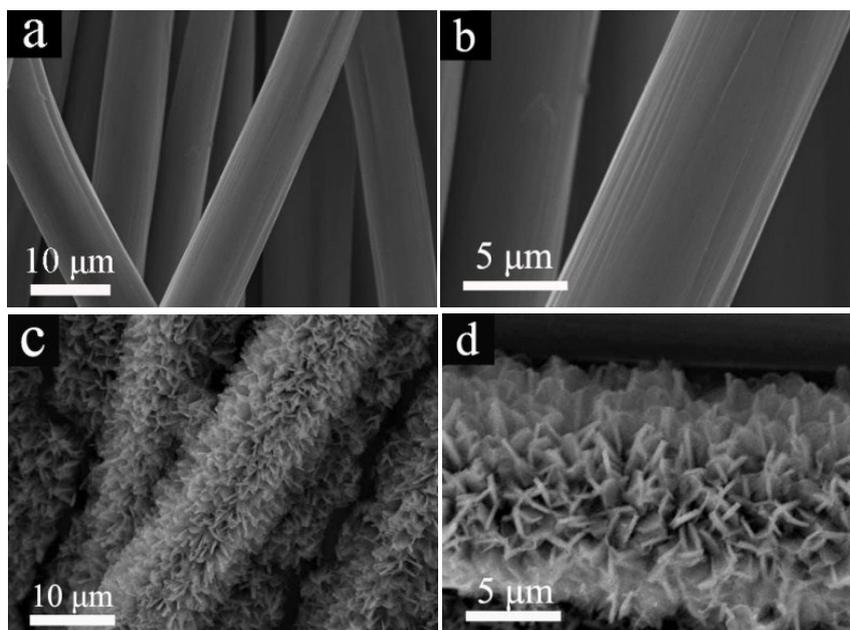
***Supplementary Materials:***

**Metal-Organic Framework Nanosheet derived Petal-like  
Co<sub>3</sub>O<sub>4</sub>@CoNi<sub>2</sub>S<sub>4</sub> Hybrid on Carbon Cloth with Enhanced  
Performance for Supercapacitors**

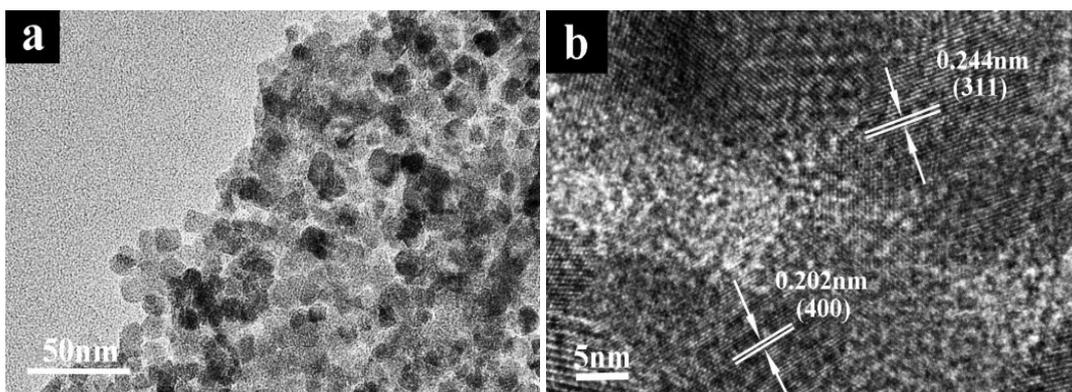
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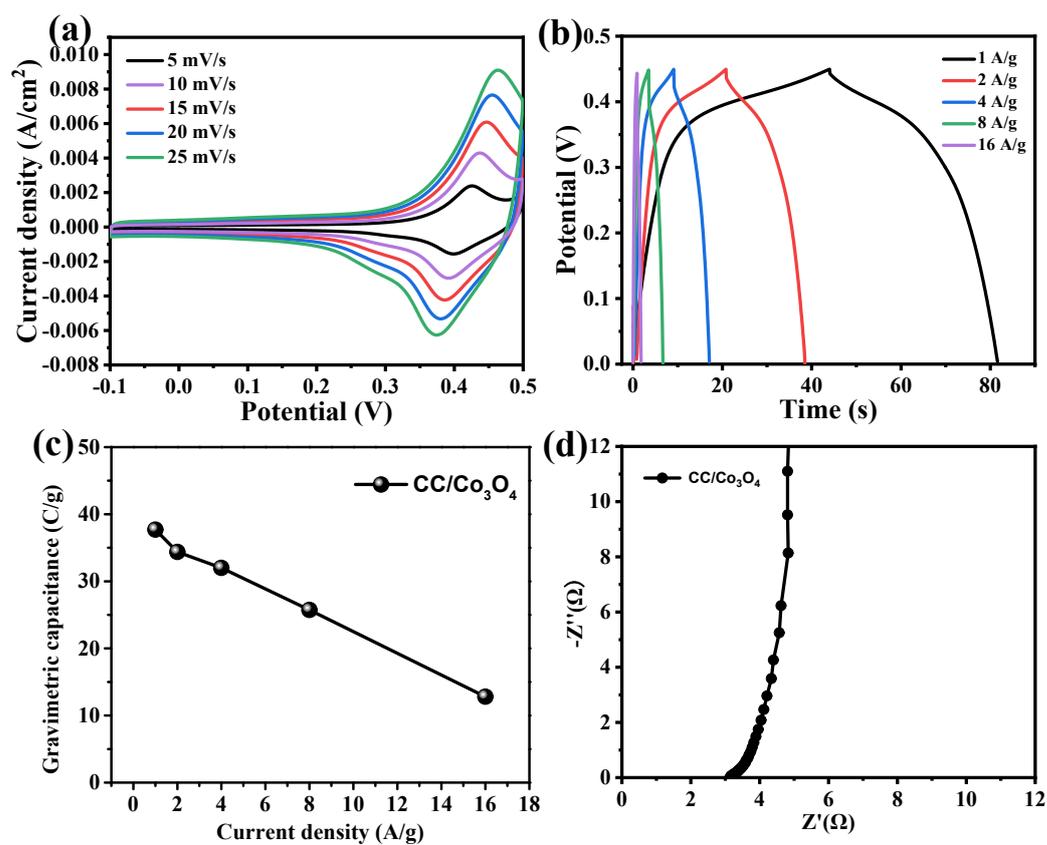
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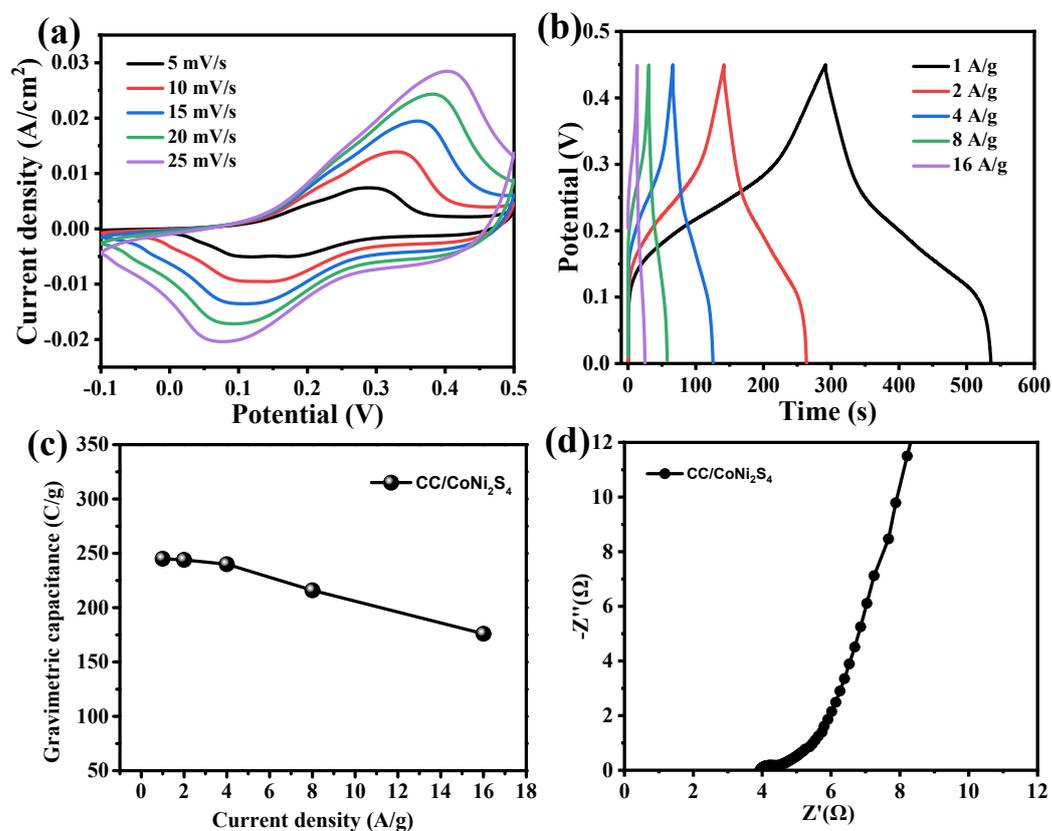
**Figure S1.** (a,b) SEM images of the clean carbon cloth and (c,d) the Co-MOF on carbon cloth.



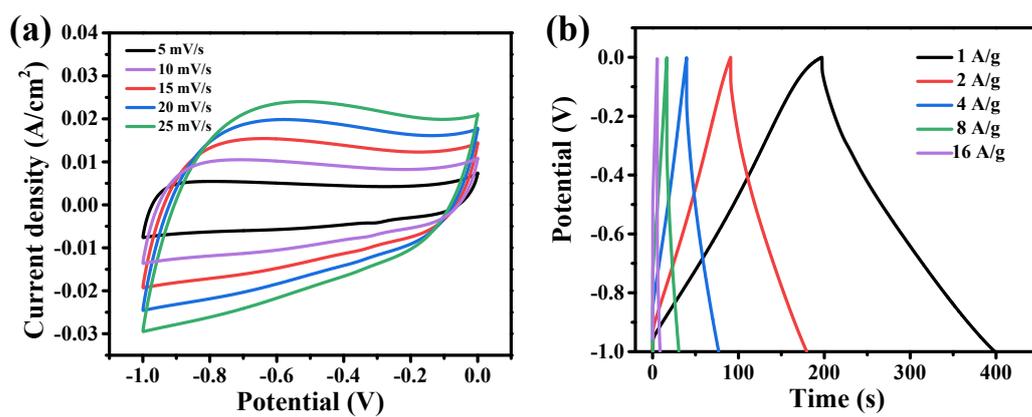
**Figure S2.** TEM images of the  $\text{Co}_3\text{O}_4$  nanosheets



**Figure S3.** The electrochemical performance of the  $\text{Co}_3\text{O}_4$  electrode in 2 M KOH electrolyte: (a) CV curves, (b) GCD curves, (c) Specific capacitances at different current densities calculated from GCD curves, (d) EIS curve.



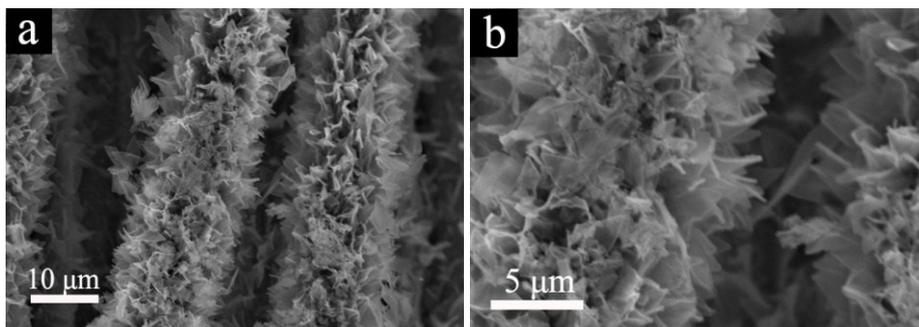
**Figure S4.** The electrochemical performance of the CoNi<sub>2</sub>S<sub>4</sub> electrode in 2 M KOH electrolyte: (a) CV curves, (b) GCD curves, (c) Specific capacitances at different current densities calculated from GCD curves, (d) EIS curve.



**Figure S5.** The electrochemical performance of the electrode in 2 M KOH electrolyte: (a) CV curves of CC/Co<sub>3</sub>O<sub>4</sub>@CoNi<sub>2</sub>S<sub>4</sub> and AC electrodes at a scan rate of 5 mV·s<sup>-1</sup>, (b) CV curves of AC (c) GCD curves of AC, (d) EIS curve of AC.



**Figure S6.** The photograph of an LED is powered by the two ASCs in series.



**Figure S7.** The SEM images of CC/Co<sub>3</sub>O<sub>4</sub>@CoNi<sub>2</sub>S<sub>4</sub> on carbon cloth after 10000 cycles.