Supplementary Materials:

Metal-Organic Framework Nanosheet derived Petal-like Co₃O₄@CoNi₂S₄ Hybrid on Carbon Cloth with Enhanced Performance for Supercapacitors

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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 Co$_3$O$_4$ nanosheets
Figure S3. The electrochemical performance of the Co$_3$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$_2$S$_4$ 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 S5. The electrochemical performance of the electrode in 2 M KOH electrolyte: (a) CV curves of CC/Co$_3$O$_4$@CoNi$_2$S$_4$ and AC electrodes at a scan rate of 5 mV·s$^{-1}$, (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$_3$O$_4$@CoNi$_2$S$_4$ on carbon cloth after 10000 cycles.