

Supporting Information

Preparation of Hybrid of Hybrid Cu₂O/CuMoO₄ Nanosheet Electrode for High-performance Asymmetric Supercapacitors

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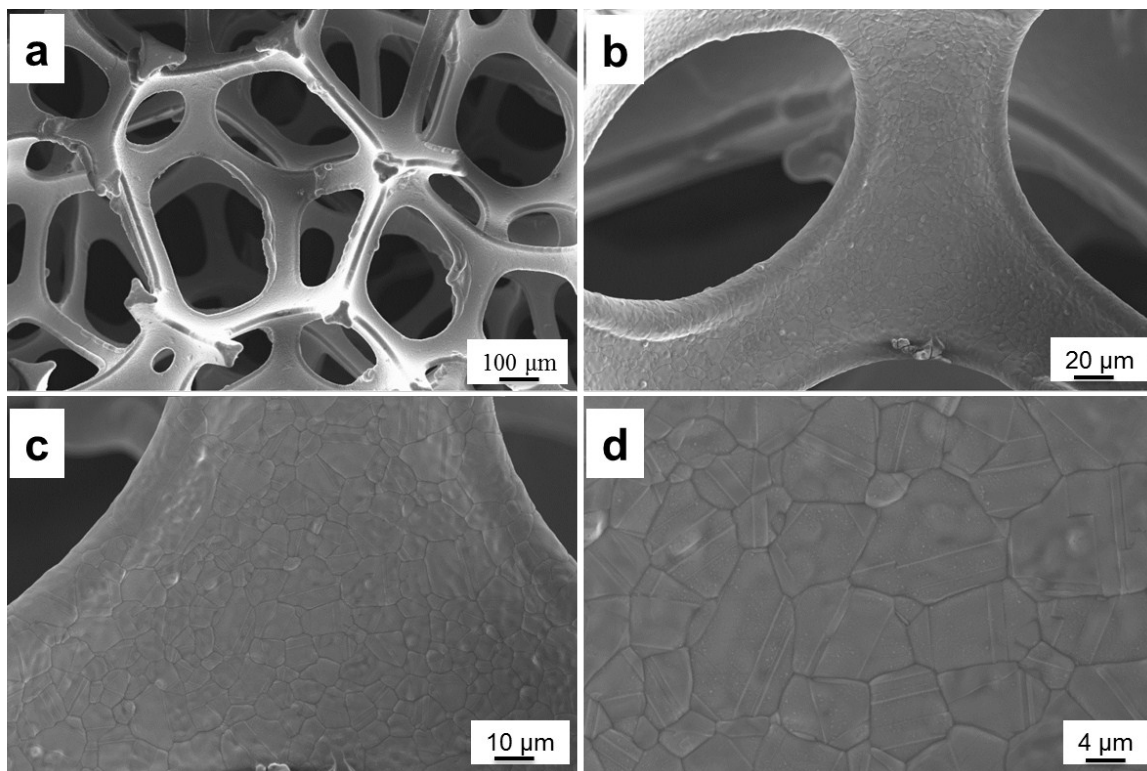


Fig. S1. Typical SEM images of bare Ni foam.

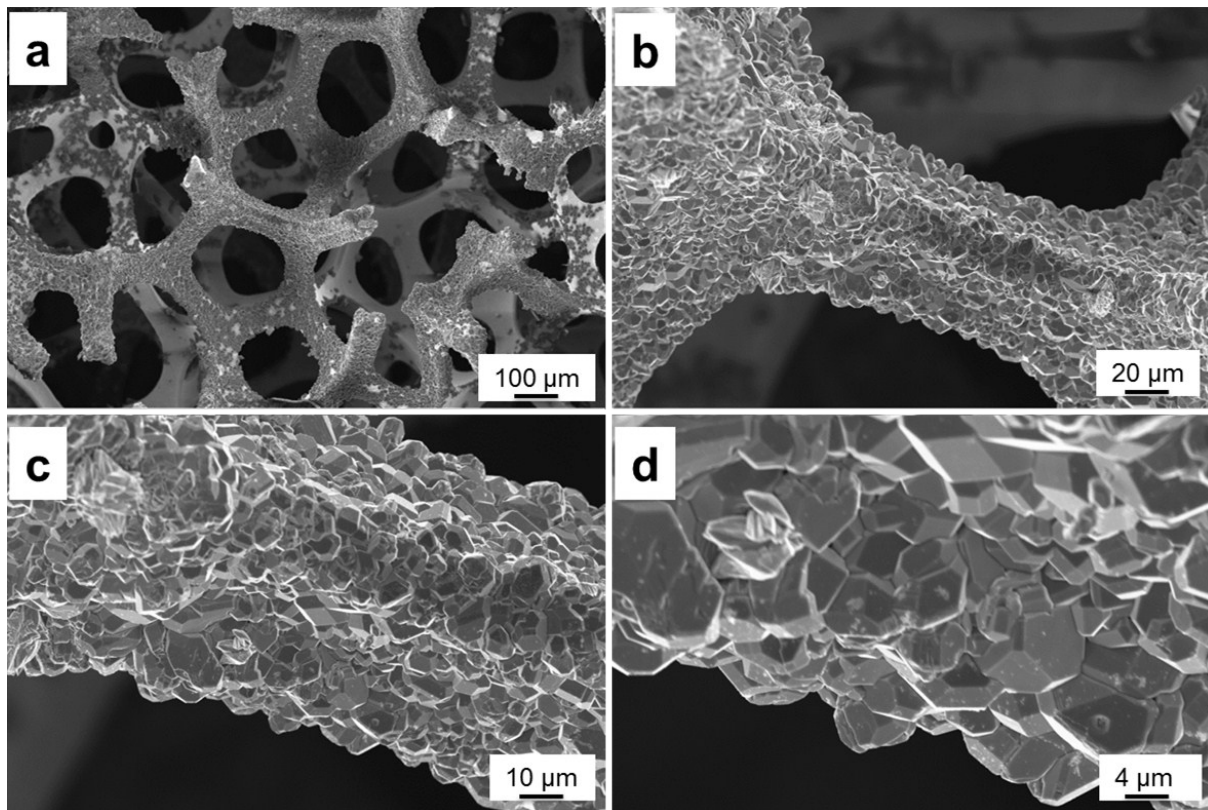


Fig. S2. Typical SEM images of Cu₂O grown on Ni foam.

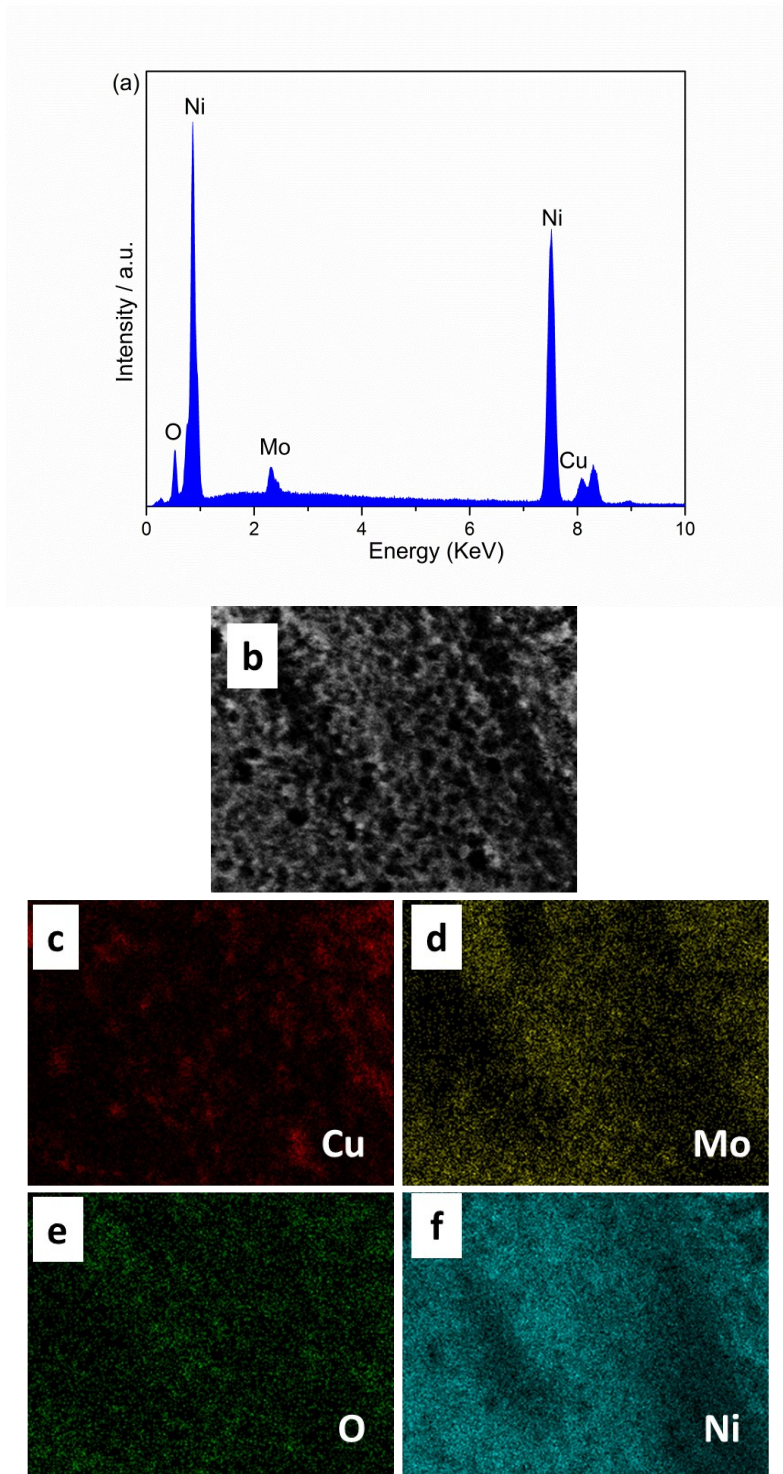


Fig. S3. a) EDX spectrum of the hybrid nanosheets grown on Ni foam and b-f) the mapping results according to the position.

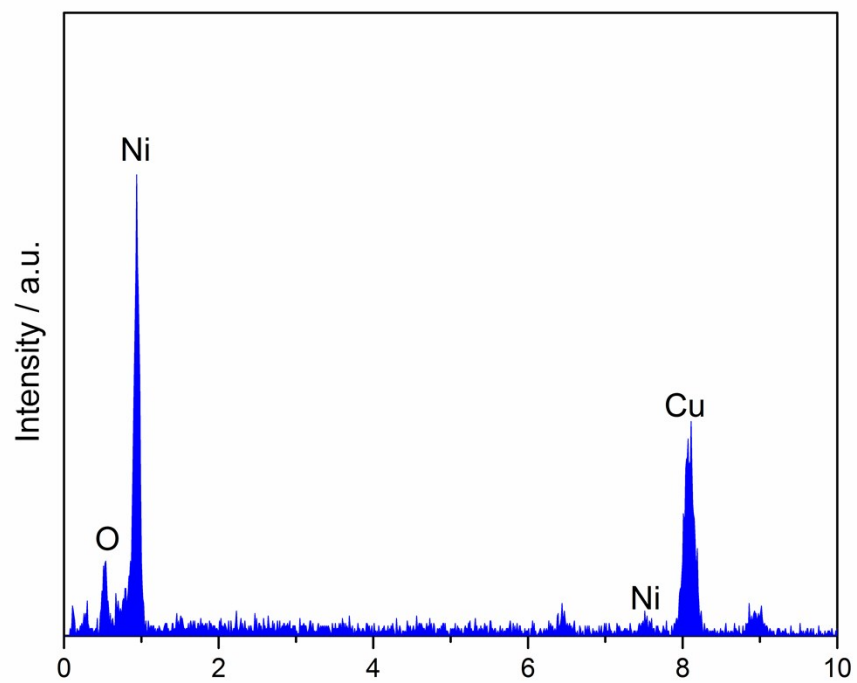


Fig. S4. a) EDX spectrum of the Cu_2O grown on Ni foam.

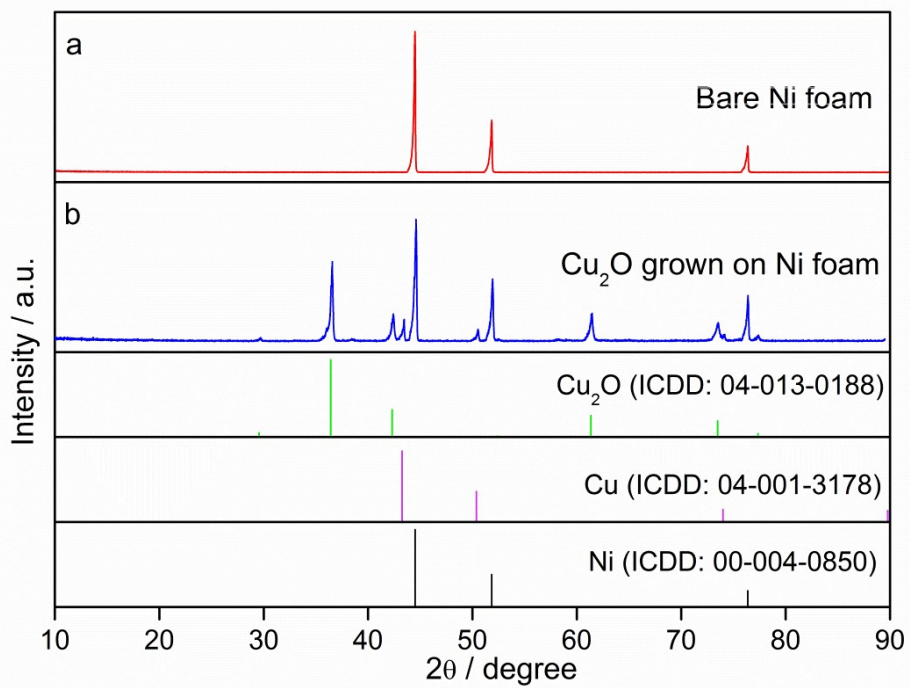


Fig. S5. XRD patterns of a) bare Ni foam and b) the as-synthesized Cu₂O grown on Ni foam.

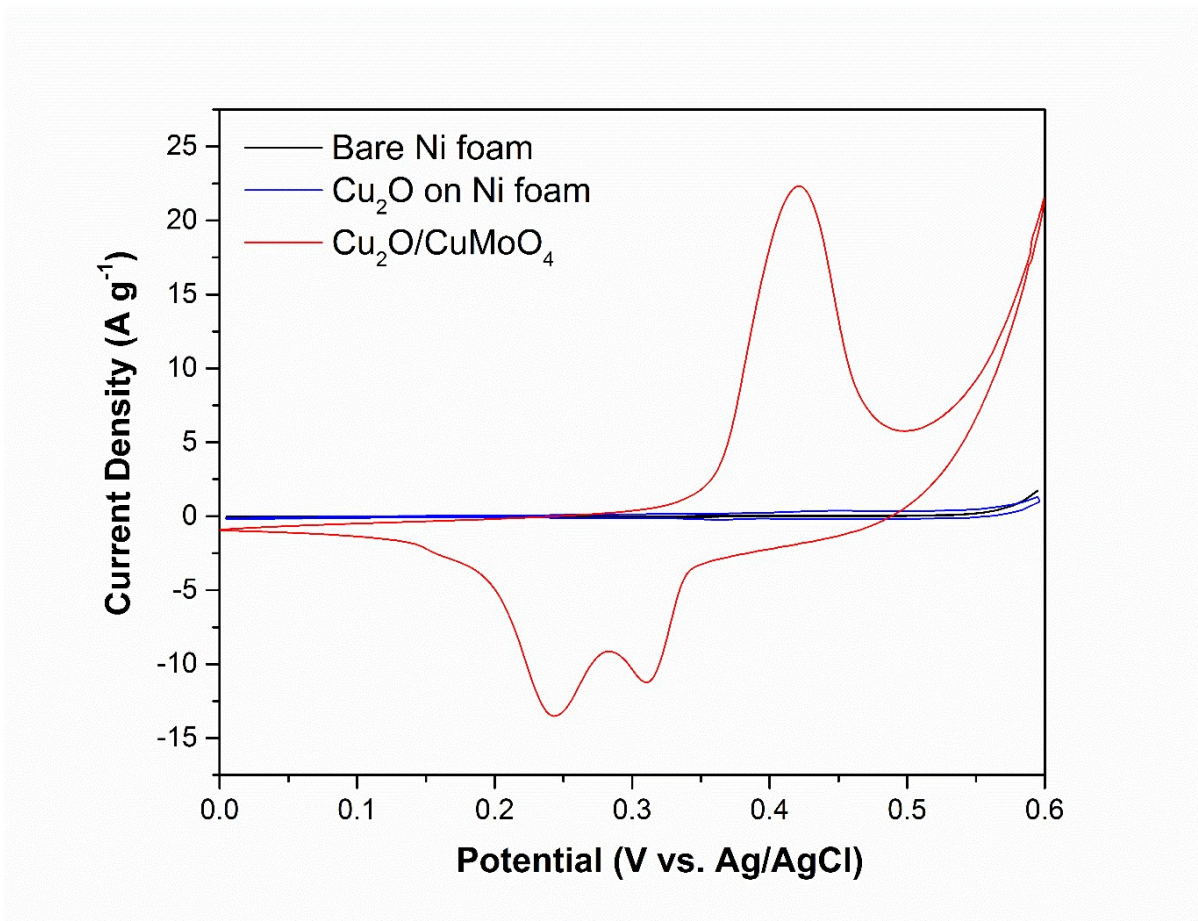


Fig. S6. Cyclic voltammograms (CV) of bare Ni foam after annealing in Argon at 450 °C for 2h, Cu₂O grown on Ni foam and hybrid Cu₂O/CuMoO₄ nanosheets electrode in a potential range of 0 to 0.6 V at a scan rate of 1 mV s⁻¹.

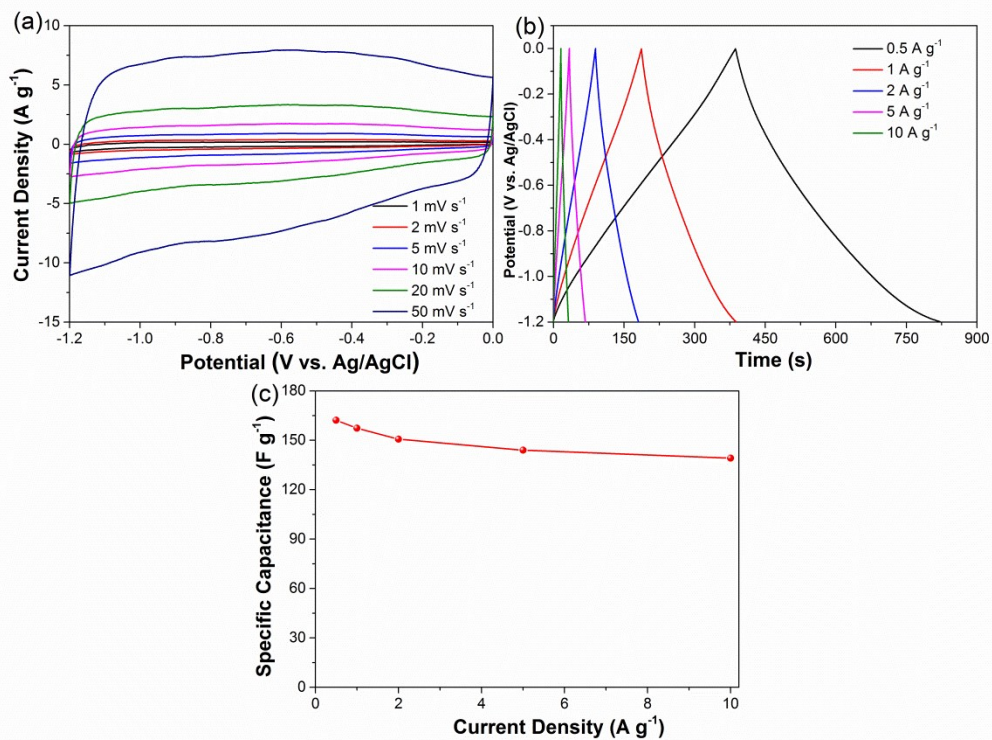


Fig. S7. a) CV curves of the AC electrode at various scan rates. b) Galvanostatic charge–discharge curves of the AC electrode at various current densities. c) Specific capacitance at various current densities.

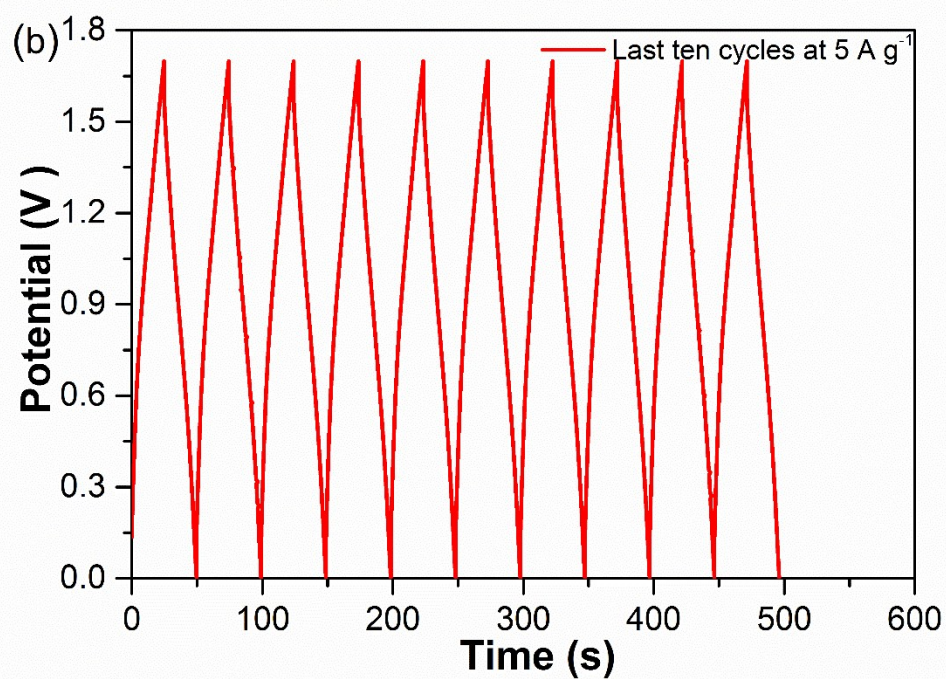
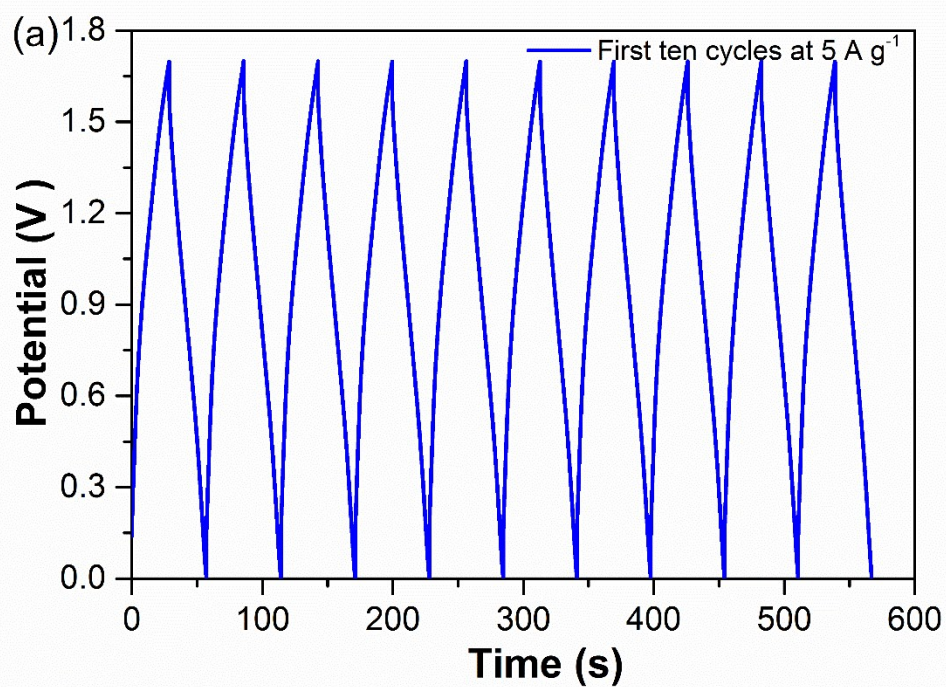


Fig. S8. a) First and b) last ten charge-discharge curves of the $\text{Cu}_2\text{O}/\text{CuMoO}_4//\text{AC}$ asymmetric supercapacitor at a current density of 5 A g^{-1} .