

## Solvothermal synthesis and excellent electrochemical performance of polycrystalline rose-like $\text{Co}_9\text{S}_8$ hierarchitectures

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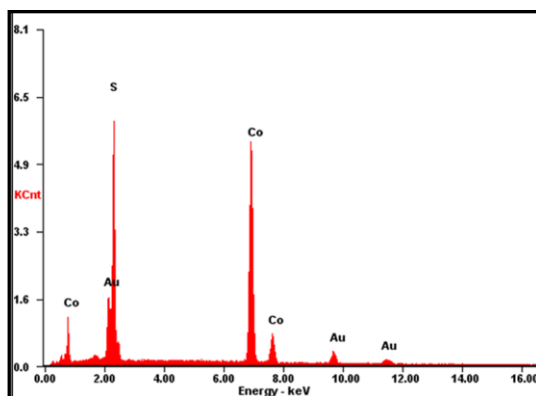


Fig. S1 Energy dispersive spectrum of the as-synthesized rose-like  $\text{Co}_9\text{S}_8$ .

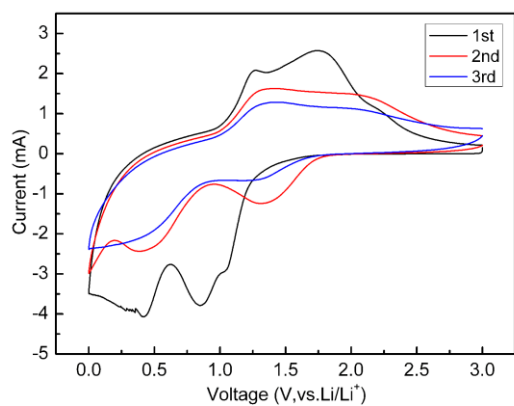


Fig. S2 CV curve of the rose-like  $\text{Co}_9\text{S}_8$  electrode at  $0.5 \text{ mV s}^{-1}$  scanning rate in the potential window from 0.01 V to 3.0 V (vs. Li<sup>+</sup>/Li).