

Supporting Information:

**Heterostructure MnO₂@NiS₂/Ni(OH)₂ materials
for high-performance pseudocapacitor
electrodes**

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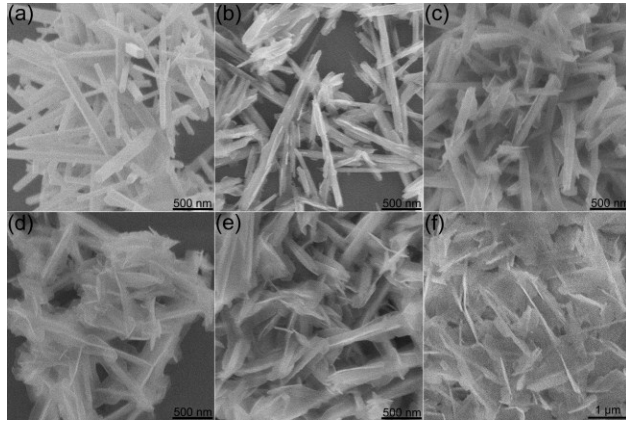


Fig. S1. SEM images of the $\text{MnO}_2@\text{NiS}_2/\text{Ni}(\text{OH})_2$ heterostructure materials synthesized with 2 h (a), 4 h (b), 6 h (c), 8 h (d), 12 h (e), and 24 h (f).

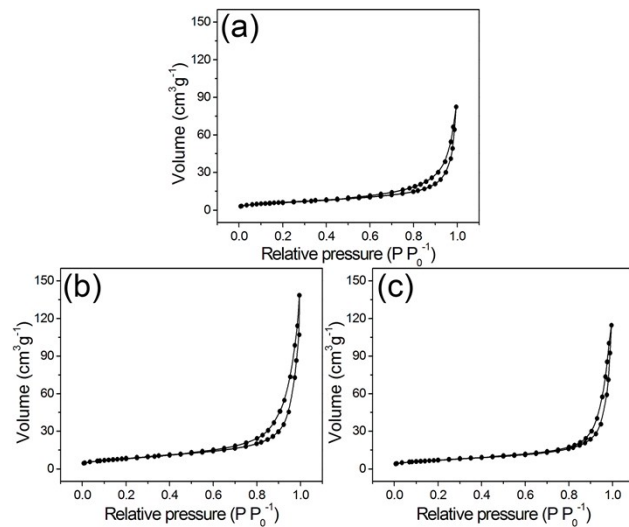


Fig. S2. The N_2 absorption-desorption isotherms of the $\text{MnO}_2@\text{NiS}_2/\text{Ni}(\text{OH})_2$ heterostructure materials synthesized with 4 h (a), 12 h (b), and 24 h (c).

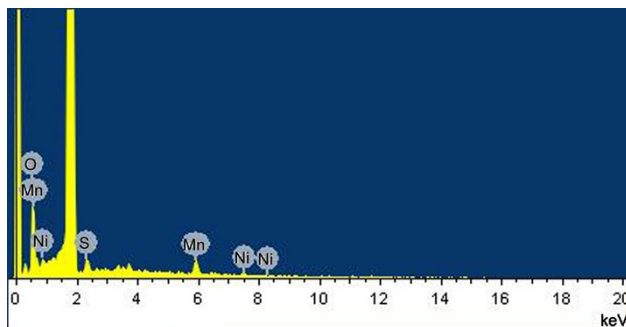


Fig. S3. EDX spectrum of $\text{MnO}_2@\text{NiS}_2/\text{Ni}(\text{OH})_2$ heterostructure materials synthesized with 12 h.

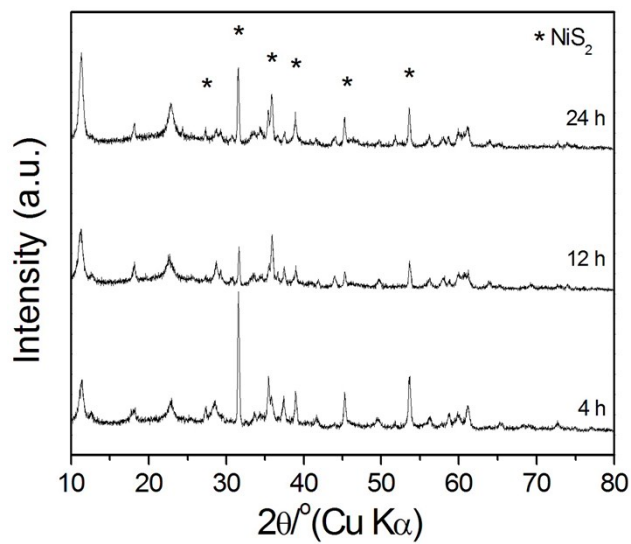


Fig. S4. XRD pattern of the heterostructured $\text{MnO}_2@\text{NiS}_2/\text{Ni}(\text{OH})_2$ with different reaction time, 4 h, 12 h and 24 h.

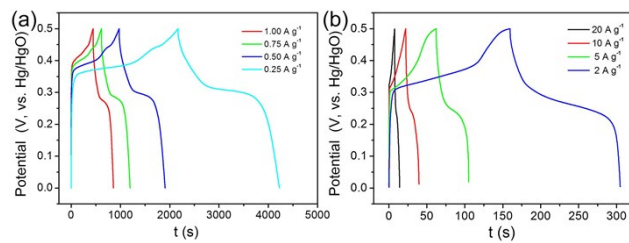


Fig. S5. Galvanostatic charge-discharge curves with different current densities of MnO₂@NiS₂/Ni(OH)₂.