

Electronic Supplementary Material

NiCo₂O₄@MnMoO₄ Core-shell Flower for High Performance Supercapacitors

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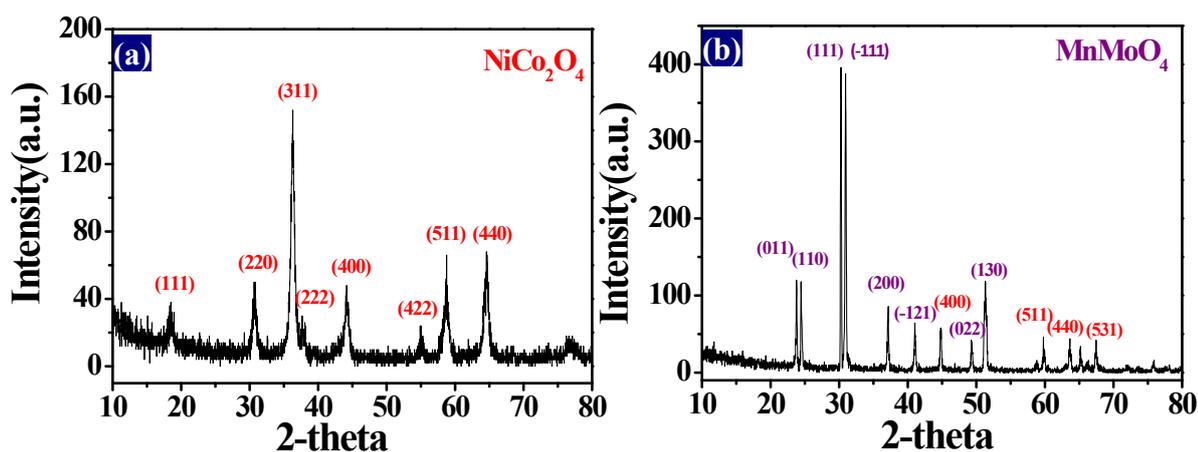


Figure S1 (a) Typical XRD patterns of the NiCo₂O₄ nano-microspheres (b) XRD pattern of the NiCo₂O₄@MnMoO₄ (6 h) core/shell composite scratched from Ni foam.

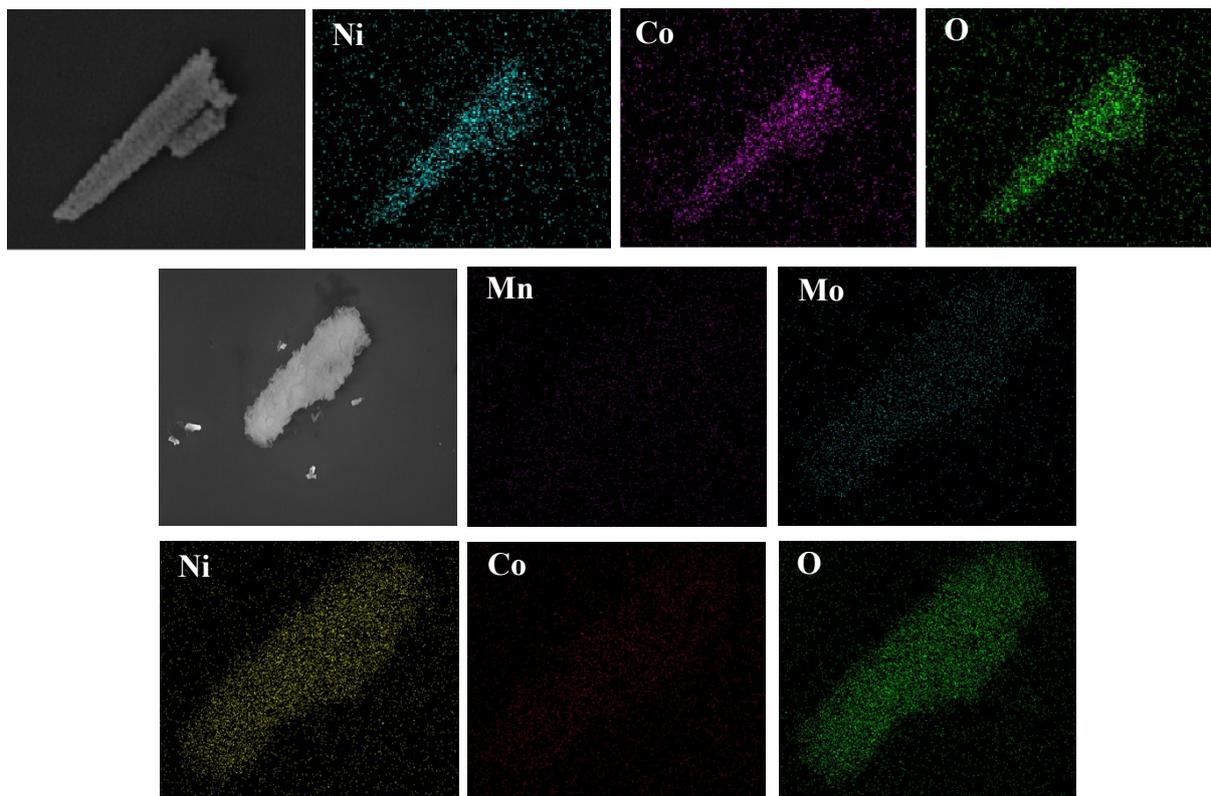


Figure S2 EDX mapping of the NiCo_2O_4 and $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ core/shell materials.

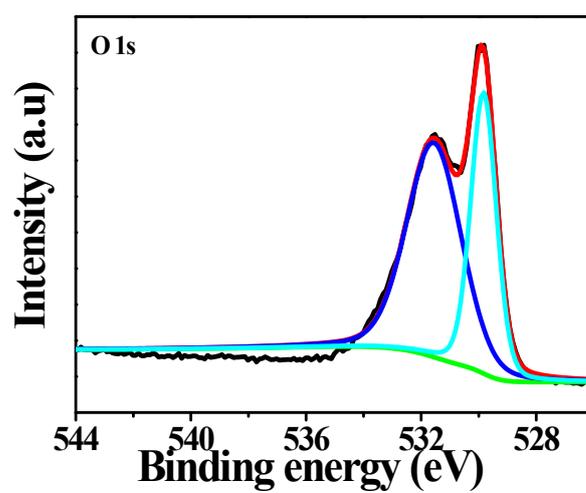


Figure S3 The corresponding O1s spectrum of the $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ NFRs.

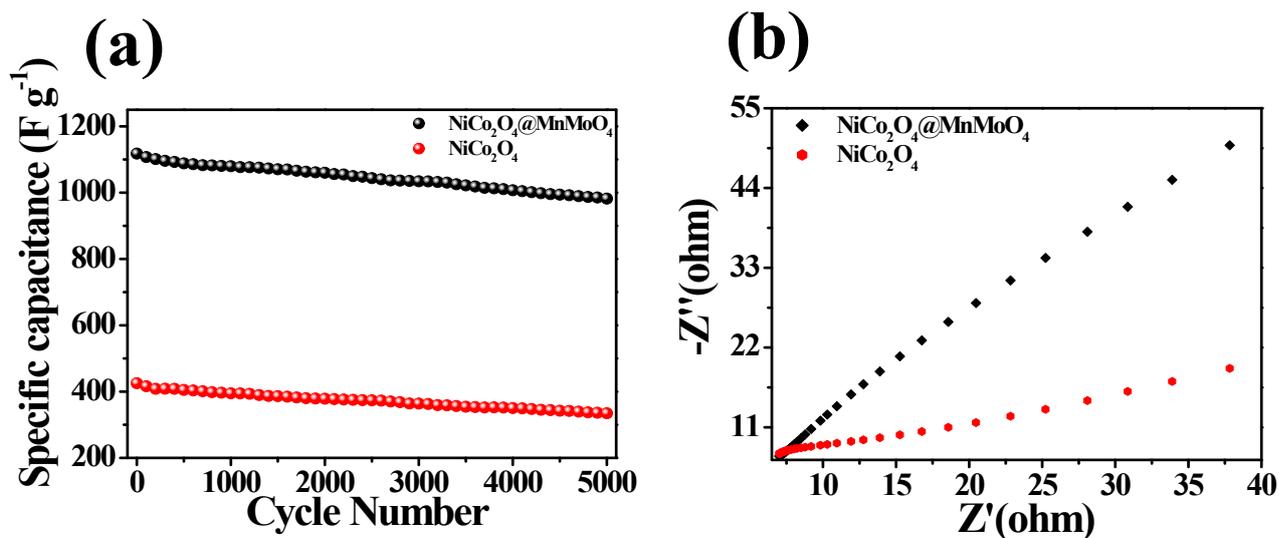


Figure S4 Long-term cycling stability of the NiCo_2O_4 and $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ hybrid electrodes. (d) Impedance Nyquist plots of the NiCo_2O_4 electrode and the $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ hybrid electrode.

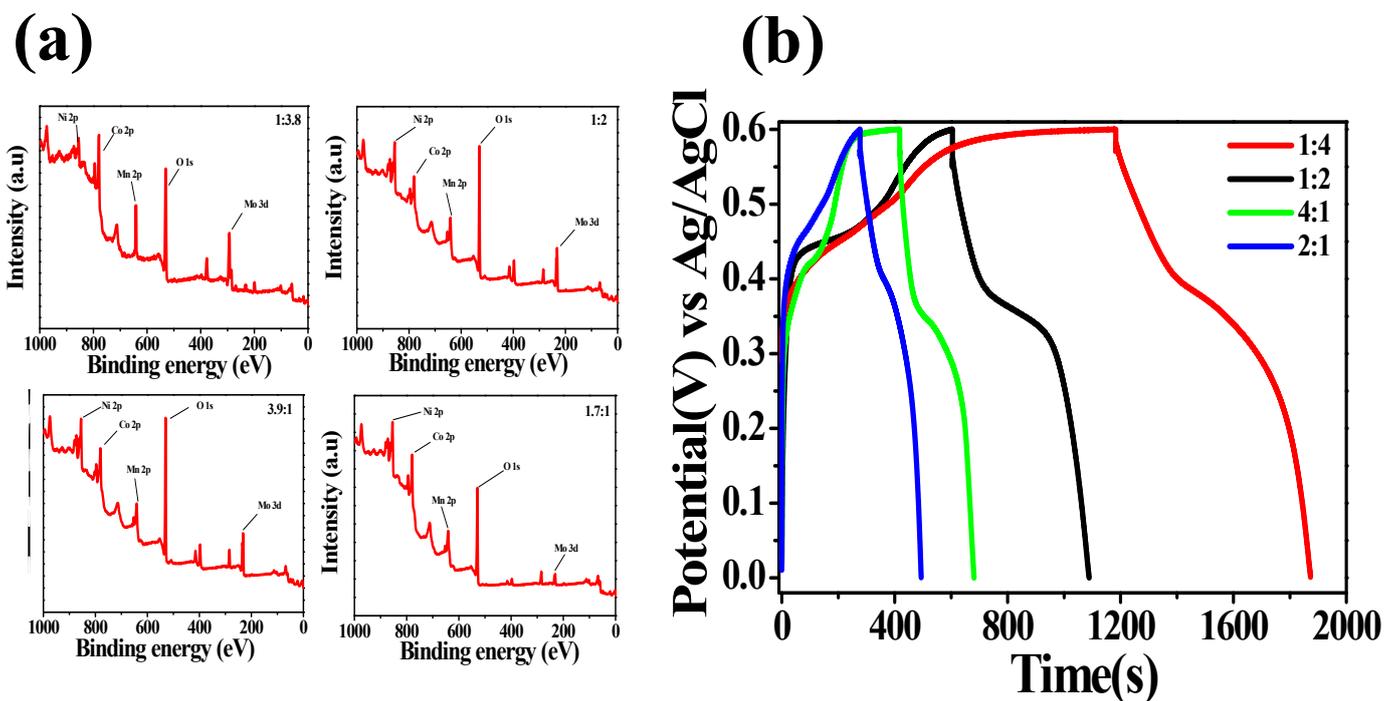


Figure S5 (a) The xps survey of $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ with different molar ratio. (b) The Galvanostatic charge-discharge curves of $\text{NiCo}_2\text{O}_4@\text{MnMoO}_4$ with different molar ratio.

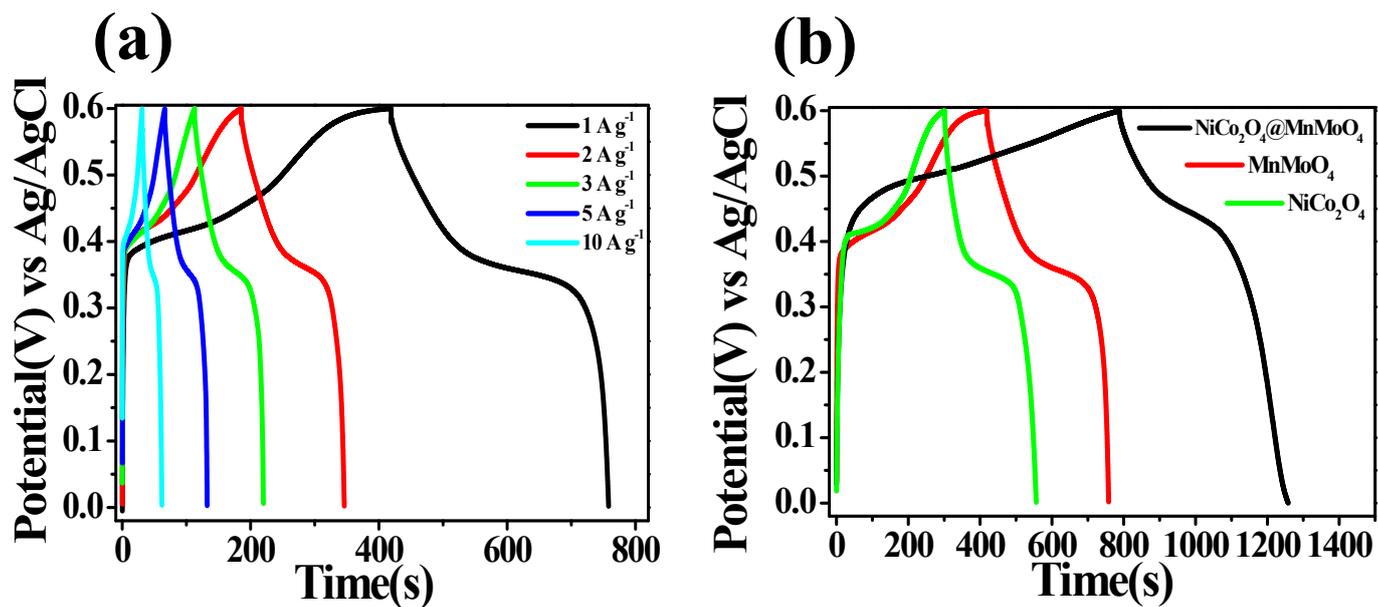


Figure S6 (a) The charge–discharge curves of the MnMoO₄ hybrid electrode at different current density. (b) Galvanostatic charge–discharge curves of NiCo₂O₄, MnMoO₄ and NiCo₂O₄@MnMoO₄ at 1 A g⁻¹.

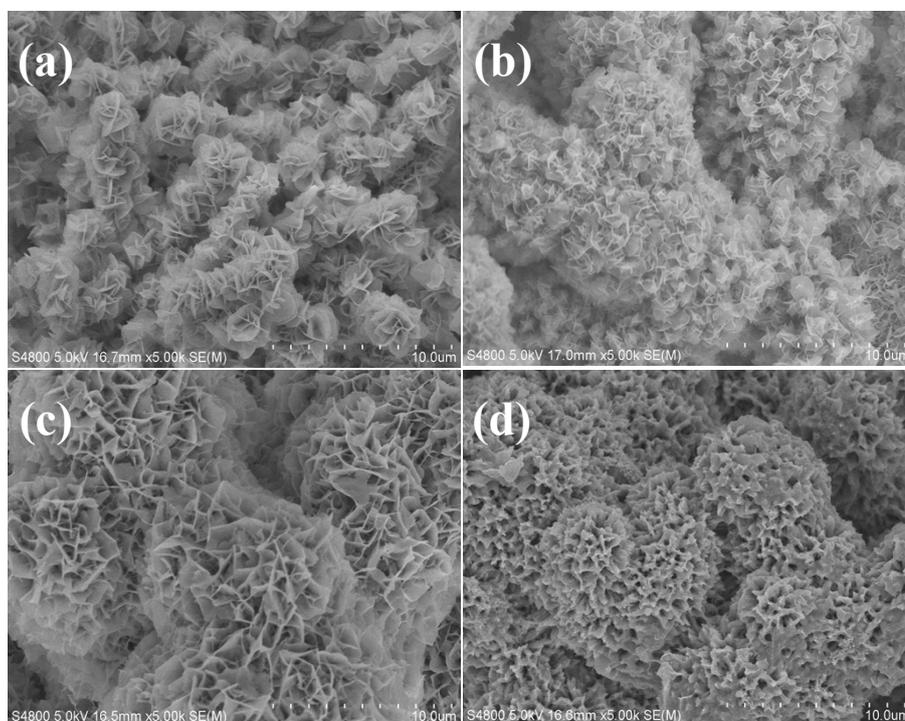


Figure S7 Morphologies of the NiCo₂O₄@MnMoO₄ nanostructure at various reaction stages by setting the reaction time to (a) 3 h, (b) 10 h, (c) 15 h, (d) 20 h.

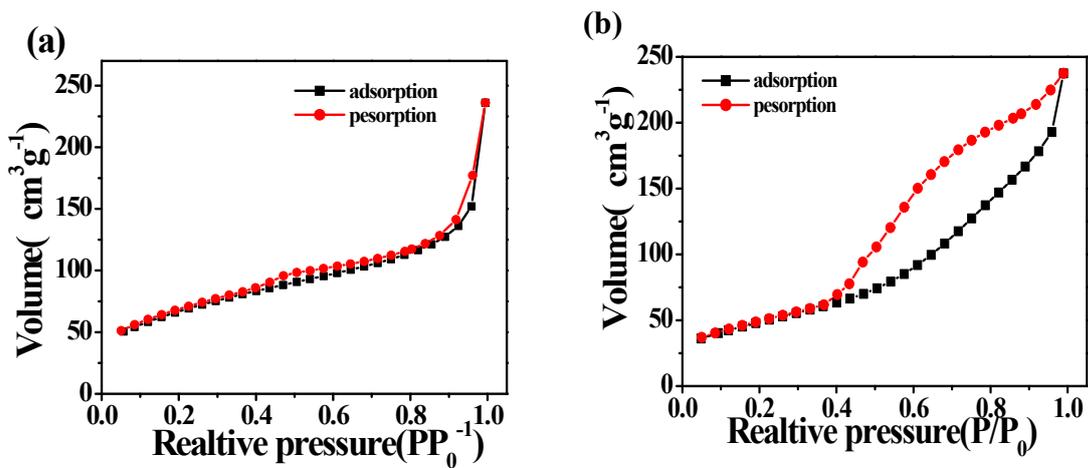


Figure S8 The N₂ adsorption-desorption isotherm of NiCo₂O₄ (a) and NiCo₂O₄@MnMoO₄ (b).

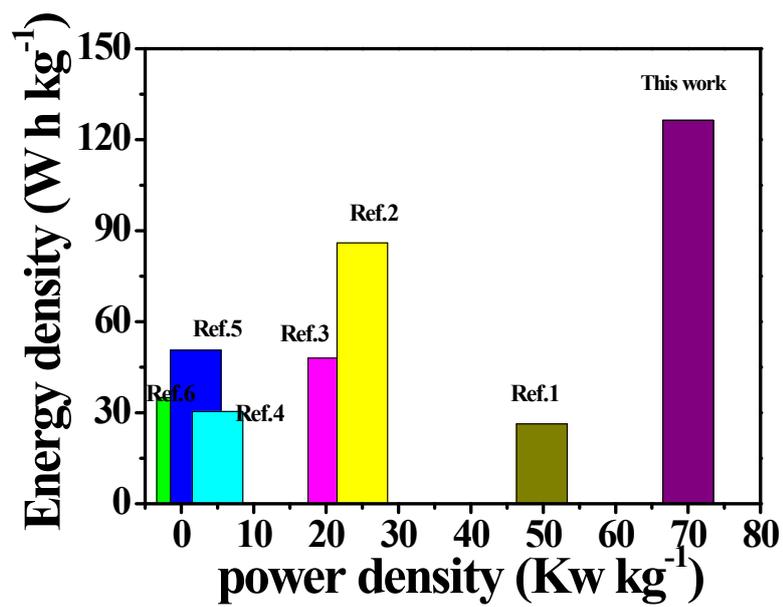


Figure S9 Comparison of Energy density and Power density with other relative literature.