

Supporting Information

Enhanced cycle performance of ultraflexible asymmetric supercapacitors based on hierarchical $\text{MnO}_2@\text{NiMoO}_4$ core-shell nanostructure and porous carbon

XiuhuaWang^{a*}, HouyongXia^a, JieGao^a, Bo Shi^a, Yao Fang^a, MingwangShao^{b*}

^aAnhui Key Laboratory of Molecule-Based Materials, The Key Laboratory of Functional Molecular Solids, Ministry of Education, College of Chemistry and Materials Science, Anhui Normal University, Wuhu 241000, China

^bInstitute of Functional Nano & Soft Materials (FUNSOM), Jiangsu Key Laboratory for Carbon-based Functional Materials and Devices, Soochow University, Suzhou 215123, P. R. China

*Correspondence - mwshao@suda.edu.cn

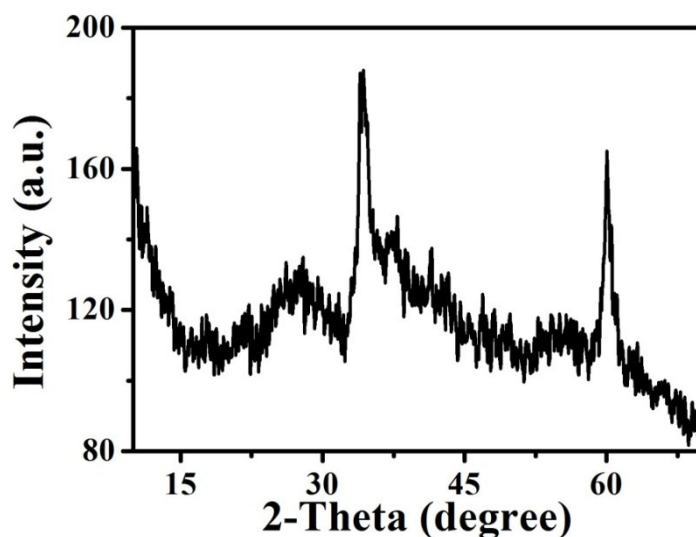


Figure S1.XRD pattern of NiMoO₄.

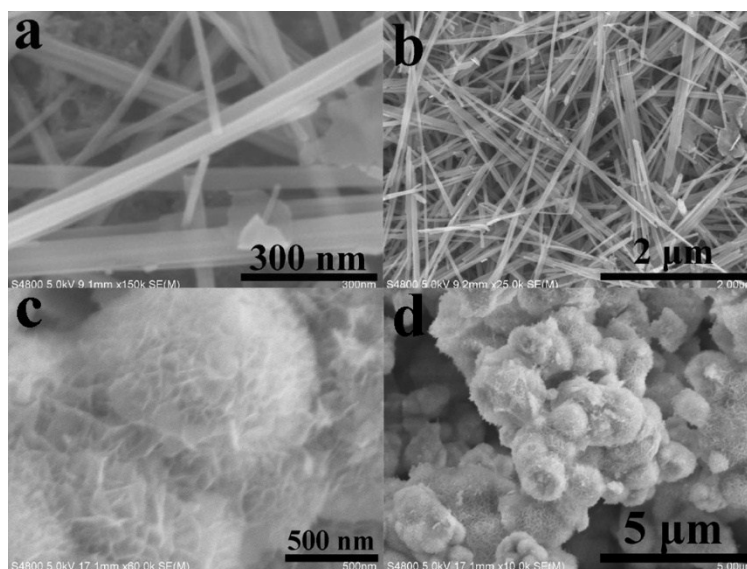


Figure S2.(a) and (b) FESEM images of the precursor of MnO₂ nanowires in the high and low magnification, (c) and (d) FESEM images of NiMoO₄ nanoflakes in the high and low magnification.

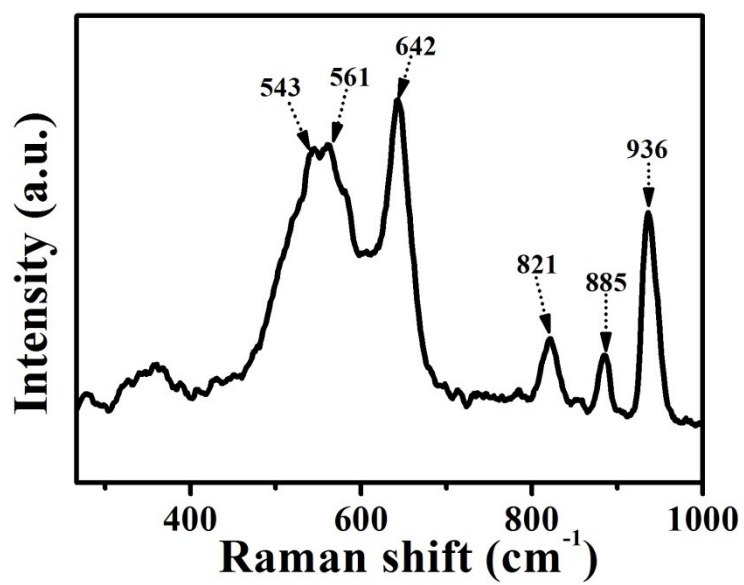


Figure S3. Raman spectrum of $\text{MnO}_2@\text{NiMoO}_4$.

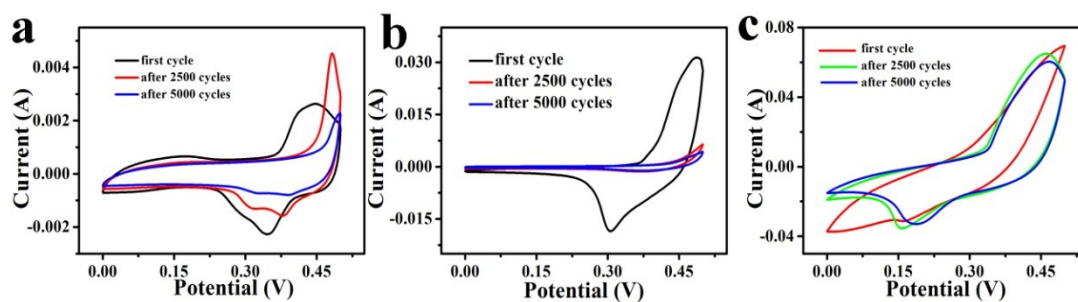


Figure S4. The CV curves of the (a) MnO_2 , (b) NiMoO_4 and (c) $\text{MnO}_2@\text{NiMoO}_4$ supercapacitor at 1, 2500, and 5000 cycles.

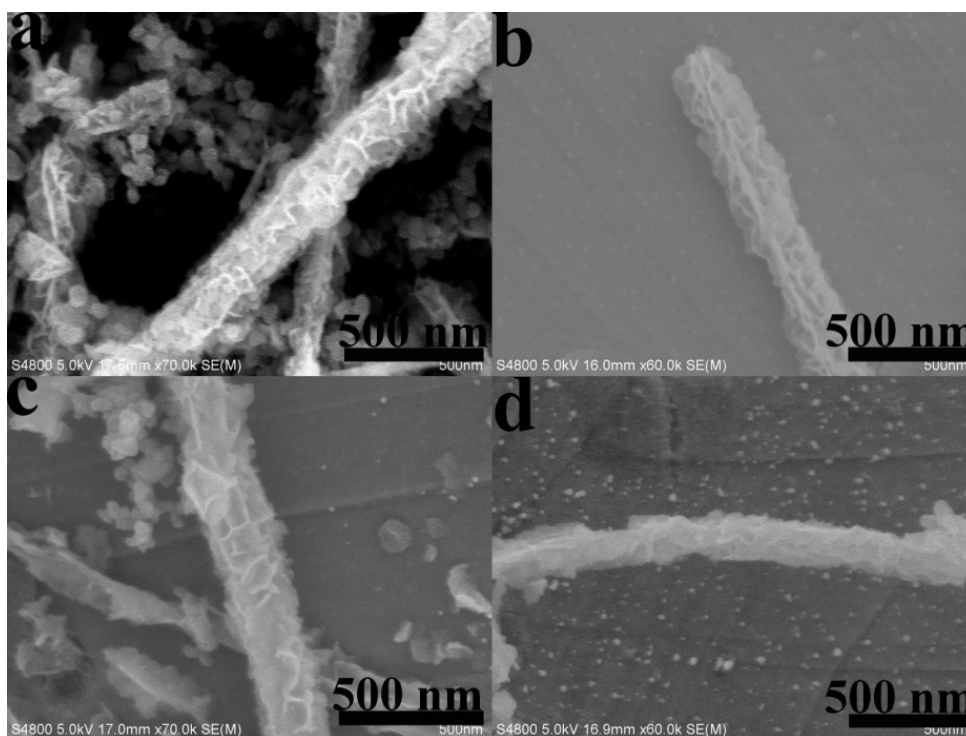


Figure S5. FESEM images of $\text{MnO}_2@\text{NiMoO}_4$ electrode materials based on Ni foam substrate (a) without cycles test; (b), (c) and (d) after 2000, 3000 and 5000 cycles test, respectively.

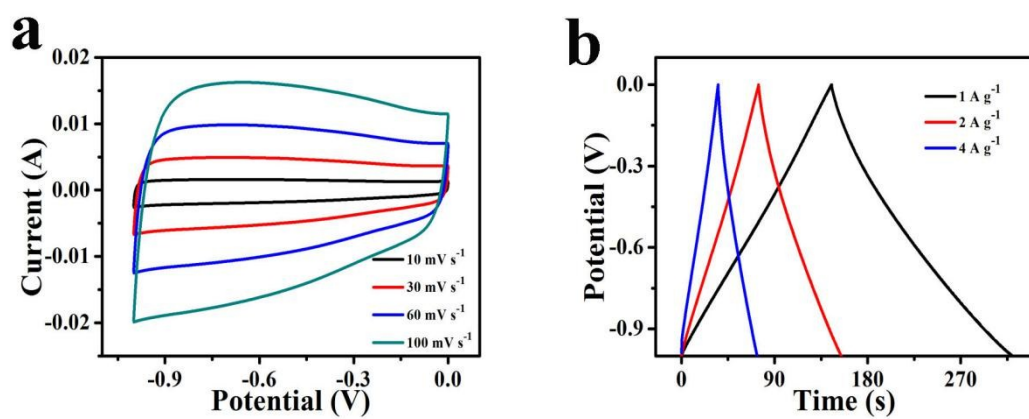


Figure S6. (a) CV curves of porous carbon; and (b) Charge-discharge curves of porous carbon.