Electronic Supplementary Material (ESI) for Energy and Environmental Science

Supporting Information

Facile Synthesis of Large-area Manganese Oxide Nanorod Arrays as High-Performance Electrochemical Supercapacitor

Xihong Lu,[a] Dezhou Zheng,[a] Teng Zhai,[a] Zhaoqing Liu,[a, b] Yunyun Huang,[a] Shilei Xie,[a] Yexiang Tong*[a]

[a]*MOE Laboratory of Bioinorganic and Synthetic Chemistry, School of Chemistry and Chemical Engineering, Institute of Optoelectronic and Functional Composite Materials, Sun Yat-sen University, Guangzhou 510275, P. R. China*

[b]*School of Chemistry and Chemical Engineering, Guangzhou University, Guangzhou 510006, China*

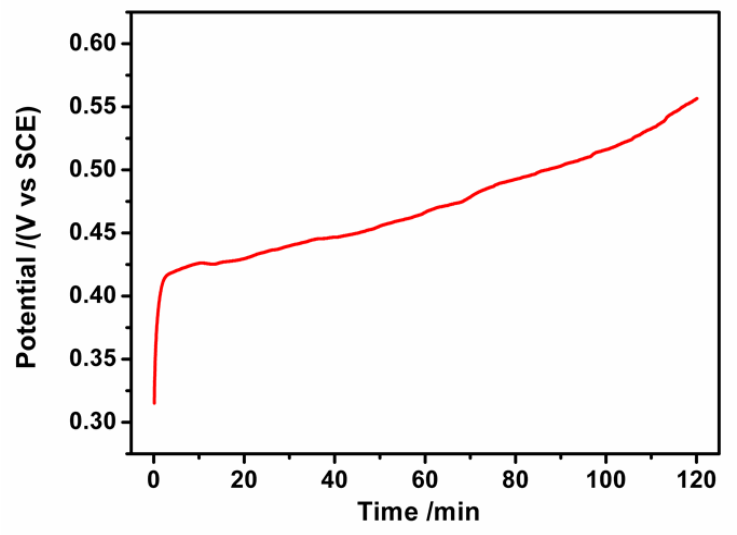

Fig. S1 Potential-time curve of MONRAs grown on FTO substrates prepared in solution of 0.01 M $MnAc_2$ + 0.02 M NH_4Ac + 10% DMSO with a current density of 0.2 mA cm^{-2} for 120 min at 70 ℃.

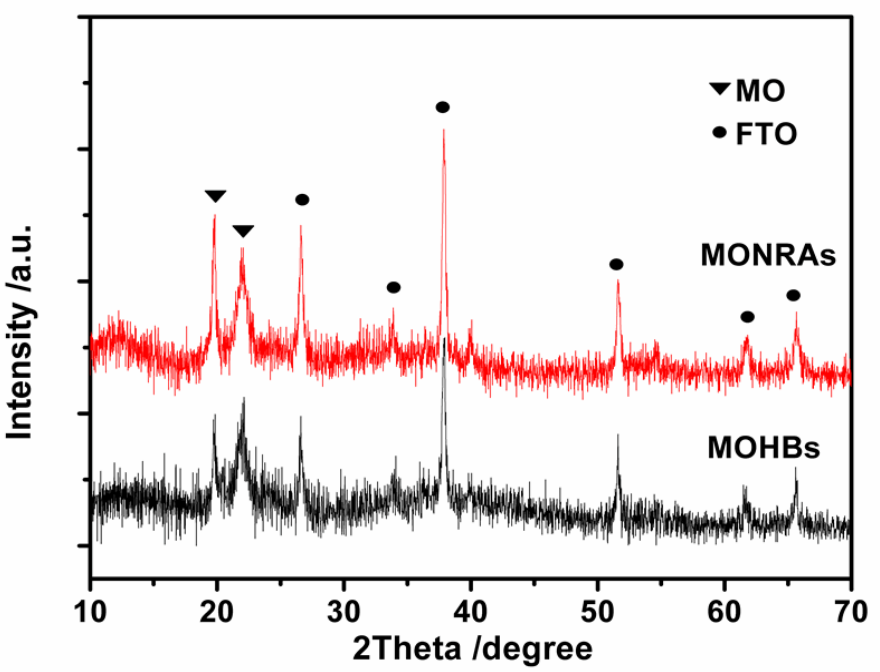

Fig. S2 XRD patterns of MONRAs and MOHBs.

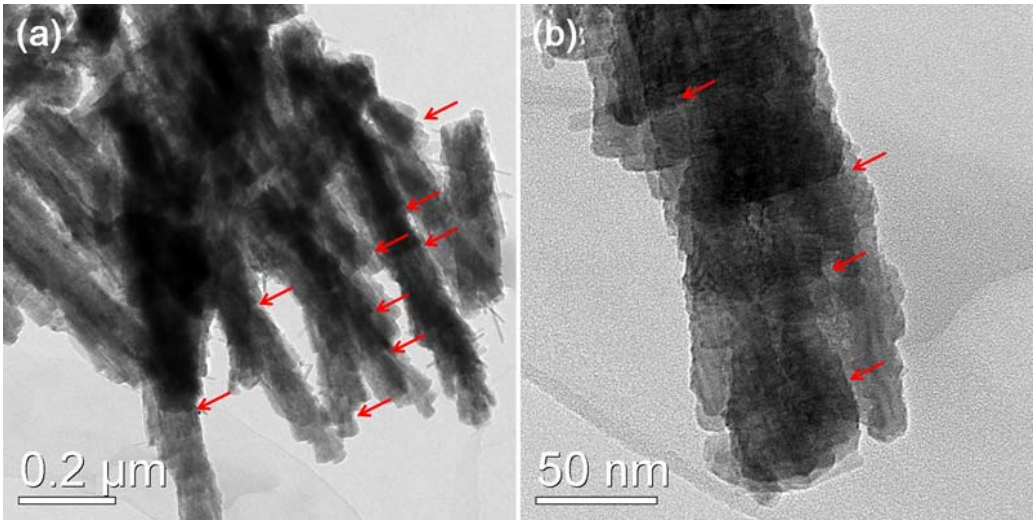

Fig. S3 TEM images of the MONRs.

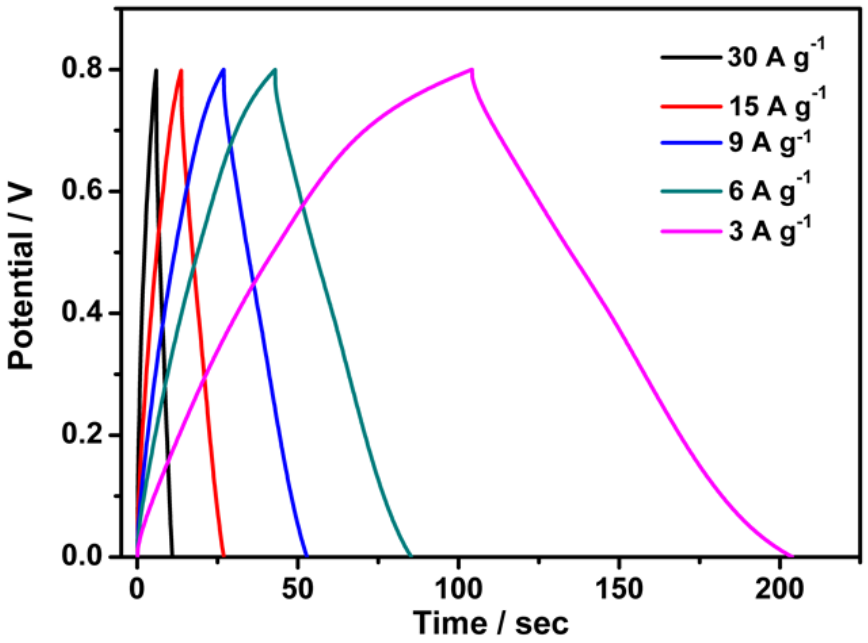

Fig. S4 Galvanostatic current charge/discharge curves of the as-prepared MOHBs at different current density.

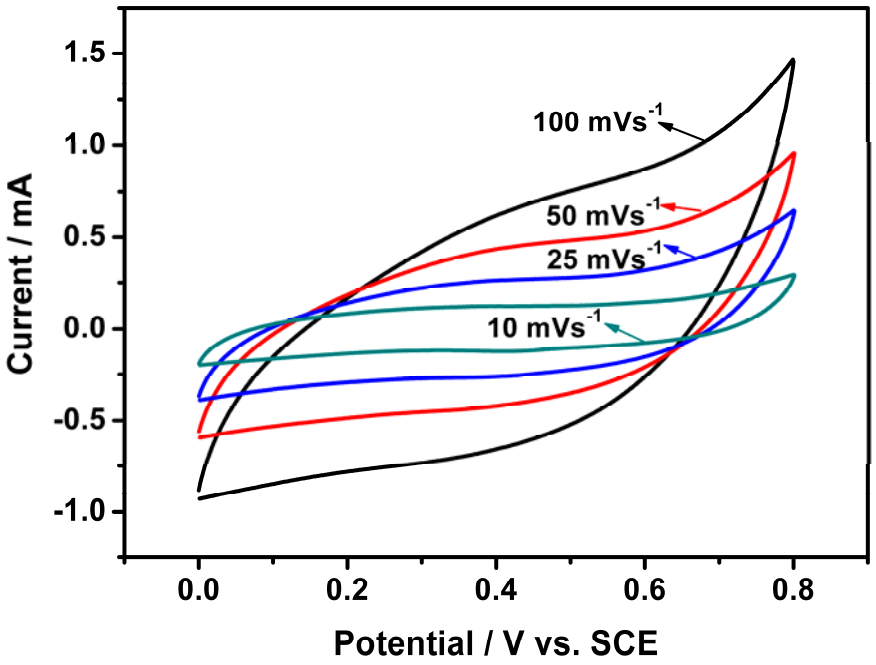

Fig. S5 Cyclic voltammetry curves of the MONRs grown on Ti substrates at different scan rates in 0.5 M Na_2SO_4 aqueous solution.