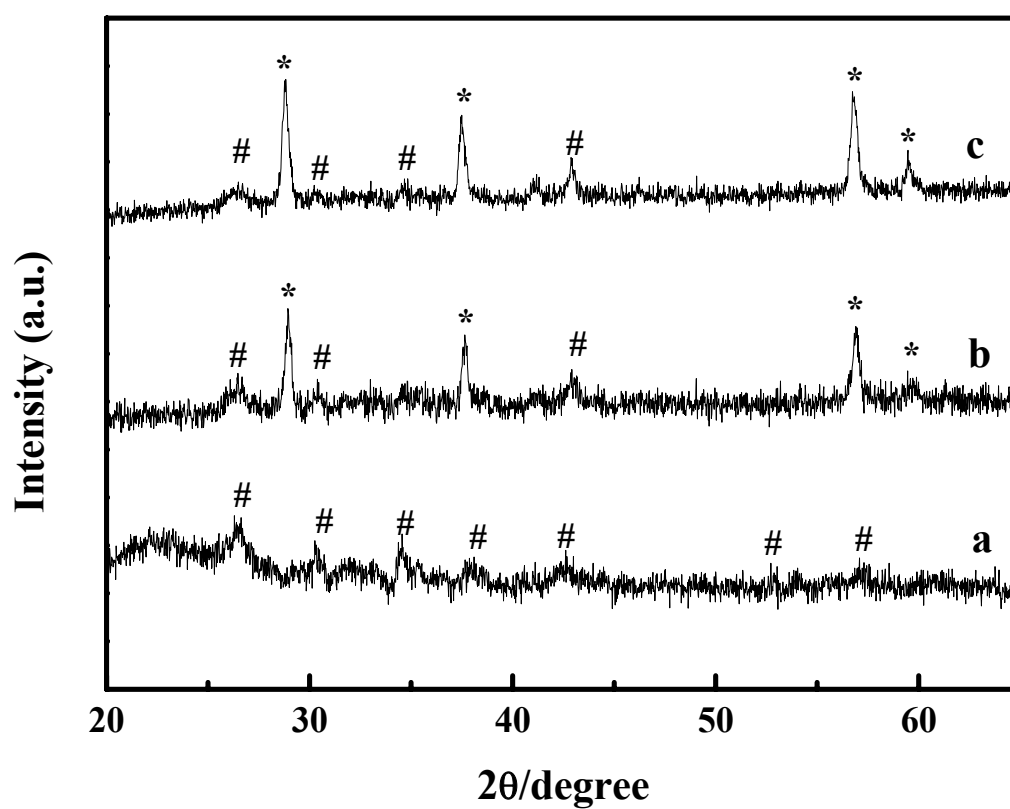


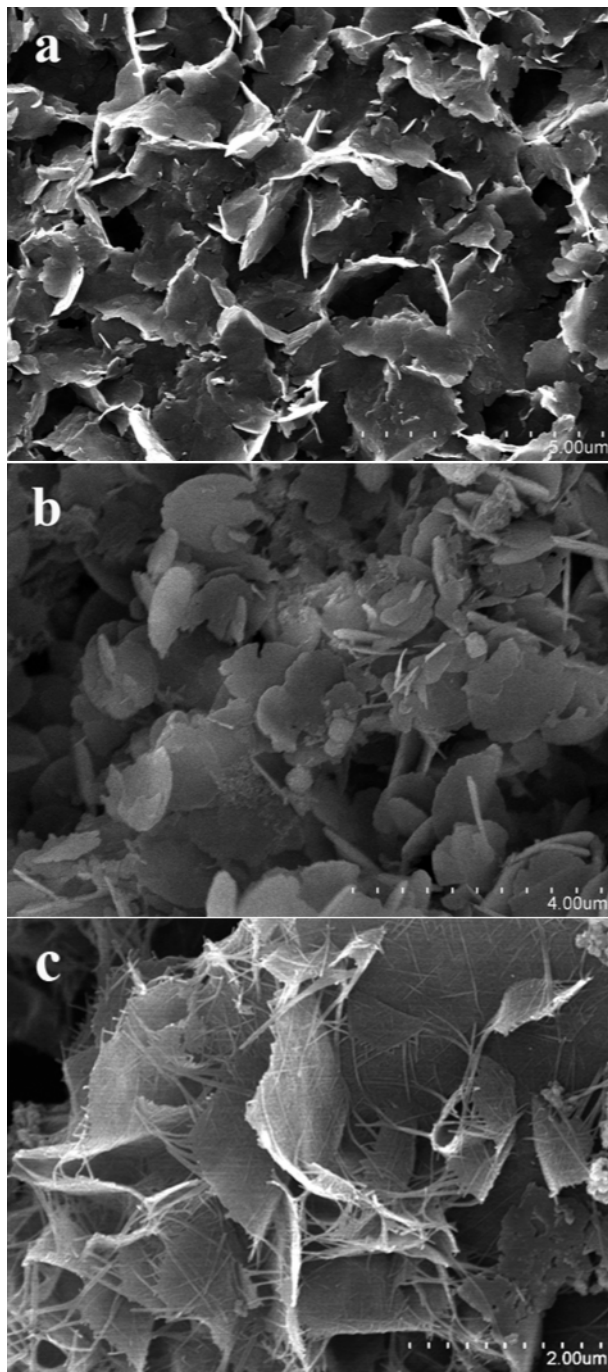
Supplementary Information (SI)

Two-Dimensional β -MnO₂ Nanowire Network with Enhanced Electrochemical Capacitance

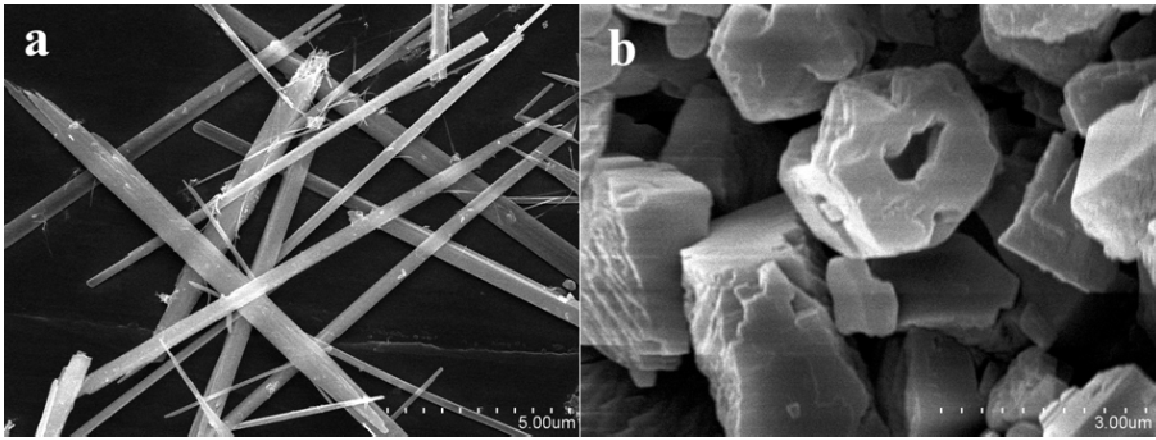
Chengzhen Wei, Huan Pang, Bo Zhang, Qingyi Lu, Shuang Liang, Feng Gao



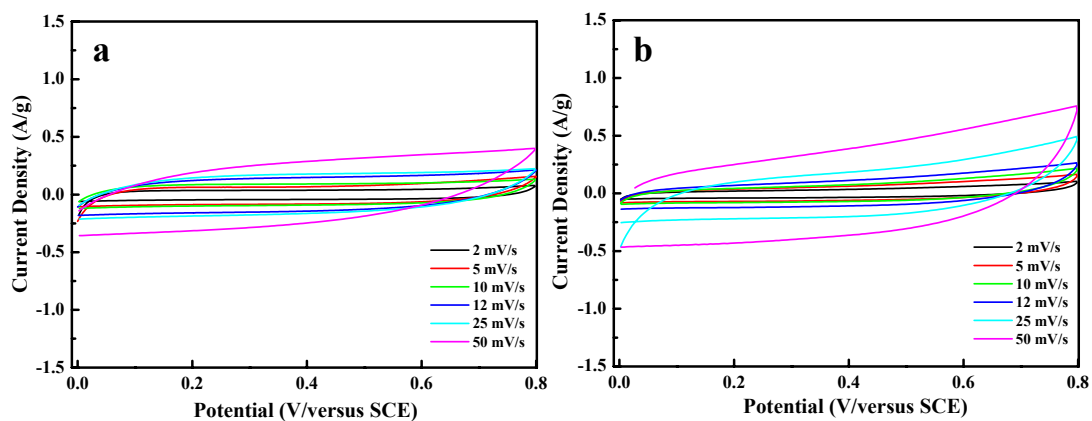
Supplementary Figure S1 XRD patterns of the products prepared under hydrothermal conditions at 220 °C for different times: (a) 0 h; (b) 1 h and (c) 4 h (“*” is for $\beta\text{-MnO}_2$ and “#” is for $\text{Mn}_3(\text{PO}_4)_2$).



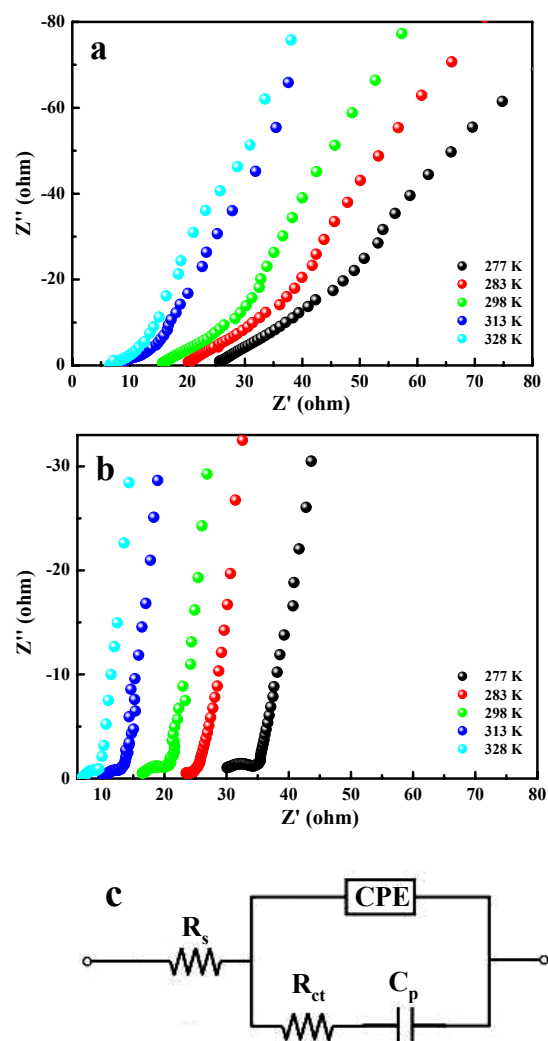
Supplementary Figure S2 SEM images of the products prepared under hydrothermal conditions at 220 °C for different times: (a) 0 h; (b) 1 h and (c) 4 h.



Supplementary Figure S3 SEM images of β -MnO₂ prepared according to references 27 and 28.



Supplementary Figure S4 CV curves of (a) M-2 and (b) M-3 electrodes at scan rates of 2, 5, 10, 12, 25 and 50 mV/s with potential windows ranging from 0 to 0.8 V versus Hg/HgCl₂ in 1 M Na₂SO₄ aqueous solution.



Supplementary Figure S5 Electrochemical impedance spectra of (a) M-2 and (b) M-3 electrodes at different temperatures; (c) the equivalent circuit diagram from EIS analysis.