

Supporting Information

Hierarchical core/shell structure of MnO₂@polyaniline composites grown on carbon fiber paper for pseudocapacitors

MinHo Yang,^a Seok Bok Hong^b and Bong Gill Choi^{b,*}

^aDepartment of Nano Bio Research, National NanoFab Center (NNFC), Daejeon 305-806, Republic of Korea

^bDepartment of Chemical Engineering, Kangwon National University, Samcheok 247-711, Republic of Korea

*Email: bgchoi@kangwon.ac.kr

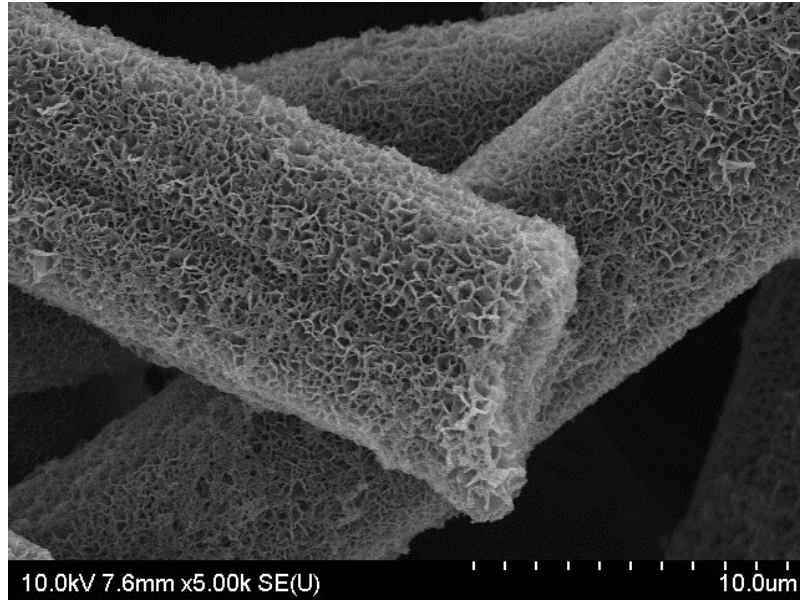


Figure S1. SEM image of MnO₂/CFP.

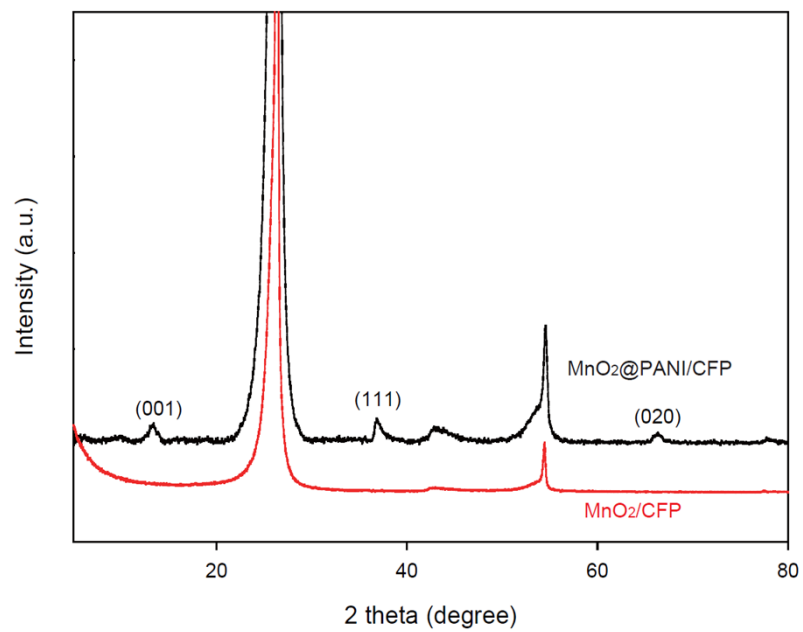


Figure S2. XRD data of MnO₂@PANI/CFP and MnO₂/CFP samples.

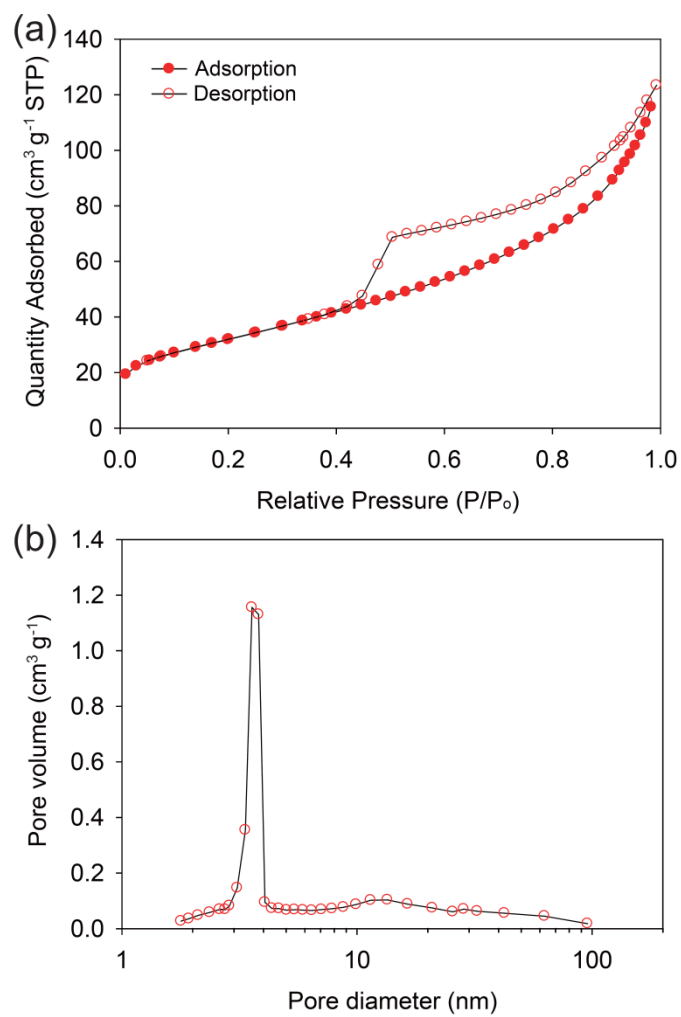


Figure S3. (a) N₂ adsorption-desorption isotherm and (b) BJH pore-size distribution plot of the MnO₂@PANI samples detached from CFP.

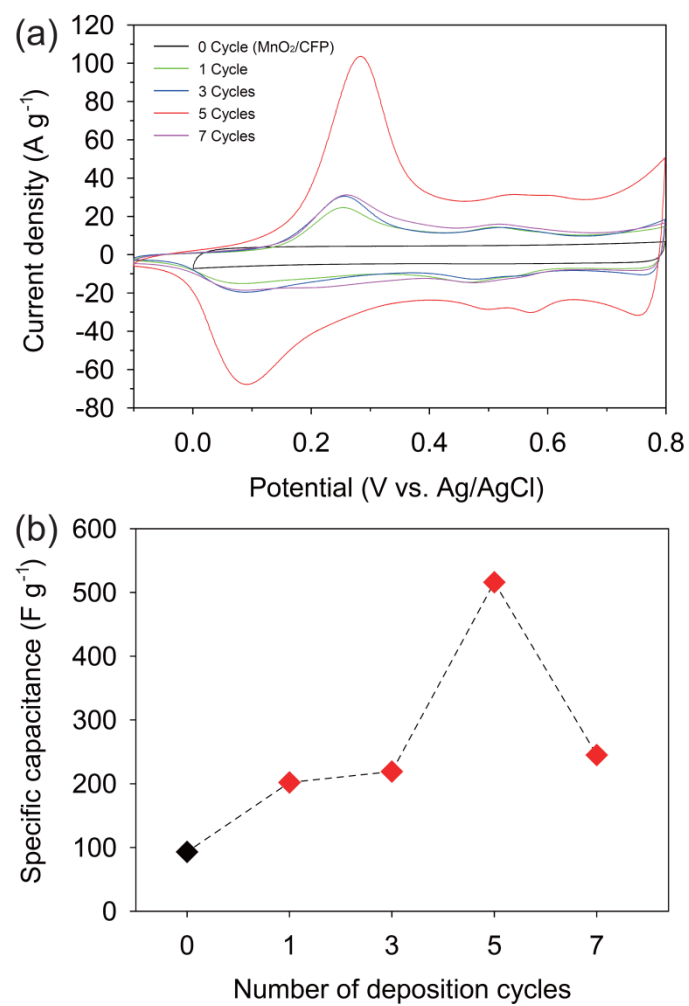


Figure S4. (a) CV curves for MnO₂@PANI/CFP with different deposition cycles of 0, 1, 3, 5, and 7. (b) Comparison on specific capacitance of MnO₂@PANI/CFP as a function of deposition cycles.

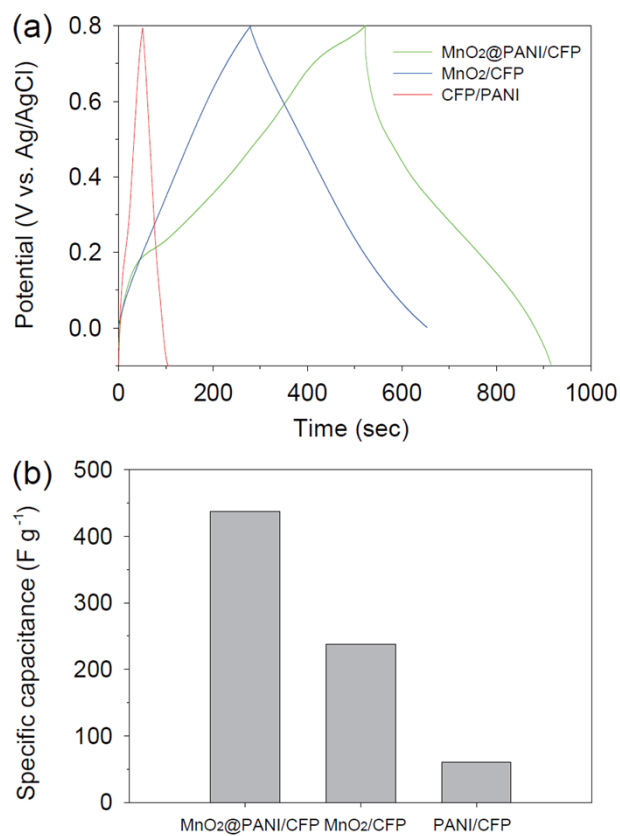


Figure S5. (a) Galvanostatic charge/discharge curves of MnO₂@PANI/CFP, MnO₂/CFP, and PANI/CFP electrodes. (b) Specific capacitance values obtained from galvanostatic discharge curves for MnO₂@PANI/CFP, MnO₂/CFP, and PANI/CFP electrodes.