Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Electronic Supplementary Information

Ultrathin MnO_2 nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes

Zhibin Lei, Jintao Zhang, X. S. Zhao*

*Corresponding Authors:

Prof./Dr. X. S. Zhao, Department of Chemical and Biomolecular Engineering, National University of Singapore, 4 Engineering Drive 4, 117576, Singapore.

Tel: +65-65164727; Fax: +65-67791936; E-mail: chezxs@nus.edu.sg

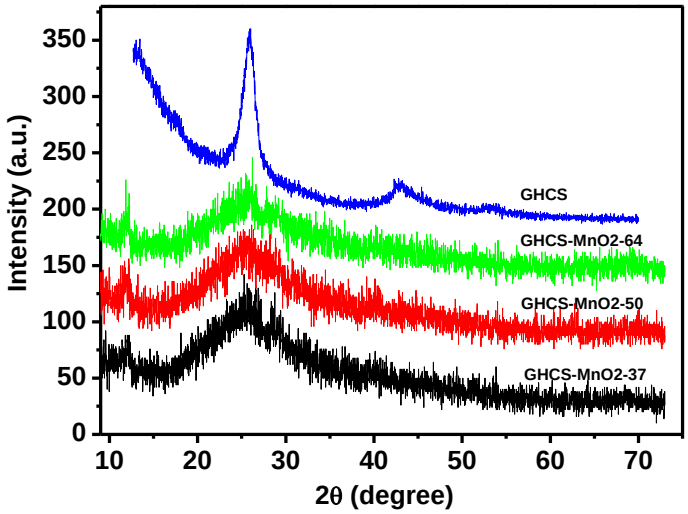

Figure S1 XRD pattern of GHCS and GHCS-MnO_2 composites. The peaks with a star are due to the diffraction of samples holder (an Al substrate).

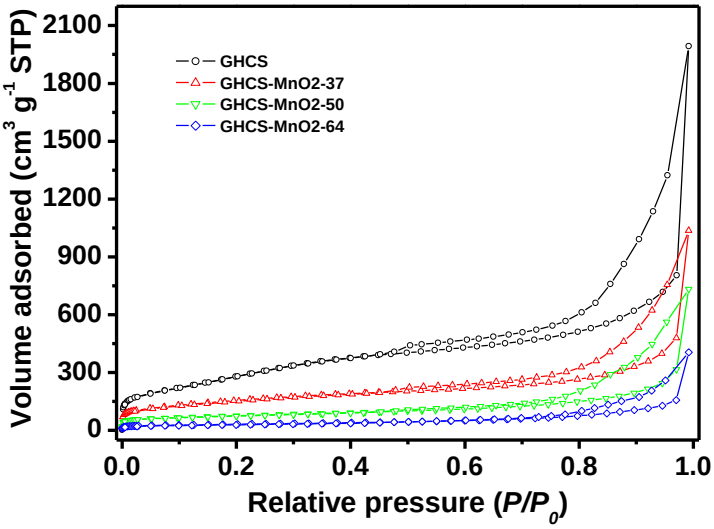

Figure S2. N_2 adsorption/desorption isotherm of GHCS and GHCS-MnO_2 composite.

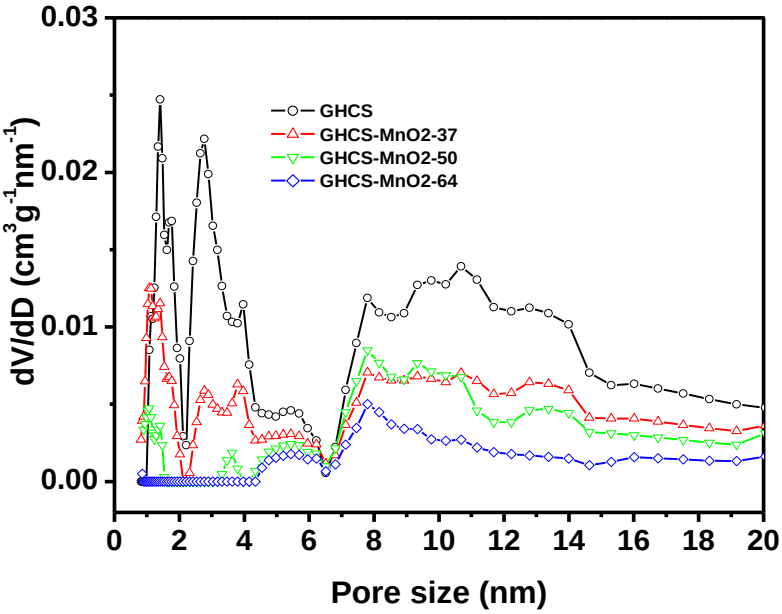

Figure S3. NLDFT pore size distribution of GHCS and GHCS-MnO_2 composite.

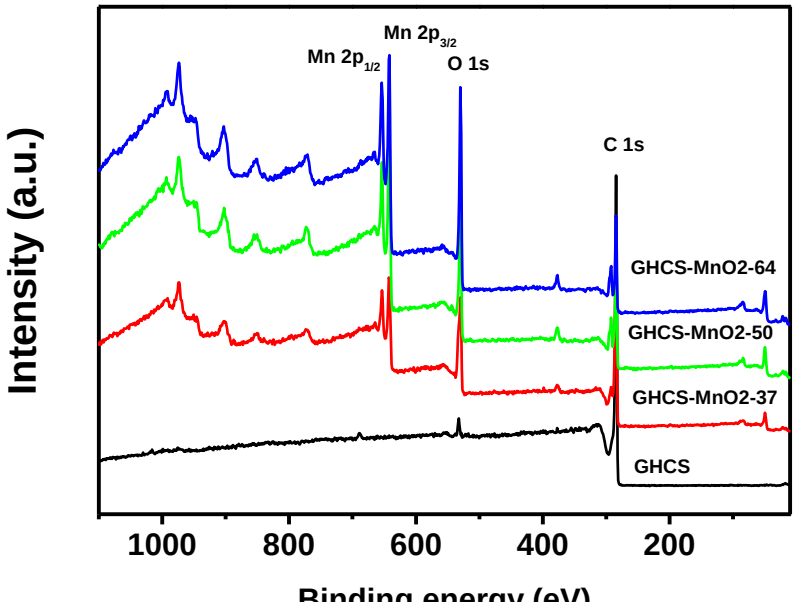

Figure S4 Survey XPS spectra of GHCS and GHCS-MnO_2 composite.

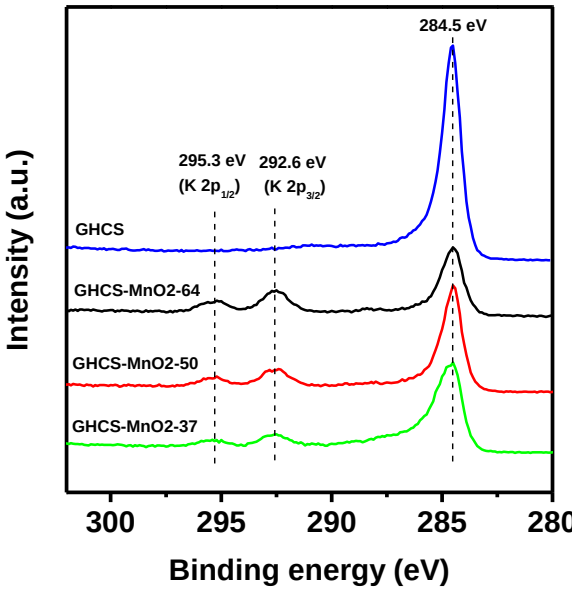

Figure S5 K 2p XPS spectra of GHCS and GHCS-MnO_2 composite.

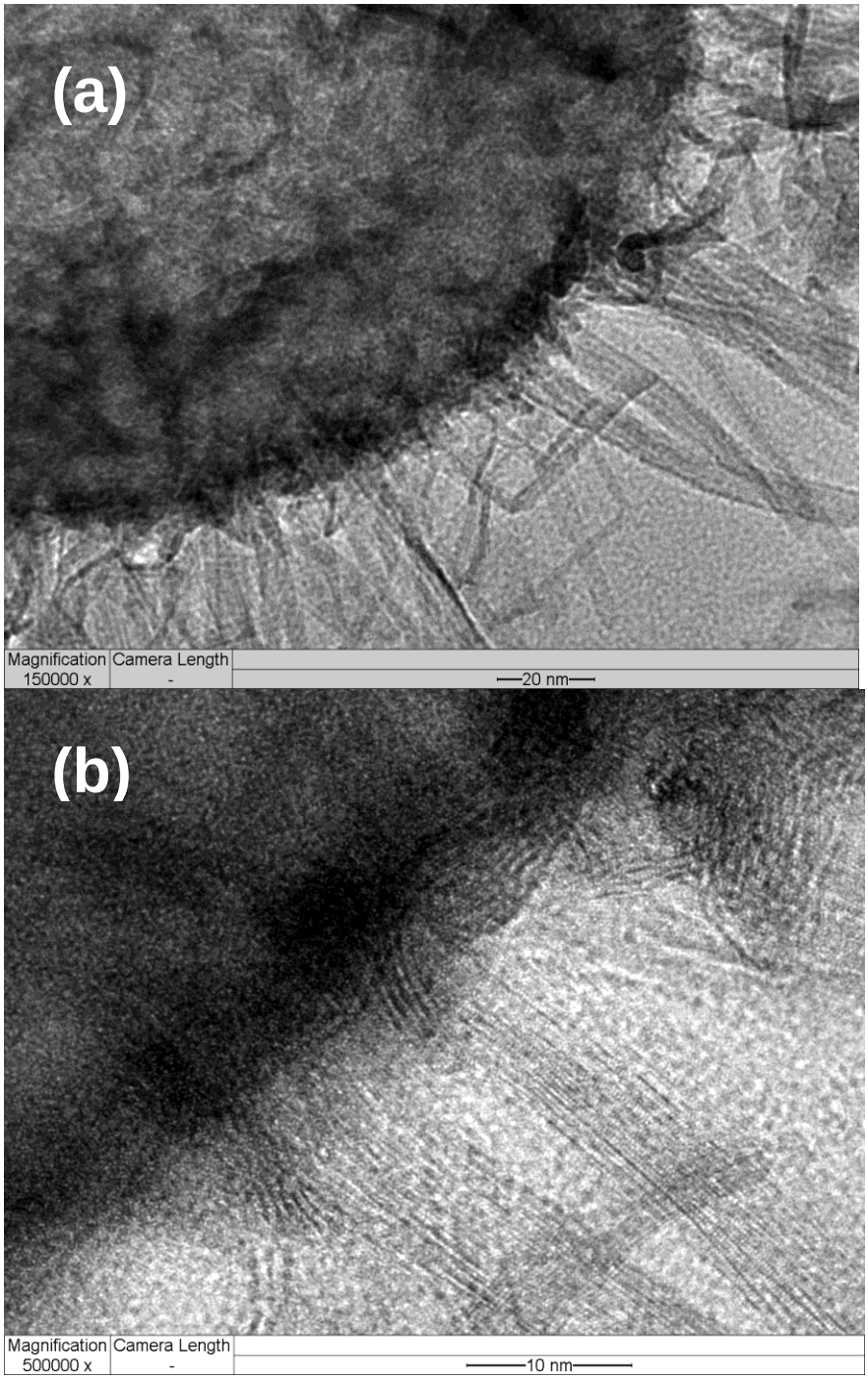

Figure S6. High-resolution TEM images of GHCS-MnO_2-64 with different magnifications.