

Electronic Supplementary Materials

Chemical Vapor Deposition-Assisted Fabrication of Graphene-wrapped MnO/Carbon Nanofibers Membrane as High-rate and Long-Life Anode for Lithium Ion Batteries

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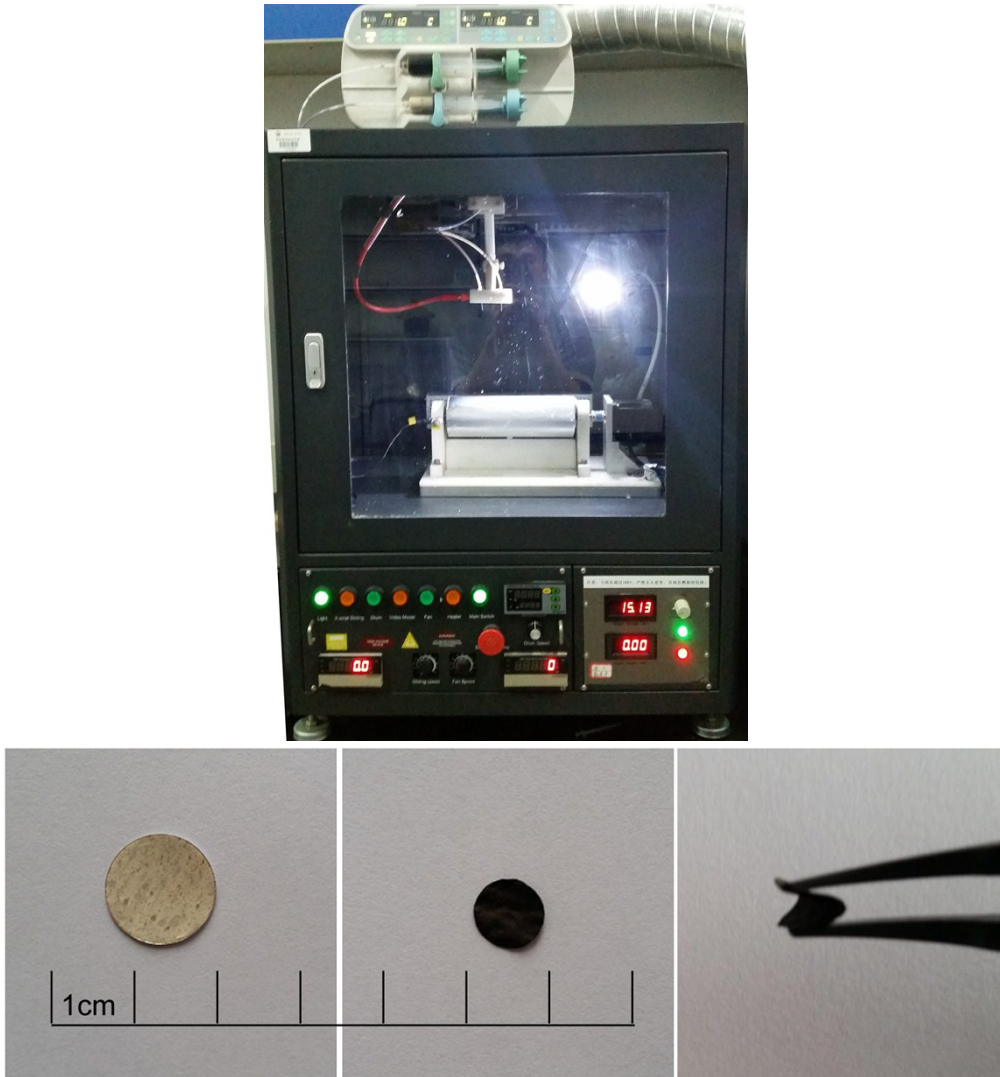


Figure S1: Picture of the pictures of electrospinning equipment and the MnO/CNFs@G composite membrane before (a) and after (b) CVD process, and the picture of the bent state (c)

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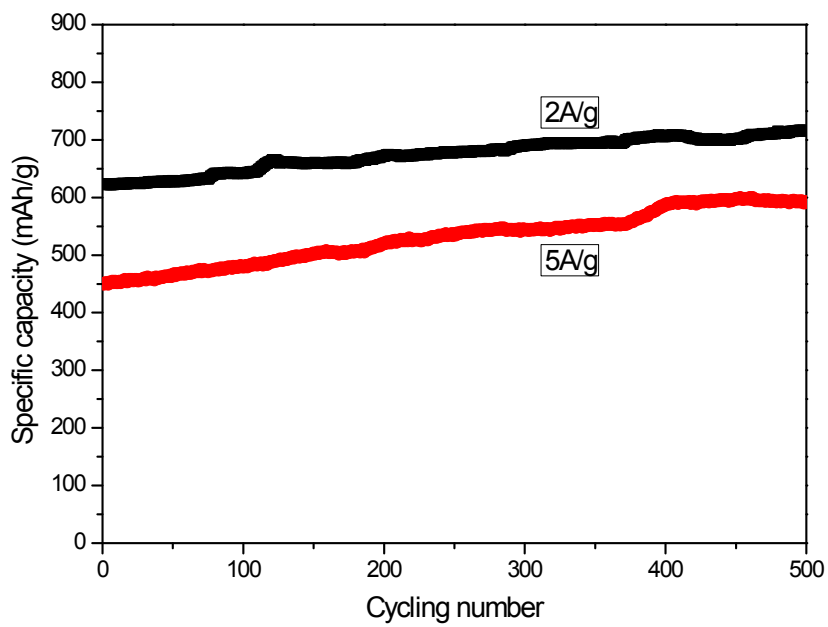


Figure S2: Cycling performance of MnO/CNFs@G composite membrane electrode at current densities of 2A/g and 5A/g.

Table S1. Comparison of electrochemical performance of various MnO/C composites.

Products	reversible capacity 0.1 A g ⁻¹ (mAh g ⁻¹)	Rating Performance (mAh g ⁻¹) / (A g ⁻¹)	Cycling Performance Residual capacity (mAh g ⁻¹)/ (A g ⁻¹)/Cycle number	Reference
Graphite/MnO @C/rGO	~1165.3	~504.4/4	471.3 /4/4000 th cycle	13
C/MnO@rGO nanofibers	~832.7	~285.1/2.5	815.3 /0.1/200 th cycle	14
MnO-C/N webs	-	~386/10	1268 /1/700 th cycle	15
C/MnO nanofibers	~918	~406.1/3	655 /0.5/280 th cycle	16
MnO-C/N nanotubes	~1171	~450.2/5	804.3/1/100 th cycle	26
MnO/C microspheres	~842	~588/2	937 /1/300 th cycle	28
Porous MnO/C microspheres	~755.6	~234.7/3	702.2 /0.1/50 th cycle	19
MnO/CNFs@G	~946	~452/5	426 /10/5000 th cycle	This work