

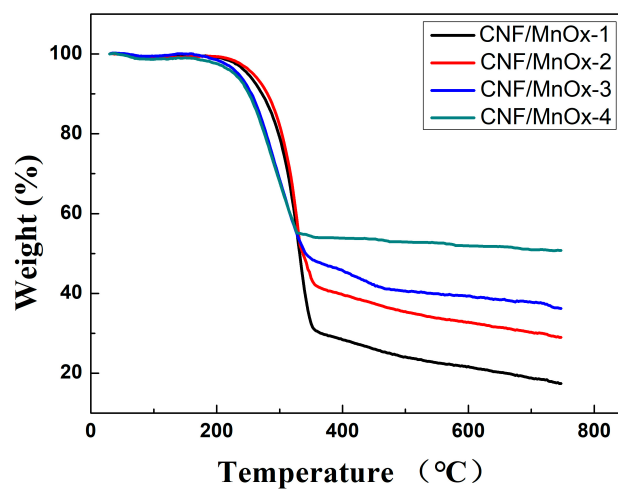
## **Supporting Information**

### **Composite Aerogels of Carbon Nanocellulose Fibers and Mixed-Valent Manganese Oxides as Renewable Supercapacitor Electrodes**

Xiaoyu Guo<sup>†</sup>, Qi Zhang<sup>†</sup>, Qing Li<sup>†,\*</sup>, Haipeng Yu<sup>†,\*</sup>, Yixing Liu<sup>†,\*</sup>

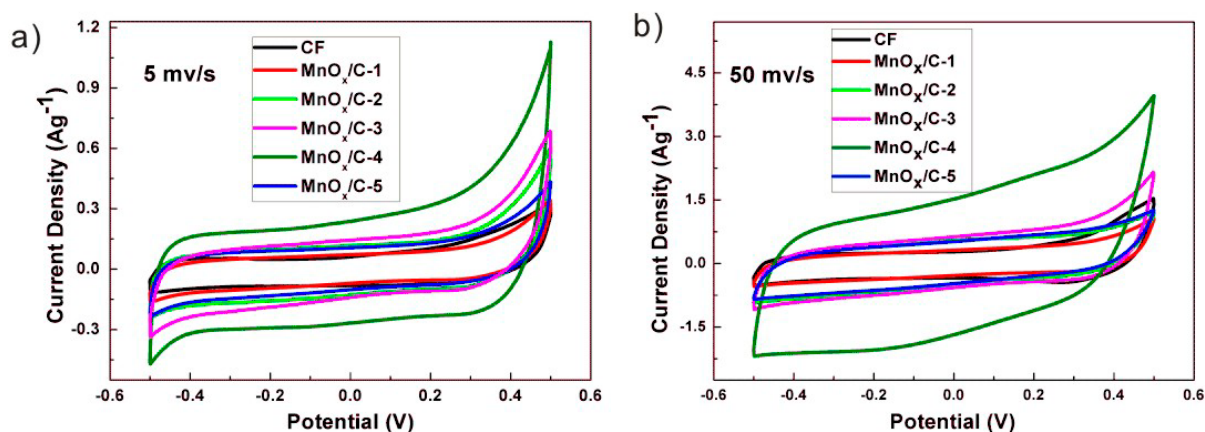
<sup>†</sup> Key laboratory of Bio-based Material Science and Technology, Ministry of Education, Northeast Forestry University, Harbin 150040, China.

\* E-mail: [liqing007007@126.com](mailto:liqing007007@126.com); [yx1200488@sina.com](mailto:yx1200488@sina.com); [yuhaipeng20000@nefu.edu.cn](mailto:yuhaipeng20000@nefu.edu.cn)



**Figure S1** TGA curves of carbonized nanocellulose fibers (CNF)/MnO<sub>x</sub> composite aerogels.

The following test data are the TG test curves of samples heated from room temperature to 800 °C (heating rate is 3 °C min<sup>-1</sup>).



**Figure S2** Cyclic voltammetry (CV) curves of the CNF/MnOx electrodes at scan rate of (a) 5  $\text{mV s}^{-1}$  and (b) 50  $\text{mV s}^{-1}$ . Typically, 0.1 g PVP,  $\text{Mn}(\text{OAc})_2$  (0.02, 0.06, 0.10, 0.14 g, and 0.20g) were added in a 20g nanocellulose suspension, the composite aerogels were denoted as CNF/MnO<sub>x</sub>-*m*, where *m* takes the value of 1, 2, 3, 4, or 5.