

Single-walled carbon nanohorns coated with Fe₂O₃ as a superior anode material for Lithium ion batteries

Yi Zhao, Jiaxin Li, Yunhai Ding, Lunhui Guan*

State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Yangqiao West Road 155#, Fuzhou, Fujian 350002, P.R. China.

E-mail: guanlh@fjirsm.ac.cn

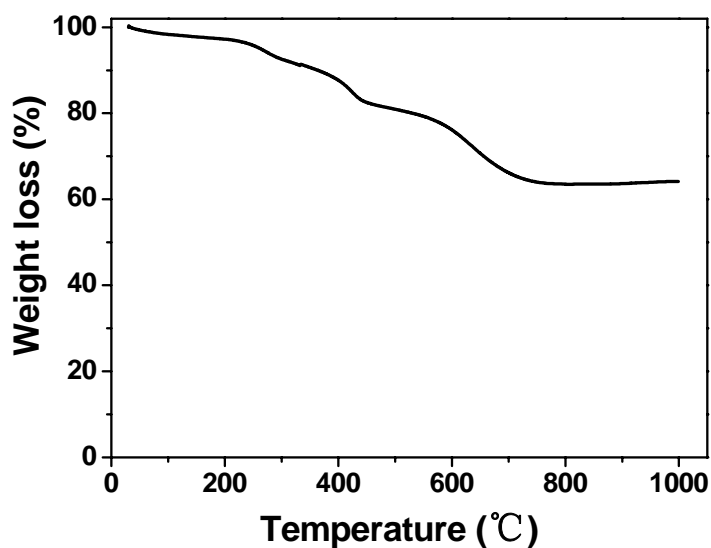


Fig. S1. Thermal gravimetric analysis (TGA) curves of Fe₂O₃/SWCNHs at a heating rate of 10 °C /min between 30 and 1000 °C.

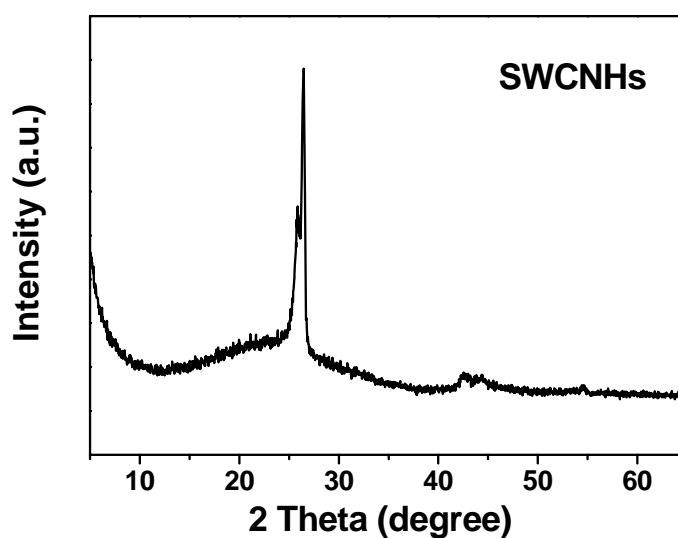


Fig. S2. XRD pattern of the SWCNHs produced from arc-discharge method.

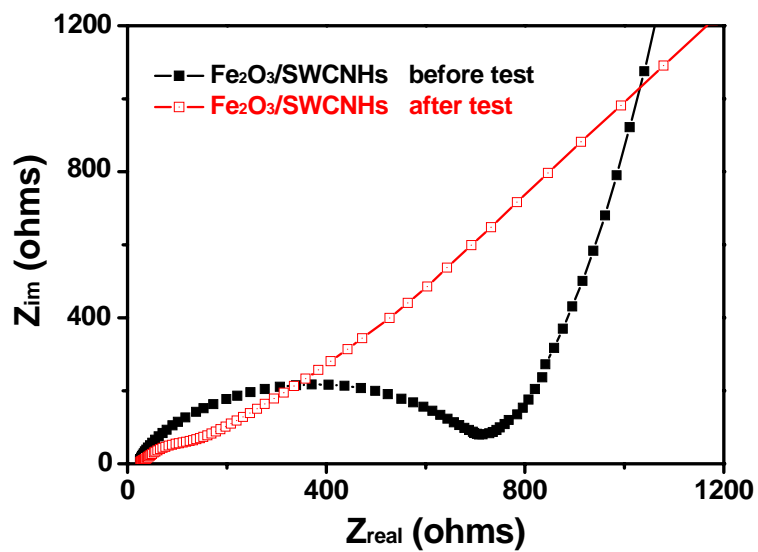


Fig. S3. Electrochemical impedance spectra for Fe₂O₃/SWCNHs composite electrodes before and after CVs test.