

## Supporting Information

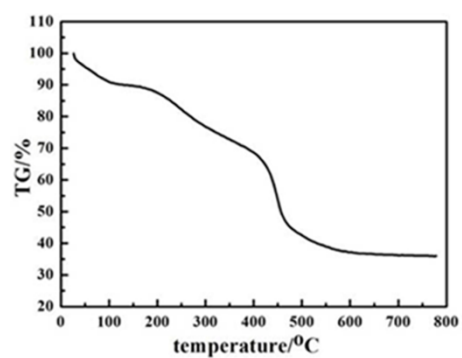
### **High-yield bamboo-like porous carbon nanotubes with high-rate capability as anodes for lithium-ion batteries**

Yakun Tang, Lang Liu\*, Xingchao Wang, Huijuan Zhou, Diansheng Jia\*

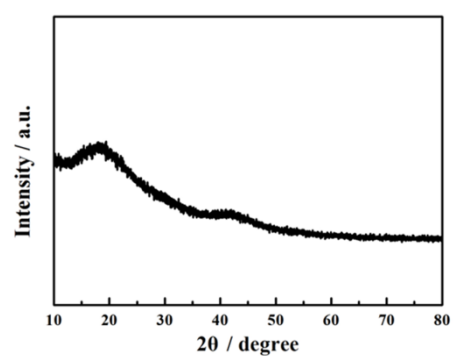
*Key Laboratory of Material and Technology for Clean Energy, Ministry of Education;*

*Institute of Applied Chemistry, Xinjiang University. Urumqi 830046, Xinjiang, China.*

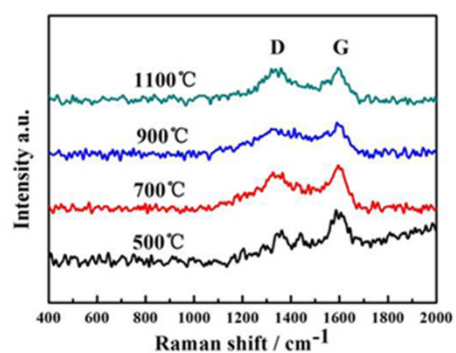
*E-mail: liulang@xju.edu.cn; jdz@xju.edu.cn.*



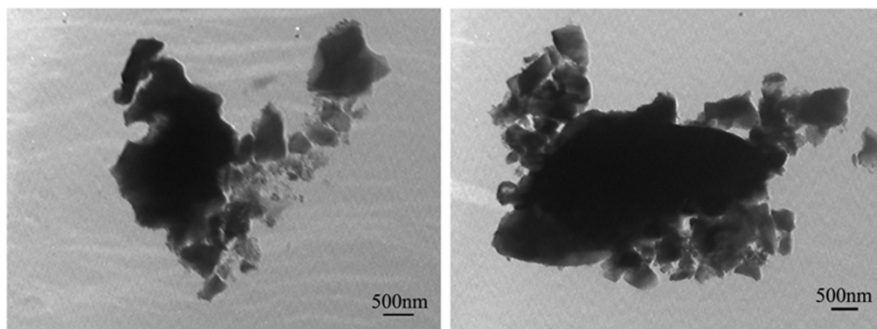
**Fig.SI1** TGA curve of SPNTs under N<sub>2</sub> atmosphere.



**Fig.SI2** XRD pattern of SPNTs.



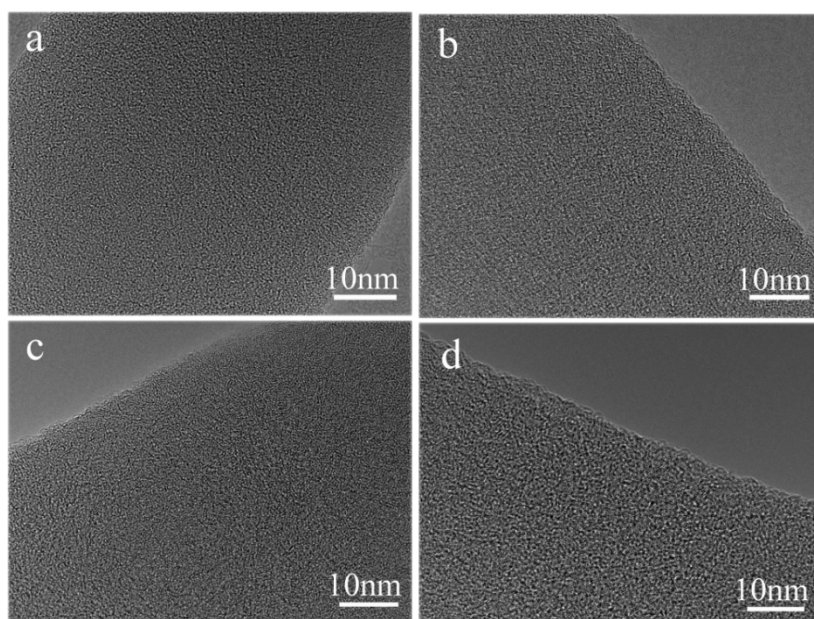
**Fig.SI3** Raman spectra of products by the pyrolysis of SPNTs at different temperatures.



**Fig.SI4** TEM images of products by the pyrolysis of PNTs at 700°C in N<sub>2</sub> atmosphere.

**Table.SI1** The micropore volume and BET surface areas for the CNTs obtained at different temperature.

Samples	BET surface areas (m <sup>2</sup> /g)	Micropore volume (cm <sup>3</sup> /g)
CNT-500	369.9	0.1234
CNT-700	418.7	0.1414
CNT-900	490.8	0.1742
CNT-1100	683.9	0.2160



**Fig.SI5** HRTEM images of the four samples (a for 500°C, b for 700°C, c for 900°C, d for 1100°C).