

Waste-Towel-derived Hard Carbon as High Performance Anode for Sodium Ion Battery

Daofa Ying^{a*}, Kuo Chen^a, Jiarui Liu^a, Ziqian Xiang^a, Jiazheng Lu^a,
Chuanping Wu^a, Baohui Chen^a, Yang Lyu^a, Yutao Liu^a, Zhen Fang^a

^a State Key Laboratory of Disaster Prevention and Reduction for Power Grid
Transmission and Distribution Equipment, State Grid Hunan Electric Company
Limited Disaster Prevention and Reduction Center, Changsha, Hunan, P.R. China.

* To whom correspondence should be addressed.

Tel.: +86-0731-86332056.

E-mail: 17364041396@163.com (D. Ying).

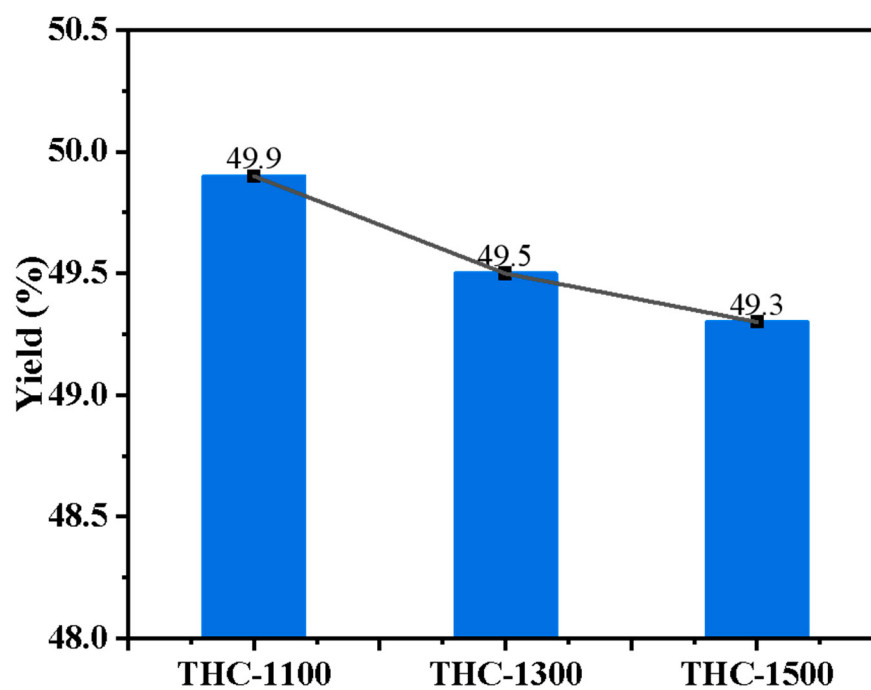


Figure S1. Yield of different THCs.

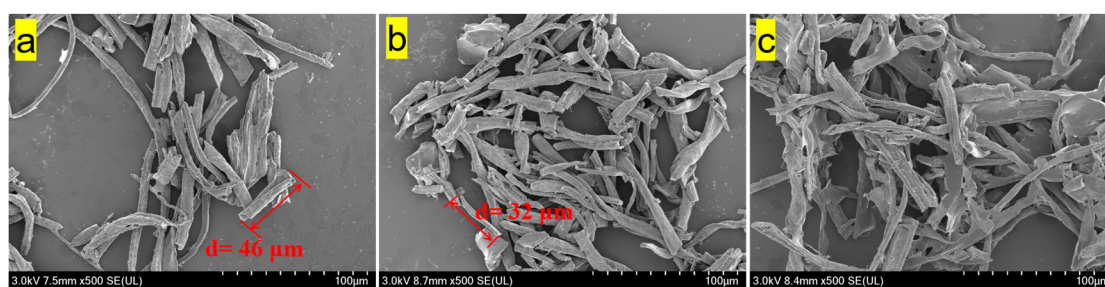


Figure S2. 500× magnification SEM images of (a) THC-1100, (b) THC-1300 and (c) THC-1500.

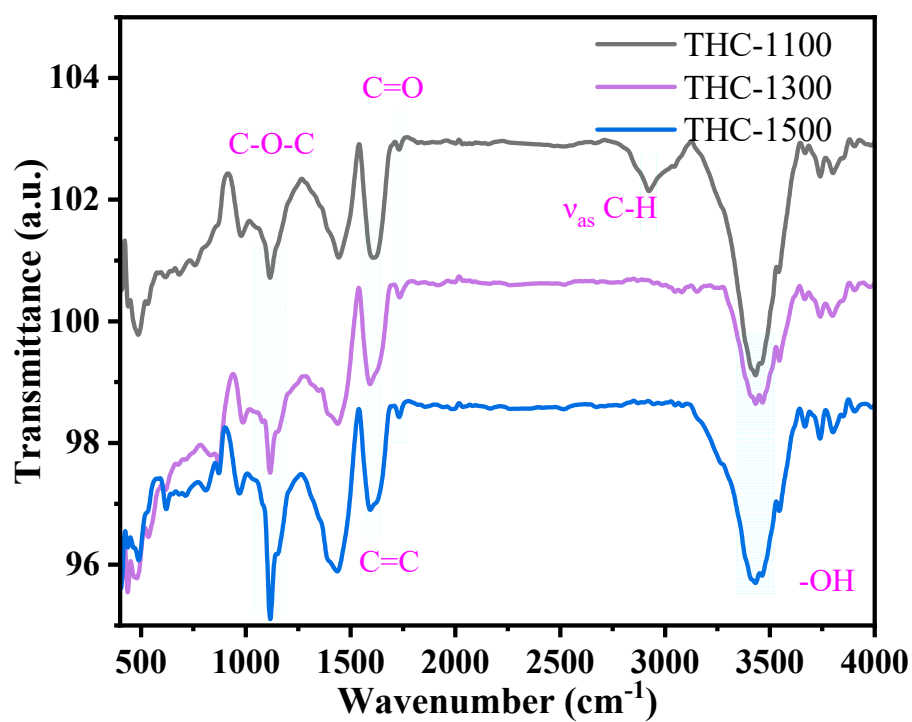


Figure S3. FT-IR spectra of THC samples carbonized at different temperatures (1100°C, 1300°C, and 1500°C).