Supporting Information

Tannin-derived hard carbon for stable lithium-ion anode

He Ming-Jun[1,2,#], Xu Lai-Qiang[1,#], Feng Bing[1], Hu Jin-Bo[1,3,*], Chang Shan-Shan[1], Liu Gong-Gang[1,3,*], Liu Yuan[1], and Xu Bing-Hui[4]

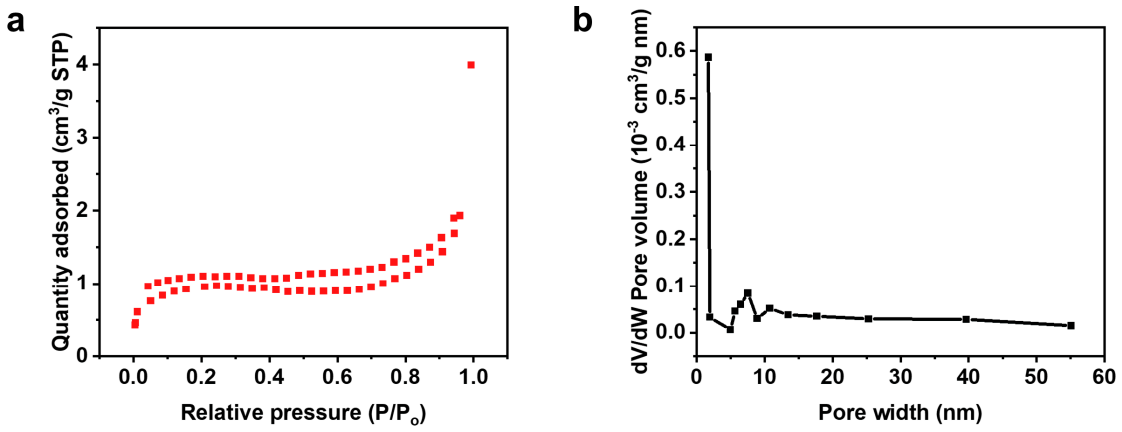


Figure S1. (a) Nitrogen adsorption and desorption curve of HC. **(b)** Pore size distribution curve of HC.

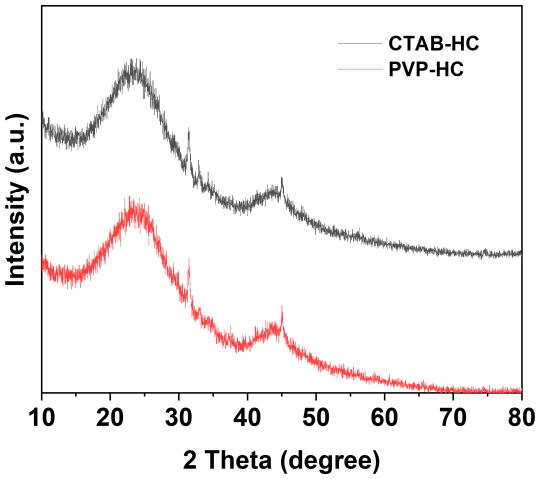


Figure S2. XRD patterns of CTAB-HC and PVP-HC.

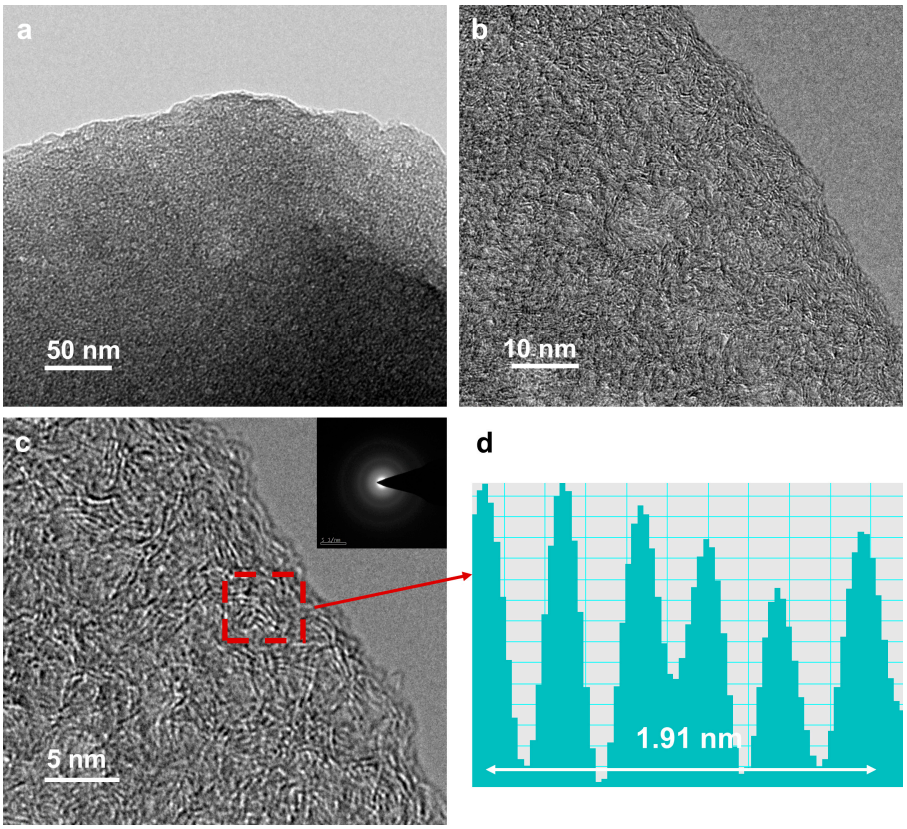


Figure S3. (a-b) TEM images of the hard carbon. **(c)** HRTEM image of the hard carbon (inset image: SAED image of HC). **(d)** Layer spacing of the hard carbon obtained by inverse fourier transform.

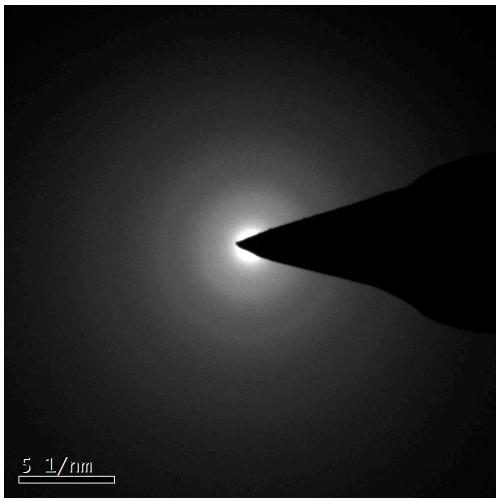


Figure S4. SAED image of PVP-HC.

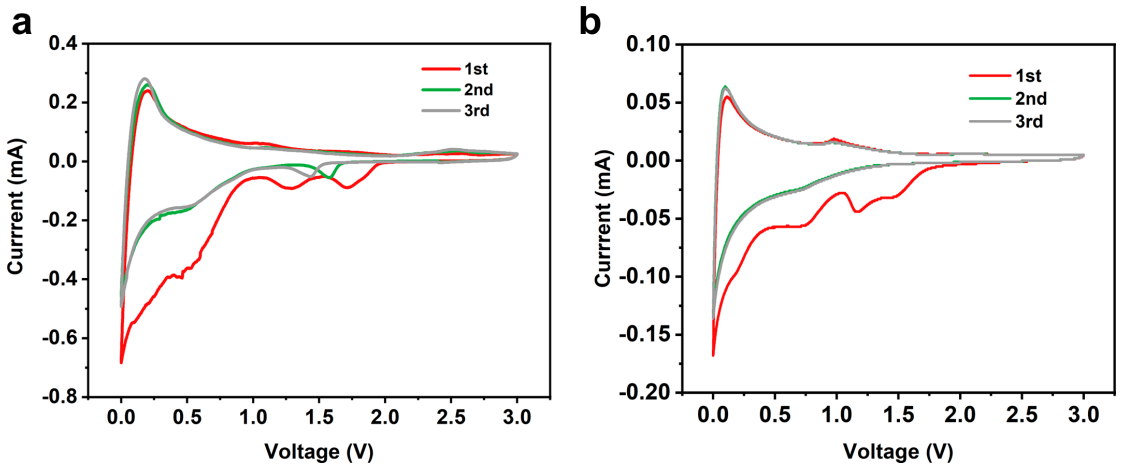


Figure S5. Cyclic voltammetric curves **(a)** HC, **(b)** CTAB-HC.

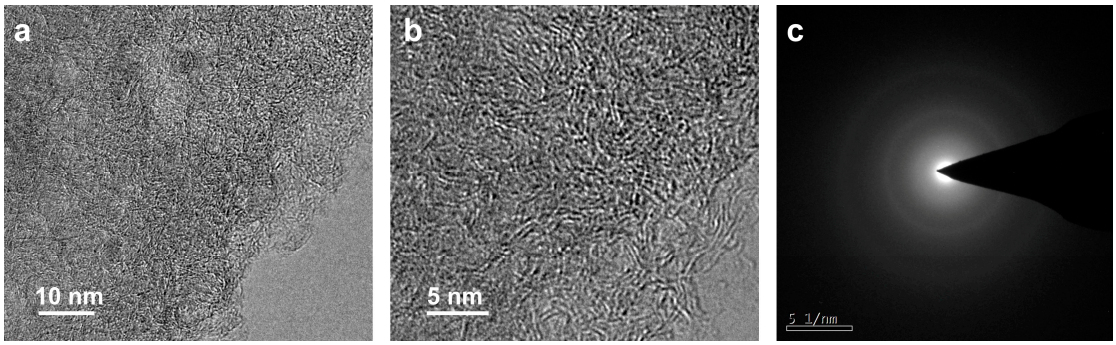


Figure S6. (a) TEM image, **(b)** HRTEM , **(c)** SAED image of HC after cycling.