Supporting information

$V_2(PO_4)O$/C@CNTs hollow sphere with a core-shell structure as a potential anode material for lithium-ion batteries

Bin Xiao, Wen-hai Zhang, Hai-feng Xia, Zhi-teng Wang, Lin-bo Tang, Chang-sheng An, Zhen-jiang He, Hui Tong, Jun-chao Zheng*

School of Metallurgy and Environment, Central South University, Changsha 410083, P.R. China

*Corresponding author: J-c Zheng (jczheng@csu.edu.cn)

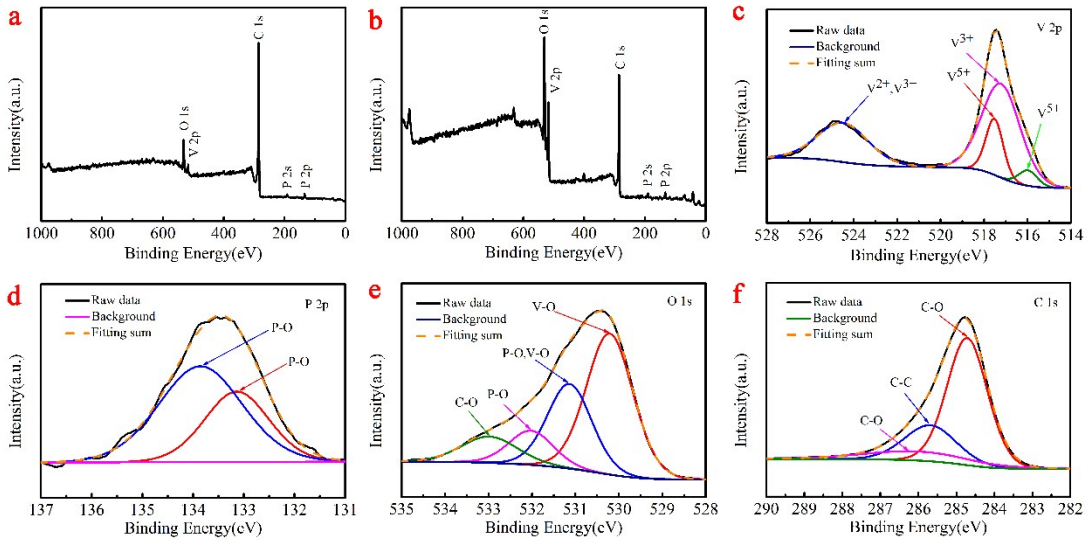

Fig. S1 (a) XPS survey of $V_2(PO_4)O$/C HSs; (b) XPS survey of $V_2(PO_4)O$/C HSs; (c) XPS core level of V2p in $V_2(PO_4)O$/C HSs; (d) XPS core level of P2p in $V_2(PO_4)O$/C HSs; (e) XPS core level of O 1s in $V_2(PO_4)O$/C HSs; (f) XPS core level of C 1s in $V_2(PO_4)O$/C HSs.

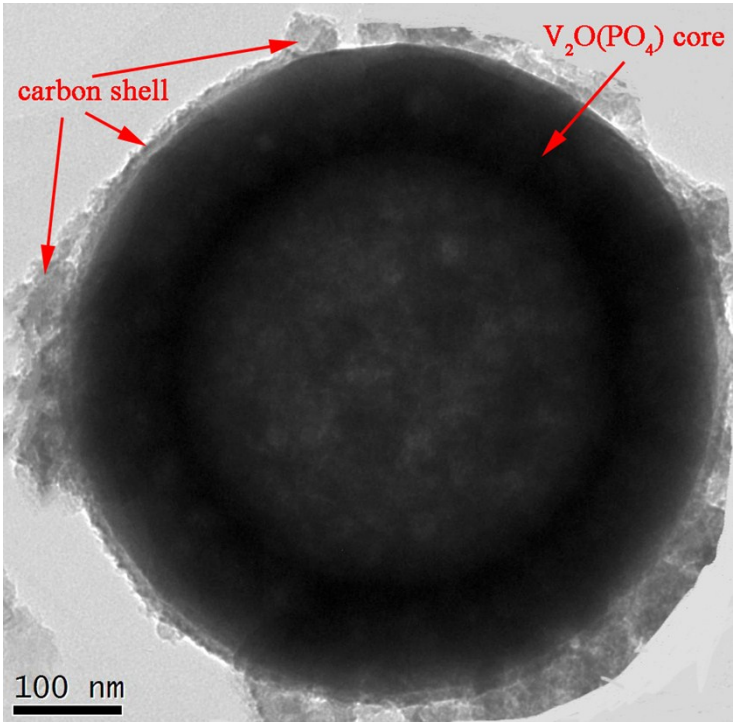

Fig. S2 TEM of $V_2(PO_4)O$/C HSs.

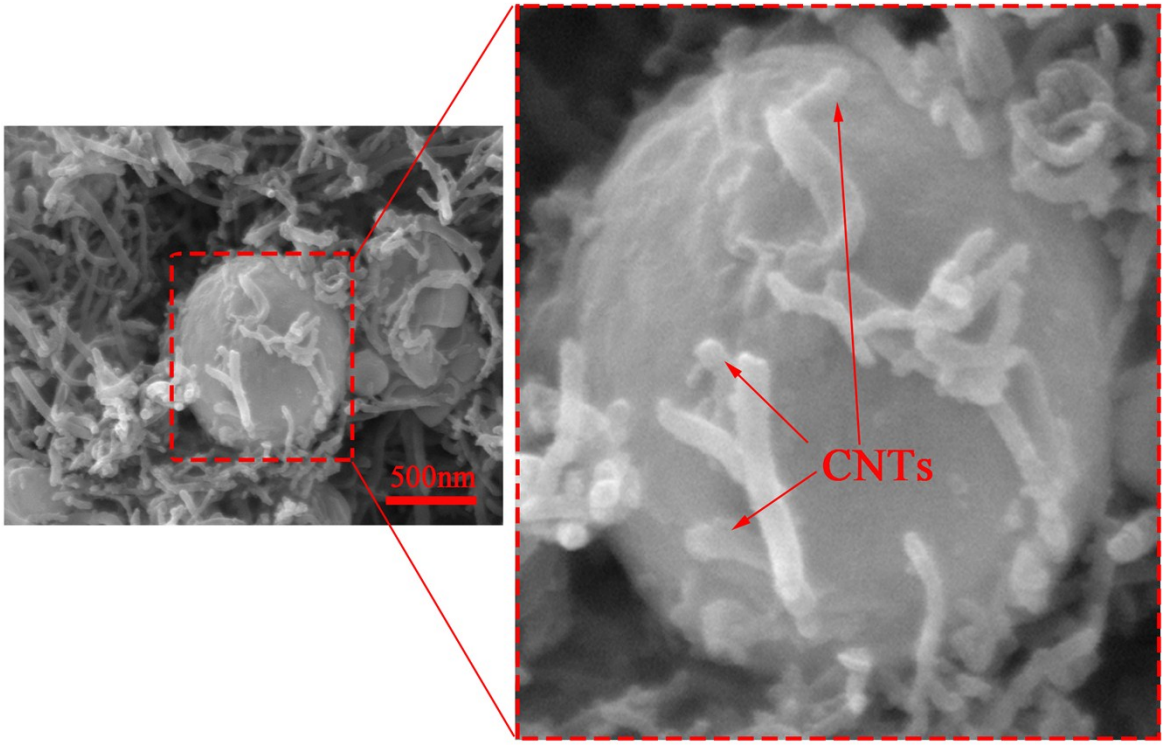

Fig. S3 SEM of $V_2(PO_4)O$/C HSs.

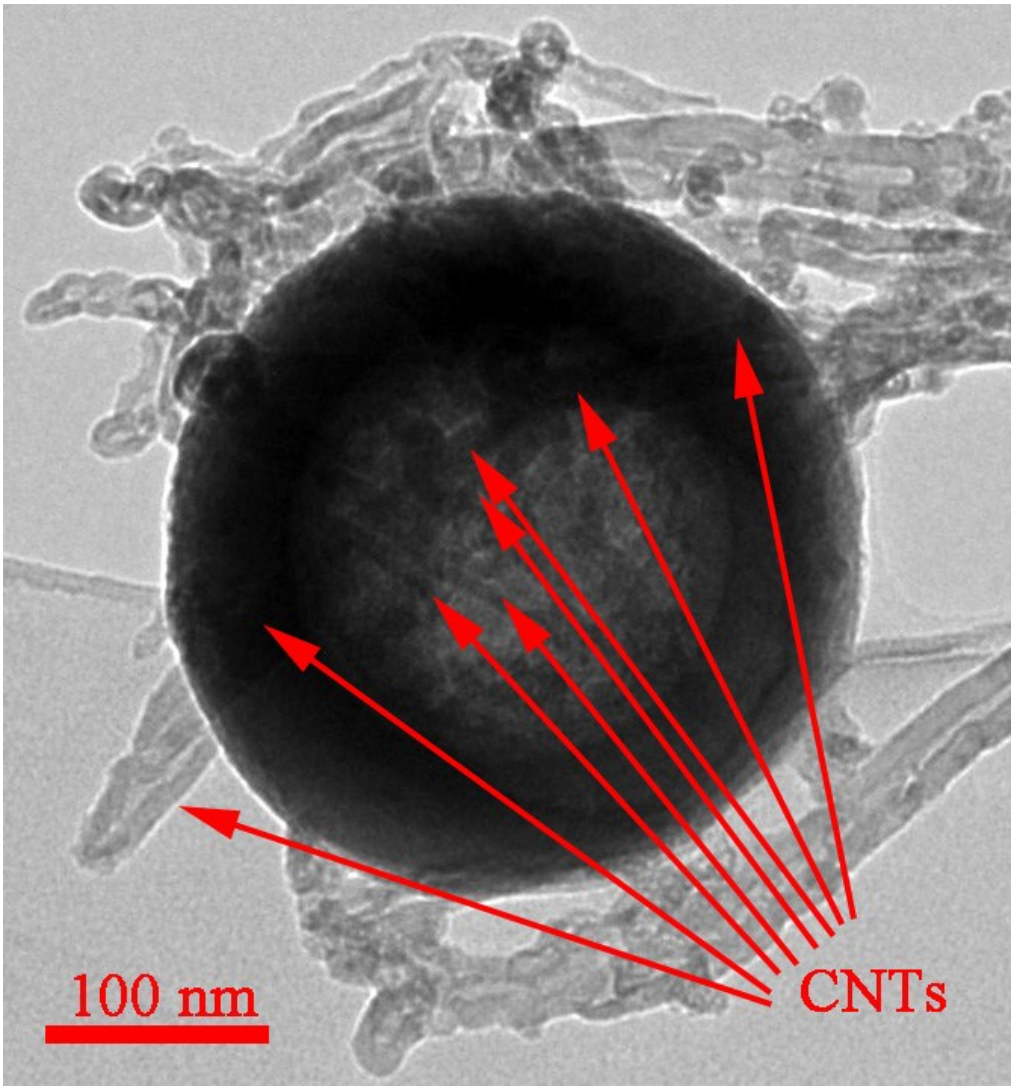

Fig. S4 TEM of $V_2(PO_4)O$/C@CNTs HSs.