

**Nb₂O₅ nanoparticles encapsulated into ordered mesoporous carbon matrix as
advanced anode materials for Li ion capacitors**

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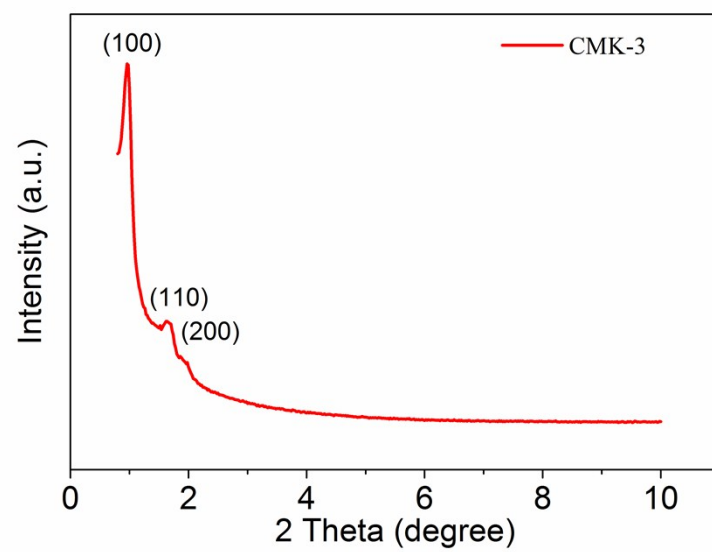


Fig. S1 Small angle X-ray diffraction (SAXRD) patterns of the CMK-3 carbon template.

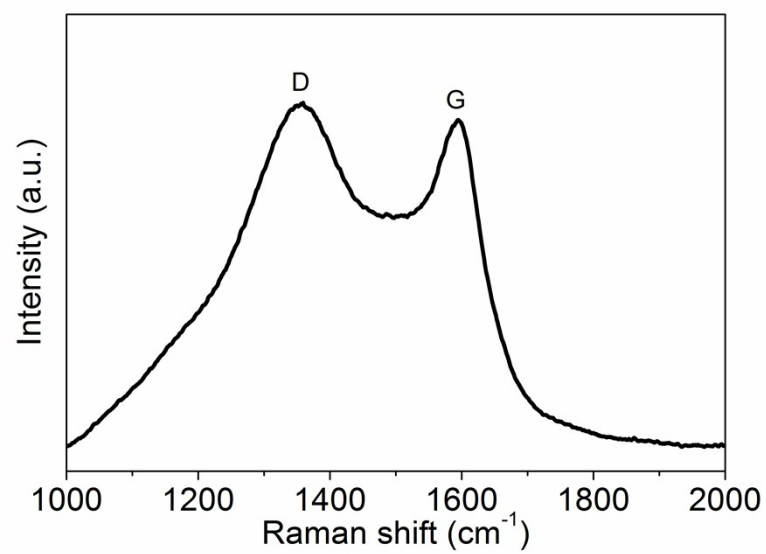


Fig. S2 Raman spectrum of the original CMK-3 carbon template.

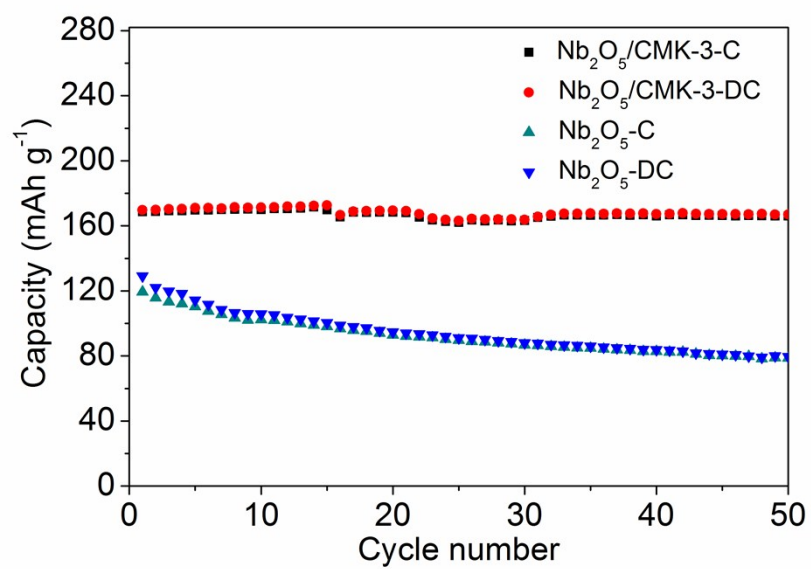


Fig. S3 Cycle performances of bulk Nb_2O_5 and $\text{Nb}_2\text{O}_5/\text{CMK-3}$ nanocomposite at 1 C.

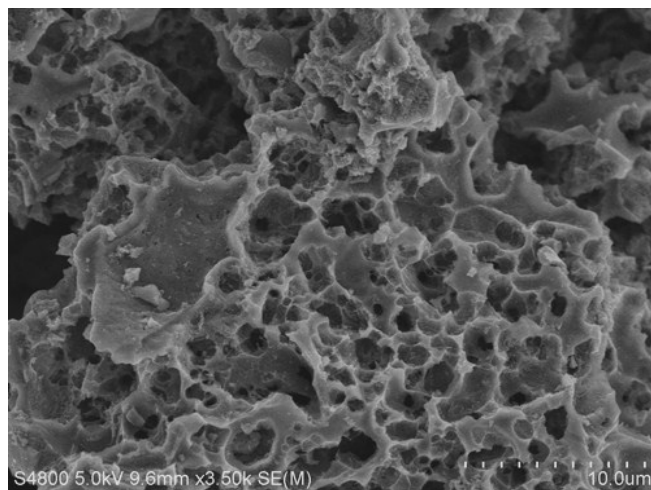


Fig. S4 SEM image of Peanut shell carbon (PSC).

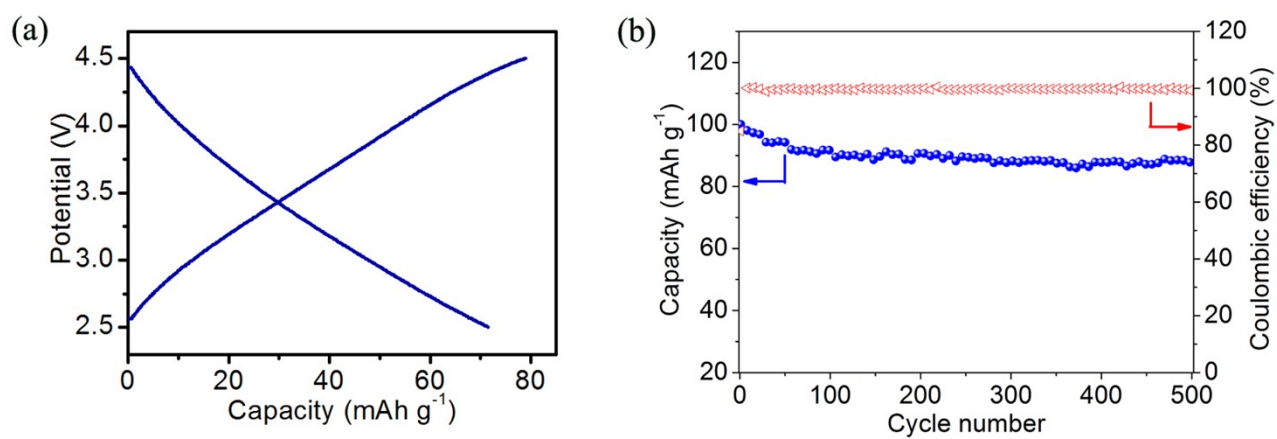


Fig. S5 a) galvanostatic charge-discharge curve of PSC at 0.2 C. b) Cycle performance and coulombic efficiency of PSC at 0.1 C.

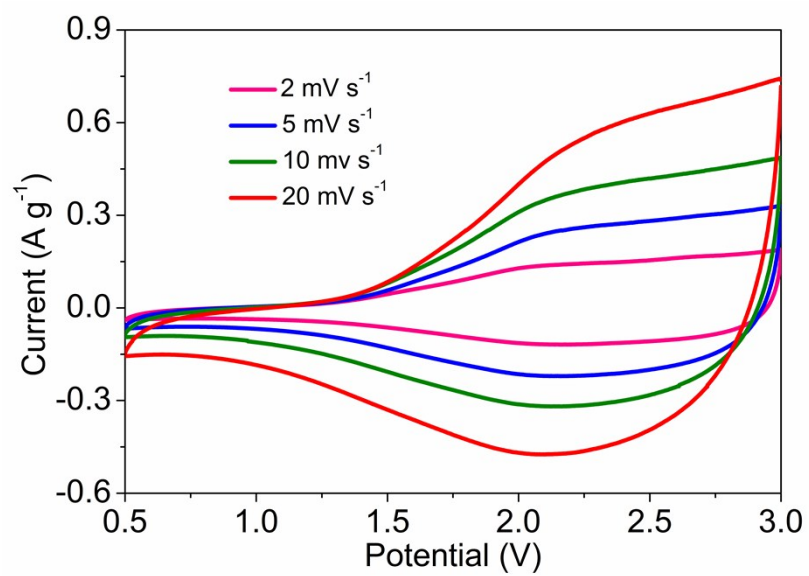


Fig. S6 The cyclic voltammetry curves of the Nb₂O₅/CMK-3//PSC hybrid device.