

Supporting Information

Fast Lithium-ion Storage of Nb₂O₅ nanocrystals *in situ* Grown on Carbon Nanotubes for High-performance Asymmetric Supercapacitors

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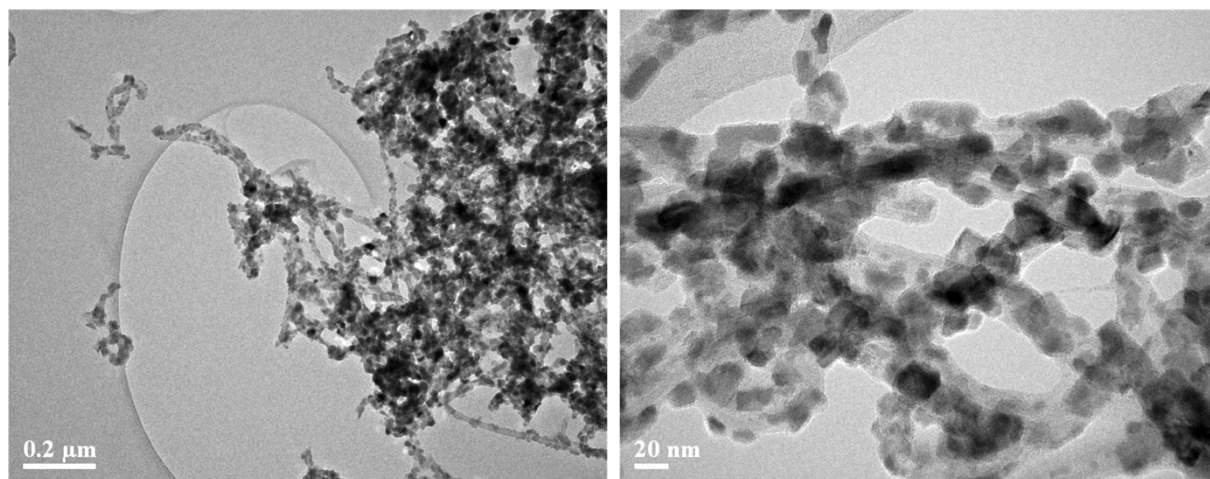


Figure S1. TEM images of the CNT/Nb₂O₅ nanocomposites. To further demonstrate the *in situ* growth and intimate contact, the sample was dispersed in ethanol under ultrasonication for 12 h. There are no isolated or separated Nb₂O₅ nanocrystals that can be observed.

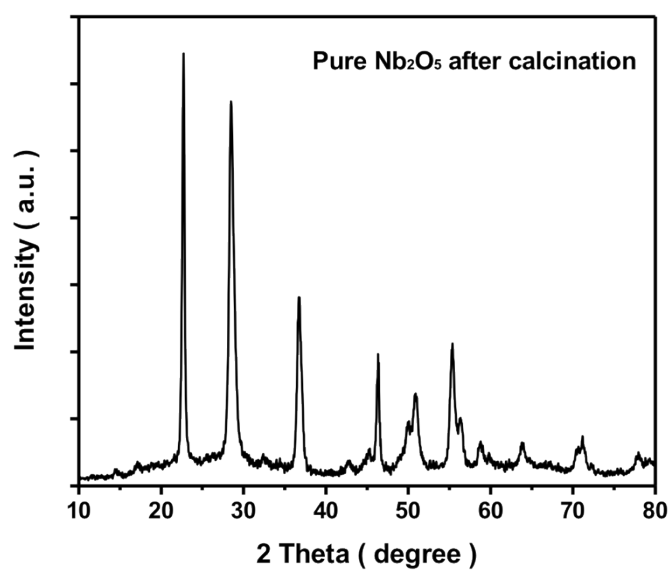


Figure S2. XRD pattern of pure Nb₂O₅ synthesized at identical condition to CNT/Nb₂O₅ nanocomposites.

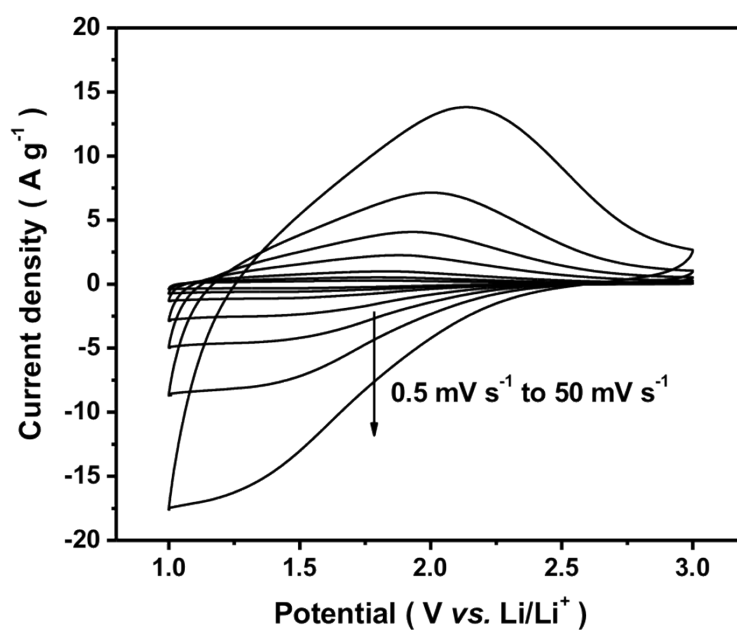


Figure S2. CV curves of the CNT/Nb₂O₅ composite electrode at various potential scanning rates from 0.5 to 50 mV s⁻¹ at room temperature.

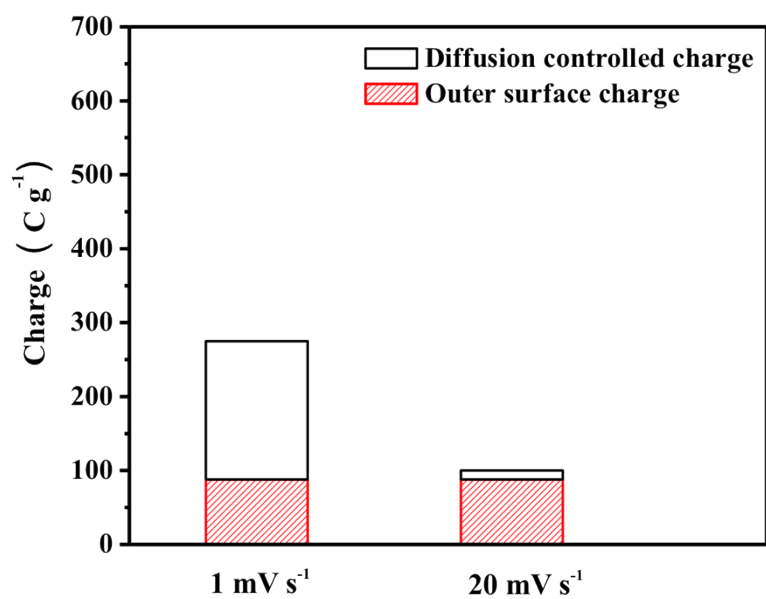


Figure S4. Analysis of the total charge stored on the electrode based on pure Nb₂O₅ nanocrystals synthesized through identical condition.