

Supporting information:

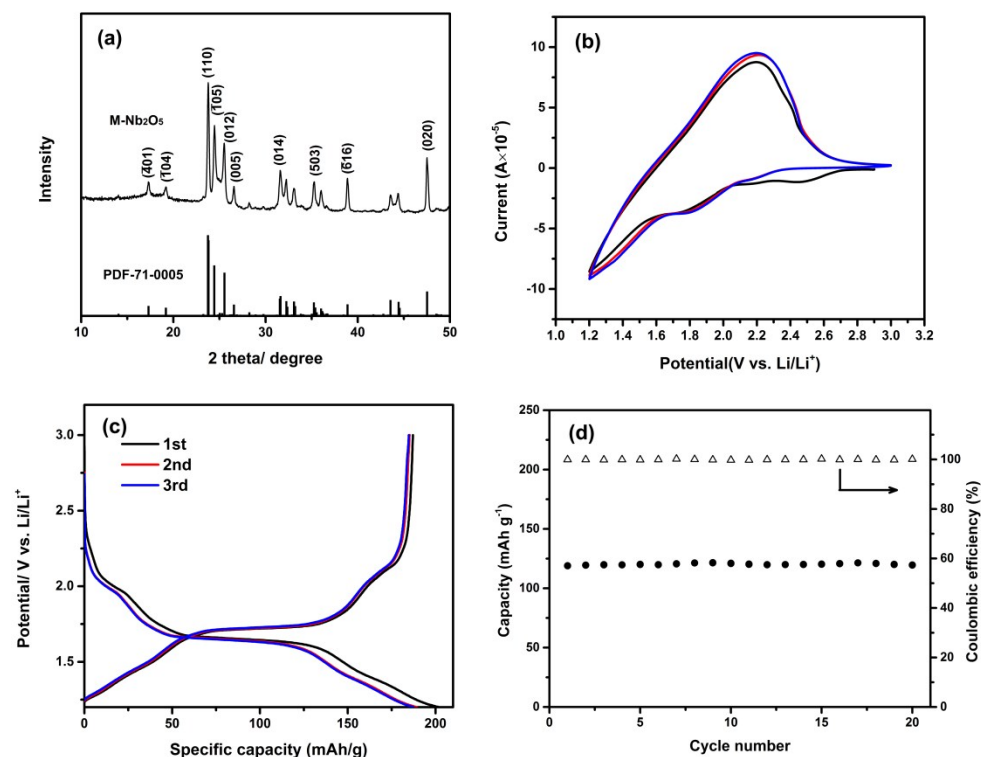


Figure S1. (a) XRD patterns of M-Nb₂O₅ annealed in air for 3 hours at 1100 °C; (b) CV curves of M-Nb₂O₅ in the voltage range of 1.2-3.0 V (vs Li/Li⁺) with a scan rate of 0.2 mV s⁻¹; (c) First three discharge-charge profiles of M-Nb₂O₅ at a current density of 10 mA g⁻¹; (d) Cycling performance of M-Nb₂O₅ at current densities of 100 mA g⁻¹.

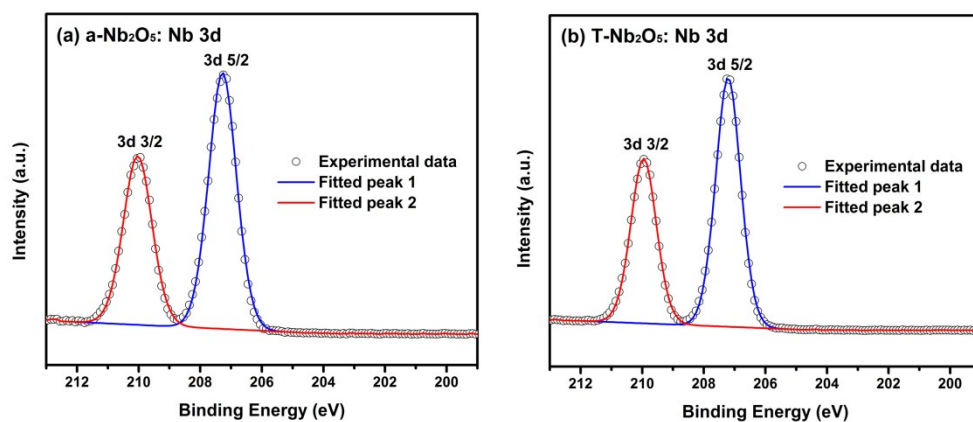


Figure S2. XPS spectrum of (a) a-Nb₂O₅ nanoparticles; (b) T-Nb₂O₅ nanoparticles

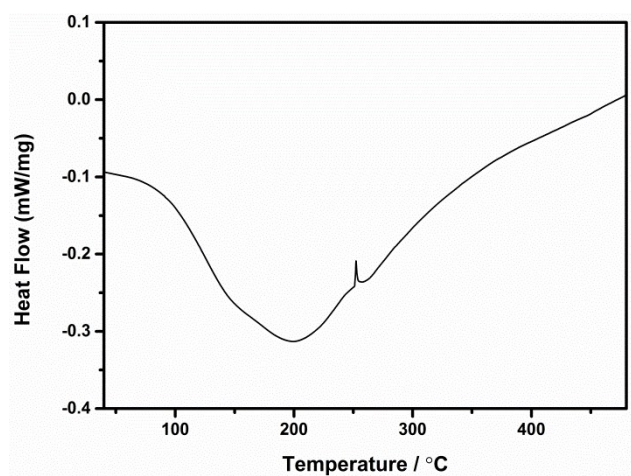


Figure S3. Differential scanning calorimeter curve of pure Nb₂O₅ xerogel from 40 °C to 480 °C at a rate of 10 °C min⁻¹