

Supporting information

Enhancing lithium/sodium-ion storage behaviors in V₂O₅ nanosheet by freeze-drying

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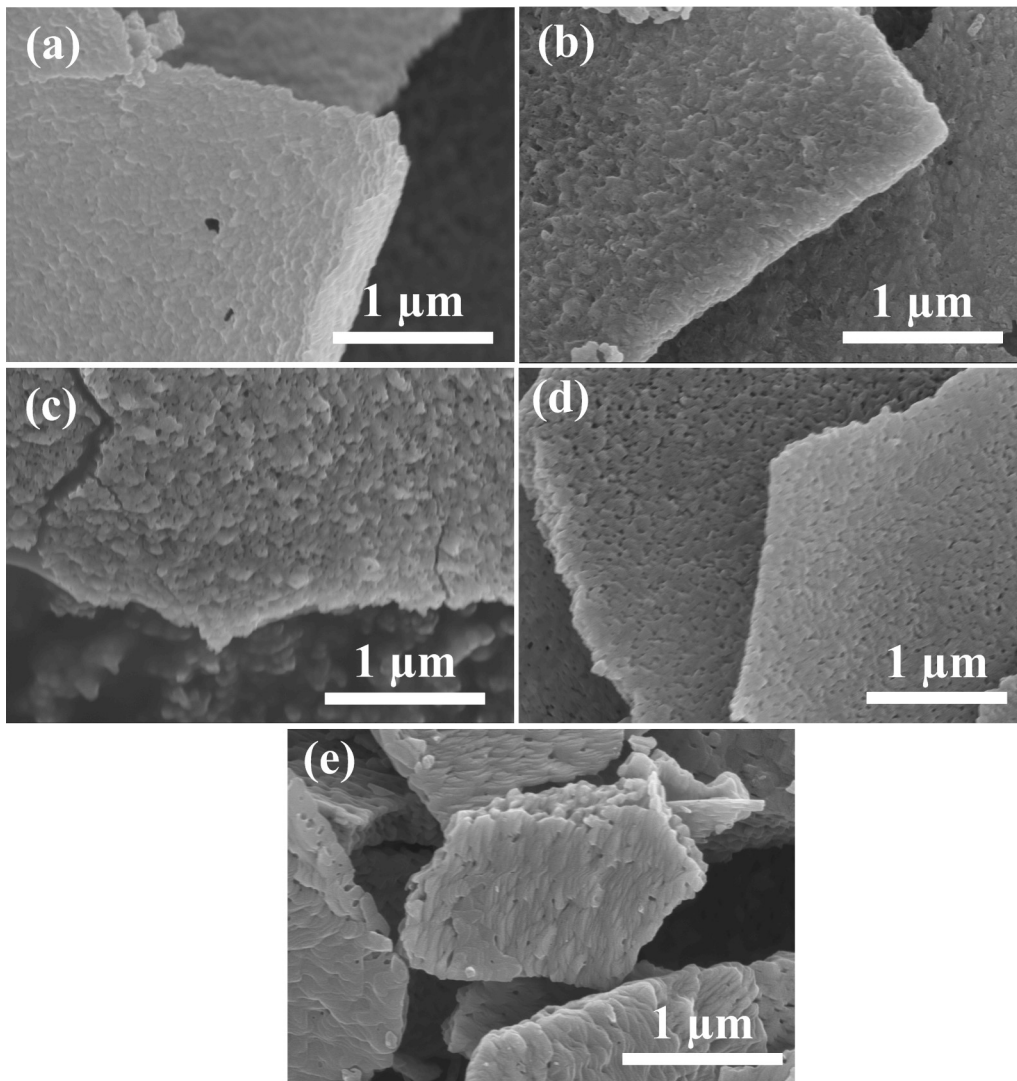


Figure S1. SEM images for different annealing temperature (a) freeze-drying treated NH_4VO_3 , (b) 200 °C, (c) 250 °C, (d) 300 °C, (e) 350 °C.

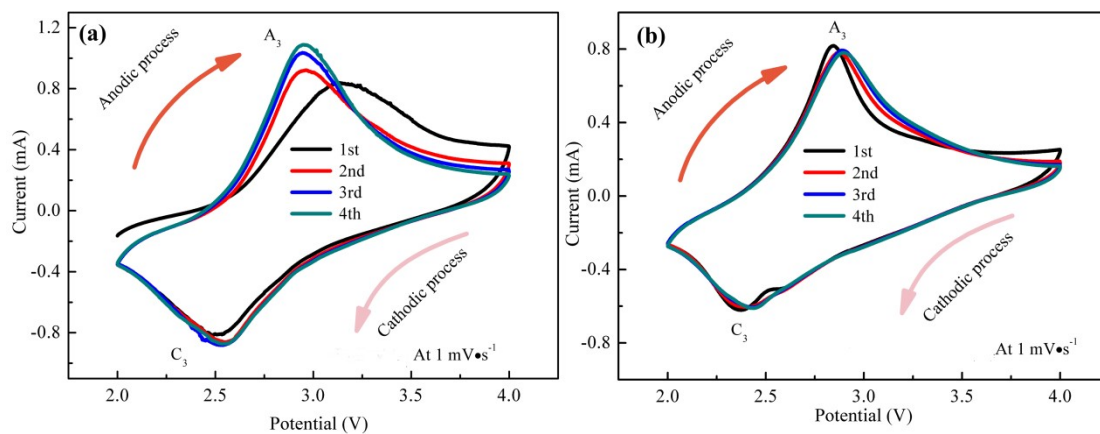


Figure S2. (a) CV curves of the first four cycles at a scan rate of 1 mV s⁻¹ in the voltage region of 2.0~4.0 V (vs. Li/Li⁺): (a) bulk V₂O₅ and (b) V₂O₅ nanosheet.

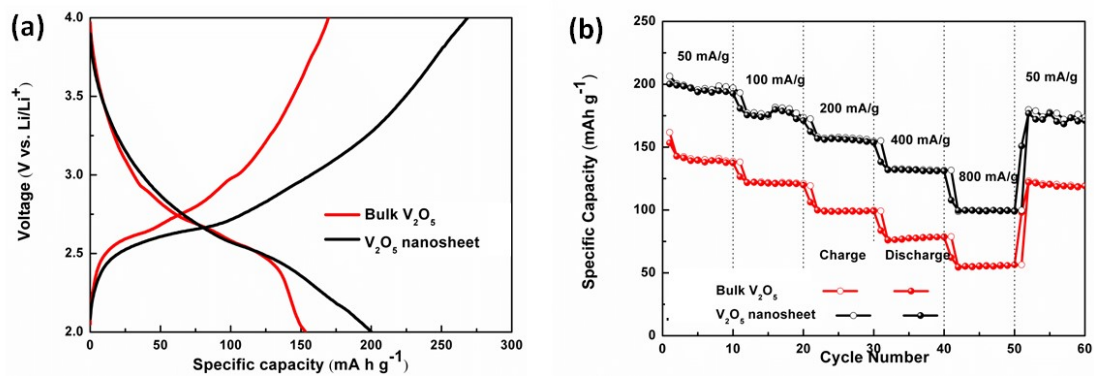


Figure S3. (a) Galvanostatic charge/discharge curves for the first cycle and (b) rate capability of bulk V₂O₅ and V₂O₅ nanosheets.

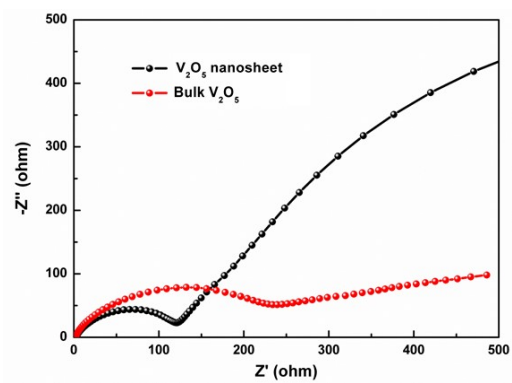


Figure S4. EIS plots of bulk V₂O₅ and V₂O₅ nanosheet electrodes vs Li/Li⁺,