

Supplementary Information for

Vanadium trioxide@carbon nanosheet array-based ultrathin flexible symmetric hydrogel supercapacitors with 2 V voltage and high volumetric energy density†

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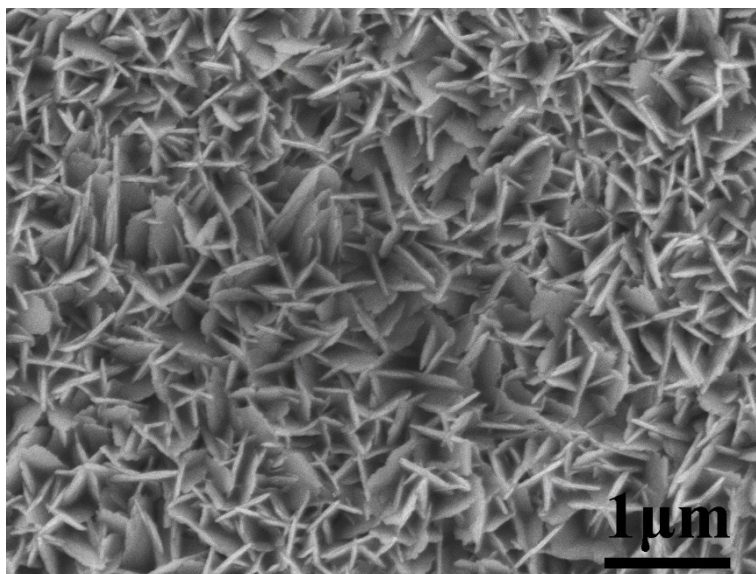


Fig. S1. SEM image of the precursor VO₂ nanosheet array.

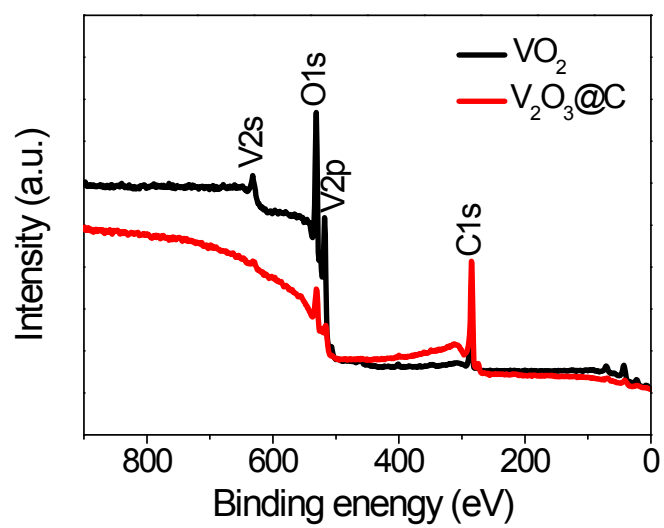


Fig. S2. XPS full spectra of VO₂ and V₂O₃@C arrays.

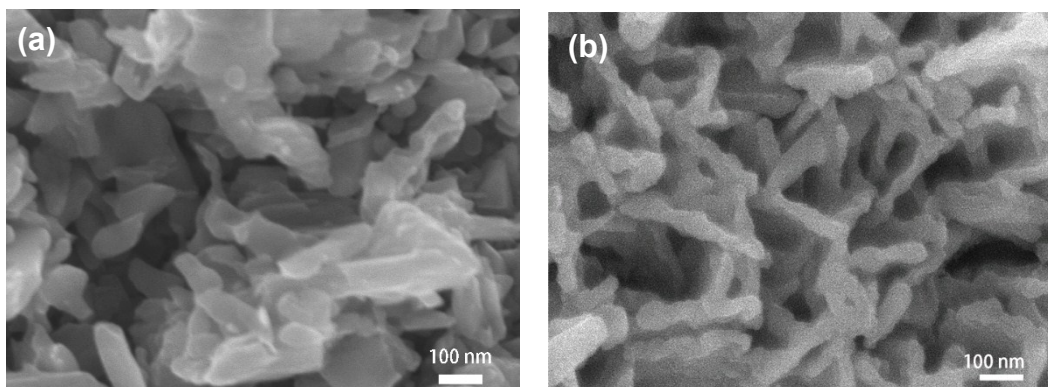


Fig. S3. SEM images of (a) the pristine VO₂ and (b) V₂O₃@C electrodes after cycling. It can be seen that array structure of V₂O₃@C electrode was almost maintained while that of the pristine VO₂ was almost destroyed.

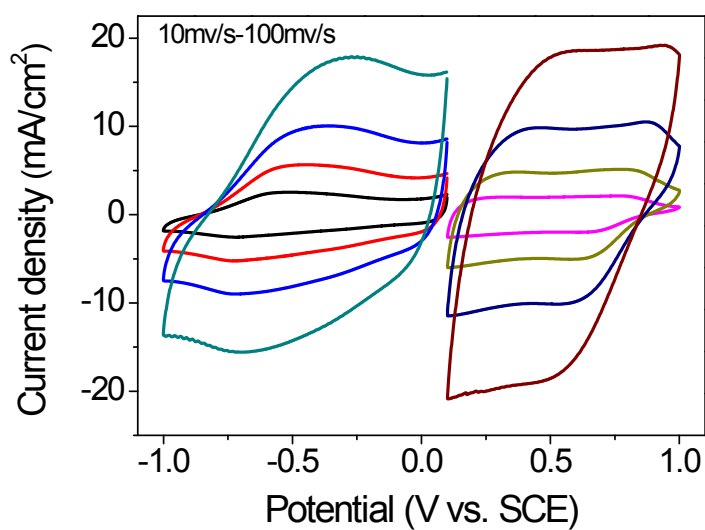


Fig. S4. The CV curves of $\text{V}_2\text{O}_3@\text{C}$ as both anode and cathode at 10-100 mV s^{-1} .

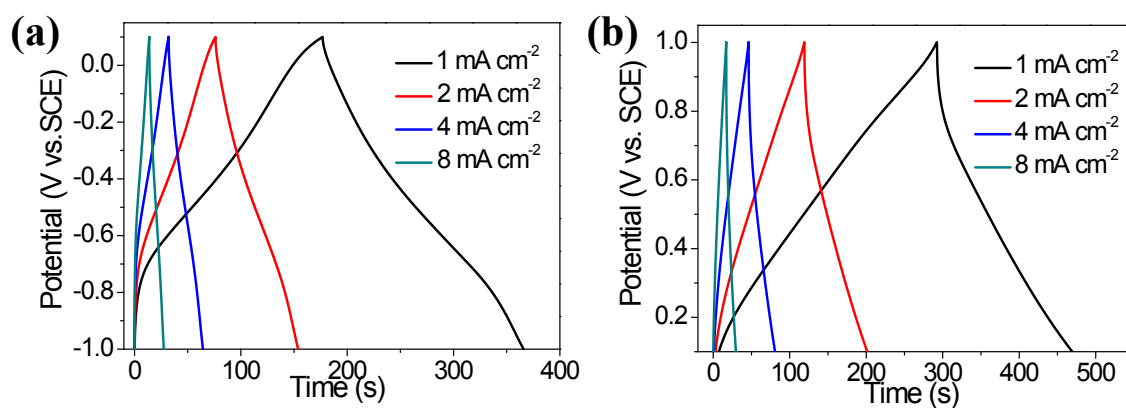


Fig. S5. GCD curves of a) anode and b) cathode at different current densities.

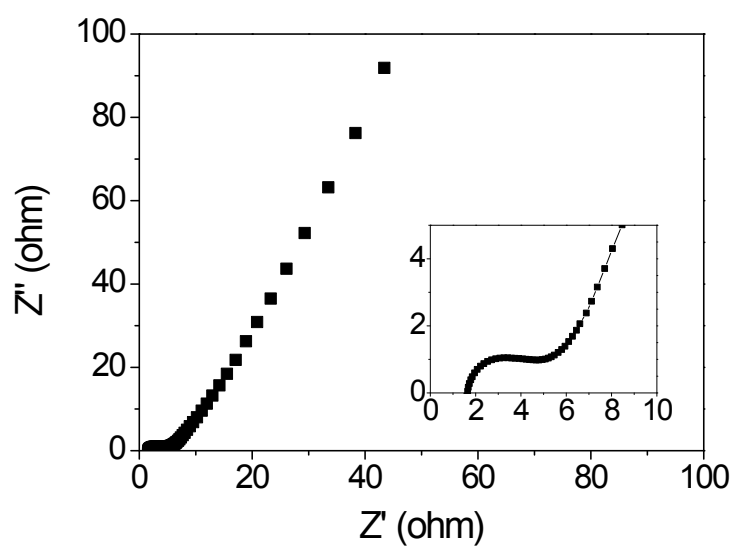


Fig. S6. EIS spectrum of the ultrathin flexible quasi-solid-state SC.