Electronic Supplementary Information

In-situ growth of $(NH_4)_2V_{10}O_{25}\cdot 8H_2O$ urchin-like hierarchical arrays as superior electrode for all-solid-state supercapacitors

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Fig. S1-S3



Figure S1.(a, b) EDX spectra (a) and atomic concentration spectrum (b) of $(NH_4)_2V_{10}O_{25}$. 8H₂O microwires.



Figure S2. Typical SEM images of the as-grown $(NH_4)_2V_{10}O_{25}\cdot 8H_2O$ on the bottom of the hydrothermal autoclave.



Figure S3. CV curves of the $(NH_4)_2V_{10}O_{25}$ · $8H_2O$ @Ni electrode at different scan cycles.



Figure S4. Areal and volumetric specific capacitances of the $(NH_4)_2V_{10}O_{25}\cdot 8H_2O$ @Ni electrode calculated from the corresponding discharge curves, respectively.