

Electronic Supporting Information

Hierarchical vanadium oxide microspheres forming from hyperbranched nanoribbons as remarkably high performance electrode materials for supercapacitors

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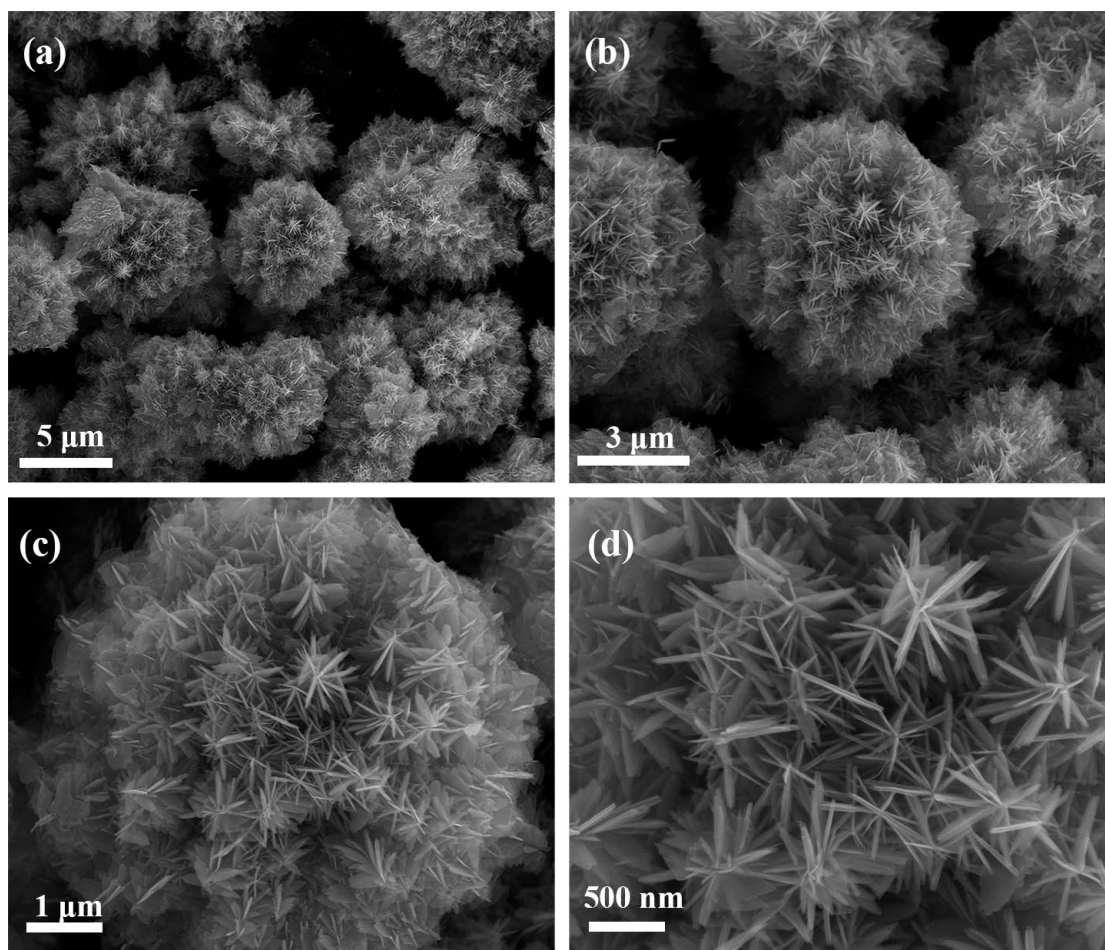


Fig. S1 SEM images of the precursor before calcination

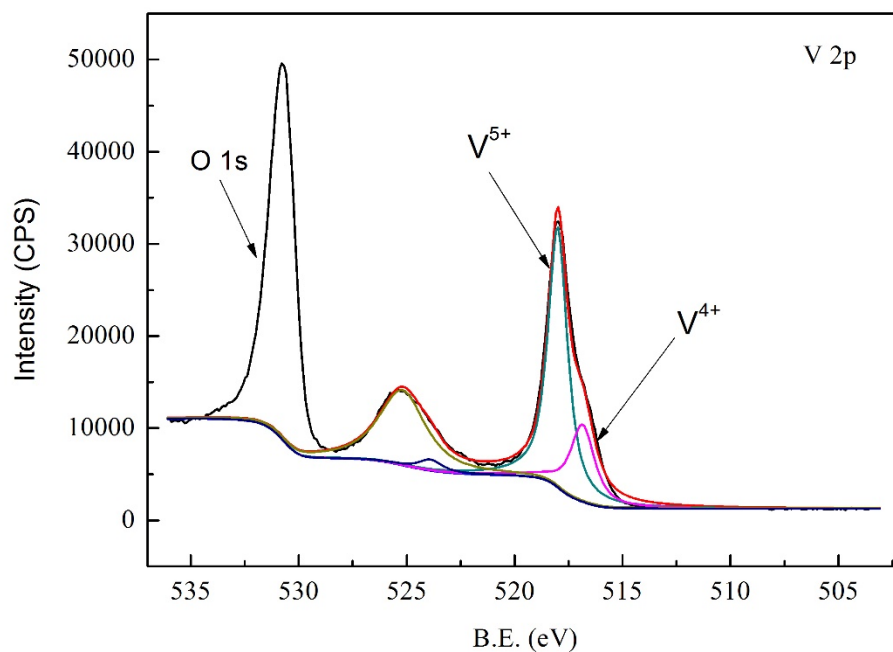


Fig. S2 XPS spectrum of the hierarchical vanadium oxide microspheres

Position/eV	FWHM/eV	Area	Corresponding species
517.9	1.07	44624	V(V)
516.8	1.35	16641	V(IV)

According to the result summary above, the molar ratio of V(V): V(IV) is ~2.7.

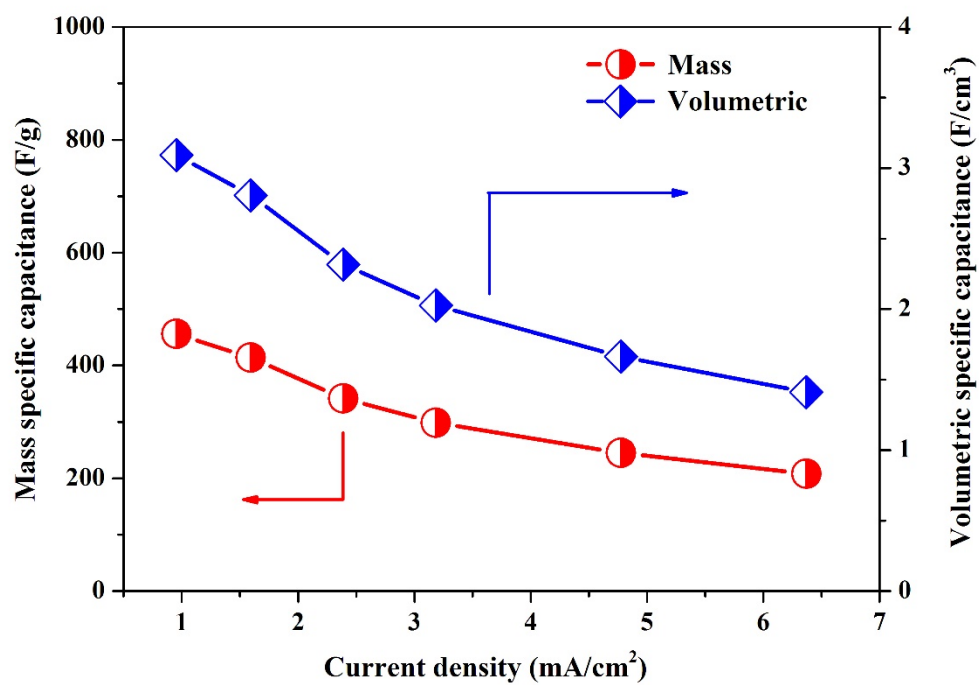


Fig. S3 Specific capacitances of the hierarchical vanadium oxide microspheres versus current densities

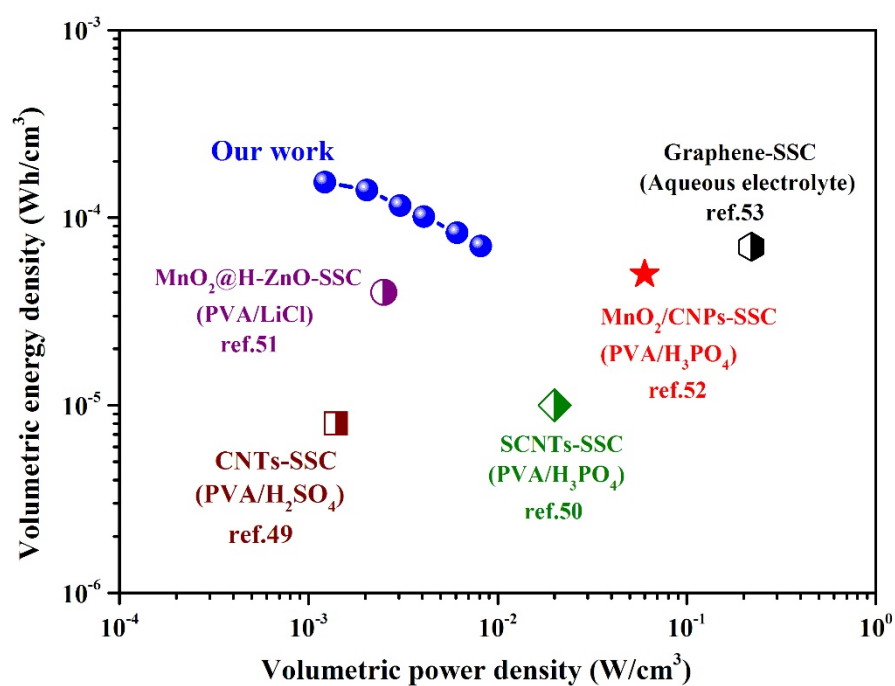


Fig. S4 Ragone plot of the symmetric supercapacitor based on hierarchical vanadium oxide microspheres