

Supporting Information

Hierarchical NiSe₂ spheres composed by tiny nanoparticles for high performance asymmetric supercapacitors

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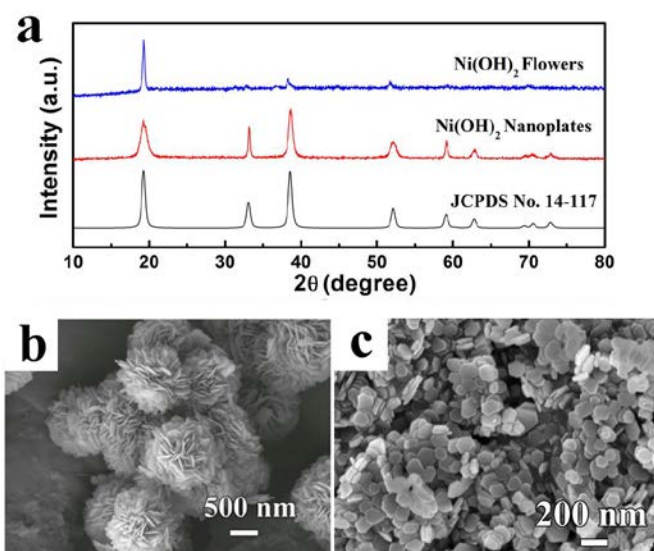


Fig. S1 (a) XRD pattern, SEM images of (b) Ni(OH)₂ flowers and (b) Ni(OH)₂ nanoplates

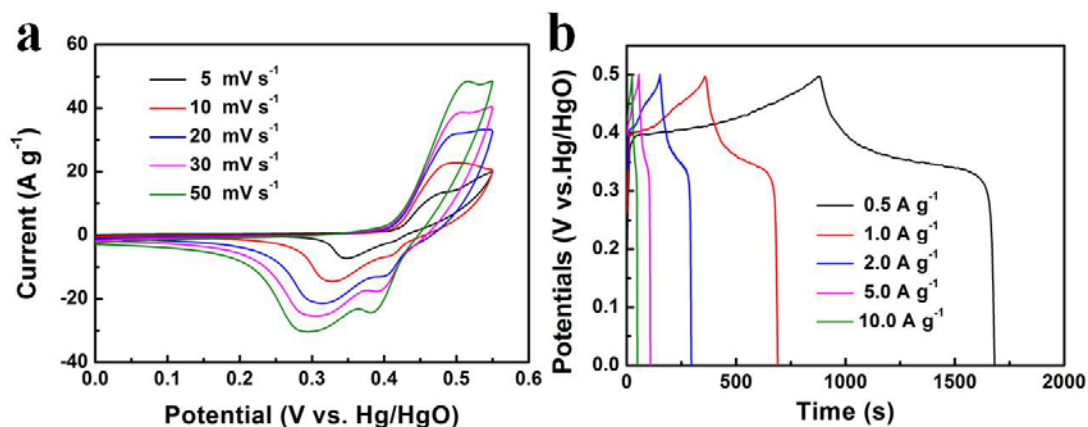


Fig. S2 (a) CV curves of NiSe₂ NPs supercapacitors at different scan rates; (b) charge/discharge curves of NiSe₂ NPs supercapacitors at different current densities.

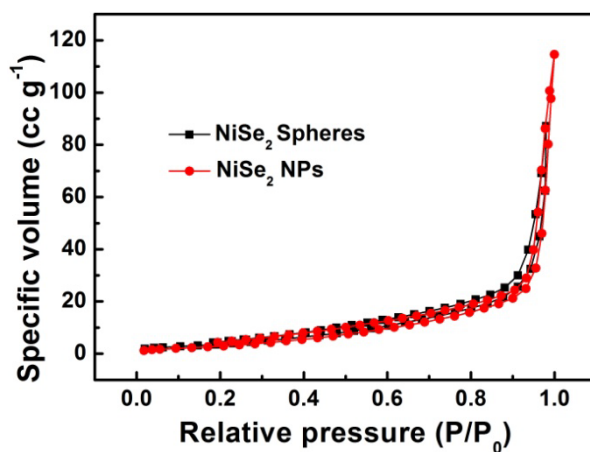


Fig. S3 N₂ adsorption-desorption isotherms of hierarchical NiSe₂ spheres and (b) NiSe₂ NPs. The specific surface area of hierarchical NiSe₂ spheres and (b) NiSe₂ NPs are 22.471 and 25.517 m² g⁻¹, respectively.

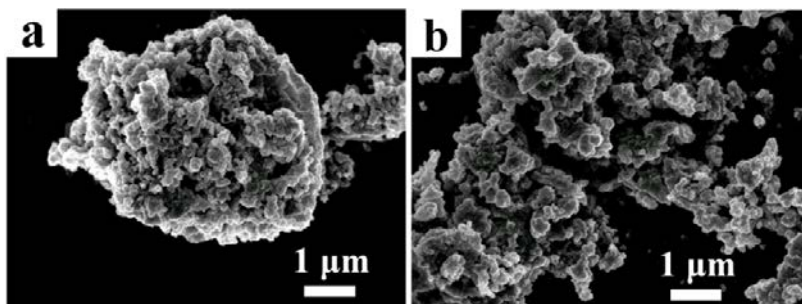


Fig. S4 SEM images of (a) hierarchical NiSe₂ spheres and (b) NiSe₂ NPs after 1000 cycles.

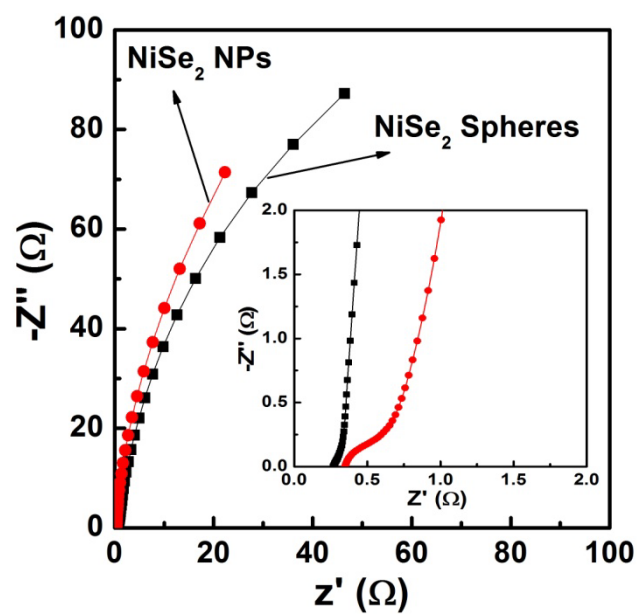


Fig. S5 The EIS curves of the freshly prepared NiSe₂ spheres and NiSe₂ NPs supercapacitors.

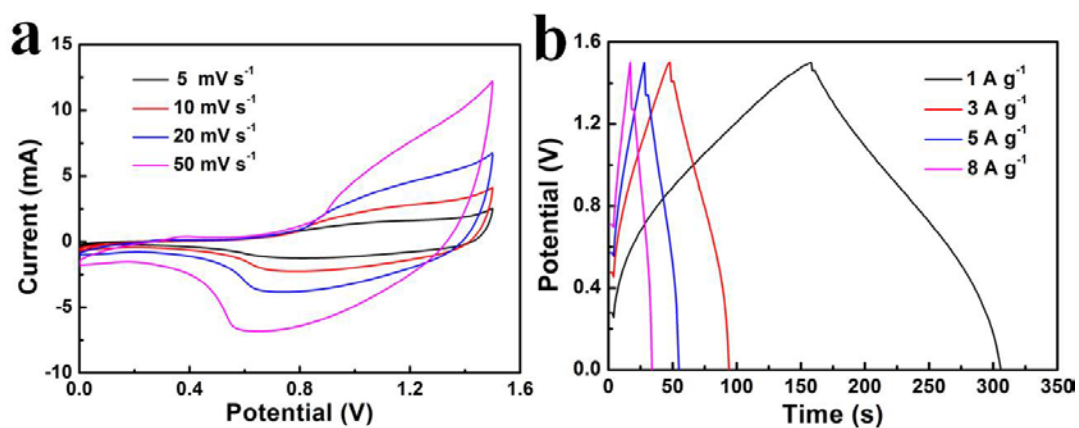


Fig. S6 (a) CV curves and (b) charge/discharge curves of NiSe₂ NPs//AC supercapacitors.