

Supplementary Information

Microwave-Assisted Gas-Liquid Interfacial Synthesis of Flowerlike NiO Hollow Nanosphere Precursors and Their Application as Supercapacitor Electrodes

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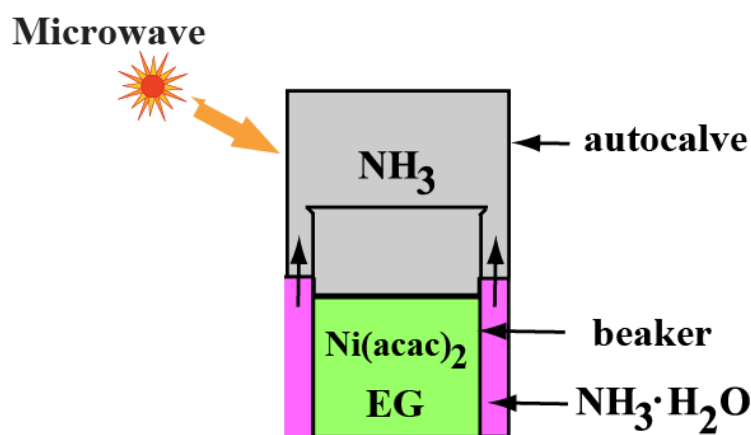


Fig. S1 Schematic illustration of the microwave-assisted gas-liquid interfacial setup for the preparation of the flowerlike NiO hollow nanospheres.

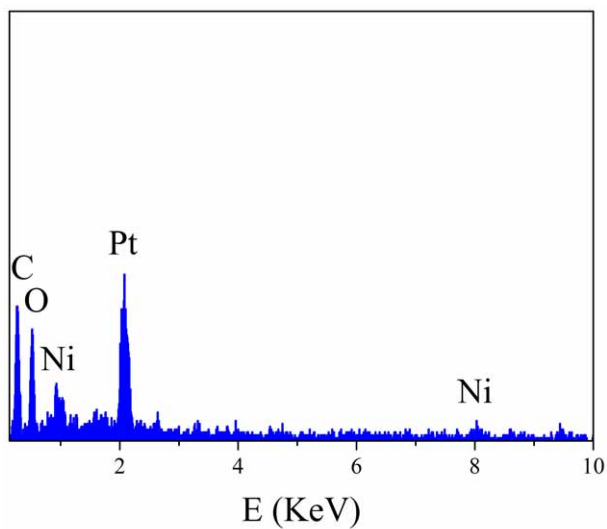


Fig. S2 EDX spectrum of flowerlike NiO hollow nanosphere precursors (Pt comes from the sputtering in order to enhancing the conductivity).

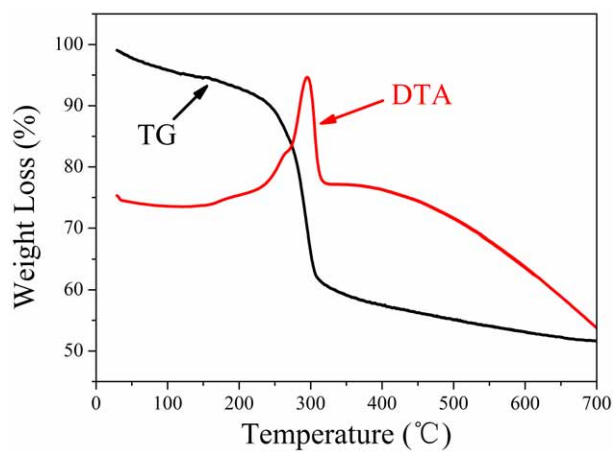


Fig. S3 TG and DTA curves of flowerlike NiO hollow nanosphere precursors under air atmosphere.

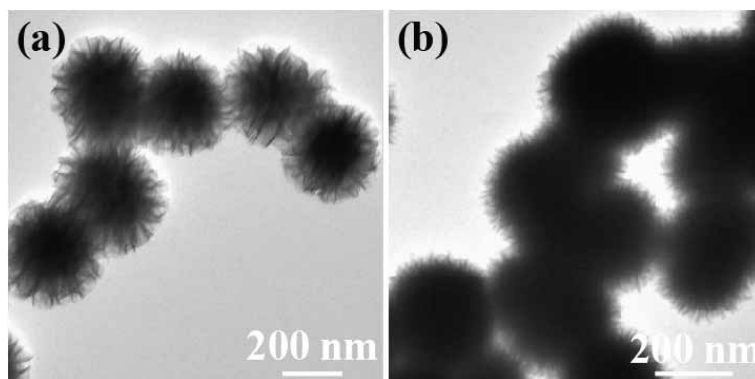


Fig. S4 TEM images of NiO precursors obtained at different reaction temperature (a) 120 °C, and (b) 150 °C.

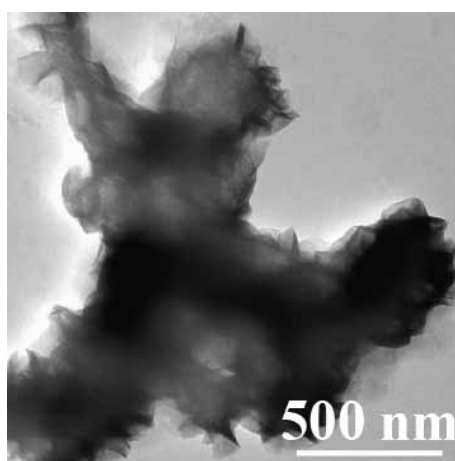


Fig. S5 TEM image of NiO precursor obtained using water instead of ammonia.

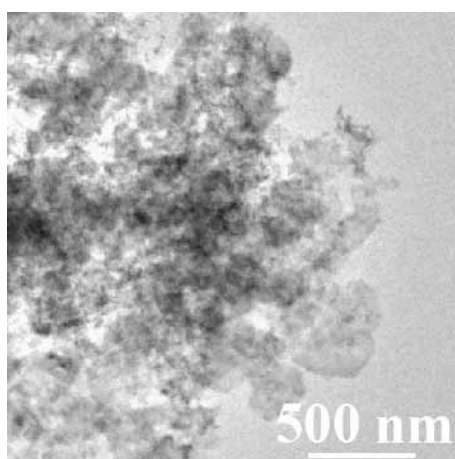


Fig. S6 TEM image of NiO precursor obtained under using water as the solvent.

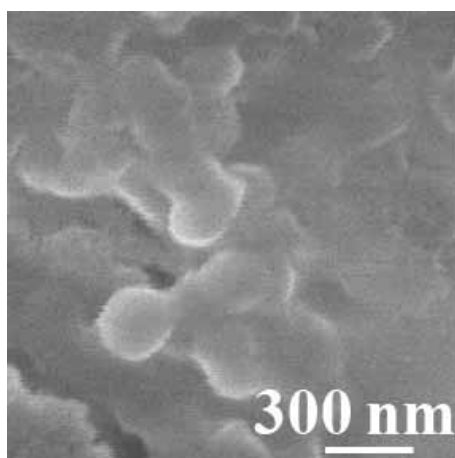


Fig. S7 SEM image of flowerlike NiO hollow nanospheres after charge-discharge cycles.