

Electronic Supplementary Information (ESI)

for

Room temperature synthesis of zinc hydroxystannate hollow core-shell microspheres and their hydrothermal growth of hollow core-shell polyhedral microcrystals

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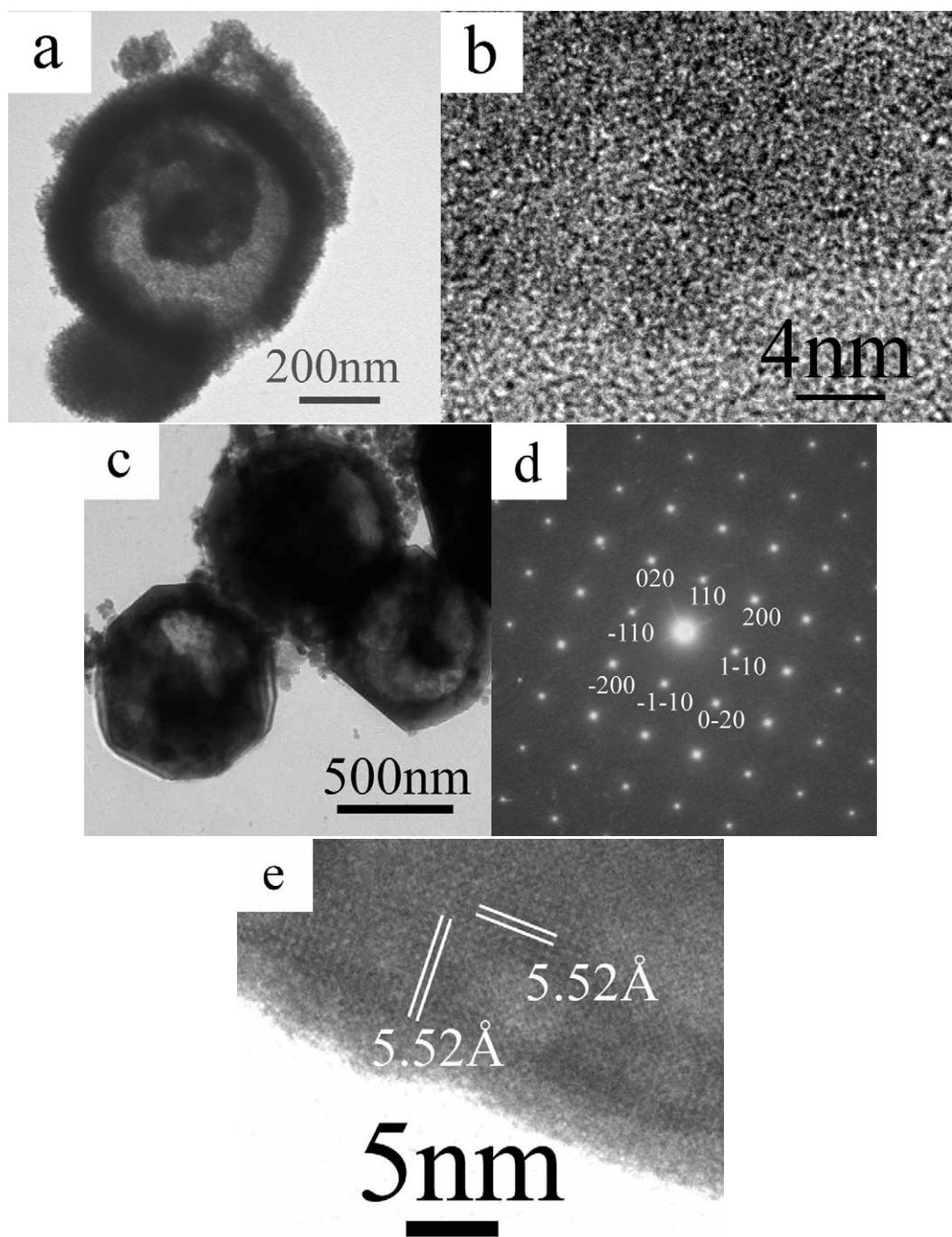


Fig. S1 TEM (a) image and HRTEM images (b) of the hollow core-shell microspheres and TEM image (c), SAED (d) and HRTEM (e) images of the hollow core-shell polyhedral microcrystals.

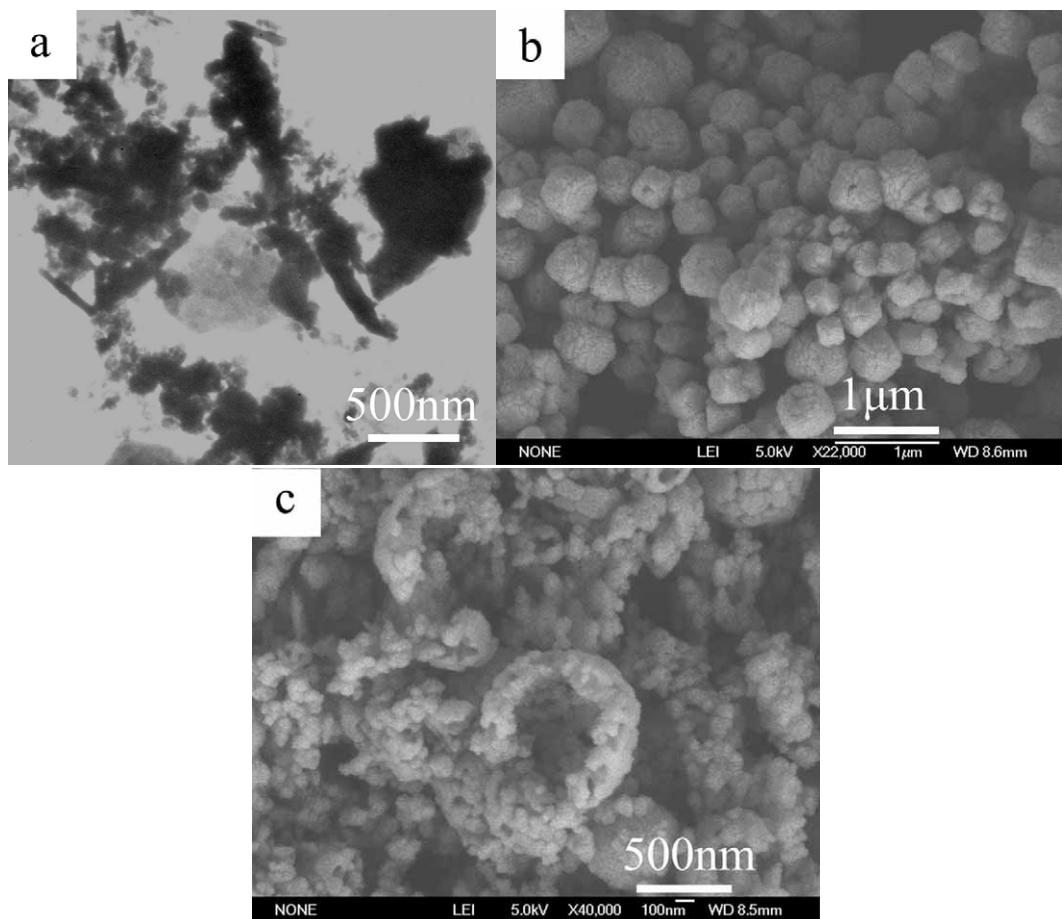


Fig. S2 TEM and FESEM images of the products obtained at different concentration of NH_4F : (a) 0 mol/L; (b) 0.05 mol/L; (c) 0.5 mol/L.

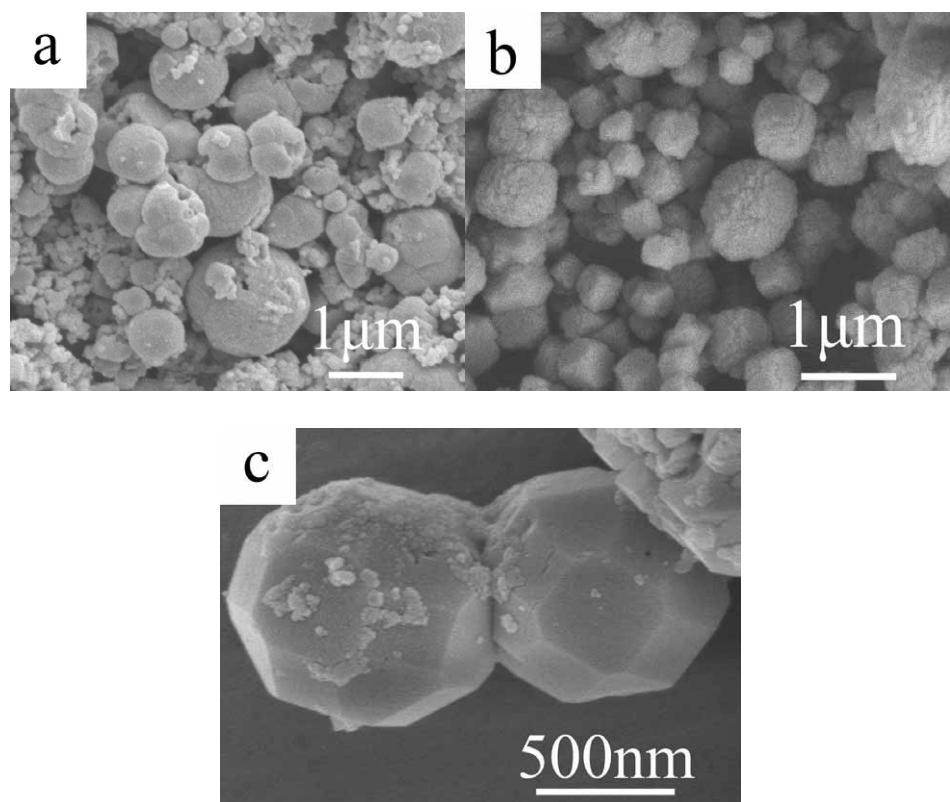


Fig. S3 FESEM images of the products obtained at different reaction temperature: (a) 100 °C; (b) 120 °C; (c) 180 °C.

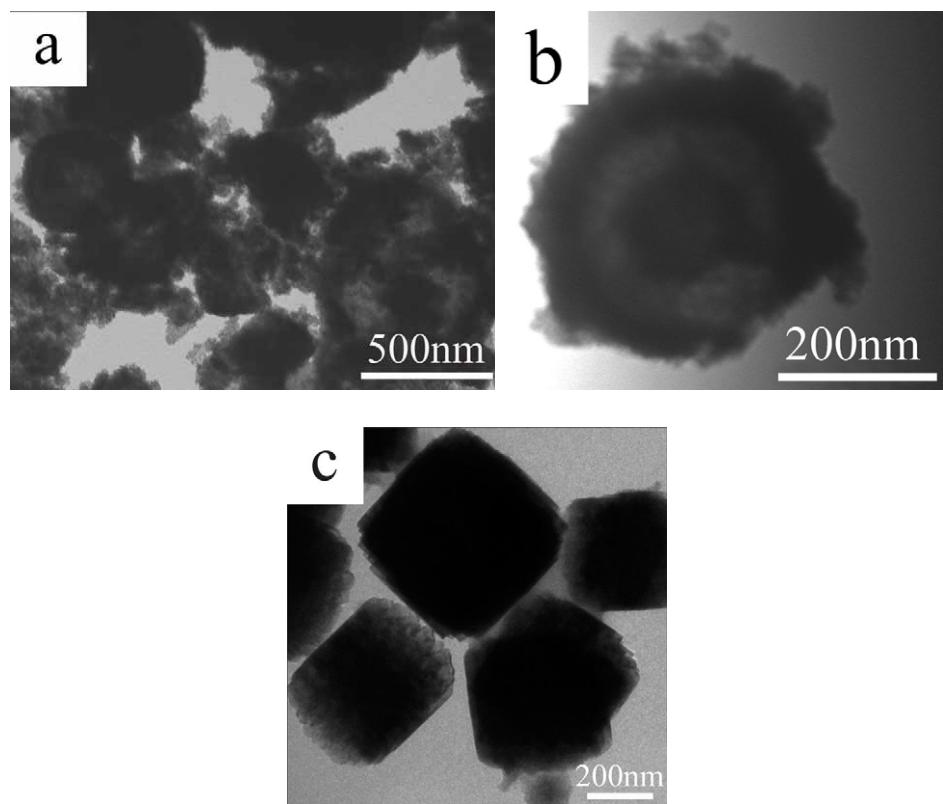


Fig. S4 TEM images of the products obtained using ammonium carbonate instead of NH_4F at room temperature (a, b); without ammonium carbonate at room temperature (c).