

Supporting information for:

3D-Hierarchical SnS₂ Micro/nano-Structures: Controlled Synthesis, Formation mechanism and Lithium ion storage performances

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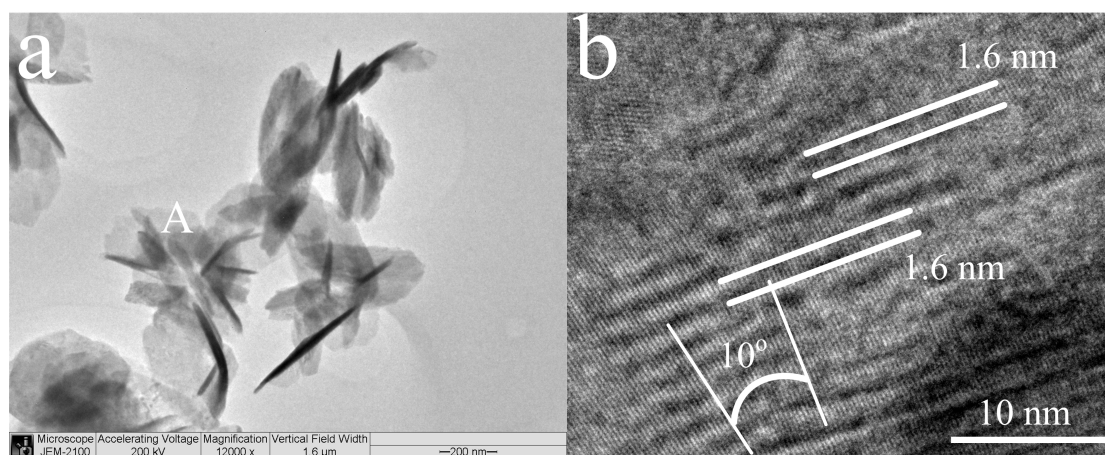


Fig. S1 a, TEM images of another assemblies of SAMPLE 2; b, magnified image of area A marked in a. The 10° angle between the lattice fringes with a new space of 1.6 nm.

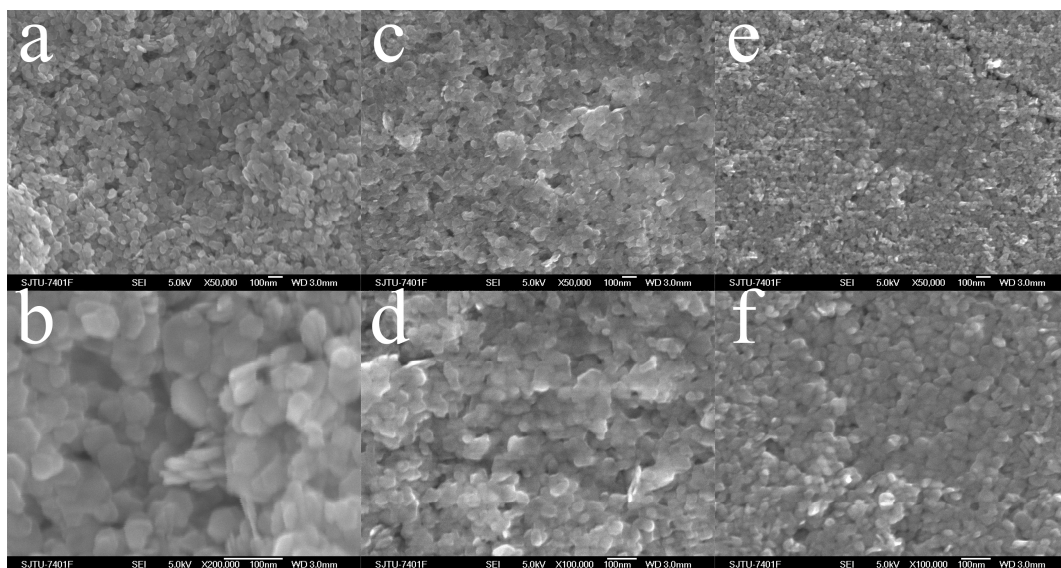


Fig. S2 The FESEM images of the obtained SnS₂ nanoplates synthesized by a simple hydrothermal process with 0.01 mol/L SnCl₄ and a certain amount of thioacetamide (TAA): a-b, 3.2 mmol, Sn:TAA=1:4; c-d, 6.4 mmol, Sn:TAA=1:8; e-f, 12.8 mmol, Sn:TAA=1:16.

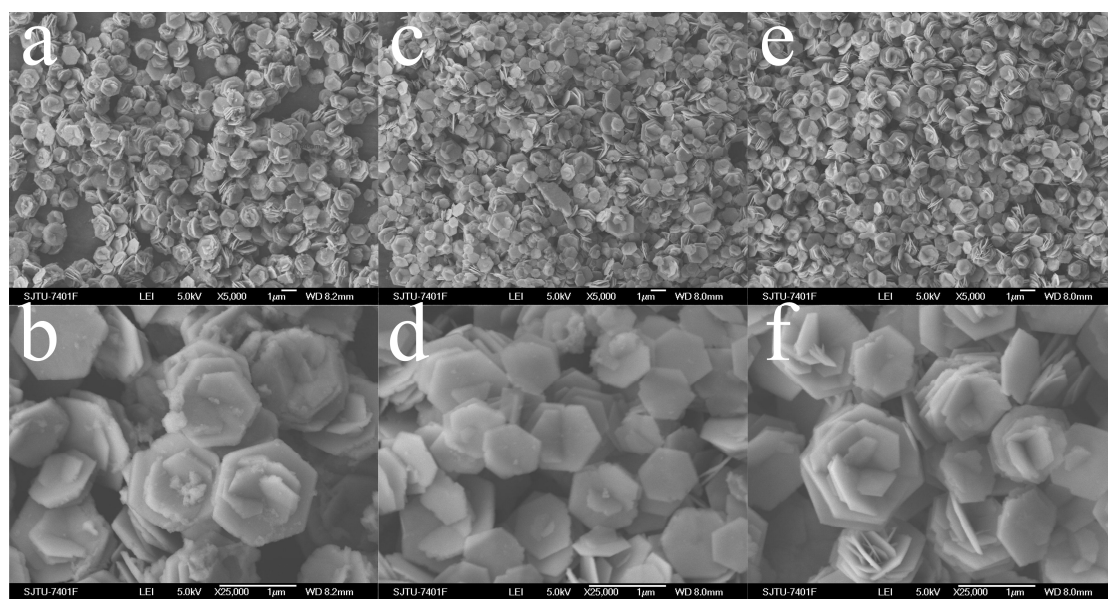


Fig. S3 The FESEM images of the obtained SnS₂ micro-flowers synthesized by a simple hydrothermal process with 0.01 mol/L SnCl₄ and a certain amount of thiourea (Tu): a-b, 3.2 mmol, Sn:Tu=1:4; c-d, 6.4 mmol, Sn:Tu=1:8; e-f, 12.8 mmol, Sn:Tu=1:16.