

A Facile Approach to PbS Nanoflowers and Their Shape-Tunable Single Crystal Hollow Nanostructures: Morphology Evolution

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Supporting Information

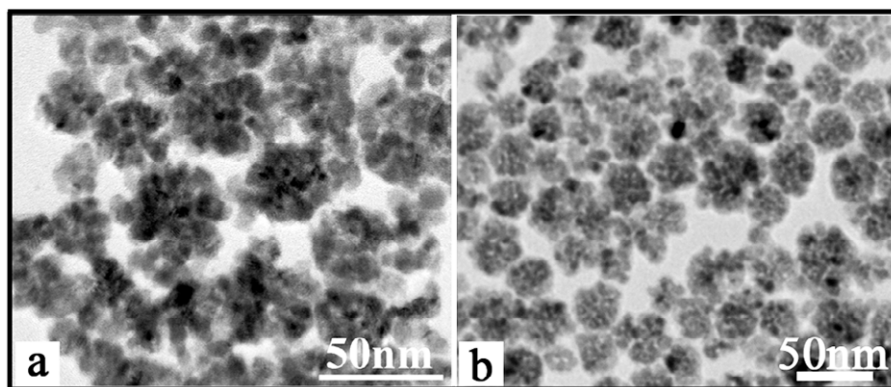


Figure S1. TEM images of flower-like PbS aggregates obtained at room temperature when the amount of oleic acid (a) and OLA (b) was quadrupled, respectively.

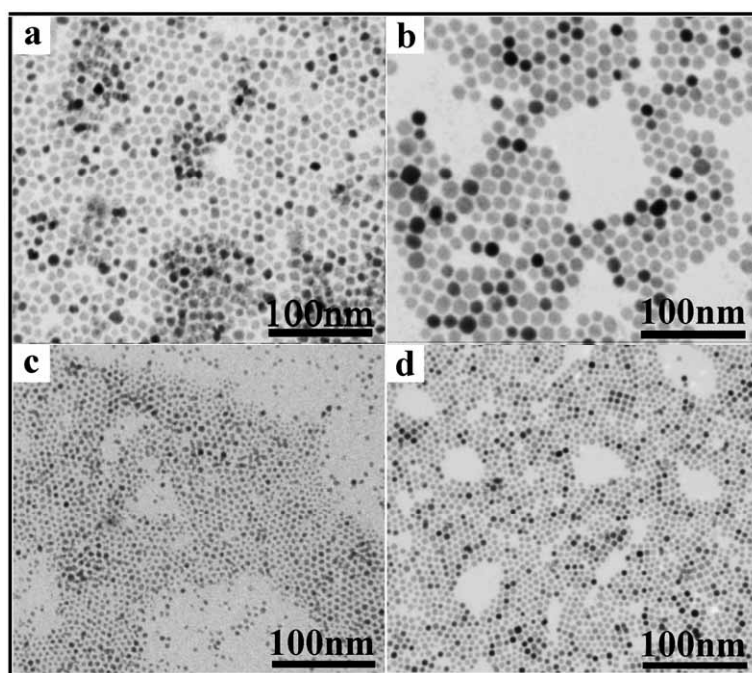


Figure S2. TEM images of PbS nanoparticles synthesized by using individual amines at different reaction temperatures. (a) OLA, room temperature; (b) OLA, 200 °C; (c) OA, room temperature; (d) OA, 100 °C.

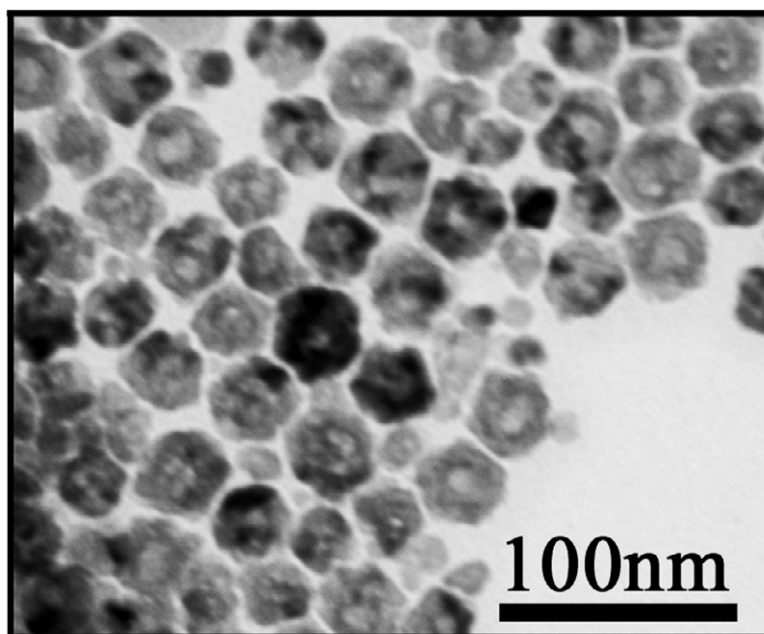


Figure S3. TEM image of hollow PbS nanostructures obtained at 100 °C for 30 min.

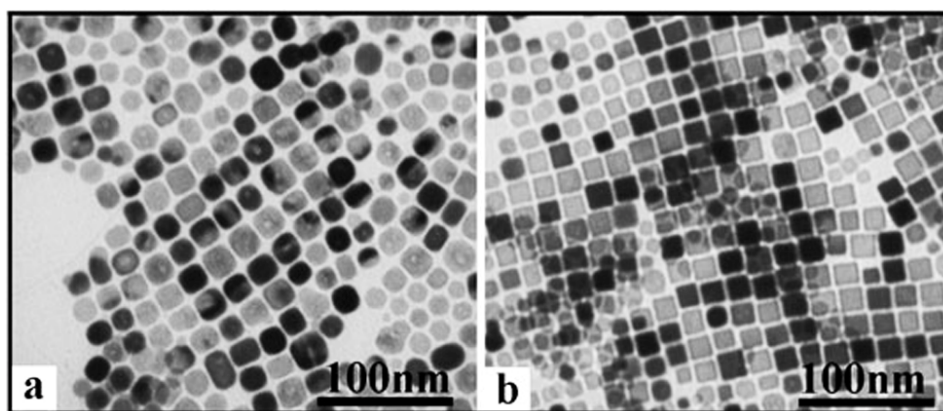


Figure S4. (a) TEM image of polydisperse cube-like solid and hollow PbS particles obtained at 150 °C for 45 min. (b) TEM image of polydisperse cube-like solid PbS particles obtained at 150 °C for 60 min.