

Aqueous phase one-pot green synthesis of SnSe nanosheets in protein matrix: negligible cytotoxicity and room temperature emission in the visible region

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Supplementary information

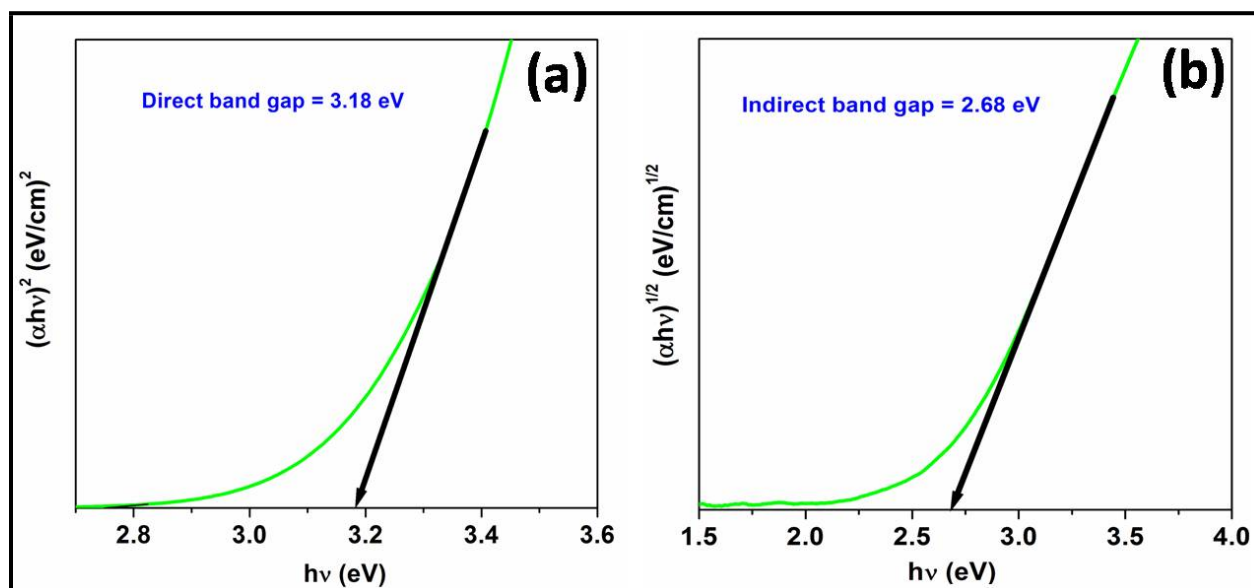


Fig.S1.Tauc plot for determining the (a) direct band gap and (b) indirect band gap energy values of tin selenide nanoparticles.

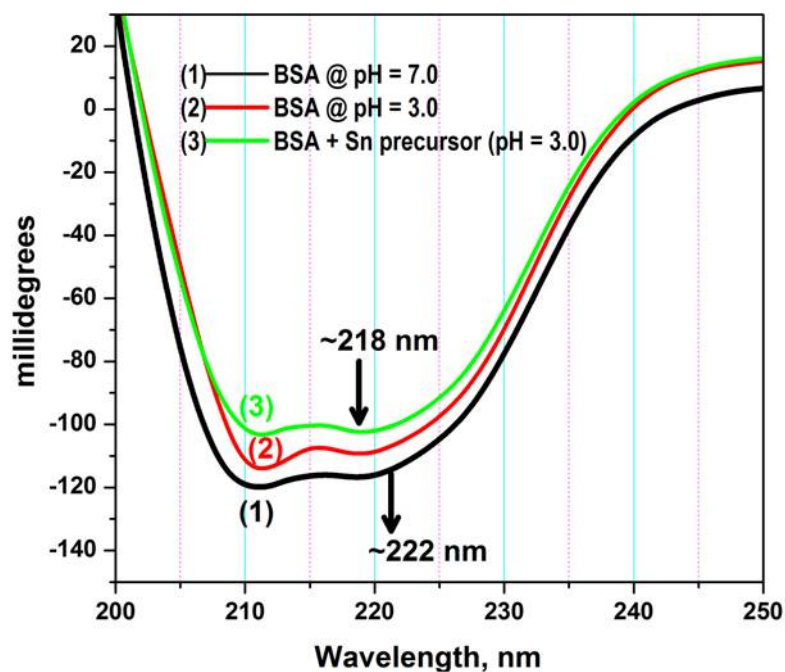


Fig.S2. CD spectra of solutions: BSA @ pH = 7.0 (1), BSA @ pH = 3.0 (2), BSA + precursor solution of Sn (3).

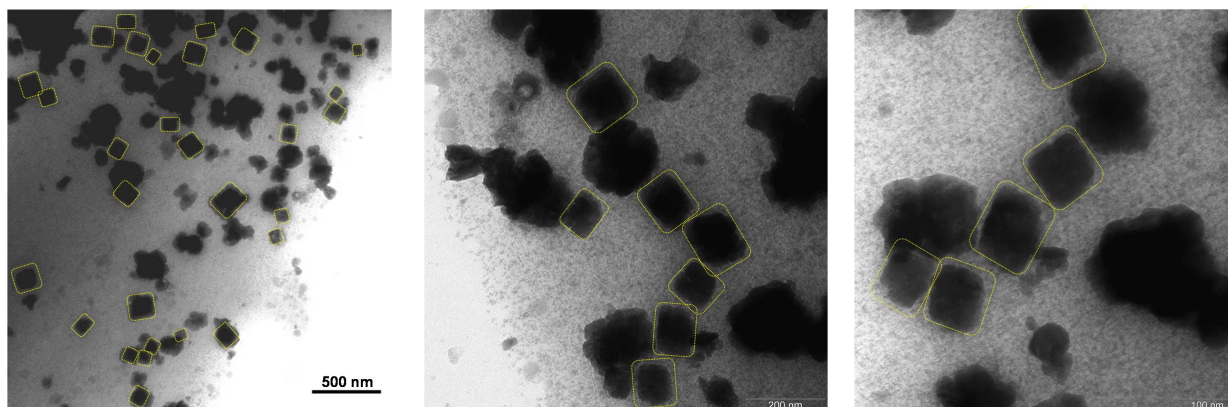


Fig.S3. TEM images recored at different magnification and grid areas showing the formation of sheet-like nanostructures of SnSe.

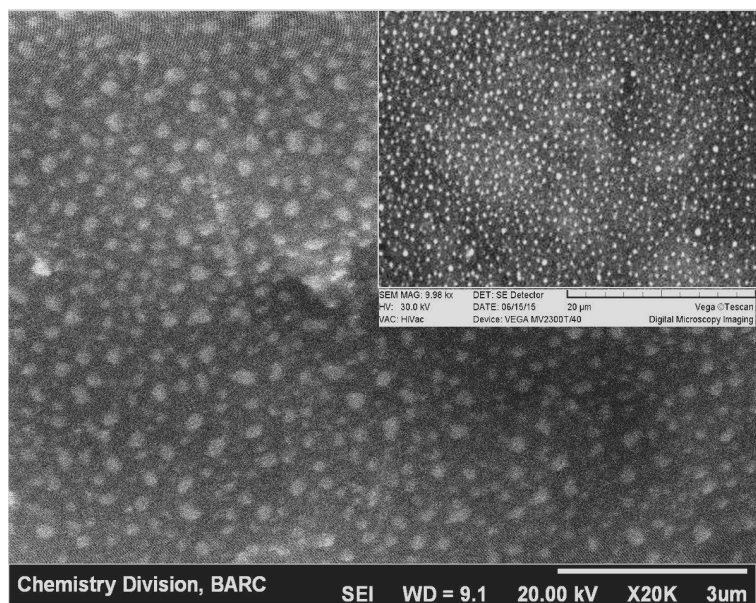


Fig.S4. SEM image showing the formation of sheet-like nanostructures of SnSe. Inset: SEM image at lower magnification (*scale bar: 20 μm*)