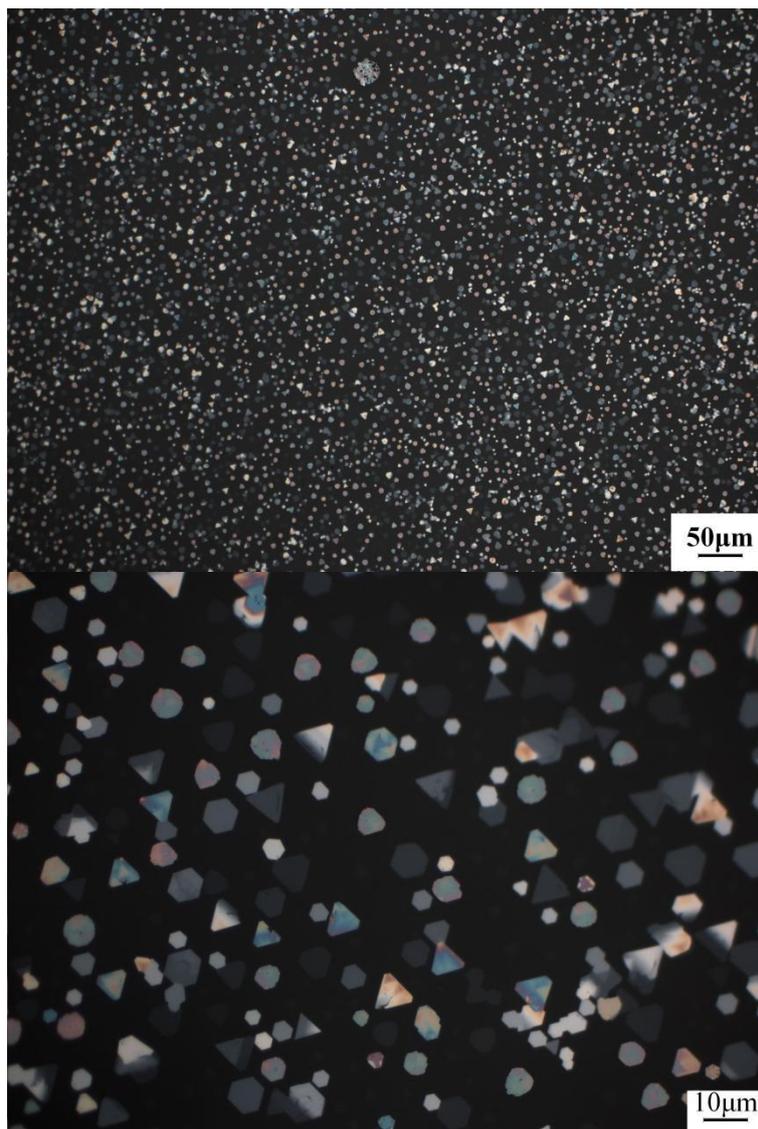


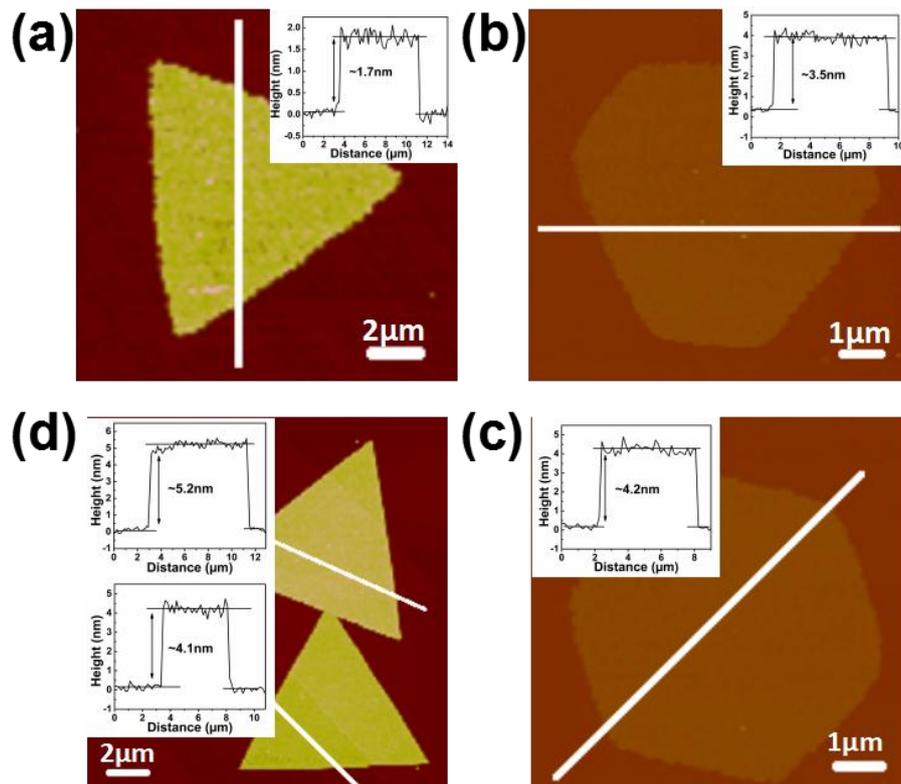
## Supplementary Materials

# Synthesis and Surface-Enhanced Raman Scattering of Ultrathin SnSe<sub>2</sub> Nanoflakes by Chemical Vapor Deposition

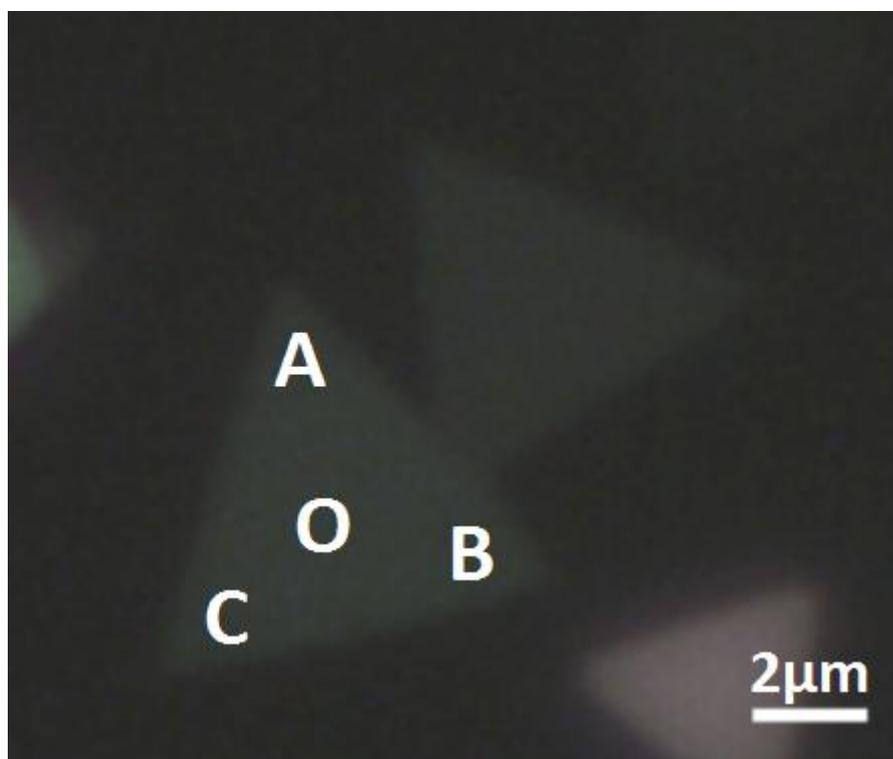
Yongheng Zhang <sup>1</sup>, Ying Shi <sup>1</sup>, Meimei Wu <sup>1</sup>, Kun Zhang <sup>1</sup>, Baoyuan Man <sup>1</sup> and Mei Liu <sup>1,2,\*</sup>



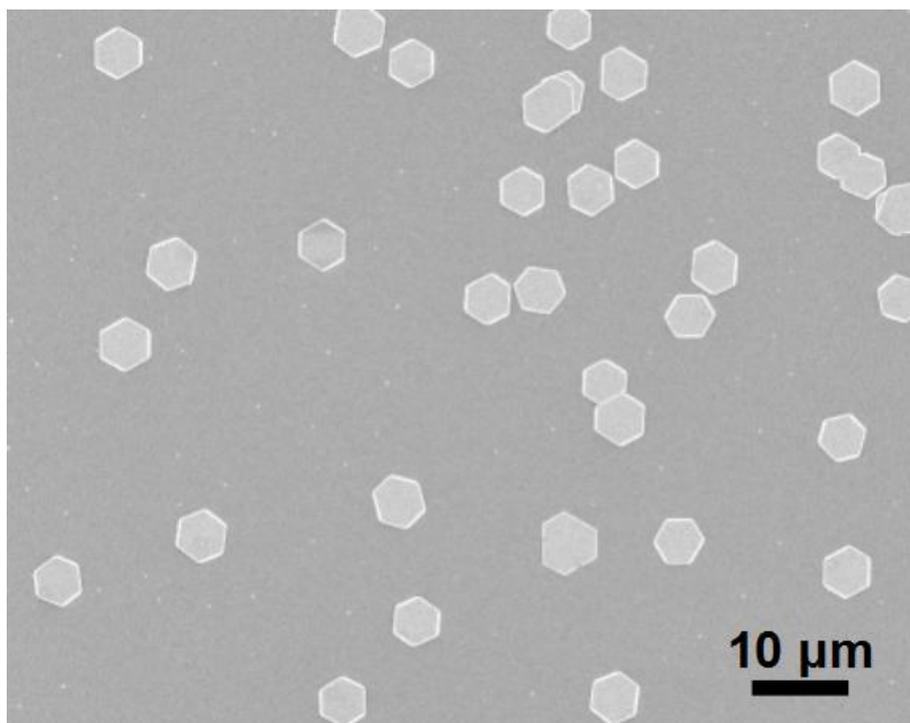
**Figure S1.** Large-scale optical images of the as-synthesized SnSe<sub>2</sub> nanoflakes.



**Figure S2.** AFM images of SnSe<sub>2</sub> nanoflakes with different thickness. The insets show the corresponding height profiles.



**Figure S3.** The Raman optical image of triangular nanoflakes, The Raman spectra corresponding to four positions are found in Figure 4c.



**Figure S4.** SEM image of SnSe<sub>2</sub> nanoflakes in higher pressure.