

Supplementary data

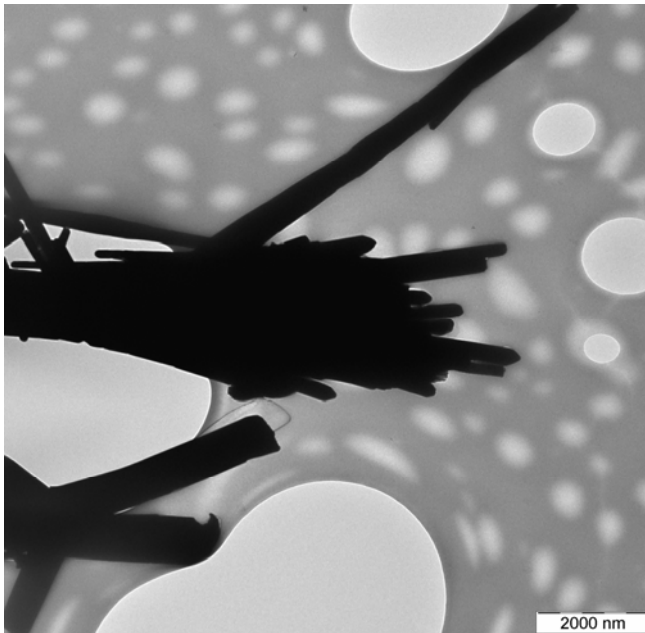


Fig.1.TEM image of  $\text{Sb}_2\text{Se}_3$  nanorods.

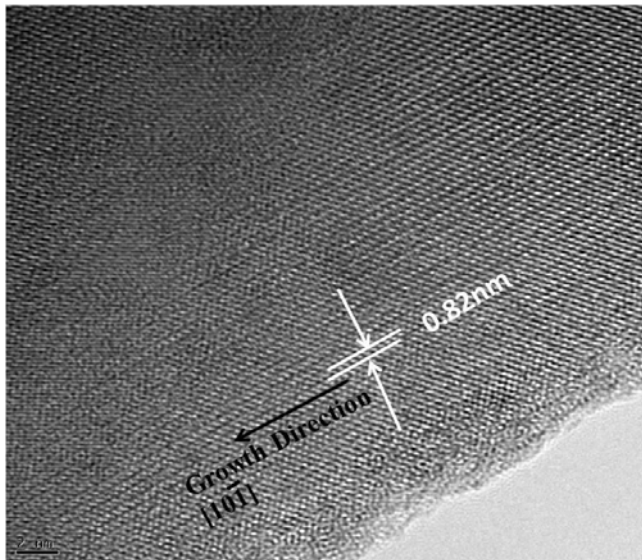


Fig.2.HRTEM image of the  $\text{Sb}_2\text{Se}_3$  nanorods.

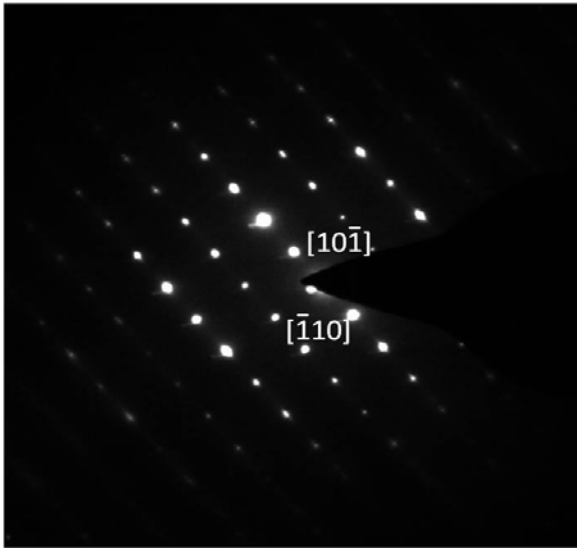


Fig.3. SAED Pattern of the Sb<sub>2</sub>Se<sub>3</sub> nanorods. The SAED zone axis is [10-1].