

Supporting Information

Synthesis and Characterization of High Purity $\text{SnO}_2(\text{ZnO}:\text{Sn})_m$ Superlattice Nanowire Arrays with Broad-spectrum Emission

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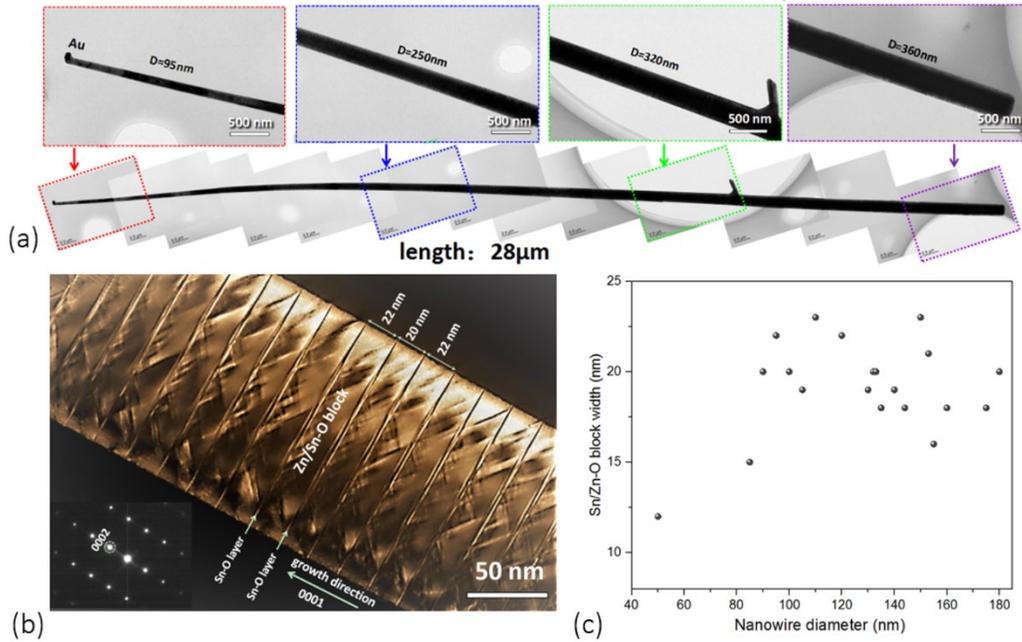


Fig. S1 (a) ultra-long $\text{SnO}_2(\text{ZnO}:\text{Sn})_m$ nanowire with a tapered tip. (b) TEM image of part of the superlattice nanowire with periodicity around 20 nm. (c) Sn/Zn-O block width distribution along the nanowire.

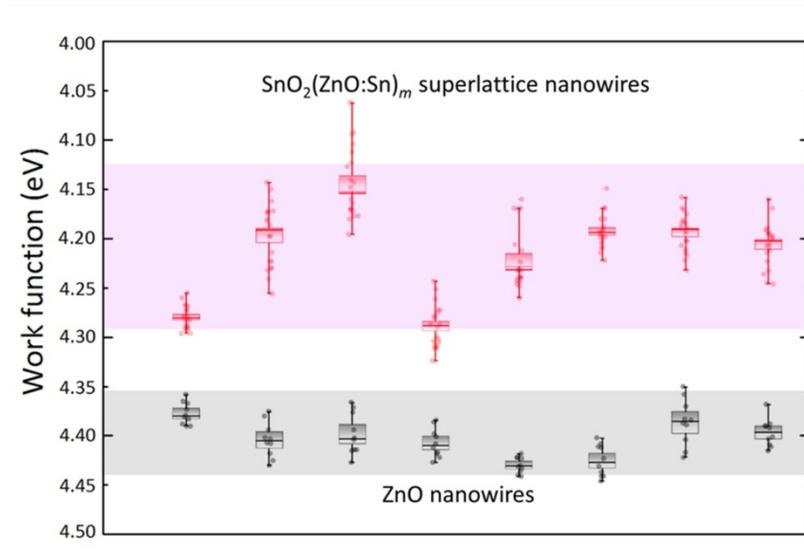


Fig. S2 Work function of $\text{SnO}_2(\text{ZnO}:\text{Sn})_m$ and ZnO nanowires at different position.