

## Supporting Information

### **In<sub>2</sub>Se<sub>3</sub> Nanocubes as High Current Density Cold Cathode Material**

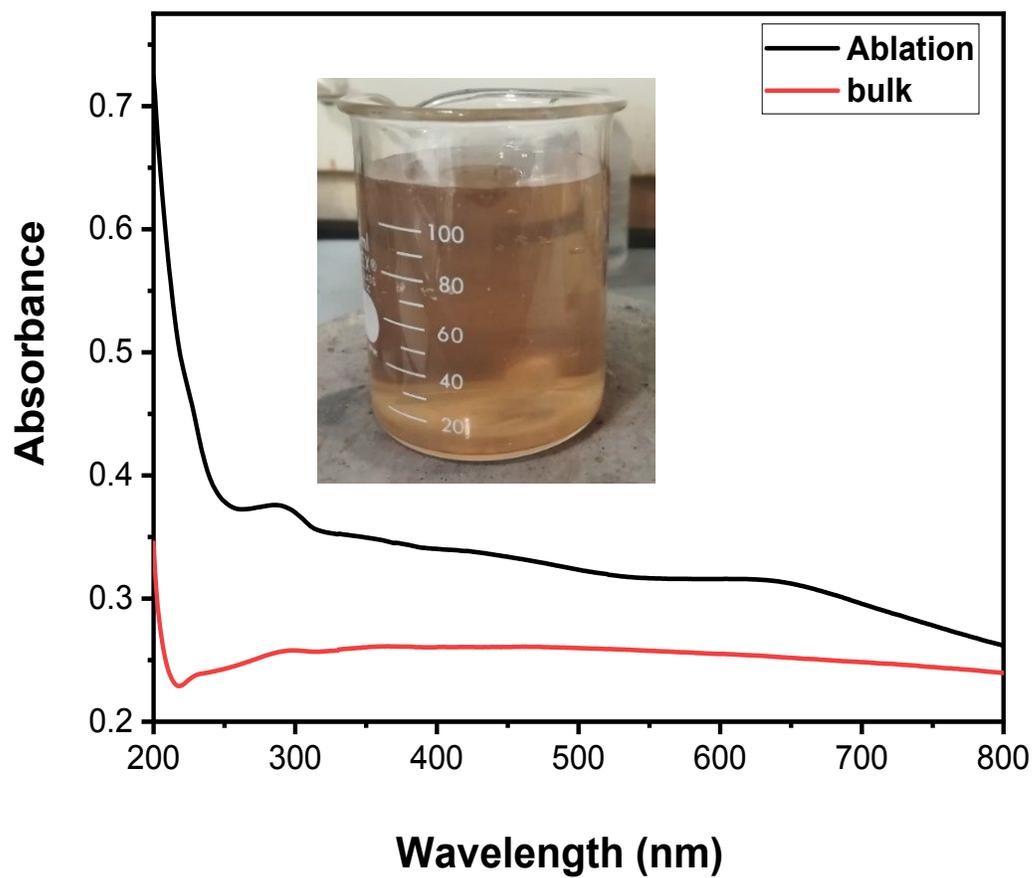
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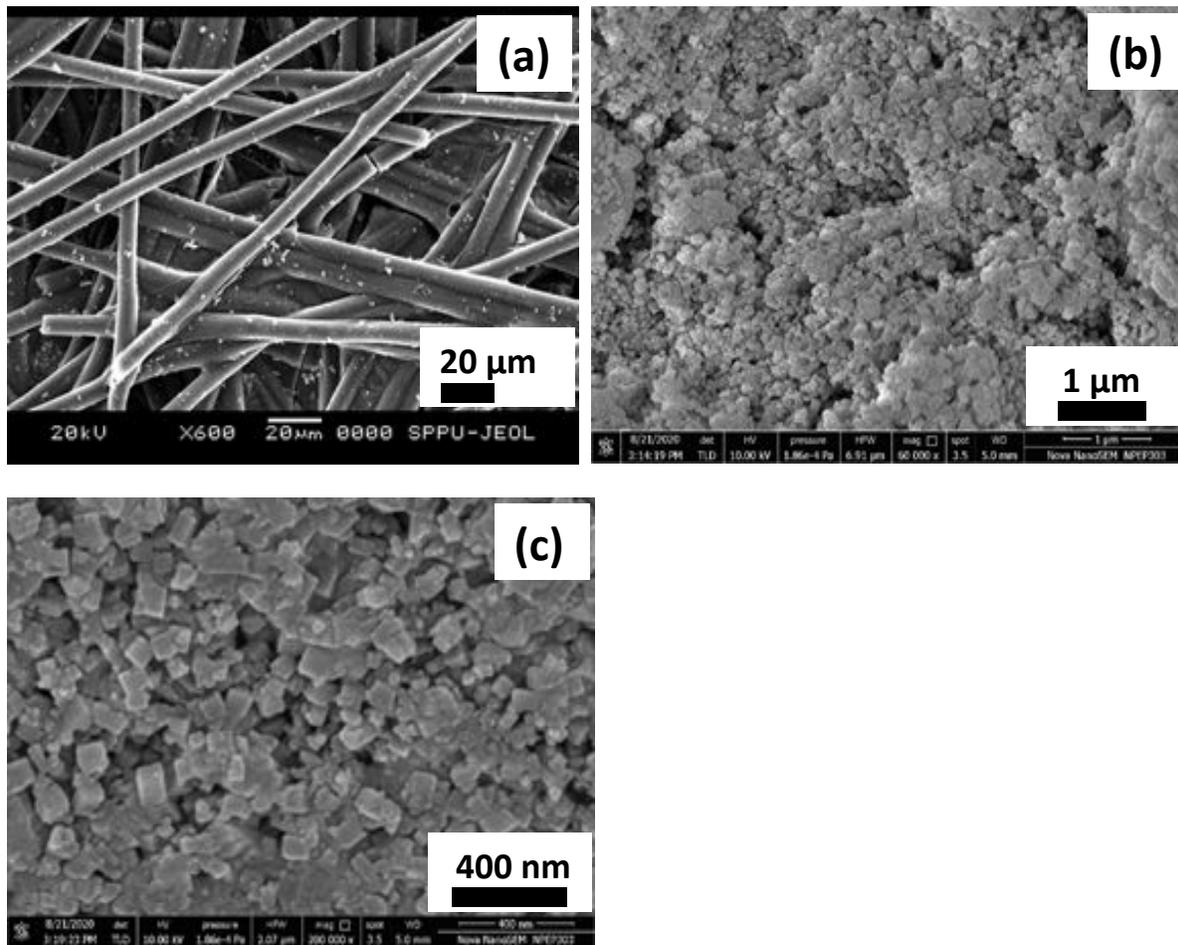
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**Figure S1:** UV-Vis absorption spectra of bulk In<sub>2</sub>Se<sub>3</sub> and laser-ablated cubical In<sub>2</sub>Se<sub>3</sub> sample.



**Figure S2:** SEM images of (a) carbon tape, and (b and c) In<sub>2</sub>Se<sub>3</sub> nanocubes coated carbon tape emitter recorded at different magnifications.