

## Electronic Supporting Information

### **The effect of the metal and selenium precursors on the properties of NbSe<sub>2</sub> and Nb<sub>2</sub>Se<sub>9</sub> nanostructures and their application in dye-sensitized solar cells**

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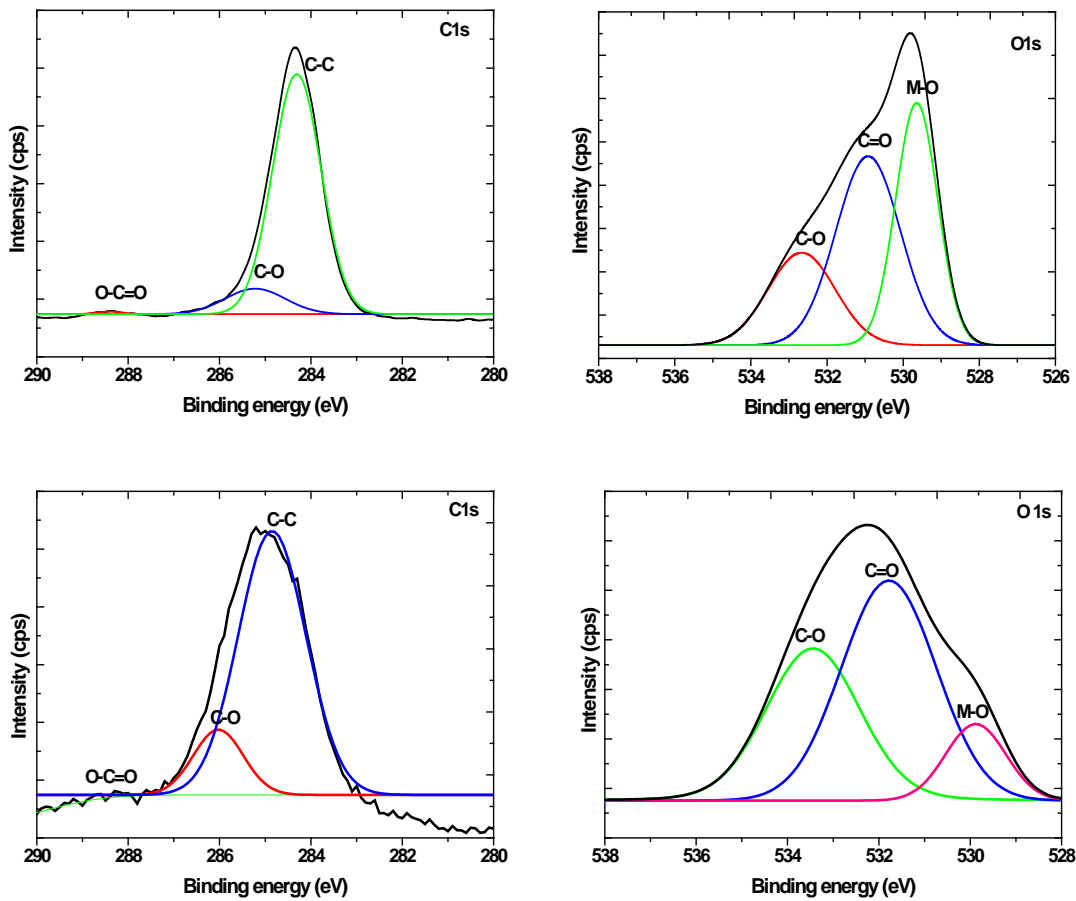
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**Fig. 1S: C1s and O1s high resolution spectra for NbSe<sub>2</sub> and Nb<sub>2</sub>Se<sub>9</sub> when varying the niobium precursors.**

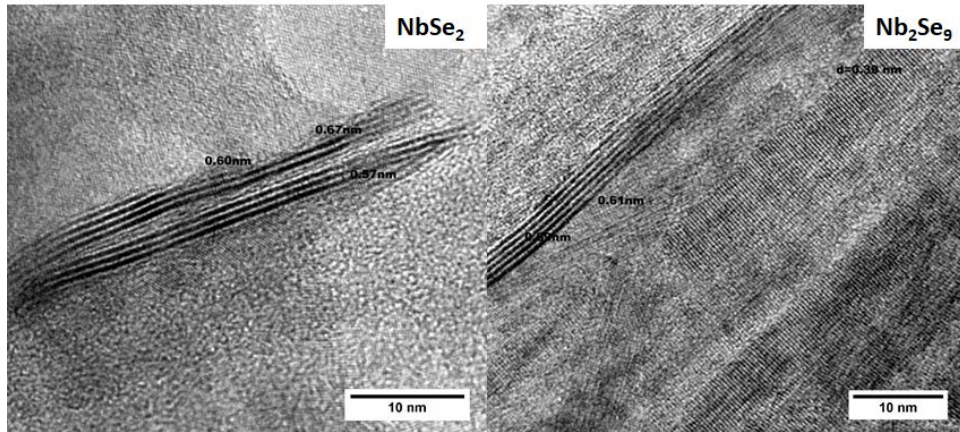
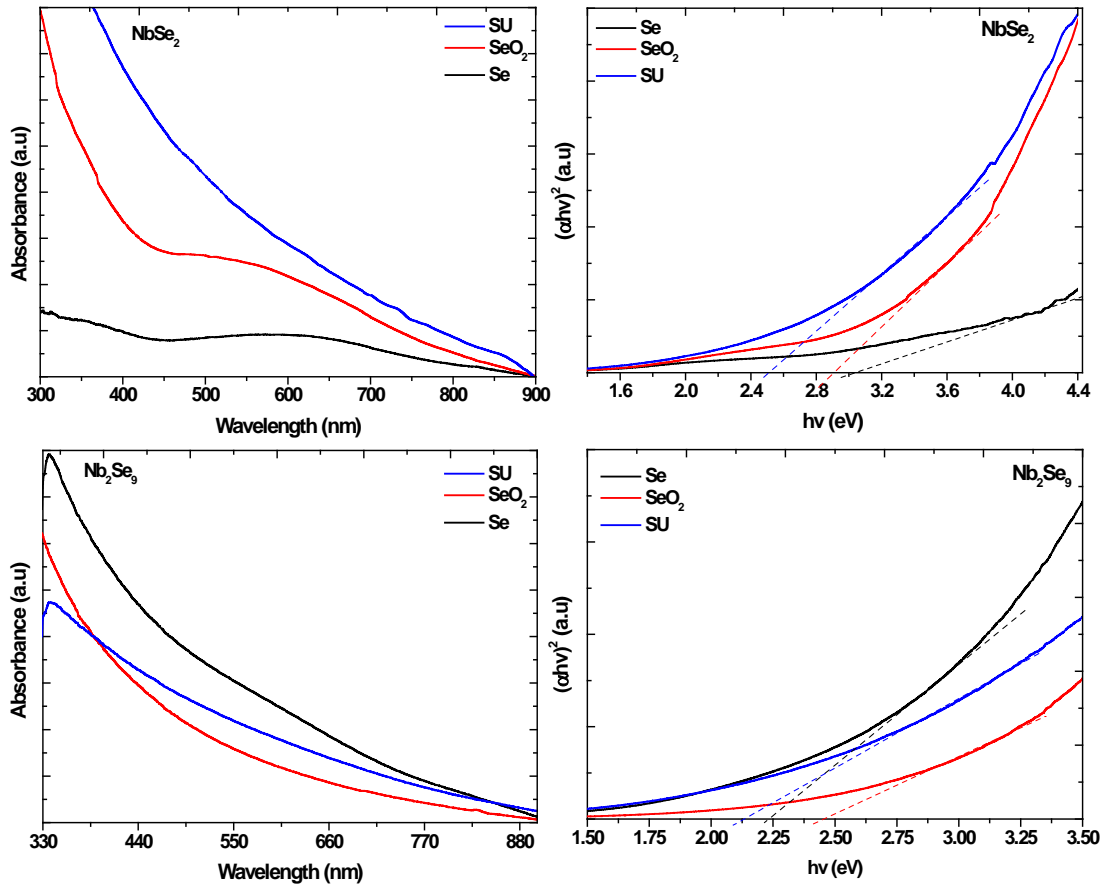


Fig. 2S: HRTEM of  $\text{NbSe}_2$  and  $\text{Nb}_2\text{Se}_9$  when varying the selenium precursors.



**Fig. 3S: UV-vis absorption spectra for NbSe<sub>2</sub> and Nb<sub>2</sub>Se<sub>9</sub> when varying the selenium precursors.**