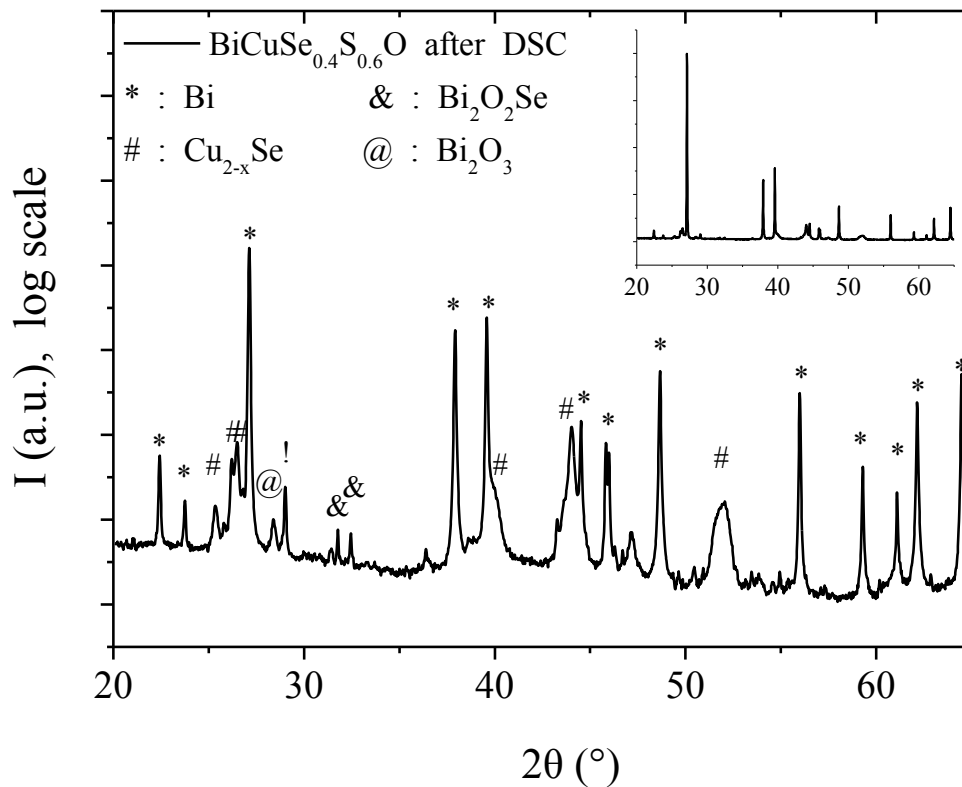
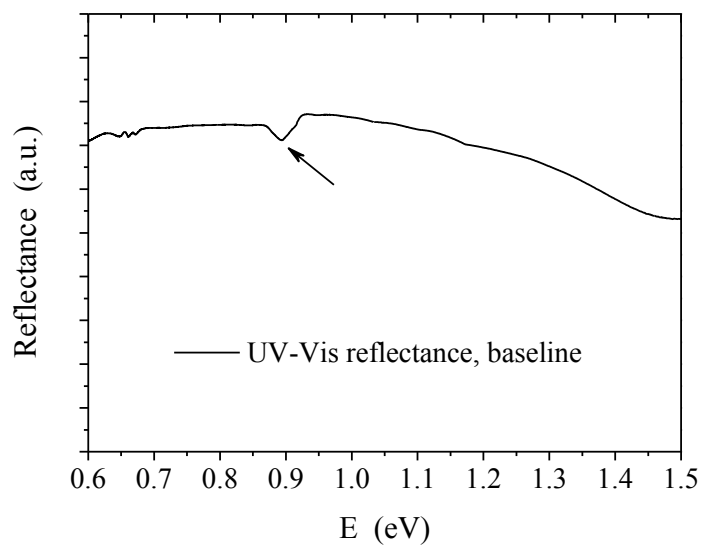


## Supplementary Materials



**Figure S1.** XRD pattern of BiCuSe<sub>0.4</sub>S<sub>0.6</sub>O after the DSC treatment, with a tentative assignment of the peaks. Inset: same XRD pattern in linear scale.



**Figure S2.** Baseline of the UV-Vis reflectance spectra.