

Supporting Information:

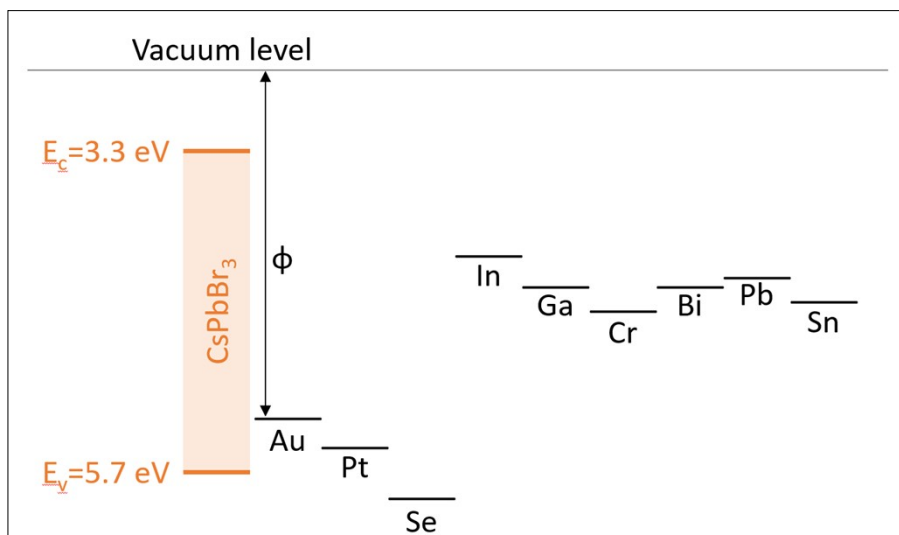


Figure S1. Energy band diagram of CsPbBr<sub>3</sub> and work function of different metal contacts.

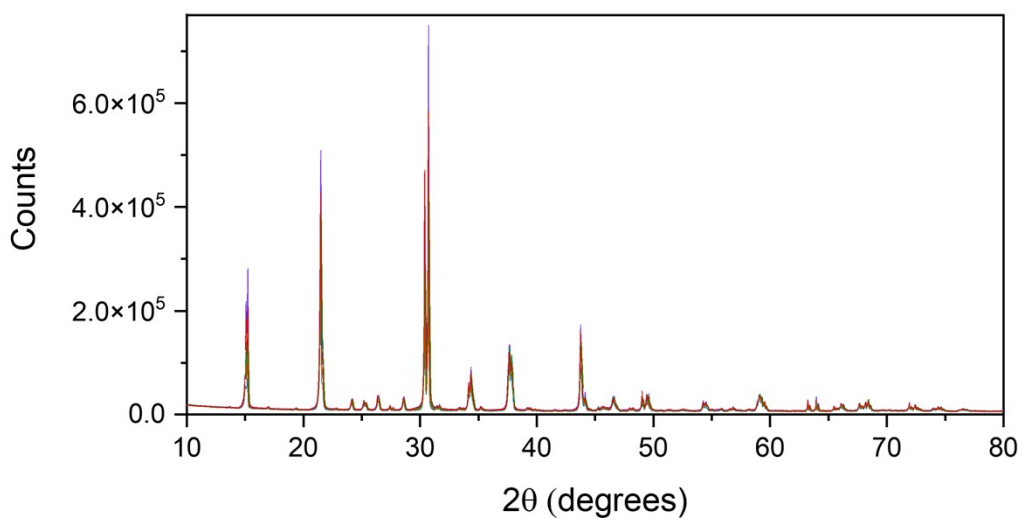


Figure S2. Powder XRD plot of a series of parallel crystal. The peak positions are consistent with an orthorhombic crystal structure.