

Supporting Information

Eco-Friendly $K_2NaInBr_6$ Double Halide as a Next-Generation Absorber for Perovskite Solar Cells: A DFT and SCAPS-1D Study

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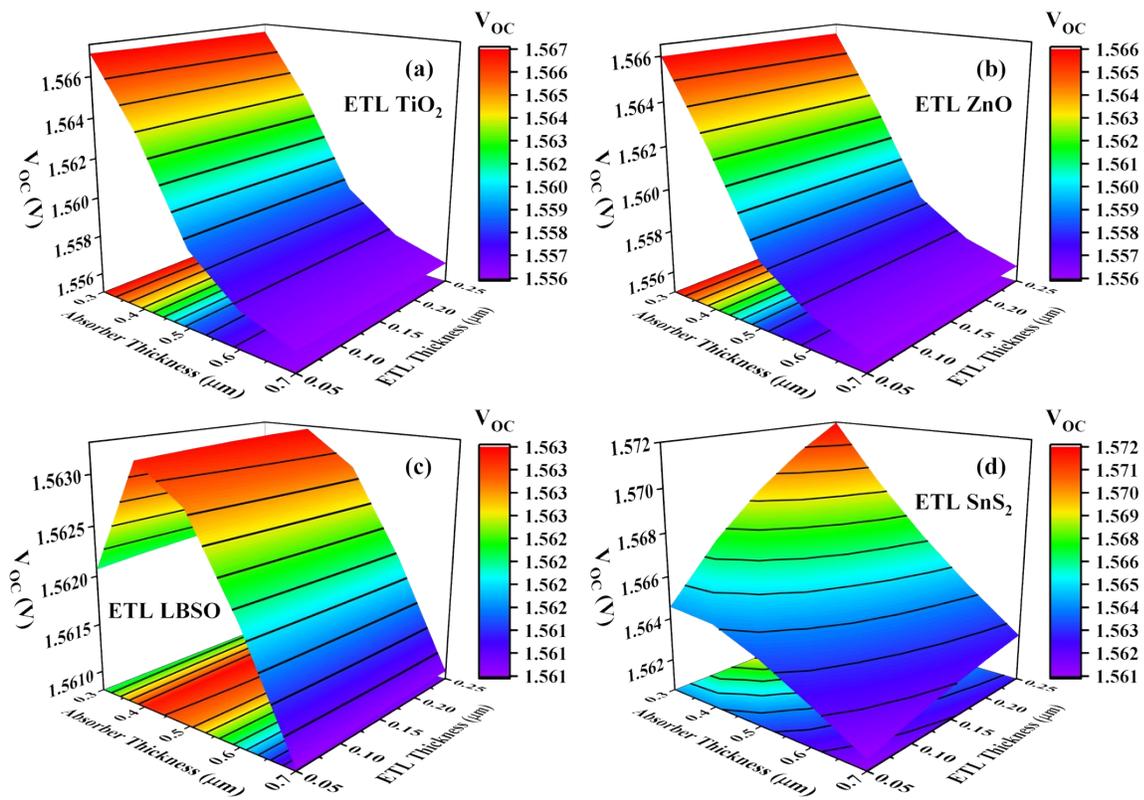


Figure S1. Effect of the variation in ETL and absorber thickness on V_{oc} .

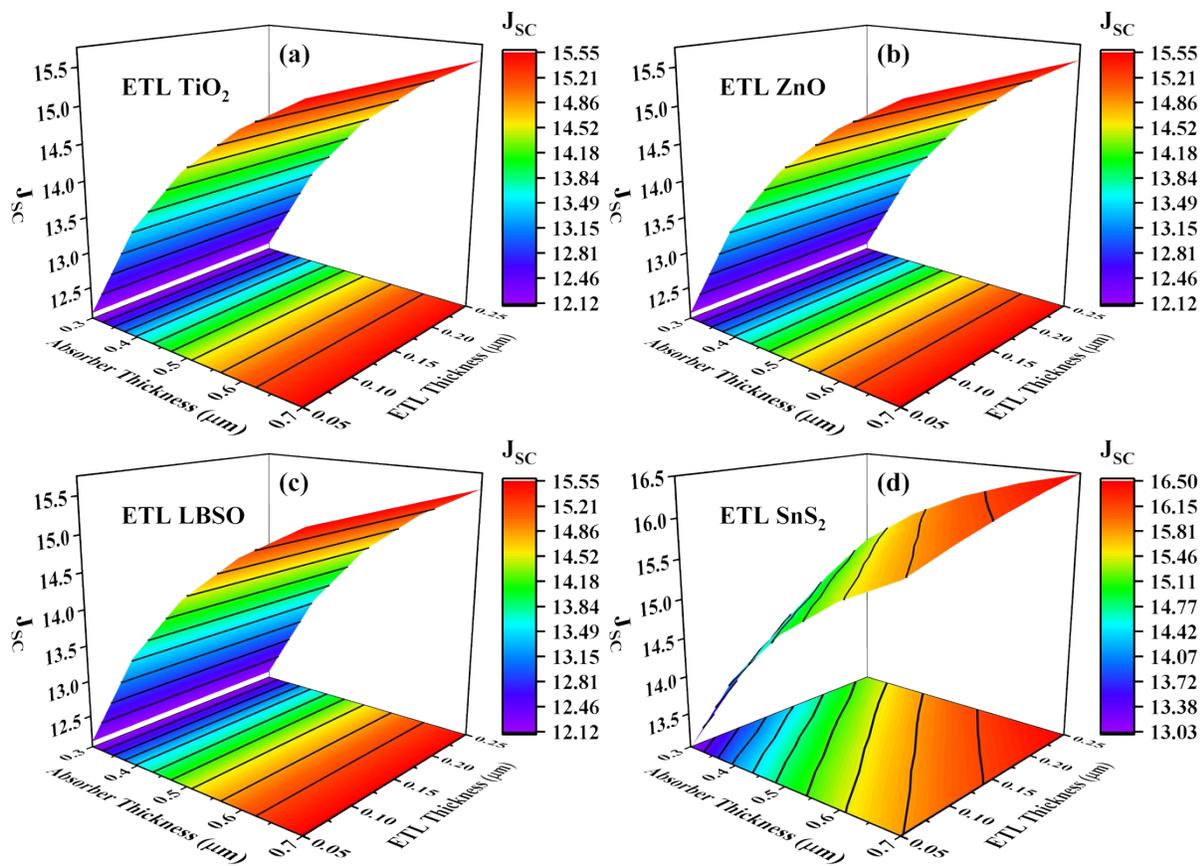


Figure S2. Effect of the variation in ETL and absorber thickness on J_{sc} .

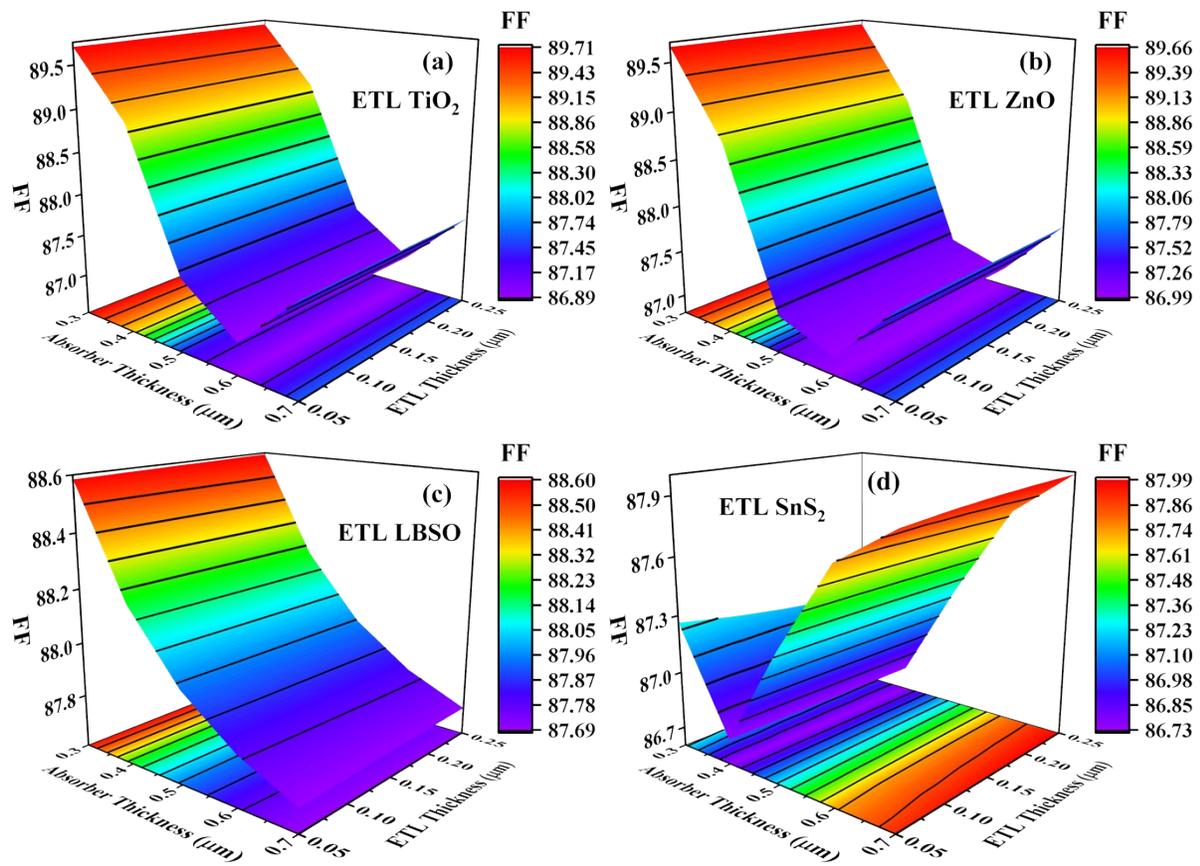


Figure S3. Effect of the variation in ETL and absorber thickness on FF.

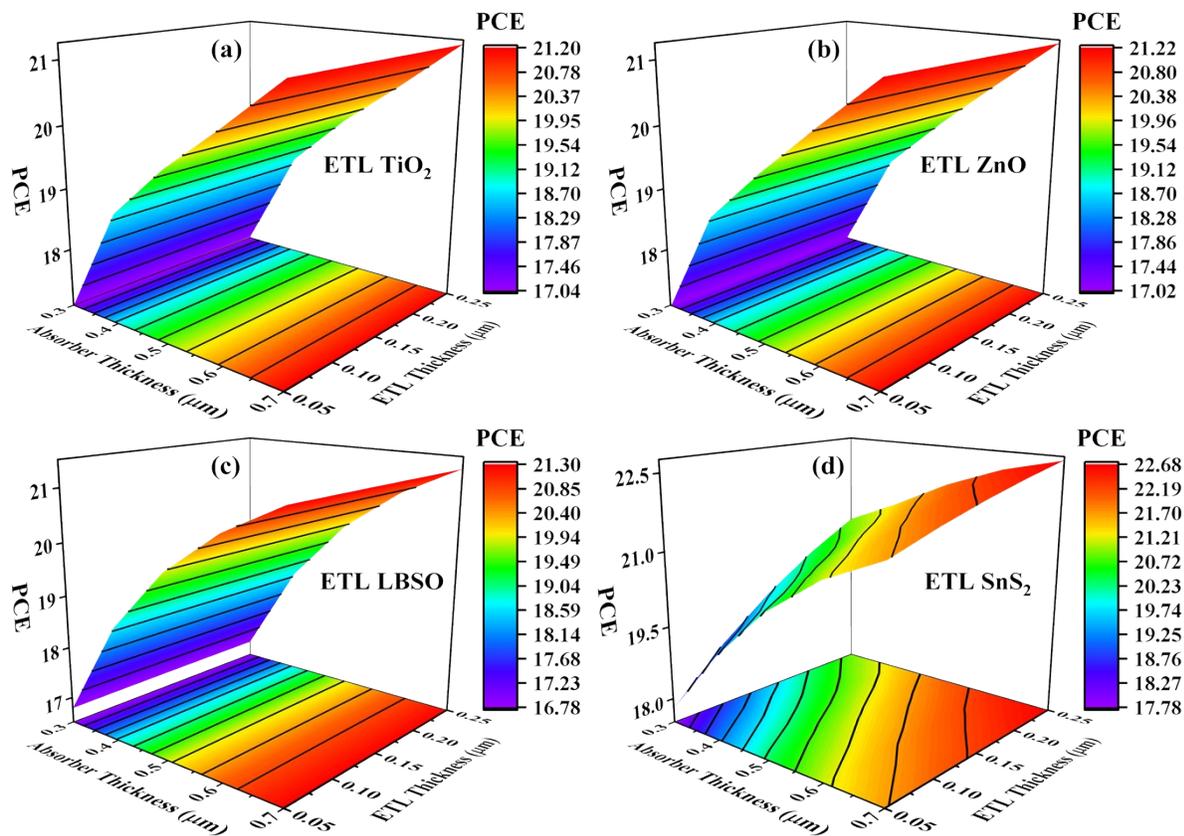


Figure S4. Effect of the variation in ETL and absorber thickness on PCE.

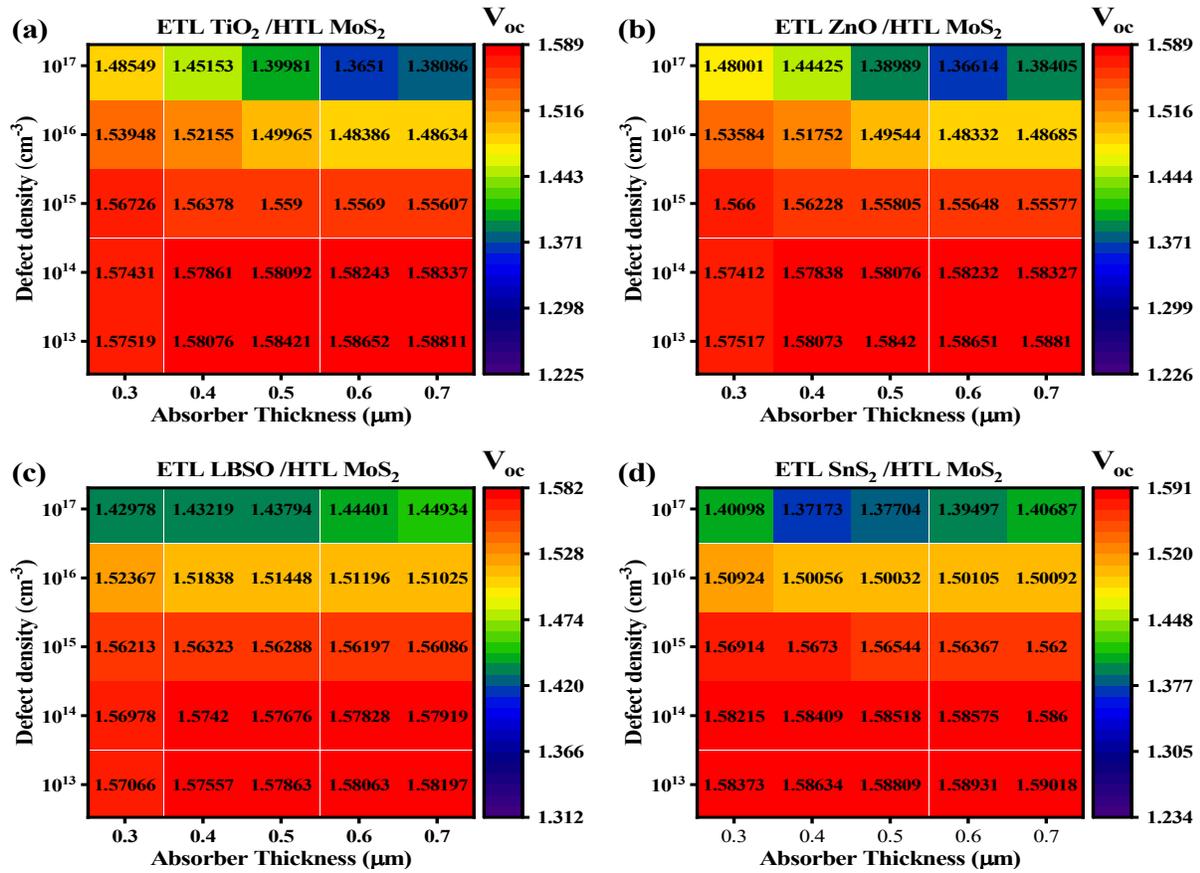


Figure S5. Effect of the variation in absorber thickness and defect density on V_{OC} .

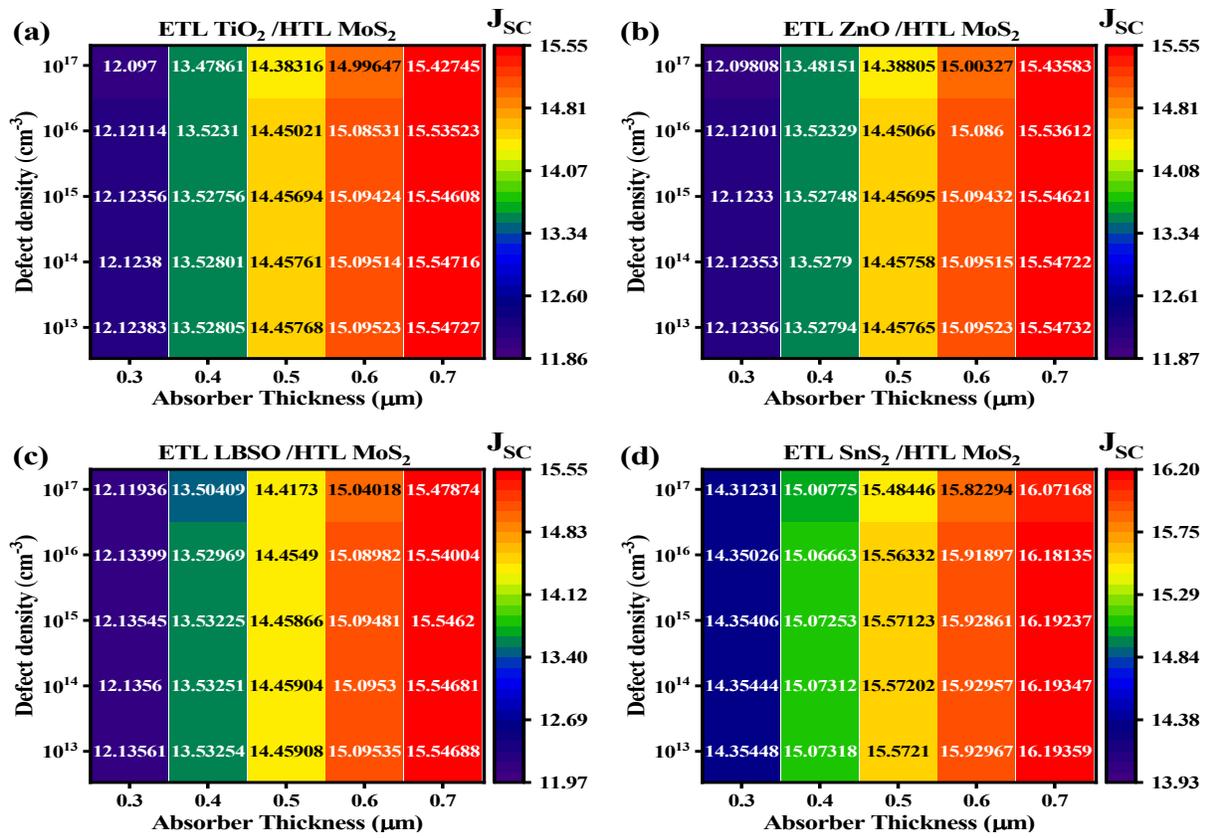


Figure S6. Effect of the variation in absorber thickness and defect density on J_{SC} .

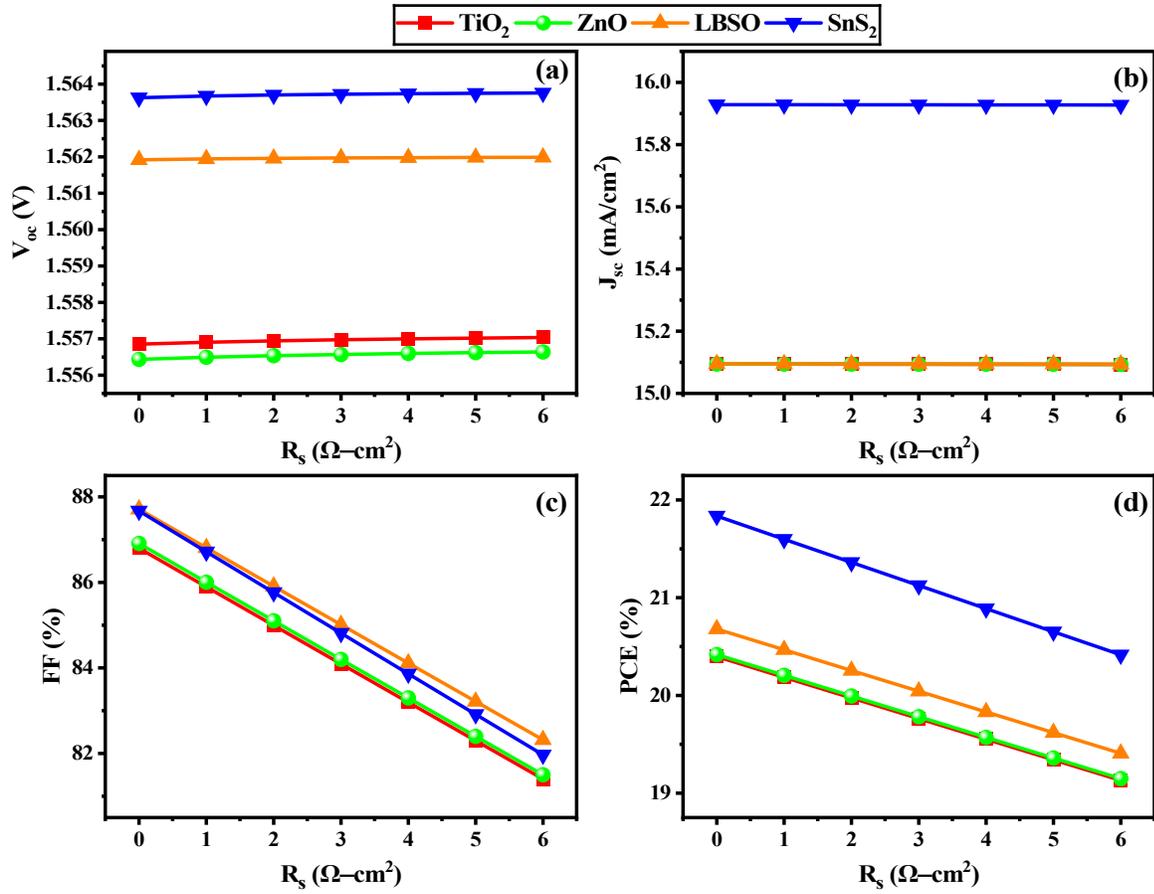


Figure S7. Influence of series resistance on PV parameters (a) V_{oc} , (b) J_{sc} , (c) FF, and (d) PCE.

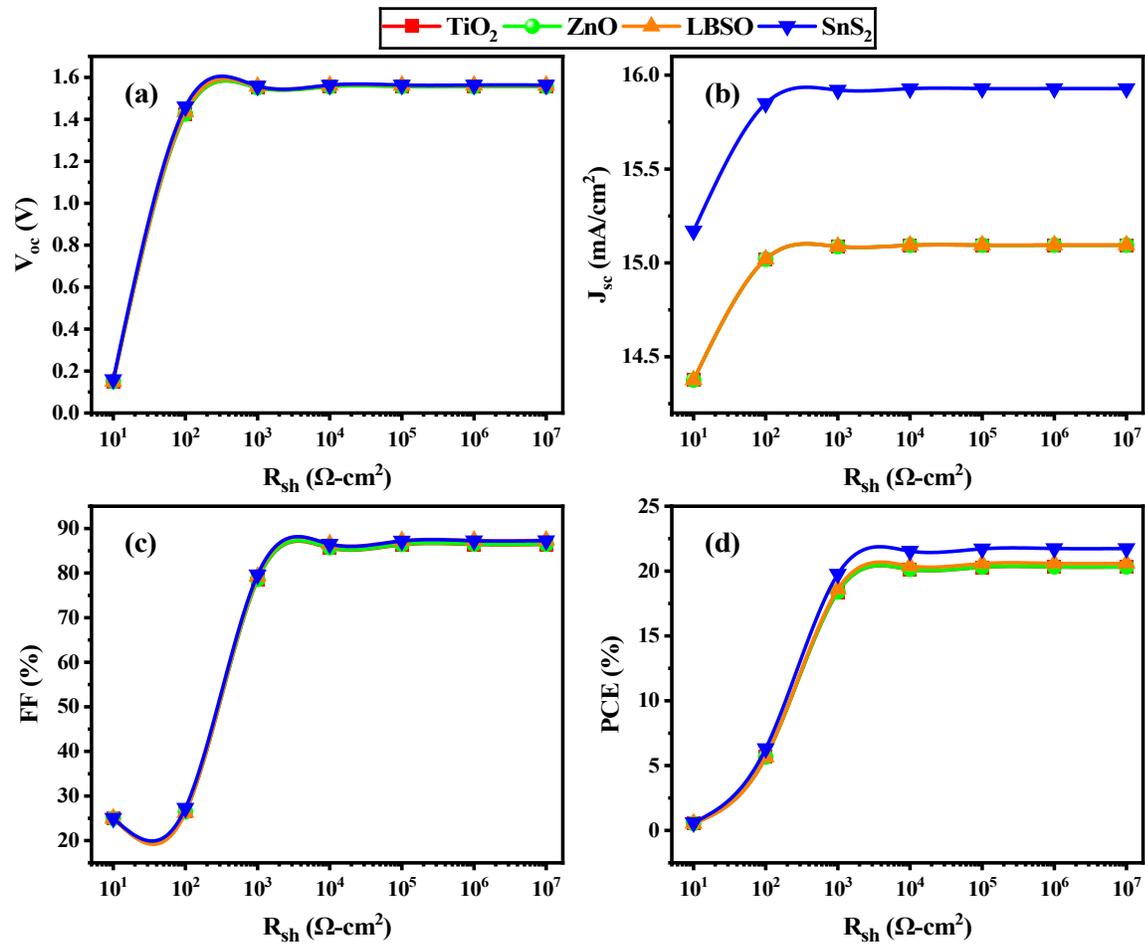


Figure S8. Influence of shunt resistance on PV parameters (a) V_{oc} , (b) J_{sc} , (c) FF, and (d) PCE.

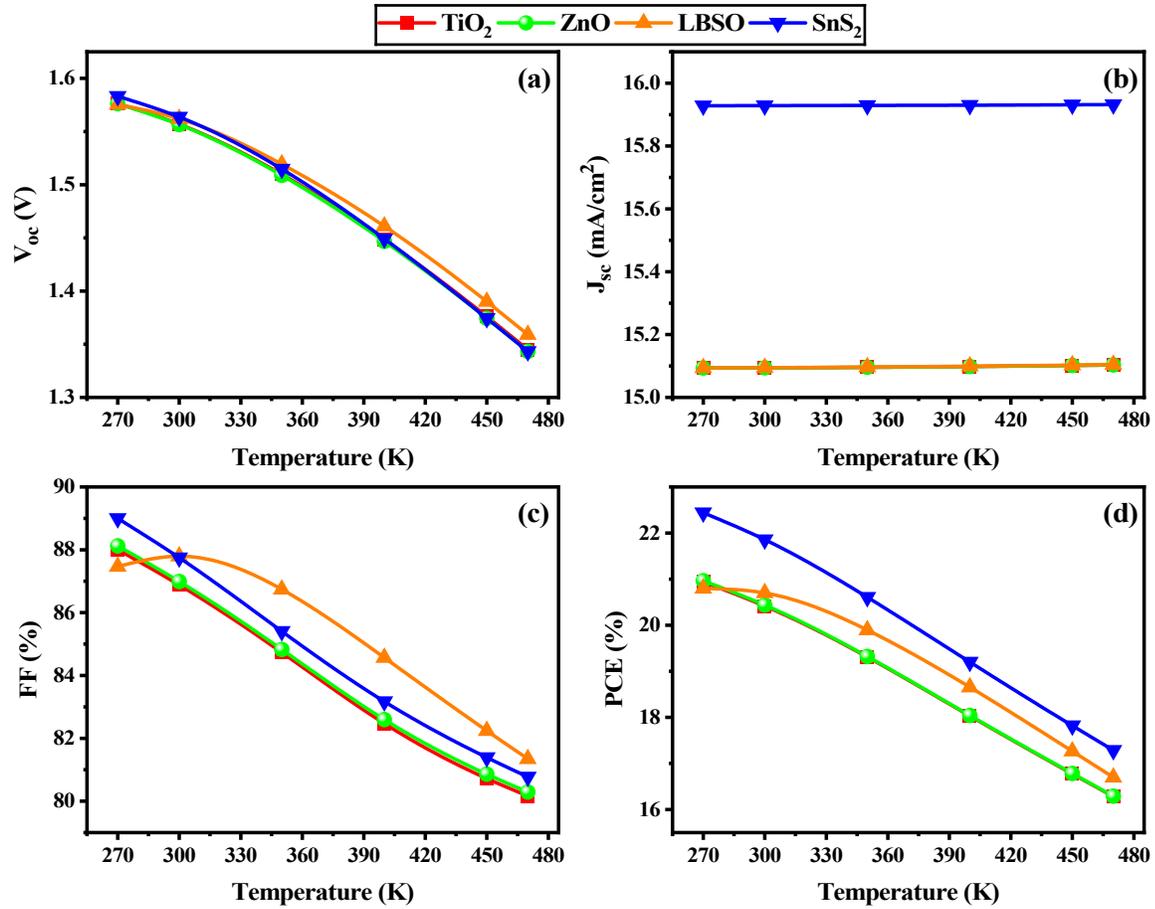


Figure S9. Influence of shunt resistance on PV parameters (a) V_{oc}, (b) J_{sc}, (c) FF, and (d) PCE.