

Supplementary information

High-efficient *n*-type PbTe developed by advanced electronic structure engineering

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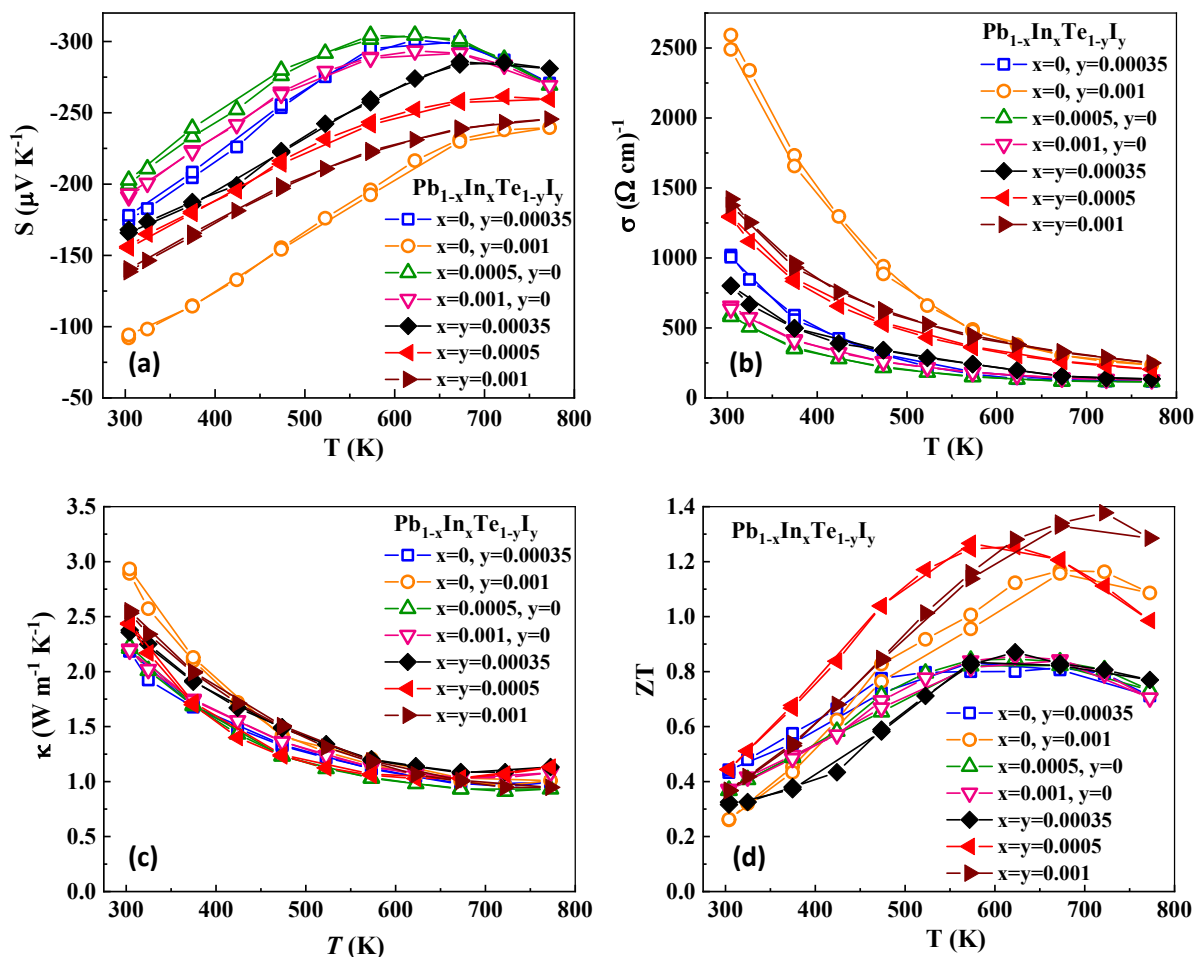


Fig. S1. Heating and cooling of Seebeck coefficient (a), electrical conductivity (b), power factor (c) and dimensionless figure of merit ZT (d) as a function of temperature for $\text{Pb}_{1-x}\text{In}_x\text{Te}_{1-y}\text{I}_y$.

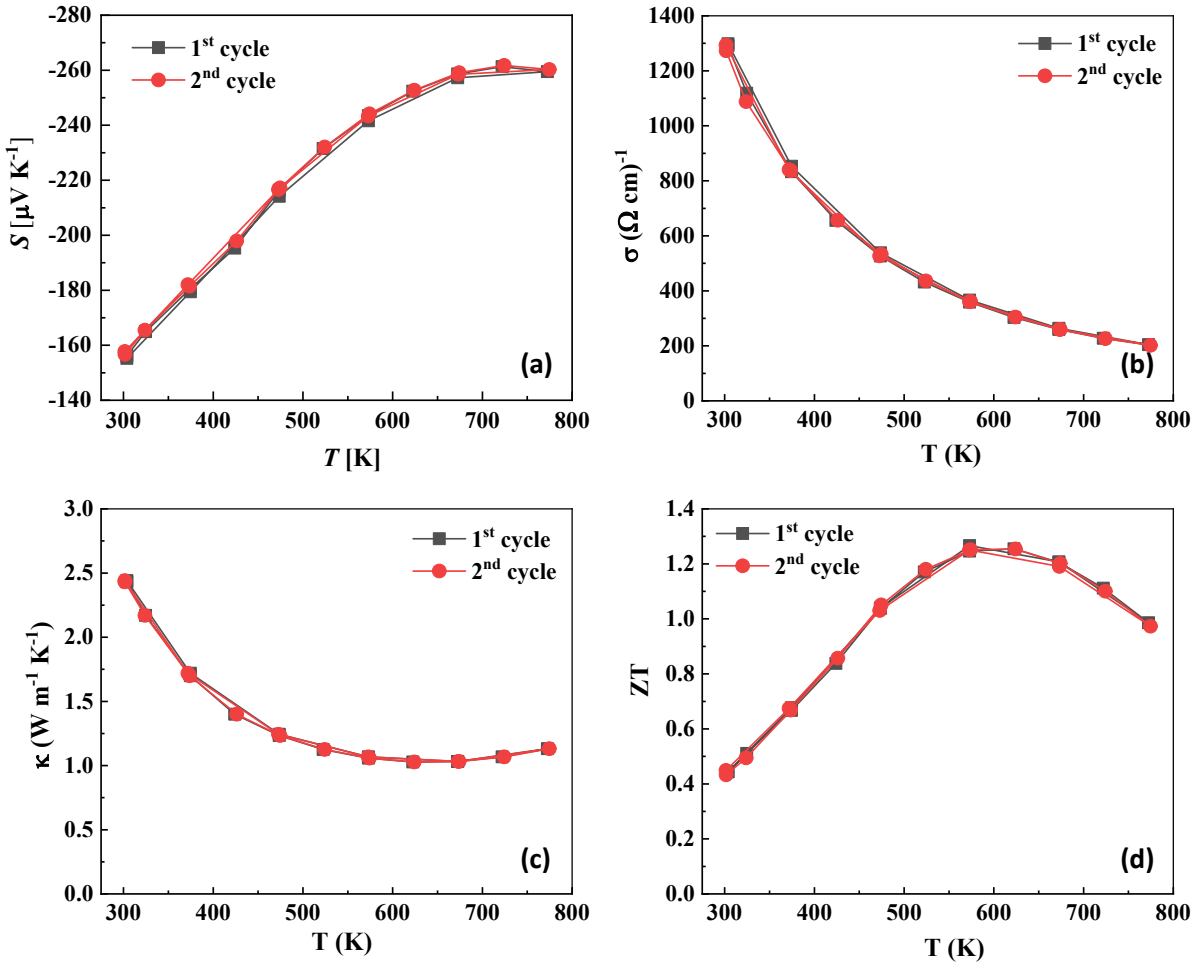


Fig. S2. Cycle measurements of Seebeck coefficient (a), electrical conductivity (b), power factor (c) and dimensionless figure of merit ZT (d) as a function of temperature for $\text{Pb}_{1-x}\text{In}_x\text{Te}_{1-y}\text{I}_y$ ($x = y = 0.0005$) sample.