

Supporting Information

Chalcopyrite ZnSnSb₂: A Promising Thermoelectric Material

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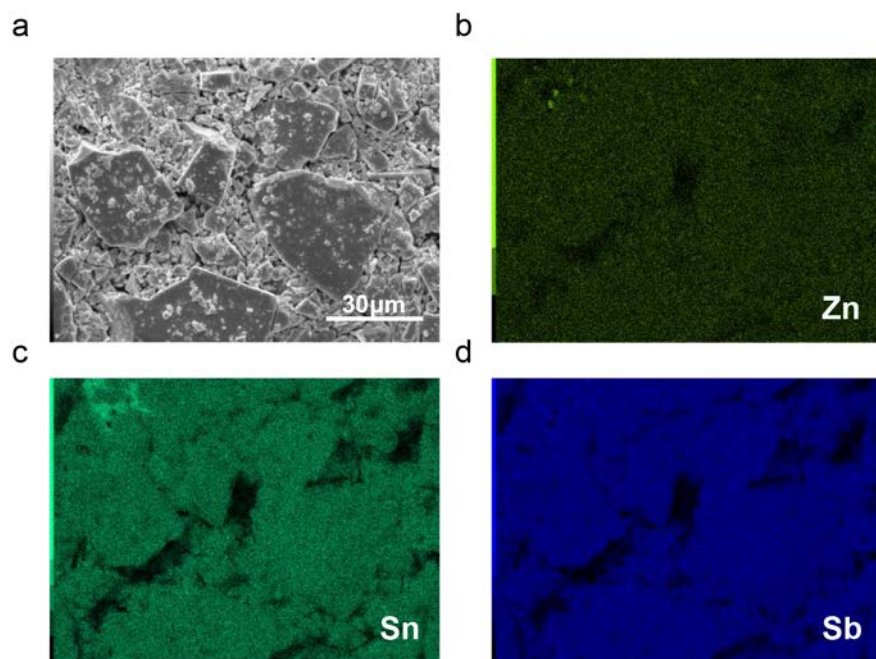


Figure S1. (Color online) (a) FE-SEM image and elemental maps of (b) Zn, (c) Sn, and (d) Sb for powdered ZnSnSb_2 . The composition of ZnSnSb_2 determined by the quantitative EDX analysis was essentially $\text{Zn/Sn/Sb} = 1:1:2$.

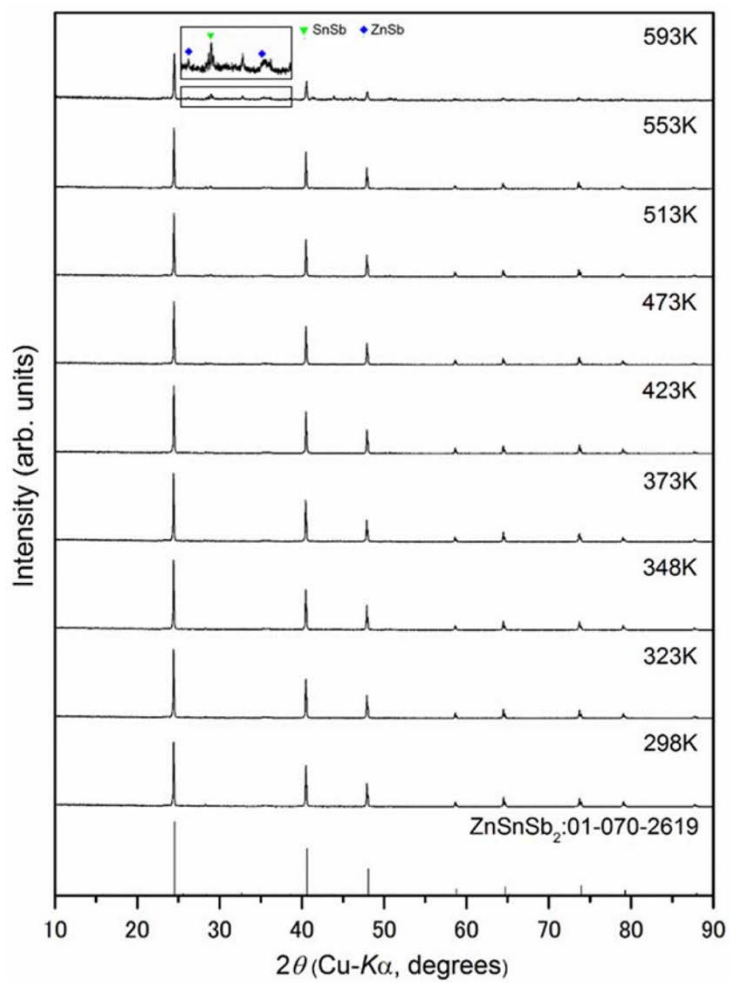


Figure S2. High-temperature XRD pattern for powdered ZnSnSb₂.

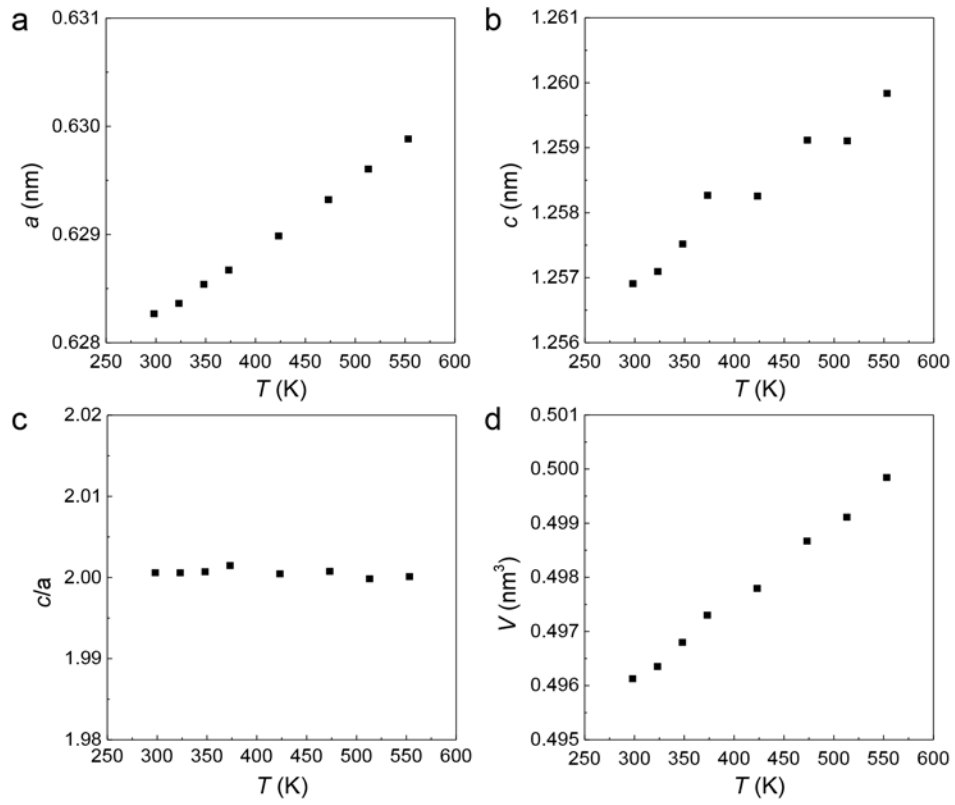


Figure S3. Temperature dependences of (a) lattice parameter, a ; (b) lattice parameter, c ; (c) lattice parameter ratio, c/a ; and (d) lattice volume, V of ZnSnSb₂ obtained by high-temperature XRD analysis.

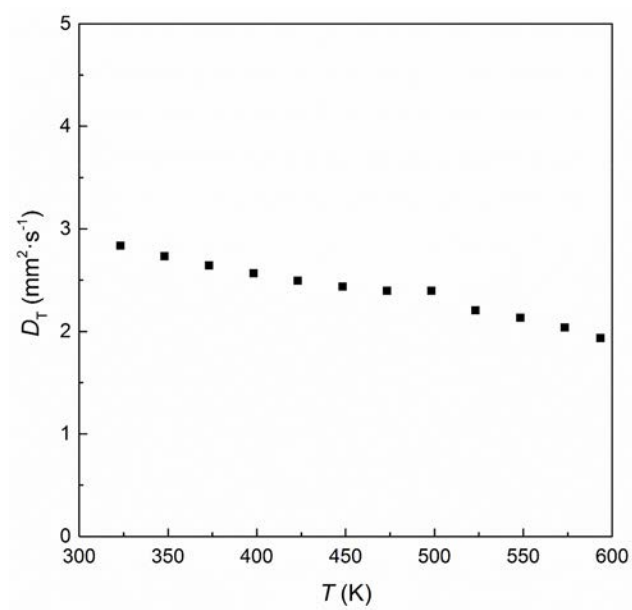


Figure S4. Temperature dependence of thermal diffusivity, D_T of ZnSnSb_2 .