

Electronic Supplementary Information

Charge-Transport in Tin-Iodide Perovskite $\text{CH}_3\text{NH}_3\text{SnI}_3$:

Origin of High Conductivity†

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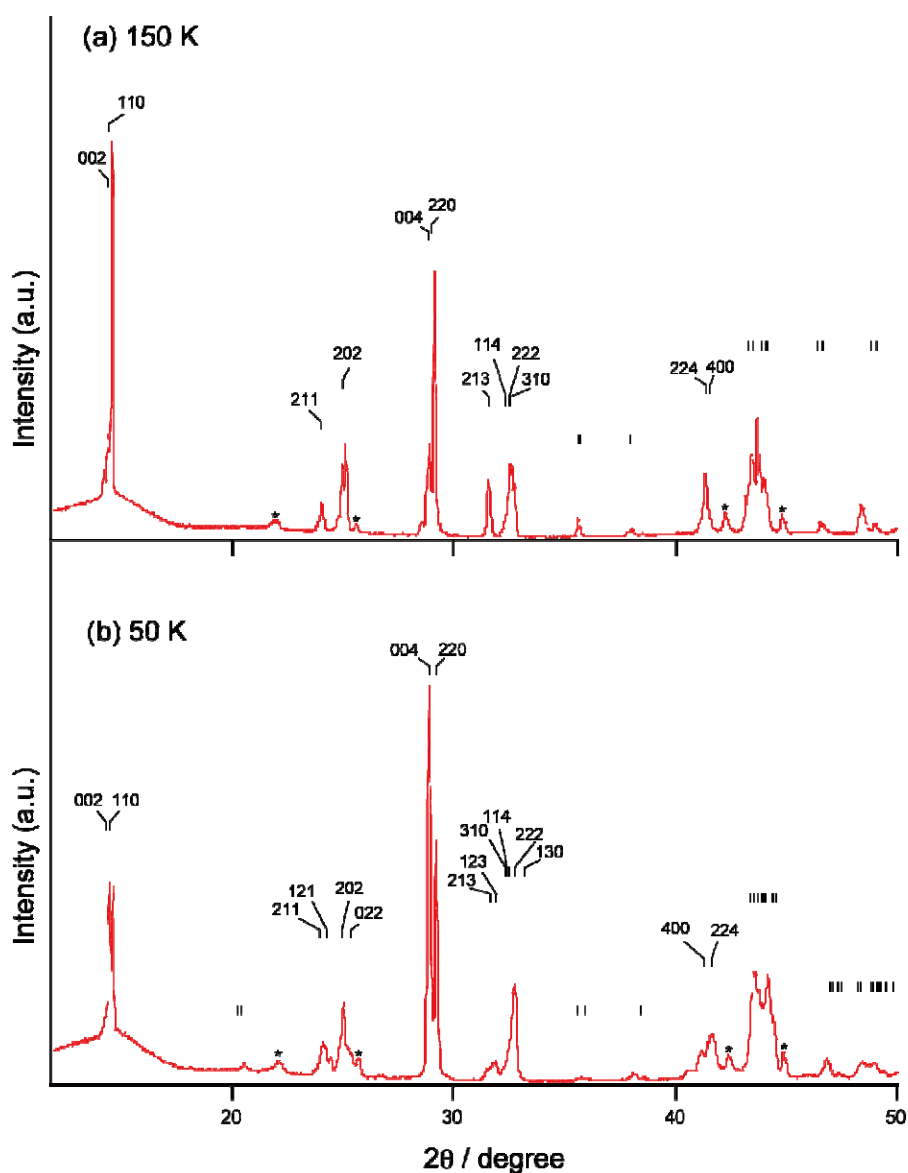


Figure S1. Powder diffraction of $\text{CH}_3\text{NH}_3\text{SnI}_3$ at 150 K (a) and 50 K (b) (Cu- $\text{K}\alpha$). Peaks from contamination (surface degradation) and the sample holder are marked by asterisks.

Indexing of (a): tetragonal, $I4/mcm$, with $a = 8.702$, and $c = 12.383$ Å.

Indexing of (b): orthorhombic with $a = 8.745$, $b = 8.526$, and $c = 12.353$ Å.

Trace of the cubic phase coexists in (a), probably due to stress or temperature inhomogeneity induced by embedding sample in grease.