

Supporting Information for

Thermoelectric properties of textured polycrystalline $\text{Na}_{0.03}\text{Sn}_{0.97}\text{Se}$ enhanced by hot deformation

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Table S1 Comparison of the power factor and ZT for polycrystalline SnSe samples.

Material	PF($\mu\text{W cm}^{-1}\text{K}^{-2}$)	ZT	Reference
$\text{Na}_{0.03}\text{Sn}_{0.97}\text{Se}$ (HD1)	9.6@793 K	~1.3@793 K	This work
$\text{Na}_{0.03}\text{Sn}_{0.97}\text{Se}$ (HD2)	10.2@823 K	~1.3@793 K	This work
$\text{Sn}_{0.99}\text{Na}_{0.01}\text{Se}$	~4.5@773 K	0.6@773 K	Ref. 1
$\text{Sn}_{0.99}\text{Na}_{0.01}\text{Se}_{0.84}\text{Te}_{0.16}$	~4.5@773 K	0.72@773 K	Ref. 1
$\text{Sn}_{0.98}\text{Na}_{0.02}\text{Se}$	4.5@773 K	0.8@773 K	Ref. 2
$\text{Sn}_{0.99}\text{Na}_{0.01}\text{Se}$	5.5@800 K	0.8@800 K	Ref. 3
$\text{Sn}_{0.99}\text{K}_{0.01}\text{Se}$	5@820 K	0.8@800 K	Ref. 3
$\text{Sn}_{0.99}\text{K}_{0.01}\text{Se}$	3.5@623 K	1.1@773 K	Ref. 4
$\text{Sn}_{0.98}\text{Na}_{0.02}\text{Se}$	4.7@798 K	0.87@798 K	Ref. 5
$\text{Sn}_{0.97}\text{Na}_{0.03}\text{Se}$	6.4@550 K	0.82@773 K	Ref. 6
$\text{Sn}_{0.99}\text{Na}_{0.01}\text{Se}$	2@773 K	0.3@773 K	Ref. 7
$\text{Na}_{0.005}\text{K}_{0.005}\text{Sn}_{0.99}\text{Se}$	5@773 K	1.2@773 K	Ref. 7
$\text{Na}_{0.01}(\text{Sn}_{0.95}\text{Pb}_{0.05})_{0.99}\text{Se}$	7.39@823 K	1.2@773 K	Ref. 8
$\text{Ag}_{0.015}\text{Sn}_{0.985}\text{Se}$	~7@800 K	1.3@773 K	Ref. 9

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