

Yinglu Tang

List of Publications by Year in descending order

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11
papers

2,076
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

2317
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication, characterization, and application-matched design of thermoelectric modules based on Half-Heusler FeNbSb and TiNiSn. <i>Journal of Applied Physics</i> , 2019, 126, 085113.	2.5	6
2	Valleytronics in thermoelectric materials. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	104
3	Impact of Ni content on the thermoelectric properties of half-Heusler TiNiSn. <i>Energy and Environmental Science</i> , 2018, 11, 311-320.	30.8	97
4	A Chemical Understanding of the Band Convergence in Thermoelectric CoSb ₃ Skutterudites: Influence of Electron Population, Local Thermal Expansion, and Bonding Interactions. <i>Chemistry of Materials</i> , 2017, 29, 1156-1164.	6.7	50
5	Thermal stability of Mg ₂ Si _{0.4} Sn _{0.6} in inert gases and atomic-layer-deposited Al ₂ O ₃ thin film as a protective coating. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17726-17731.	10.3	21
6	Dislocation strain as the mechanism of phonon scattering at grain boundaries. <i>Materials Horizons</i> , 2016, 3, 234-240.	12.2	108
7	Characterization of Lorenz number with Seebeck coefficient measurement. <i>APL Materials</i> , 2015, 3, .	5.1	1,236
8	Temperature dependent solubility of Yb in Yb ³⁺ CoSb ₃ skutterudite and its effect on preparation, optimization and lifetime of thermoelectrics. <i>Journal of Materiomics</i> , 2015, 1, 75-84.	5.7	88
9	Solubility design leading to high figure of merit in low-cost Ce-CoSb ₃ skutterudites. <i>Nature Communications</i> , 2015, 6, 7584.	12.8	142
10	Phase diagram of In ³⁺ Co ³⁺ Sb system and thermoelectric properties of In-containing skutterudites. <i>Energy and Environmental Science</i> , 2014, 7, 812-819.	30.8	116
11	Charge-Compensated Compound Defects in Ga-containing Thermoelectric Skutterudites. <i>Advanced Functional Materials</i> , 2013, 23, 3194-3203.	14.9	108