

# Shan Li

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

636  
citations

686830

13  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zintl-phase Eu <sub>2</sub> ZnSb <sub>2</sub> : A promising thermoelectric material with ultralow thermal conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2831-2836.	3.3	103
2	Recent progress towards high performance of tin chalcogenide thermoelectric materials. Journal of Materials Chemistry A, 2018, 6, 2432-2448.	5.2	101
3	High-performance n-type Mg <sub>3</sub> Sb <sub>2</sub> towards Thermoelectric Application near Room Temperature. Advanced Functional Materials, 2020, 30, 1906143.	7.8	78
4	Scalable and efficient Sb <sub>2</sub> S <sub>3</sub> thin-film solar cells fabricated by close space sublimation. APL Materials, 2019, 7, .	2.2	72
5	n-Type TaCoSn-Based Half-Heuslers as Promising Thermoelectric Materials. ACS Applied Materials & Interfaces, 2019, 11, 41321-41329.	4.0	44
6	Enhanced thermoelectric performance of n-type TiCoSb half-Heusler by Ta doping and Hf alloying. Rare Metals, 2021, 40, 40-47.	3.6	43
7	Enhanced thermoelectric performance of p-type Mg <sub>3</sub> Sb <sub>2</sub> by lithium doping and its tunability in an anionic framework. Journal of Materials Science, 2018, 53, 16001-16009.	1.7	37
8	Promising Zintl-Phase Thermoelectric Compound SrAgSb. Chemistry of Materials, 2020, 32, 6983-6989.	3.2	36
9	Achieving High Thermoelectric Performance by NaSbTe <sub>2</sub> Alloying in GeTe for Simultaneous Suppression of Ge Vacancies and Band Tailoring. Advanced Energy Materials, 2022, 12, .	10.2	28
10	Unsupervised machine learning for discovery of promising half-Heusler thermoelectric materials. Npj Computational Materials, 2022, 8, .	3.5	24
11	Enhanced Thermoelectric Performance of Zintl Phase Ca <sub>9</sub> Zn <sub>4</sub> Sb <sub>9</sub> by Beneficial Disorder on the Selective Cationic Site. ACS Applied Materials & Interfaces, 2019, 11, 37741-37747.	4.0	17
12	Defect Engineering for Realizing p-Type AgBiSe <sub>2</sub> with a Promising Thermoelectric Performance. Chemistry of Materials, 2020, 32, 3528-3536.	3.2	17
13	Titanium Doping to Enhance Thermoelectric Performance of 19-electron VCoSb Half-Heusler Compounds with Vanadium Vacancies. Annalen Der Physik, 2020, 532, 1900440.	0.9	15
14	Enhanced Thermoelectric Performance in n-type Mg <sub>3.2</sub> Sb <sub>1.5</sub> Bi <sub>0.5</sub> by La or Ce Doping into Mg. Advanced Electronic Materials, 2020, 6, 1901391.	2.6	15
15	Electronic Topological Transition as a Route to Improve Thermoelectric Performance in Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> . Advanced Science, 2022, 9, e2105709.	5.6	6