

Guocai Yuan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermoelectric performance improvement of p-type Mg ₃ Sb ₂ -based materials by Zn and Ag co-doping. Materials Today Physics, 2021, 21, 100564.	6.0	20
2	High thermoelectric performance at room temperature of n-type Mg ₃ Bi ₂ -based materials by Se doping. Journal of Magnesium and Alloys, 2022, 10, 1024-1032.	11.9	18
3	Enhanced thermoelectric performance of nominal 19-electron half-Heusler compound NbCoSb with intrinsic Nb and Sb vacancies. Materials Today Physics, 2021, 20, 100450.	6.0	16
4	Thermoelectric module design to improve lifetime and output power density. Materials Today Physics, 2021, 18, 100391.	6.0	13
5	The enhancement of thermoelectric performance of p-type Li doped Mg ₂ Ge _{0.4} Sn _{0.6} by Si addition. Scripta Materialia, 2019, 166, 122-127.	5.2	12
6	Enhanced thermoelectric performance of Hafnium free n-type ZrNiSn half-Heusler alloys by isoelectronic Si substitution. Materials Today Physics, 2022, 24, 100648.	6.0	9
7	Enhanced Thermoelectric Performance of Bi ₂ Te _{2.7} Se _{0.3} /Bi ₂ S ₃ Synthesized by Anion Exchange Method. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900679.	2.4	8
8	Sulfur simultaneously act as pore-forming agent and doping agent to improve the thermoelectric properties of Bi ₂ Te _{2.7} Se _{0.3} . Journal of Alloys and Compounds, 2020, 819, 153384.	5.5	8
9	Tuning the carrier scattering mechanism to improve the thermoelectric performance of p-type Mg ₃ Sb _{1.5} Bi _{0.5} -based material by Ge doping. Materials Today Energy, 2022, 25, 100977.	4.7	3