

Maxwell Wood

List of Publications by Year in descending order

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236912

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36
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1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the High Thermoelectric Performance of Mg ₃ Sb ₂ â€Mg ₃ Bi ₂ Alloys. Advanced Energy and Sustainability Research, 2022, 3, .	5.8	31
2	Discovery of multivalley Fermi surface responsible for the high thermoelectric performance in Yb ₁₄ MnSb ₁₁ and Yb ₁₄ MgSb ₁₁ . Science Advances, 2021, 7, .	10.3	34
3	Possibility of interstitial Na as electron donor in Yb ₁₄ MgSb ₁₁ . MRS Communications, 2021, 11, 226-232.	1.8	4
4	Phase Boundary Mapping of Tinâ€Doped ZnSb Reveals Thermodynamic Route to High Thermoelectric Efficiency. Advanced Energy Materials, 2021, 11, 2100181.	19.5	17
5	Uncovering design principles for amorphous-like heat conduction using two-channel lattice dynamics. Materials Today Physics, 2021, 18, 100344.	6.0	42
6	Charge-carrier-mediated lattice softening contributes to high zT in thermoelectric semiconductors. Joule, 2021, 5, 1168-1182.	24.0	37
7	When band convergence is not beneficial for thermoelectrics. Nature Communications, 2021, 12, 3425.	12.8	51
8	Evolution of Thermoelectric Properties in the Triple Cation Zintl Phase: Yb ₁₃ Ca _x BaMgSb ₁₁ (x = 1â€6). Chemistry of Materials, 2021, 33, 8059-8069.	6.7	9
9	The importance of the Mgâ€Mg interaction in Mg ₃ Sb ₂ â€Mg ₃ Bi ₂ shown through cation site alloying. Journal of Materials Chemistry A, 2020, 8, 2033-2038.	10.3	33
10	Expression of interfacial Seebeck coefficient through grain boundary engineering with multi-layer graphene nanoplatelets. Energy and Environmental Science, 2020, 13, 4114-4121.	30.8	78
11	Unveiling the phonon scattering mechanisms in half-Heusler thermoelectric compounds. Energy and Environmental Science, 2020, 13, 5165-5176.	30.8	49
12	Crystal Structure and Atomic Vacancy Optimized Thermoelectric Properties in Gadolinium Selenides. Chemistry of Materials, 2020, 32, 10130-10139.	6.7	36
13	Electronic quality factor for thermoelectrics. Science Advances, 2020, 6, .	10.3	88
14	Weighted Mobility. Advanced Materials, 2020, 32, e2001537.	21.0	439
15	Systematic over-estimation of lattice thermal conductivity in materials with electrically-resistive grain boundaries. Energy and Environmental Science, 2020, 13, 1250-1258.	30.8	48
16	Metallic nâ€Type Mg ₃ Sb ₂ Single Crystals Demonstrate the Absence of Ionized Impurity Scattering and Enhanced Thermoelectric Performance. Advanced Materials, 2020, 32, e1908218.	21.0	116
17	Understanding the thermally activated charge transport in NaPb _m SbQ _{m+2} (Q) Tj ETQq1 1 0.784314 rgBT / Q carrier scattering. Energy and Environmental Science, 2020, 13, 1509-1518.	30.8	63
18	Improvement of Lowâ€Temperature zT in a Mg ₃ Sb ₂ â€Mg ₃ Bi ₂ Solid Solution via Mgâ€Vapor Annealing. Advanced Materials, 2019, 31, e1902337.	21.0	150

