

Ze Zhu Zeng

List of Publications by Year in descending order

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13
papers

357
citations

932766

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1125271

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times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroevolution machine learning potentials: Combining high accuracy and low cost in atomistic simulations and application to heat transport. <i>Physical Review B</i> , 2021, 104, .	1.1	101
2	Thermoelectric Enhancements in PbTe Alloys Due to Dislocation-Induced Strains and Converged Bands. <i>Advanced Science</i> , 2020, 7, 1902628.	5.6	78
3	Nonperturbative phonon scatterings and the two-channel thermal transport in Bi_2Te_3 . <i>Physical Review B</i> , 2021, 103, .	5.1	60
4	Leveraging bipolar effect to enhance transverse thermoelectricity in semimetal Mg_2Pb for cryogenic heat pumping. <i>Nature Communications</i> , 2021, 12, 3837.	5.8	24
5	Manipulation of Band Degeneracy and Lattice Strain for Extraordinary PbTe Thermoelectrics. <i>Research</i> , 2020, 2020, 8151059.	2.8	23
6	Revisiting phonon transport in perovskite SrTiO_3 : Anharmonic phonon renormalization and four-phonon scattering. <i>Physical Review B</i> , 2021, 104, .	1.1	10
7	Ultralow and glass-like lattice thermal conductivity in crystalline BaAg_2Te_2 : Strong fourth-order anharmonicity and crucial diffusive thermal transport. <i>Materials Today Physics</i> , 2021, 21, 100487.	2.9	17
8	Critical phonon frequency renormalization and dual phonon coexistence in layered Ruddlesden-Popper inorganic perovskites. <i>Physical Review B</i> , 2022, 105, .	1.1	16
9	Anharmonic lattice dynamics and thermal transport of monolayer InSe under equibiaxial tensile strains. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 475702.	0.7	15
10	Ultralow lattice thermal conductivity enables high thermoelectric performance in BaAg_2Te_2 alloys. <i>Materials Today Physics</i> , 2022, 22, 100591.	2.9	14
11	Soft-mode dynamics in the ferroelectric phase transition of GeTe . <i>Npj Computational Materials</i> , 2021, 7, .	3.5	11
12	Anharmonic lattice dynamics of SnS across phase transition: A study using high-dimensional neural network potential. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	5
13	Stronger three-phonon interactions revealed by molecular dynamics in materials with restricted phase space. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	4