

Seyed Aria Hosseini

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

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citations

1937685

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1720034

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8
docs citations

8
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-suppression of long phonon mean-free-paths in nano-engineered Si due to heat current anticorrelations. <i>Materials Today Physics</i> , 2022, 27, 100719.	6.0	4
2	Enhanced thermoelectric ZT in the tails of the Fermi distribution via electron filtering by nanoinclusions: Model electron transport in nanocomposites. <i>Physical Review Materials</i> , 2022, 6, .	2.4	1
3	Mode- and space-resolved thermal transport of alloy nanostructures. <i>International Journal of Heat and Mass Transfer</i> , 2022, 195, 123191.	4.8	3
4	Mitigating the Effect of Nanoscale Porosity on Thermoelectric Power Factor of Si. <i>ACS Applied Energy Materials</i> , 2021, 4, 1915-1923.	5.1	10
5	Gray Phonon Transport Prediction of Thermal Conductivity in Lithium Aluminate with Higher-Order Finite Elements on Meshes with Curved Surfaces. <i>Journal of Computational and Theoretical Transport</i> , 2021, 50, 483-506.	0.8	3
6	Enhanced Thermoelectric Performance of Polycrystalline Si _{0.8} Ge _{0.2} Alloys through the Addition of Nanoscale Porosity. <i>Nanomaterials</i> , 2021, 11, 2591.	4.1	7
7	Heat current anticorrelation effects leading to thermal conductivity reduction in nanoporous Si. <i>Physical Review B</i> , 2020, 102, .	3.2	9
8	Prediction of thermal conductivity in dielectrics using fast, spectrally-resolved phonon transport simulations. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118595.	4.8	12