

Vazrik Chiloyan

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

462
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Green's functions of the Boltzmann transport equation with the full scattering matrix for phonon nanoscale transport beyond the relaxation-time approximation. <i>Physical Review B</i> , 2021, 104, .	3.2	10
2	Thermal transport exceeding bulk heat conduction due to nonthermal micro/nanoscale phonon populations. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
3	Phonon Hydrodynamic Heat Conduction and Knudsen Minimum in Graphite. <i>Nano Letters</i> , 2018, 18, 638-649.	9.1	83
4	Unifying first-principles theoretical predictions and experimental measurements of size effects in thermal transport in SiGe alloys. <i>Physical Review Materials</i> , 2017, 1, .	2.4	15
5	Variational approach to solving the spectral Boltzmann transport equation in transient thermal grating for thin films. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	19
6	Variational approach to extracting the phonon mean free path distribution from the spectral Boltzmann transport equation. <i>Physical Review B</i> , 2016, 93, .	3.2	22
7	Heat meets light on the nanoscale. <i>Nanophotonics</i> , 2016, 5, 134-160.	6.0	58
8	Measuring Phonon Mean Free Path Distributions by Probing Quasiballistic Phonon Transport in Grating Nanostructures. <i>Scientific Reports</i> , 2015, 5, 17131.	3.3	107
9	Enhancement and Tunability of Near-Field Radiative Heat Transfer Mediated by Surface Plasmon Polaritons in Thin Plasmonic Films. <i>Photonics</i> , 2015, 2, 659-683.	2.0	46
10	Transition from near-field thermal radiation to phonon heat conduction at sub-nanometre gaps. <i>Nature Communications</i> , 2015, 6, 6755.	12.8	95