

Iorwerth O Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

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citations

1684188
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14
docs citations

14
times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	Anharmonic, dimensionality and size effects in phonon transport (2017) J. Phys.: Condens. Matter 29) Tj ETQq1 1 0,784314 rgBT /Overl	1.8	18
2	Effect of interface density, quality and period on the lattice thermal conductivity of nanocomposite materials. Journal of Applied Physics, 2020, 127, .	2.5	3
3	Tunable Thermal Transport Characteristics of Nanocomposites. Nanomaterials, 2020, 10, 673.	4.1	2
4	Mode confinement, interface mass-smudging, and sample length effects on phonon transport in thin nanocomposite superlattices. Journal of Physics Condensed Matter, 2019, 31, 055303.	1.8	4
5	Control of thermal conductivity with species mass in transition-metal dichalcogenides. Journal of Applied Physics, 2018, 123, .	2.5	7
6	Anisotropic Thermal Conduction in Transition Metal Dichalcogenide Nanocomposites with Rough Interfaces. Nanomaterials, 2018, 8, 1054.	4.1	2
7	Extension of the modified effective medium approach to nanocomposites with anisotropic thermal conductivities. Physical Review B, 2018, 98, .	3.2	5
8	Temperature-dependent Raman linewidths in transition-metal dichalcogenides. Physical Review B, 2018, 98, .	3.2	7
9	Anharmonic, dimensionality and size effects in phonon transport. Journal of Physics Condensed Matter, 2017, 29, 505703.	1.8	12
10	Lattice thermal conduction in ultra-thin nanocomposites. Journal of Applied Physics, 2016, 119, 244309.	2.5	3
11	Tuning phonon properties to enhance the thermoelectric figure of merit. , 2014, , .		1
12	Thinning down of thermal conductivity in ultrashort period superlattices. Physical Review B, 2013, 88, .	3.2	11
13	Detailed calculation of the thermoelectric figure of merit in an n -doped SiGe alloy. Physical Review B, 2012, 86, .	3.2	13