

# Iorwerth O Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1249756/publications.pdf>

Version: 2024-02-01

13  
papers

70  
citations

1684188

5  
h-index

1588992

8  
g-index

14  
all docs

14  
docs citations

14  
times ranked

87  
citing authors

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