

Qian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

500
citations

840776

11
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity of electrospun polyethylene nanofibers. <i>Nanoscale</i> , 2015, 7, 16899-16908.	5.6	103
2	Thermal Transport in Quasi-1D van der Waals Crystal Ta ₂ Pd ₃ Se ₈ Nanowires: Size and Length Dependence. <i>ACS Nano</i> , 2018, 12, 2634-2642.	14.6	61
3	Thermal conductivity of individual silicon nanoribbons. <i>Nanoscale</i> , 2016, 8, 17895-17901.	5.6	54
4	Piezoelectric and optoelectronic properties of electrospinning hybrid PVDF and ZnO nanofibers. <i>Materials Research Express</i> , 2018, 5, 035057.	1.6	43
5	Observation of superdiffusive phonon transport in aligned atomic chains. <i>Nature Nanotechnology</i> , 2021, 16, 764-768.	31.5	43
6	Ballistic Phonon Penetration Depth in Amorphous Silicon Dioxide. <i>Nano Letters</i> , 2017, 17, 7218-7225.	9.1	42
7	Distinct Signatures of Electron-Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe ₃ Nanowires. <i>Nano Letters</i> , 2019, 19, 415-421.	9.1	37
8	Thermal transport in electrospun vinyl polymer nanofibers: effects of molecular weight and side groups. <i>Soft Matter</i> , 2018, 14, 9534-9541.	2.7	27
9	A rapid and simple method to draw polyethylene nanofibers with enhanced thermal conductivity. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	24
10	Defect Facilitated Phonon Transport through Kinks in Boron Carbide Nanowires. <i>Nano Letters</i> , 2017, 17, 3550-3555.	9.1	23
11	Thermal transport through fishbone silicon nanoribbons: unraveling the role of Sharvin resistance. <i>Nanoscale</i> , 2019, 11, 8196-8203.	5.6	17
12	Kink effects on thermal transport in silicon nanowires. <i>International Journal of Heat and Mass Transfer</i> , 2019, 137, 573-578.	4.8	12
13	Kink as a new degree of freedom to tune the thermal conductivity of Si nanoribbons. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	11
14	Experimental investigations on overall cooling effect of ribbed channel with air bleeds. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4800-4807.	4.8	2
15	An experimental investigation on transpiration cooling of porous flat plate. , 2011, , .		1
16	Thermal Conductivity of Individual Electrospun Polymer Nanofibers. , 2015, , .		0