

Jian Wang

List of Publications by Year in descending order

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papers

736
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687220

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610775

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all docs

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docs citations

24
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning Thermal Conductivity in Si Nanowires with Patterned Structures. Chinese Physics Letters, 2021, 38, 024401.	1.3	7
2	The effect of atomistic substitution on thermal transport in large phonon bandgap GaN. Japanese Journal of Applied Physics, 2021, 60, 071003.	0.8	4
3	Anomalous energy diffusion in two-dimensional nonlinear lattices. Physical Review E, 2020, 101, 012126.	0.8	9
4	Valley filtering effect of phonons in graphene with a grain boundary. Physical Review B, 2019, 99, .	1.1	15
5	Mechanism of large tunable thermal transport in graphene with oxygen functional groups. Journal of Applied Physics, 2018, 124, 175108.	1.1	4
6	Defect-induced selective oxidation of graphene: A first-principles study. Applied Surface Science, 2017, 396, 243-248.	3.1	4
7	Tunable thermal conductivity in carbon allotrope sheets: Role of acetylenic linkages. Journal of Applied Physics, 2015, 118, .	1.1	13
8	The contact area dependent interfacial thermal conductance. AIP Advances, 2015, 5, .	0.6	10
9	Dimensional crossover of thermal conductance in graphene nanoribbons: a first-principles approach. Journal of Physics Condensed Matter, 2012, 24, 295403.	0.7	6
10	An extended clique degree distribution and its heterogeneity in cooperationâ€“competition networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2454-2462.	1.2	1
11	Characteristics for two kinds of cascading events. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1440-1446.	1.2	1
12	Tuning thermal transport in nanotubes with topological defects. Applied Physics Letters, 2011, 99, 091905.	1.5	24
13	Optimizing transport efficiency on scale-free networks through assortative or disassortative topology. Physical Review E, 2010, 81, 037101.	0.8	19
14	Single-mode phonon transmission in symmetry-broken carbon nanotubes: Role of phonon symmetries. Journal of Applied Physics, 2009, 105, 063509.	1.1	17
15	Empirical analysis of dependence between stations in Chinese railway network. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2949-2955.	1.2	47
16	Characteristics of phonon transmission across epitaxial interfaces: a lattice dynamic study. Journal of Physics Condensed Matter, 2007, 19, 236211.	0.7	17
17	Dimensional crossover of thermal conductance in nanowires. Applied Physics Letters, 2007, 90, 241908.	1.5	39
18	Nonequilibrium Greenâ€™s function method for thermal transport in junctions. Physical Review E, 2007, 75, 061128.	0.8	99

#	ARTICLE	IF	CITATIONS
19	Carbon nanotube thermal transport: Ballistic to diffusive. Applied Physics Letters, 2006, 88, 111909.	1.5	143
20	Nonequilibrium Green's function approach to mesoscopic thermal transport. Physical Review B, 2006, 74, .	1.1	190
21	Mode-dependent energy transmission across nanotube junctions calculated with a lattice dynamics approach. Physical Review B, 2006, 74, .	1.1	28
22	Multiqubit computing and error-avoiding codes in subspace using quantum dots. Journal of Applied Physics, 2002, 91, 2524-2529.	1.1	11
23	Decoherence of quantum registers in the weak-coupling limit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 294, 6-12.	0.9	5
24	Characteristics of a piecewise smooth area-preserving map. Physical Review E, 2001, 64, 026202.	0.8	23