

Baowen Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6572305/publications.pdf>

Version: 2024-02-01

356
papers

23,809
citations

6613

79
h-index

9589

142
g-index

360
all docs

360
docs citations

360
times ranked

12931
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Colloquium</i>: Phononics: Manipulating heat flow with electronic analogs and beyond. Reviews of Modern Physics, 2012, 84, 1045-1066.	45.6	1,106
2	Thermal Diode: Rectification of Heat Flux. Physical Review Letters, 2004, 93, 184301.	7.8	930
3	Length-dependent thermal conductivity in suspended single-layer graphene. Nature Communications, 2014, 5, 3689.	12.8	735
4	Thermal Logic Gates: Computation with Phonons. Physical Review Letters, 2007, 99, 177208.	7.8	542
5	Negative differential thermal resistance and thermal transistor. Applied Physics Letters, 2006, 88, 143501.	3.3	525
6	Experimental Demonstration of a Bilayer Thermal Cloak. Physical Review Letters, 2014, 112, 054302.	7.8	456
7	Thermal Conductivity of Polymers and Their Nanocomposites. Advanced Materials, 2018, 30, e1705544.	21.0	442
8	Full Control and Manipulation of Heat Signatures: Cloaking, Camouflage and Thermal Metamaterials. Advanced Materials, 2014, 26, 1731-1734.	21.0	362
9	Interface Thermal Resistance between Dissimilar Anharmonic Lattices. Physical Review Letters, 2005, 95, 104302.	7.8	361
10	Thermal Memory: A Storage of Phononic Information. Physical Review Letters, 2008, 101, 267203.	7.8	357
11	Young's modulus of graphene: A molecular dynamics study. Physical Review B, 2009, 80, .	3.2	348
12	Controlling Complex Networks: How Much Energy Is Needed?. Physical Review Letters, 2012, 108, 218703.	7.8	317
13	Thermal rectification in asymmetric graphene ribbons. Applied Physics Letters, 2009, 95, .	3.3	308
14	Thermal conductivity of nanotubes revisited: Effects of chirality, isotope impurity, tube length, and temperature. Journal of Chemical Physics, 2005, 123, 114714.	3.0	281
15	Heat conduction in one-dimensional chains. Physical Review E, 1998, 57, 2992-2995.	2.1	278
16	Transforming heat transfer with thermal metamaterials and devices. Nature Reviews Materials, 2021, 6, 488-507.	48.7	270
17	Topological magnon insulator in insulating ferromagnet. Physical Review B, 2013, 87, .	3.2	269
18	Anomalous Heat Conduction and Anomalous Diffusion in One-Dimensional Systems. Physical Review Letters, 2003, 91, 044301.	7.8	250

#	ARTICLE	IF	CITATIONS
19	Carbon nanocone: A promising thermal rectifier. Applied Physics Letters, 2008, 93, .	3.3	247
20	Thermal Transport in Suspended and Supported Few-Layer Graphene. Nano Letters, 2011, 11, 113-118.	9.1	246
21	Thermal rectification and negative differential thermal resistance in lattices with mass gradient. Physical Review B, 2007, 76, .	3.2	242
22	Topological Nature of the Phonon Hall Effect. Physical Review Letters, 2010, 105, 225901.	7.8	242
23	<i>Colloquium</i>: Phononic thermal properties of two-dimensional materials. Reviews of Modern Physics, 2018, 90, .	45.6	238
24	Thermal rectification in carbon nanotube intramolecular junctions: Molecular dynamics calculations. Physical Review B, 2007, 76, .	3.2	222
25	Violation of Fourier's law and anomalous heat diffusion in silicon nanowires. Nano Today, 2010, 5, 85-90.	11.9	222
26	Ultralow Thermal Conductivity of Isotope-Doped Silicon Nanowires. Nano Letters, 2008, 8, 276-280.	9.1	221
27	Coexistence of size-dependent and size-independent thermal conductivities in phosphorene. Physical Review B, 2014, 90, .	3.2	203
28	Invisible Sensors: Simultaneous Sensing and Camouflaging in Multiphysical Fields. Advanced Materials, 2015, 27, 7752-7758.	21.0	202
29	Homogeneous Thermal Cloak with Constant Conductivity and Tunable Heat Localization. Scientific Reports, 2013, 3, 1593.	3.3	190
30	Substrate coupling suppresses size dependence of thermal conductivity in supported graphene. Nanoscale, 2013, 5, 532-536.	5.6	189
31	Size-dependent thermal conductivity of nanoscale semiconducting systems. Physical Review B, 2006, 73, .	3.2	186
32	Heat conduction in one-dimensional nonintegrable systems. Physical Review E, 2000, 61, 3828-3831.	2.1	181
33	Berry-Phase-Induced Heat Pumping and Its Impact on the Fluctuation Theorem. Physical Review Letters, 2010, 104, 170601.	7.8	179
34	Interfacial thermal resistance: Past, present, and future. Reviews of Modern Physics, 2022, 94, .	45.6	178
35	Remarkable Reduction of Thermal Conductivity in Silicon Nanotubes. Nano Letters, 2010, 10, 3978-3983.	9.1	167
36	Influence of network structure on rumor propagation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 458-463.	2.1	163

#	ARTICLE	IF	CITATIONS
37	Thermal expansion in single-walled carbon nanotubes and graphene: Nonequilibrium Green's function approach. <i>Physical Review B</i> , 2009, 80, .	3.2	160
38	Noise Bridges Dynamical Correlation and Topology in Coupled Oscillator Networks. <i>Physical Review Letters</i> , 2010, 104, 058701.	7.8	159
39	Extreme Low Thermal Conductivity in Nanoscale 3D Si Phononic Crystal with Spherical Pores. <i>Nano Letters</i> , 2014, 14, 1734-1738.	9.1	153
40	Manipulating Acoustic Wavefront by Inhomogeneous Impedance and Steerable Extraordinary Reflection. <i>Scientific Reports</i> , 2013, 3, 2537.	3.3	145
41	Phononics gets hot. <i>Physics World</i> , 2008, 21, 27-29.	0.0	143
42	Impacts of doping on thermal and thermoelectric properties of nanomaterials. <i>Nanoscale</i> , 2010, 2, 1058.	5.6	142
43	Thermal transport in nanostructures. <i>AIP Advances</i> , 2012, 2, .	1.3	138
44	Redirection of sound waves using acoustic metasurface. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	136
45	Layer thickness-dependent phonon properties and thermal conductivity of MoS ₂ . <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	136
46	An Electrically Tuned Solid-State Thermal Memory Based on Metal-Insulator Transition of Single-Crystalline VO ₂ Nanobeams. <i>Advanced Functional Materials</i> , 2011, 21, 1602-1607.	14.9	133
47	Thermal conduction of carbon nanotubes using molecular dynamics. <i>Physical Review B</i> , 2005, 71, .	3.2	131
48	Disorder enhances thermoelectric figure of merit in armchair graphene nanoribbons. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	128
49	Linking agent-based models and stochastic models of financial markets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8388-8393.	7.1	127
50	Isotopic effects on the thermal conductivity of graphene nanoribbons: Localization mechanism. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	125
51	Superior thermal conductivity in suspended bilayer hexagonal boron nitride. <i>Scientific Reports</i> , 2016, 6, 25334.	3.3	124
52	Theoretical realization of an ultra-efficient thermal-energy harvesting cell made of natural materials. <i>Energy and Environmental Science</i> , 2013, 6, 3537.	30.8	121
53	Tunable thermal conductivity of Si _{1-x} Ge _x nanowires. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	120
54	Thermal transport in graphene with defect and doping: Phonon modes analysis. <i>Carbon</i> , 2017, 116, 139-144.	10.3	118

#	ARTICLE	IF	CITATIONS
55	Intriguing Heat Conduction of a Chain with Transverse Motions. <i>Physical Review Letters</i> , 2004, 92, 074302.	7.8	116
56	Anomalous Heat Diffusion. <i>Physical Review Letters</i> , 2014, 112, 040601.	7.8	116
57	Thermal conductance of graphene and dimerite. <i>Physical Review B</i> , 2009, 79, .	3.2	114
58	Randomness-Induced Phonon Localization in Graphene Heat Conduction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3959-3968.	4.6	110
59	Thermal contact resistance across nanoscale silicon dioxide and silicon interface. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	108
60	Anomalous heat conduction and anomalous diffusion in low dimensional nanoscale systems. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	106
61	Tailoring the Thermal and Mechanical Properties of Graphene Film by Structural Engineering. <i>Small</i> , 2018, 14, e1801346.	10.0	106
62	A nonequilibrium Greenâ€™s function study of thermoelectric properties in single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	102
63	Diffusion and Localization in Chaotic Billiards. <i>Physical Review Letters</i> , 1996, 77, 4744-4747.	7.8	101
64	Impacts of Atomistic Coating on Thermal Conductivity of Germanium Nanowires. <i>Nano Letters</i> , 2012, 12, 2826-2832.	9.1	96
65	Anomalous heat conduction and anomalous diffusion in nonlinear lattices, single walled nanotubes, and billiard gas channels. <i>Chaos</i> , 2005, 15, 015121.	2.5	95
66	Can Disorder Induce a Finite Thermal Conductivity in 1D Lattices?. <i>Physical Review Letters</i> , 2001, 86, 63-66.	7.8	94
67	Nonequilibrium Greenâ€™s function method for phonon-phonon interactions and ballistic-diffusive thermal transport. <i>Physical Review B</i> , 2008, 78, .	3.2	94
68	Phonon coherent resonance and its effect on thermal transport in core-shell nanowires. <i>Journal of Chemical Physics</i> , 2011, 135, 104508.	3.0	94
69	Finite Thermal Conductivity in 1D Models Having Zero Lyapunov Exponents. <i>Physical Review Letters</i> , 2002, 88, 223901.	7.8	92
70	Thermal Transistor: Heat Flux Switching and Modulating. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 054402.	1.6	91
71	Interfacial thermal transport in atomic junctions. <i>Physical Review B</i> , 2011, 83, .	3.2	90
72	Thermal rectification at silicon-amorphous polyethylene interface. <i>Applied Physics Letters</i> , 2008, 92, 211908.	3.3	88

#	ARTICLE	IF	CITATIONS
73	Size dependent thermoelectric properties of silicon nanowires. Applied Physics Letters, 2009, 95, .	3.3	88
74	Molecular Dynamics Simulations of Heat Conduction in Nanostructures: Effect of Heat Bath. Journal of the Physical Society of Japan, 2010, 79, 074604.	1.6	88
75	Full-Parameter Omnidirectional Thermal Metadevices of Anisotropic Geometry. Advanced Materials, 2018, 30, e1804019.	21.0	87
76	Thermal conductivity of penta-graphene from molecular dynamics study. Journal of Chemical Physics, 2015, 143, 154703.	3.0	85
77	Changes in Cross-Correlations as an Indicator for Systemic Risk. Scientific Reports, 2012, 2, 888.	3.3	84
78	A Universal Expression of Band Gap for Silicon Nanowires of Different Cross-Section Geometries. Nano Letters, 2008, 8, 4557-4561.	9.1	83
79	How does folding modulate thermal conductivity of graphene?. Applied Physics Letters, 2012, 100, 093107.	3.3	82
80	Statistical properties of high-lying chaotic eigenstates. Journal of Physics A, 1994, 27, 5509-5523.	1.6	81
81	Manipulation of acoustic focusing with an active and configurable planar metasurface transducer. Scientific Reports, 2014, 4, 6257.	3.3	81
82	Phonon thermal conduction in novel 2D materials. Journal of Physics Condensed Matter, 2016, 28, 483001.	1.8	81
83	Phonon interference at self-assembled monolayer interfaces: Molecular dynamics simulations. Physical Review B, 2010, 81, .	3.2	79
84	Significant reduction of graphene thermal conductivity by phononic crystal structure. International Journal of Heat and Mass Transfer, 2015, 91, 428-432.	4.8	79
85	Hexagonal boron nitride: a promising substrate for graphene with high heat dissipation. Nanotechnology, 2017, 28, 225704.	2.6	79
86	Symmetry breaking and self-trapping of a dipolar Bose-Einstein condensate in a double-well potential. Physical Review A, 2009, 79, .	2.5	78
87	Competing for Attention in Social Media under Information Overload Conditions. PLoS ONE, 2015, 10, e0126090.	2.5	78
88	Thermal Interface Conductance Between Aluminum and Silicon by Molecular Dynamics Simulations. Journal of Computational and Theoretical Nanoscience, 2015, 12, 168-174.	0.4	78
89	Quantum Chaos of a Kicked Particle in an Infinite Potential Well. Physical Review Letters, 1999, 82, 4224-4227.	7.8	76
90	Fractal-like tree networks reducing the thermal conductivity. Physical Review E, 2006, 73, 066302.	2.1	73

#	ARTICLE	IF	CITATIONS
91	Fourier Law in the Alternate-Mass Hard-Core Potential Chain. <i>Physical Review Letters</i> , 2004, 92, 254301.	7.8	72
92	Energy Carriers in the Fermi-Pasta-Ulam ² Lattice: Solitons or Phonons?. <i>Physical Review Letters</i> , 2010, 105, 054102.	7.8	72
93	Thermal rectifying effect in two-dimensional anharmonic lattices. <i>Physical Review B</i> , 2006, 74, .	3.2	71
94	Thermal Transport in 2D Semiconductors—Considerations for Device Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1903929.	14.9	71
95	Heat conductivity in linear mixing systems. <i>Physical Review E</i> , 2003, 67, 021204.	2.1	70
96	How to improve the accuracy of equilibrium molecular dynamics for computation of thermal conductivity?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2392-2396.	2.1	70
97	Thermal conductivity of suspended few-layer MoS ₂ . <i>Nanoscale</i> , 2018, 10, 2727-2734.	5.6	70
98	Energy transport between two attractors connected by a Fermi-Pasta-Ulam chain. <i>Journal of Physics A</i> , 1998, 31, 7719-7728.	1.6	69
99	Thermoelectric transport with electron-phonon coupling and electron-electron interaction in molecular junctions. <i>Physical Review B</i> , 2012, 85, .	3.2	69
100	Direction dependent thermal conductivity of monolayer phosphorene: Parameterization of Stillinger-Weber potential and molecular dynamics study. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	69
101	Manipulating Steady Heat Conduction by Sensu-shaped Thermal Metamaterials. <i>Scientific Reports</i> , 2015, 5, 10242.	3.3	65
102	Engineering the thermal conductivity along an individual silicon nanowire by selective helium ion irradiation. <i>Nature Communications</i> , 2017, 8, 15919.	12.8	65
103	Ratcheting heat flux against a thermal bias. <i>Europhysics Letters</i> , 2008, 84, 40009.	2.0	64
104	Profiling Nanowire Thermal Resistance with a Spatial Resolution of Nanometers. <i>Nano Letters</i> , 2014, 14, 806-812.	9.1	64
105	Thermoelectric performance of silicon nanowires. <i>Applied Physics Letters</i> , 2009, 94, 213108.	3.3	63
106	Large thermoelectric figure of merit in Si _{1-x} Ge _x nanowires. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	63
107	Logarithmic divergent thermal conductivity in two-dimensional nonlinear lattices. <i>Physical Review E</i> , 2012, 86, 040101.	2.1	63
108	Suppressing Thermal Conductivity of Suspended Tri-layer Graphene by Gold Deposition. <i>Advanced Materials</i> , 2013, 25, 6884-6888.	21.0	62

#	ARTICLE	IF	CITATIONS
109	Mode-coupling theory and molecular dynamics simulation for heat conduction in a chain with transverse motions. <i>Physical Review E</i> , 2004, 70, 021204.	2.1	61
110	Validity of Fourier's law in one-dimensional momentum-conserving lattices with asymmetric interparticle interactions. <i>Physical Review E</i> , 2013, 88, 052112.	2.1	61
111	Ballistic thermal rectification in nanoscale three-terminal junctions. <i>Physical Review B</i> , 2010, 81, .	3.2	60
112	Epidemic spreading by objective traveling. <i>Europhysics Letters</i> , 2009, 87, 18005.	2.0	59
113	Thermal rectifiers from deformed carbon nanohorns. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 175211.	1.8	58
114	Anomalous vibrational energy diffusion in carbon nanotubes. <i>Journal of Chemical Physics</i> , 2005, 123, 014705.	3.0	57
115	Reversal of thermal rectification in quantum systems. <i>Physical Review B</i> , 2009, 80, .	3.2	57
116	Manipulating chiral microswimmers in a channel. <i>Physical Review E</i> , 2014, 90, 062301.	2.1	57
117	Effective phonons in anharmonic lattices: Anomalous vs. normal heat conduction. <i>Europhysics Letters</i> , 2006, 75, 49-55.	2.0	56
118	Dynamics of Matter-Wave Solitons in a Ratchet Potential. <i>Physical Review Letters</i> , 2008, 101, 150403.	7.8	55
119	Shuttling heat across one-dimensional homogenous nonlinear lattices with a Brownian heat motor. <i>Physical Review E</i> , 2009, 80, 011125.	2.1	55
120	Diameter-Dependent Thermal Transport in Individual ZnO Nanowires and its Correlation with Surface Coating and Defects. <i>Small</i> , 2012, 8, 738-745.	10.0	54
121	Measuring the thermal conductivity and interfacial thermal resistance of suspended MoS ₂ using electron beam self-heating technique. <i>Science Bulletin</i> , 2018, 63, 452-458.	9.0	54
122	Fidelity for the quantum evolution of a Bose-Einstein condensate. <i>Physical Review A</i> , 2005, 72, .	2.5	52
123	Thermal metamaterials: functions and prospects. <i>National Science Review</i> , 2018, 5, 138-141.	9.5	52
124	Reducing lattice thermal conductivity in schwarzites via engineering the hybridized phonon modes. <i>Carbon</i> , 2018, 139, 289-298.	10.3	52
125	Interfacial thermal resistance and thermal rectification between suspended and encased single layer graphene. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	51
126	Ultracompact Interference Phonon Nanocapacitor for Storage and Lasing of Coherent Terahertz Lattice Waves. <i>Physical Review Letters</i> , 2015, 114, 145501.	7.8	51

#	ARTICLE	IF	CITATIONS
127	A Series Circuit of Thermal Rectifiers: An Effective Way to Enhance Rectification Ratio. <i>Small</i> , 2017, 13, 1602726.	10.0	51
128	Band gaps of lower-order Lamb wave in thin plate with one-dimensional phononic crystal layer: Effect of substrate. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	50
129	Probing the Physical Origin of Anisotropic Thermal Transport in Black Phosphorus Nanoribbons. <i>Advanced Materials</i> , 2018, 30, e1804928.	21.0	50
130	A universal gauge for thermal conductivity of silicon nanowires with different cross sectional geometries. <i>Journal of Chemical Physics</i> , 2011, 135, 204705.	3.0	49
131	Unraveled mechanism in silk engineering: Fast reeling induced silk toughening. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	48
132	Emergence and control of heat current from strict zero thermal bias. <i>Physical Review E</i> , 2010, 81, 021111.	2.1	48
133	Thermoelectric properties of one-dimensional graphene antidot arrays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2425-2429.	2.1	48
134	Ultralow Thermal Conductivity of Single-Crystalline Porous Silicon Nanowires. <i>Advanced Functional Materials</i> , 2017, 27, 1702824.	14.9	47
135	Wave transmission, phonon localization, and heat conduction of a one-dimensional Frenkel-Kontorova chain. <i>Physical Review B</i> , 1999, 59, 8639-8645.	3.2	46
136	Full-counting statistics of heat transport in harmonic junctions: Transient, steady states, and fluctuation theorems. <i>Physical Review E</i> , 2012, 85, 051142.	2.1	46
137	Thermal conduction across a boron nitride and SiO ₂ interface. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 104002.	2.8	46
138	Edge states induce boundary temperature jump in molecular dynamics simulation of heat conduction. <i>Physical Review B</i> , 2009, 80, .	3.2	45
139	Reduction of Thermal Conductivity by Nanoscale 3D Phononic Crystal. <i>Scientific Reports</i> , 2013, 3, 1143.	3.3	44
140	Negative Gaussian curvature induces significant suppression of thermal conduction in carbon crystals. <i>Nanoscale</i> , 2017, 9, 14208-14214.	5.6	43
141	Dimensional crossover of heat conduction in amorphous polyimide nanofibers. <i>National Science Review</i> , 2018, 5, 500-506.	9.5	43
142	Thermal rectification in Y-junction carbon nanotube bundle. <i>Carbon</i> , 2018, 140, 673-679.	10.3	42
143	Topology-induced thermal rectification in carbon nanodevice. <i>Europhysics Letters</i> , 2010, 89, 46005.	2.0	41
144	Temperature dependence of thermal conductivity in 1D nonlinear lattices. <i>Europhysics Letters</i> , 2007, 78, 34001.	2.0	40

#	ARTICLE	IF	CITATIONS
145	Stability of quantum motion: Beyond Fermi-golden-rule and Lyapunov decay. <i>Physical Review E</i> , 2004, 69, 025201.	2.1	39
146	Thermoelectric figure of merit in Ga-doped [0001] ZnO nanowires. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 978-981.	2.1	39
147	Thermal management in MoS2 based integrated device using near-field radiation. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	39
148	Nonadiabatic Geometric Phase and Hannay Angle: A Squeezed State Approach. <i>Physical Review Letters</i> , 1998, 81, 1749-1753.	7.8	38
149	Electronic transport in hybrid mesoscopic structures: A nonequilibrium Green function approach. <i>Physical Review B</i> , 2003, 68, .	3.2	38
150	The phonon Hall effect: theory and application. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 305402.	1.8	38
151	Random matrix analysis of localization properties of gene coexpression network. <i>Physical Review E</i> , 2010, 81, 046118.	2.1	37
152	1D momentum-conserving systems: the conundrum of anomalous versus normal heat transport. <i>New Journal of Physics</i> , 2015, 17, 043064.	2.9	36
153	Vibrational spectra and thermal rectification in three-dimensional anharmonic lattices. <i>Physical Review B</i> , 2007, 75, .	3.2	34
154	Propagation of Lamb waves in one-dimensional quasiperiodic composite thin plates: A split of phonon band gap. <i>Applied Physics Letters</i> , 2007, 90, 111908.	3.3	34
155	Elastic and nonlinear stiffness of graphene: A simple approach. <i>Physical Review B</i> , 2010, 81, .	3.2	34
156	Low thermal conductivity in ultrathin carbon nanotube (2, 1). <i>Scientific Reports</i> , 2014, 4, 4917.	3.3	34
157	Control of heat transport in quantum spin systems. <i>Physical Review B</i> , 2009, 79, .	3.2	33
158	High thermoelectric figure of merit in silicon-germanium superlattice structured nanowires. <i>Applied Physics Letters</i> , 2012, 101, 233114.	3.3	33
159	A Ubiquitous Thermal Conductivity Formula for Liquids, Polymer Glass, and Amorphous Solids*. <i>Chinese Physics Letters</i> , 2020, 37, 104401.	3.3	33
160	Quantum Hyperdiffusion in One-Dimensional Tight-Binding Lattices. <i>Physical Review Letters</i> , 2012, 108, 070603.	7.8	32
161	Boosting thermoelectric efficiency using time-dependent control. <i>Scientific Reports</i> , 2015, 5, 14870.	3.3	32
162	Manipulating the temperature dependence of the thermal conductivity of graphene phononic crystal. <i>Nanotechnology</i> , 2016, 27, 265702.	2.6	32

#	ARTICLE	IF	CITATIONS
163	Simulation of the regulation of EGFR endocytosis and EGFR-ERK signaling by endophilin-mediated RhoA-EGFR crosstalk. <i>FEBS Letters</i> , 2008, 582, 2283-2290.	2.8	31
164	Energy transfer in the nonequilibrium spin-boson model: From weak to strong coupling. <i>Physical Review E</i> , 2017, 96, 012135.	2.1	31
165	Crossover of quantum Loschmidt echo from golden-rule decay to perturbation-independent decay. <i>Physical Review E</i> , 2002, 66, 056208.	2.1	30
166	Size-Dependent Formation Enthalpy of Nanocompounds. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16081-16083.	2.6	30
167	Superlens from metal-dielectric composites of nonspherical particles. <i>Physical Review B</i> , 2007, 76, .	3.2	30
168	Geometric Heat Flux for Classical Thermal Transport in Interacting Open Systems. <i>Physical Review Letters</i> , 2012, 108, 210603.	7.8	30
169	Realized Volatility and Absolute Return Volatility: A Comparison Indicating Market Risk. <i>PLoS ONE</i> , 2014, 9, e102940.	2.5	30
170	Triggering waves in nonlinear lattices: Quest for anharmonic phonons and corresponding mean-free paths. <i>Physical Review B</i> , 2014, 90, .	3.2	30
171	Separating the regular and irregular energy levels and their statistics in a Hamiltonian system with mixed classical dynamics. <i>Journal of Physics A</i> , 1995, 28, 4843-4857.	1.6	29
172	Uniform semiclassical approach to fidelity decay in the deep Lyapunov regime. <i>Physical Review E</i> , 2005, 71, 037202.	2.1	29
173	Heat conduction in simple networks: The effect of interchain coupling. <i>Physical Review E</i> , 2007, 76, 051118.	2.1	29
174	Simulation of crosstalk between small GTPase RhoA and EGFR-ERK signaling pathway via MEK1. <i>Bioinformatics</i> , 2009, 25, 358-364.	4.1	29
175	Diffusion of eccentric microswimmers. <i>Soft Matter</i> , 2016, 12, 2017-2024.	2.7	29
176	Localizations on complex networks. <i>Physical Review E</i> , 2008, 77, 066113.	2.1	28
177	Effect of Interfacial Thermal Resistance in a Thermal Cloak. <i>Physical Review Applied</i> , 2020, 13, .	3.8	28
178	Geometry of high-lying eigenfunctions in a plane billiard system having mixed-type classical dynamics. <i>Journal of Physics A</i> , 1995, 28, 2799-2818.	1.6	27
179	Entanglement-induced decoherence and energy eigenstates. <i>Physical Review A</i> , 2008, 77, .	2.5	27
180	Nanoscale Graphene Disk: A Natural Functionally Graded Material—How is Fourier's Law Violated along Radius Direction of 2D Disk. <i>Scientific Reports</i> , 2015, 5, 14878.	3.3	27

#	ARTICLE	IF	CITATIONS
181	Uniform semiclassical approach to fidelity decay: From weak to strong perturbation. Physical Review E, 2005, 71, 066203.	2.1	26
182	Ratchet Effect and the Transporting Islands in the Chaotic Sea. Physical Review Letters, 2007, 99, 244101.	7.8	26
183	Nonlinearity enhanced interfacial thermal conductance and rectification. Europhysics Letters, 2013, 103, 64002.	2.0	26
184	Derivation of Stable Microarray Cancer-Differentiating Signatures Using Consensus Scoring of Multiple Random Sampling and Gene-Ranking Consistency Evaluation. Cancer Research, 2007, 67, 9996-10003.	0.9	25
185	Current behavior of a quantum Hamiltonian ratchet in resonance. Physical Review E, 2007, 75, 011102.	2.1	25
186	Parameter-dependent thermal conductivity of one-dimensional ϕ^4 lattice. Physical Review E, 2007, 76, 011108.	2.1	25
187	Steering Bose-Einstein Condensates despite Time Symmetry. Physical Review Letters, 2009, 102, 130604.	7.8	25
188	Phonon Hall effect in four-terminal nano-junctions. New Journal of Physics, 2009, 11, 113038.	2.9	25
189	Thermal conductivities of one-dimensional anharmonic/nonlinear lattices: renormalized phonons and effective phonon theory. AIP Advances, 2012, 2, .	1.3	25
190	Spectral properties of directed random networks with modular structure. Physical Review E, 2011, 84, 046107.	2.1	24
191	Reciprocity of thermal diffusion in time-modulated systems. Nature Communications, 2022, 13, 167.	12.8	24
192	Thermal conductivity and thermal rectification in unzipped carbon nanotubes. Journal of Physics Condensed Matter, 2011, 23, 215301.	1.8	23
193	Thermal transport across metal-insulator interface via electron-phonon interaction. Journal of Physics Condensed Matter, 2013, 25, 445801.	1.8	23
194	Interfacial thermal conductance across metal-insulator/semiconductor interfaces due to surface states. Physical Review B, 2016, 93, .	3.2	23
195	Thickness-Dependent In-Plane Thermal Conductivity and Enhanced Thermoelectric Performance in p-Type ZrTe_5 Nanoribbons. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800529.	2.4	22
196	Weak signal transmission in complex networks and its application in detecting connectivity. Physical Review E, 2009, 80, 046102.	2.1	21
197	Desynchronization and on-off intermittency in complex networks. Europhysics Letters, 2009, 88, 28001.	2.0	21
198	Heat flux distribution and rectification of complex networks. New Journal of Physics, 2010, 12, 023016.	2.9	21

#	ARTICLE	IF	CITATIONS
199	Ballistic magnetothermal transport in a Heisenberg spin chain at low temperatures. <i>Physical Review B</i> , 2008, 78, .	3.2	20
200	Scaling of temperature-dependent thermal conductivities for one-dimensional nonlinear lattices. <i>Physical Review E</i> , 2013, 87, 042125.	2.1	20
201	Ballistic thermoelectric transport in structured nanowires. <i>New Journal of Physics</i> , 2014, 16, 065018.	2.9	20
202	Seismic invisibility: elastic wave cloaking via symmetrized transformation media. <i>New Journal of Physics</i> , 2018, 20, 063013.	2.9	20
203	Thermal-siphon phenomenon and thermal/electric conduction in complex networks. <i>National Science Review</i> , 2020, 7, 270-277.	9.5	20
204	Tunable phonon nanocapacitor built by carbon schwarzite based host-guest system. <i>Physical Review B</i> , 2020, 101, .	3.2	20
205	Statistical analysis of scars in stadium billiard. <i>Journal of Physics A</i> , 1998, 31, 483-504.	1.6	19
206	Interaction-induced quantum ratchet in a Bose-Einstein condensate. <i>Physical Review A</i> , 2007, 76, .	2.5	19
207	Stability of quantum motion in regular systems: A uniform semiclassical approach. <i>Physical Review E</i> , 2007, 75, 016201.	2.1	19
208	Impacts of size and cross-sectional shape on surface lattice constant and electron effective mass of silicon nanowires. <i>Applied Physics Letters</i> , 2009, 94, 113113.	3.3	19
209	Renormalized phonons in nonlinear lattices: A variational approach. <i>Physical Review E</i> , 2015, 91, 042910.	2.1	19
210	Detecting Thermal Cloaks via Transient Effects. <i>Scientific Reports</i> , 2016, 6, 32915.	3.3	19
211	Theoretical investigation on thermoelectric properties of Cu-based chalcopyrite compounds. <i>Physical Review B</i> , 2017, 95, .	3.2	19
212	Numerical study of scars in a chaotic billiard. <i>Physical Review E</i> , 1997, 55, 5376-5379.	2.1	18
213	Nonballistic heat conduction in an integrable random-exchange Ising chain studied with quantum master equations. <i>Physical Review B</i> , 2008, 77, .	3.2	18
214	Ratchet-induced matterâ€“wave transport and soliton collisions in Boseâ€“Einstein condensates. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 1338-1344.	2.8	18
215	Topological effect on thermal conductivity in graphene. <i>Journal of Applied Physics</i> , 2010, 108, 064307.	2.5	18
216	Anomalous thermal transport in disordered harmonic chains and carbon nanotubes. <i>Physical Review B</i> , 2011, 83, .	3.2	18

#	ARTICLE	IF	CITATIONS
217	Heat current limiter and constant heat current source. <i>Physical Review E</i> , 2012, 85, 061112.	2.1	18
218	Thermoelectric transport through a quantum nanoelectromechanical system and its backaction. <i>Physical Review B</i> , 2015, 91, .	3.2	18
219	Thermoelectric properties of nanoscale three dimensional Si phononic crystals. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 102-106.	4.8	18
220	Elastic Modulus and Thermal Conductivity of Thiolene/TiO ₂ Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25568-25575.	3.1	18
221	Phonon Renormalization Induced by Electric Field in Ferroelectric Poly(Vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td	3.8	18
222	Graded thermal conductivity in 2D and 3D homogeneous hotspot systems. <i>Materials Today Physics</i> , 2022, 22, 100605.	6.0	18
223	Relevance of chaos in numerical solutions of quantum billiards. <i>Physical Review E</i> , 1998, 57, 4095-4105.	2.1	17
224	Quantum Frenkel-Kontorova model: A squeezed state approach. <i>Physical Review E</i> , 1998, 58, R4068-R4071.	2.1	17
225	Cantori and dynamical localization in the Bunimovich stadium. <i>Physica D: Nonlinear Phenomena</i> , 1999, 131, 317-326.	2.8	17
226	Li, Zhao, and Hu Reply:. <i>Physical Review Letters</i> , 2001, 87, .	7.8	17
227	INTERFACE THERMAL RESISTANCE BETWEEN FRENKEL-KONTOROVA AND FERMI-PASTA-ULAM LATTICES. <i>International Journal of Modern Physics B</i> , 2007, 21, 4013-4016.	2.0	17
228	Now you hear me, now you don't. <i>Nature Materials</i> , 2010, 9, 962-963.	27.5	17
229	Acoustic cloaking by extraordinary sound transmission. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	17
230	Quantum thermal transport through anharmonic systems: A self-consistent approach. <i>Physical Review B</i> , 2016, 94, .	3.2	17
231	Squeezed state dynamics of kicked quantum systems. <i>Physical Review E</i> , 1998, 58, 1743-1756.	2.1	16
232	Large Negative Differential Resistance in a Molecular Junction of Carbon Nanotube and Anthracene. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16891-16894.	2.6	16
233	Size-dependent interface phonon transmission and thermal conductivity of nanolaminates. <i>Journal of Applied Physics</i> , 2008, 103, 084314.	2.5	16
234	Thermal boundary conductance across metal-nonmetal interfaces: effects of electron-phonon coupling both in metal and at interface. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	16

#	ARTICLE	IF	CITATIONS
235	Thermoelectric transport in hybrid materials incorporating metallic nanowires in polymer matrix. Applied Physics Letters, 2017, 110, .	3.3	16
236	Thermal conductivity of composites with nanoscale inclusions and size-dependent percolation. Journal of Physics Condensed Matter, 2008, 20, 365201.	1.8	15
237	Phonon Hall effect in ionic crystals in the presence of static magnetic field. European Physical Journal B, 2011, 81, 197-202.	1.5	15
238	Reverse engineering of complex dynamical networks in the presence of time-delayed interactions based on noisy time series. Chaos, 2012, 22, 033131.	2.5	15
239	Hopping processes explain linear rise in temperature of thermal conductivity in thermoelectric clathrates with off-center guest atoms. Physical Review B, 2017, 96, .	3.2	15
240	Influence of the degree of a complex network on heat conduction. Physical Review E, 2018, 98, 022115.	2.1	15
241	Dark state, zero-index and topology in phononic metamaterials with negative mass and negative coupling. New Journal of Physics, 2019, 21, 093033.	2.9	15
242	Quantum Frenkel-Kontorova model. Physica A: Statistical Mechanics and Its Applications, 2000, 288, 81-97.	2.6	14
243	Li and Wang Reply:. Physical Review Letters, 2004, 92, .	7.8	14
244	Multiresonance of energy transport and absence of heat pump in a force-driven lattice. Physical Review E, 2011, 84, 031122.	2.1	14
245	Spectral analysis of gene co-expression network of Zebrafish. Europhysics Letters, 2012, 99, 48004.	2.0	14
246	Exchange fluctuation theorem for heat transport between multiterminal harmonic systems. Physical Review E, 2014, 89, 052101.	2.1	14
247	Effects of lithium insertion on thermal conductivity of silicon nanowires. Applied Physics Letters, 2015, 106, .	3.3	14
248	Construction of 3D Conductive Network in Liquid Gallium with Enhanced Thermal and Electrical Performance. Advanced Materials Technologies, 2022, 7, 2100970.	5.8	14
249	Wall Thickness Effects on Raman Spectrum Shift, Thermal Conductivity, and Young's Modulus of Single-Walled Nanotubes. Journal of Physical Chemistry B, 2005, 109, 23823-23826.	2.6	13
250	Self-affine fractals embedded in spectra of complex networks. Physical Review E, 2008, 77, 045101.	2.1	13
251	Quantum transport of double quantum dots coupled to an oscillator in arbitrary strong coupling regime. European Physical Journal B, 2012, 85, 1.	1.5	13
252	Phonon-glass dynamics in thermoelectric clathrates. Physical Review B, 2016, 93, .	3.2	13

#	ARTICLE	IF	CITATIONS
253	Thermal transport in organic/inorganic composites. <i>Frontiers in Energy</i> , 2018, 12, 72-86.	2.3	13
254	A Unified Approach to Nonlinear Transformation Materials. <i>Scientific Reports</i> , 2018, 8, 4436.	3.3	13
255	Bidirectional Elastic Diode with Frequency-Preserved Nonreciprocity. <i>Physical Review Applied</i> , 2021, 15, .	3.8	13
256	Sensitivity of the eigenfunctions and the level curvature distribution in quantum billiards. <i>Journal of Physics A</i> , 1996, 29, 4387-4405.	1.6	12
257	Ground-state wave function of the quantum Frenkel-Kontorova model. <i>Europhysics Letters</i> , 1999, 46, 655-660.	2.0	12
258	Electronic Properties of the 1D Frenkel-Kontorova Model. <i>Physical Review Letters</i> , 2002, 88, 046804.	7.8	12
259	Universal Decay of the Classical Loschmidt Echo of Neutrally Stable Mixing Dynamics. <i>Physical Review Letters</i> , 2005, 94, 114101.	7.8	12
260	Thermal diode from two-dimensional asymmetrical Ising lattices. <i>Physical Review E</i> , 2011, 83, 061128.	2.1	12
261	Wave packet dynamics in one-dimensional linear and nonlinear generalized Fibonacci lattices. <i>Physical Review E</i> , 2011, 83, 056205.	2.1	12
262	Systemic risk in dynamical networks with stochastic failure criterion. <i>Europhysics Letters</i> , 2014, 106, 68003.	2.0	12
263	Temperature dependence of thermal conductivities of coupled rotator lattice and the momentum diffusion in standard map. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	12
264	High thermal conductivity and superior thermal stability of amorphous PMDA/ODA nanofiber. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	12
265	Anomalous transparency induced by cooperative disorders in phonon transport. <i>Physical Review B</i> , 2019, 99, .	3.2	12
266	Role of radiation in heat transfer from nanoparticles to gas media in photothermal measurements. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950024.	1.7	12
267	Acoustically manipulating internal structure of disk-in-sphere endoskeletal droplets. <i>Nature Communications</i> , 2022, 13, 987.	12.8	12
268	Conductance oscillation and quantization in monatomic Al wires. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 056010.	1.8	11
269	Thermodynamic stability of small-world oscillator networks: A case study of proteins. <i>Physical Review E</i> , 2009, 79, 051922.	2.1	11
270	Controlling self-sustained spiking activity by adding or removing one network link. <i>Europhysics Letters</i> , 2013, 102, 50002.	2.0	11

#	ARTICLE	IF	CITATIONS
271	Control of surface morphology and crystal structure of silicon nanowires and their coherent phonon transport characteristics. <i>Acta Materialia</i> , 2014, 64, 62-71.	7.9	11
272	Existence of Inverted Profile in Chemically Responsive Molecular Pathways in the Zebrafish Liver. <i>PLoS ONE</i> , 2011, 6, e27819.	2.5	11
273	Nonadiabatic geometric phase for the cyclic evolution of a time-dependent Hamiltonian system. <i>Physical Review A</i> , 1998, 58, 3448-3456.	2.5	10
274	Heat conduction in one dimensional systems: Fourier law, chaos, and heat control. , 2006, , 1-16.		10
275	Reduction of thermal conductivity of anharmonic lattices. <i>Physical Review B</i> , 2006, 74, .	3.2	10
276	Local and nonlocal entanglement for quasiparticle pairs induced by Andreev reflection. <i>Physical Review B</i> , 2006, 74, .	3.2	10
277	Classical heat transport in anharmonic molecular junctions: Exact solutions. <i>Physical Review E</i> , 2013, 87, 022122.	2.1	10
278	Inhomogeneous thermal conductivity enhances thermoelectric cooling. <i>AIP Advances</i> , 2014, 4, .	1.3	10
279	Fidelity of a Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 353, 216-220.	2.1	9
280	Heat generation and transport due to time-dependent forces. <i>Physical Review E</i> , 2011, 84, 041115.	2.1	9
281	Uncovering evolutionary ages of nodes in complex networks. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	9
282	Transient unidirectional energy flow and diode-like phenomenon induced by non-Markovian environments. <i>Scientific Reports</i> , 2015, 5, 15332.	3.3	9
283	Phonon transport in silicon nanowires: The reduced group velocity and surface-roughness scattering. <i>Physical Review B</i> , 2016, 94, .	3.2	9
284	Heat conduction and energy diffusion in momentum-conserving one-dimensional full-lattice dimer model. <i>Physical Review E</i> , 2016, 93, 022102.	2.1	9
285	Off-center rattling triggers high-temperature thermal transport in thermoelectric clathrates: Nonperturbative approach. <i>Physical Review B</i> , 2018, 97, .	3.2	9
286	Enhanced thermoelectric cooling performance with graded thermoelectric materials. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 071801.	1.5	9
287	Conformal interface of monolayer molybdenum diselenide/disulfide and dielectric substrate with improved thermal dissipation. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 385306.	2.8	9
288	Single-Shot Compressed Photoacoustic Tomographic Imaging with a Single Detector in a Scattering Medium. <i>Physical Review Applied</i> , 2020, 13, .	3.8	9

#	ARTICLE	IF	CITATIONS
289	Simulating EGFR-ERK Signaling Control by Scaffold Proteins KSR and MP1 Reveals Differential Ligand-Sensitivity Co-Regulated by Cbl-CIN85 and Endophilin. <i>PLoS ONE</i> , 2011, 6, e22933.	2.5	9
290	Mode-locking of incommensurate phase by quantum zero-point energy in the Frenkel-Kontorova model. <i>Europhysics Letters</i> , 2001, 53, 342-347.	2.0	8
291	Thermal Conductivity of One-Dimensional Lattices with Self-Consistent Heat Baths: A Heuristic Derivation. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 044001.	1.6	8
292	Cumulants of heat transfer across nonlinear quantum systems. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	8
293	Gallium ion implantation greatly reduces thermal conductivity and enhances electronic one of ZnO nanowires. <i>AIP Advances</i> , 2014, 4, .	1.3	8
294	Communication: Cargo towing by artificial swimmers. <i>Journal of Chemical Physics</i> , 2016, 145, 191103.	3.0	8
295	Stretch diffusion and heat conduction in one-dimensional nonlinear lattices. <i>Physical Review E</i> , 2016, 93, 032130.	2.1	8
296	Enhanced thermoelectric properties through minority carriers blocking in nanocomposites. <i>Journal of Applied Physics</i> , 2019, 126, 095107.	2.5	8
297	Monitoring anharmonic phonon transport across interfaces in one-dimensional lattice chains. <i>Physical Review E</i> , 2020, 101, 022133.	2.1	8
298	Heat Conduction in a One-Dimensional Harmonic Chain with Three-Dimensional Vibrations. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 074003.	1.6	7
299	Pathway sensitivity analysis for detecting proliferation activities of oncogenes and tumor suppressors of epidermal growth factor receptor extracellular signal-regulated protein kinase pathway at altered protein levels. <i>Cancer</i> , 2009, 115, 4246-4263.	4.1	7
300	Comment on "Coherent Ratchets in Driven Bose-Einstein Condensates". <i>Physical Review Letters</i> , 2010, 104, 228901; author reply 228902.	7.8	7
301	Thermal contraction in silicon nanowires at low temperatures. <i>Nanoscale</i> , 2010, 2, 2864.	5.6	7
302	Temperature-dependent thermal conductivities of one-dimensional nonlinear Klein-Gordon lattices with a soft on-site potential. <i>Physical Review E</i> , 2014, 90, 062122.	2.1	7
303	Preface to Special Topic: Phononics: controlling thermal energy, information carried by phonons and beyond. <i>AIP Advances</i> , 2015, 5, 053101.	1.3	7
304	Diffusion of active dimers in a Couette flow. <i>Soft Matter</i> , 2017, 13, 2793-2799.	2.7	7
305	Temperature and frequency dependent mean free paths of renormalized phonons in nonlinear lattices. <i>New Journal of Physics</i> , 2018, 20, 023006.	2.9	7
306	Probing thermal transport across amorphous region embedded in a single crystalline silicon nanowire. <i>Scientific Reports</i> , 2020, 10, 821.	3.3	7

#	ARTICLE	IF	CITATIONS
307	Dual-compressed photoacoustic single-pixel imaging. National Science Review, 2023, 10, .	9.5	7
308	Energy diffusion of simple networks under the spatiotemporal thermostats. European Physical Journal B, 2021, 94, 1.	1.5	7
309	Unified theory of second sound in two-dimensional materials. Physical Review B, 2022, 105, .	3.2	7
310	Correlations of chaotic eigenfunctions: a semiclassical analysis. Journal of Physics A, 2001, 34, 7381-7391.	1.6	6
311	General initial value form of the semiclassical propagator. Physical Review A, 2001, 63, .	2.5	6
312	Electron transport in interacting hybrid mesoscopic systems. European Physical Journal B, 2003, 32, 401-405.	1.5	6
313	Quantum resonance and antiresonance for a periodically kicked Bose-Einstein condensate in a one-dimensional box. Physical Review E, 2006, 73, 056203.	2.1	6
314	Influence of zero range process interaction on diffusion. Chaos, 2010, 20, 043135.	2.5	6
315	Wave-packet rectification in nonlinear electronic systems: A tunable Aharonov-Bohm diode. Scientific Reports, 2014, 4, 4566.	3.3	6
316	Variational approach to renormalized phonon in momentum-nonconserving nonlinear lattices. Europhysics Letters, 2016, 114, 40002.	2.0	6
317	Spin-dependent Seebeck effect in Aharonov-Bohm rings with Rashba and Dresselhaus spin-orbit interactions. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 80, 163-167.	2.7	6
318	Thermal conductance of the coupled-rotator chain: Influence of temperature and size. Europhysics Letters, 2017, 117, 60004.	2.0	6
319	Validity of local thermal equilibrium in anomalous heat diffusion. New Journal of Physics, 2019, 21, 083019.	2.9	6
320	New dynamics between volume and volatility. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 1343-1350.	2.6	6
321	Disturbance spreading in incommensurate and quasiperiodic systems. Physical Review B, 2000, 61, 9414-9418.	3.2	5
322	Dynamics of elastic waves in two-dimensional phononic crystals with chaotic defect. Applied Physics Letters, 2007, 91, 121902.	3.3	5
323	Experimental evidence of wave chaos from a double slit experiment with water surface waves. Physical Review E, 2008, 78, 047201.	2.1	5
324	Metabolic network analysis revealed distinct routes of deletion effects between essential and non-essential genes. Molecular BioSystems, 2012, 8, 1179.	2.9	5

#	ARTICLE	IF	CITATIONS
325	Inverted Expression Profiles of Sex-Biased Genes in Response to Toxicant Perturbations and Diseases. PLoS ONE, 2013, 8, e56668.	2.5	5
326	Thermal rectification in three dimensional graphite nanocones. International Journal of Heat and Mass Transfer, 2021, 179, 121675.	4.8	5
327	HEAT SWITCH AND MODULATOR: A MODEL OF THERMAL TRANSISTOR. International Journal of Modern Physics B, 2007, 21, 4017-4020.	2.0	4
328	Stability of Fock states in a two-component Bose-Einstein condensate with a regular classical counterpart. Physical Review E, 2008, 77, 056218.	2.1	4
329	Thermospin diode effect based on a quantum dot system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3638-3641.	2.1	4
330	Diffusion transients in convection rolls. Journal of Fluid Mechanics, 2021, 912, .	3.4	4
331	Toxicogenomic Analysis Suggests Chemical-Induced Sexual Dimorphism in the Expression of Metabolic Genes in Zebrafish Liver. PLoS ONE, 2012, 7, e51971.	2.5	4
332	Negative rectification and anomalous diffusion in nonlinear substrate potentials: Dynamical relaxation and information entropy. Physical Review E, 2022, 105, 024204.	2.1	4
333	Numerical accuracy of Bogomolny's semiclassical quantization scheme in quantum billiards. Journal of Physics A, 1999, 32, 5419-5433.	1.6	3
334	Universal statistics of wave functions in chaotic and disordered systems. Europhysics Letters, 2000, 50, 300-306.	2.0	3
335	Preface to Special Topic: Selected Articles from Phononics 2013: The Second International Conference on Phononic Crystals/Metamaterials, Phonon Transport and Optomechanics, 2-7 June 2013, Sharm El-Sheikh, Egypt. AIP Advances, 2014, 4, .	1.3	3
336	Thermal conductivity of one-dimensional organic nanowires: effect of mass difference phonon scattering. Nanotechnology, 2020, 31, 324003.	2.6	3
337	Fröhlich condensate of phonons in optomechanical systems. Physical Review A, 2021, 104, .	2.5	3
338	SIZE-DEPENDENT MELTING TEMPERATURE AND THERMAL CONDUCTIVITY OF NANOSCALE SEMICONDUCTORS. International Journal of Modern Physics B, 2007, 21, 4026-4029.	2.0	2
339	PUMPING CURRENT IN A QUANTUM DOT BY AN OSCILLATING MAGNETIC FIELD. International Journal of Modern Physics B, 2007, 21, 4284-4288.	2.0	2
340	Enhancing mammalian hearing by a balancing between spontaneous otoacoustic emissions and spatial coupling. Europhysics Letters, 2012, 98, 20005.	2.0	2
341	Growth Versus Government Management Improvement During Economic Downturn. Scientific Reports, 2013, 3, 1612.	3.3	2
342	Thermoelectric effect in Aharonov-Bohm structures. Journal of Physics Condensed Matter, 2015, 27, 035301.	1.8	2

#	ARTICLE	IF	CITATIONS
343	Sensing coherent phonons with two-photon interference. <i>New Journal of Physics</i> , 2018, 20, 023008.	2.9	2
344	A topological wave transistor protected by the Euler characteristic. <i>Journal of Applied Physics</i> , 2018, 123, 224505.	2.5	2
345	Thermoelectric Conversion From Interface Thermophoresis and Piezoelectric Effects. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2
346	Fringe structure in the phase-space dynamics of atomic stabilization in an intense field. <i>Chinese Physics B</i> , 2000, 9, 24-30.	1.3	1
347	Modification to the pre-factor of the semiclassical propagator. <i>Europhysics Letters</i> , 2005, 69, 692-698.	2.0	1
348	Ergodicity of the Stochastic Nosé-Hoover Heat Bath. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 074402.	1.6	1
349	Localized vibrational, edges and breathing modes of graphene nanoribbons with topological line defects. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	1
350	Spin-dependent Seebeck effect in asymmetric four-terminal systems with Rashba spin-orbit coupling. <i>Europhysics Letters</i> , 2015, 110, 38004.	2.0	1
351	A method to calculate thermal conductivity of a nonperiodic system, bamboo Si ^{1-x} Ge ^x nanowire with axially degraded components. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	1
352	Quantum energy transfer between a nonlinearly coupled bosonic bath and a fermionic chain: An exactly solvable model. <i>Physical Review A</i> , 2020, 101, .	2.5	1
353	Nonequilibrium properties of the one-dimensional hard-point gas system. <i>Physical Review E</i> , 2006, 74, 037201.	2.1	0
354	STABILITY OF QUANTUM MOTION: A SEMICLASSICAL APPROACH. <i>International Journal of Modern Physics B</i> , 2007, 21, 4280-4283.	2.0	0
355	Normal modes of a small bilayer system of binary classical charged particles trapped in a parabolic confinement potential. <i>Physical Review E</i> , 2008, 78, 041401.	2.1	0
356	Understanding photon sideband statistics and correlation for determining phonon coherence. <i>Physical Review B</i> , 2018, 97, .	3.2	0