

Baowen Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

349
papers

19,209
citations

72
h-index

127
g-index

360
ext. papers

21,526
ext. citations

5.1
avg. IF

7.21
L-index

#	Paper	IF	Citations
349	Reciprocity of thermal diffusion in time-modulated systems.. <i>Nature Communications</i> , 2022 , 13, 167	17.4	4
348	Graded thermal conductivity in 2D and 3D homogeneous hotspot systems. <i>Materials Today Physics</i> , 2022 , 22, 100605	8	4
347	Negative rectification and anomalous diffusion in nonlinear substrate potentials: Dynamical relaxation and information entropy.. <i>Physical Review E</i> , 2022 , 105, 024204	2.4	0
346	Acoustically manipulating internal structure of disk-in-sphere endoskeletal droplets.. <i>Nature Communications</i> , 2022 , 13, 987	17.4	0
345	Transforming heat transfer with thermal metamaterials and devices. <i>Nature Reviews Materials</i> , 2021 , 6, 488-507	73.3	68
344	Diffusion transients in convection rolls. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3.7	4
343	Thermal rectification in three dimensional graphite nanocones. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 179, 121675	4.9	0
342	Energy diffusion of simple networks under the spatiotemporal thermostats. <i>European Physical Journal B</i> , 2021 , 94, 1	1.2	2
341	Monitoring anharmonic phonon transport across interfaces in one-dimensional lattice chains. <i>Physical Review E</i> , 2020 , 101, 022133	2.4	4
340	Single-Shot Compressed Photoacoustic Tomographic Imaging with a Single Detector in a Scattering Medium. <i>Physical Review Applied</i> , 2020 , 13,	4.3	4
339	Effect of Interfacial Thermal Resistance in a Thermal Cloak. <i>Physical Review Applied</i> , 2020 , 13,	4.3	13
338	Probing thermal transport across amorphous region embedded in a single crystalline silicon nanowire. <i>Scientific Reports</i> , 2020 , 10, 821	4.9	3
337	Tunable phonon nanocapacitor built by carbon schwarzite based host-guest system. <i>Physical Review B</i> , 2020 , 101,	3.3	12
336	Phonon Renormalization Induced by Electric Field in Ferroelectric Poly(Vinylidene Fluoride)trifluoroethylene) Nanofibers. <i>Physical Review Applied</i> , 2020 , 13,	4.3	9
335	Thermal conductivity of one-dimensional organic nanowires: effect of mass difference phonon scattering. <i>Nanotechnology</i> , 2020 , 31, 324003	3.4	2
334	A Ubiquitous Thermal Conductivity Formula for Liquids, Polymer Glass, and Amorphous Solids. <i>Chinese Physics Letters</i> , 2020 , 37, 104401	1.8	11
333	Thermal-siphon phenomenon and thermal/electric conduction in complex networks. <i>National Science Review</i> , 2020 , 7, 270-277	10.8	7

332	Thermal Transport in 2D Semiconductors—Considerations for Device Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1903929	15.6	41
331	Validity of local thermal equilibrium in anomalous heat diffusion. <i>New Journal of Physics</i> , 2019 , 21, 083019	19	5
330	Enhanced thermoelectric properties through minority carriers blocking in nanocomposites. <i>Journal of Applied Physics</i> , 2019 , 126, 095107	2.5	3
329	Conformal interface of monolayer molybdenum diselenide/disulfide and dielectric substrate with improved thermal dissipation. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 385306	3	6
328	Anomalous transparency induced by cooperative disorders in phonon transport. <i>Physical Review B</i> , 2019 , 99,	3.3	4
327	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	1.1	9
326	New dynamics between volume and volatility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 525, 1343-1350	3.3	4
325	Dark state, zero-index and topology in phononic metamaterials with negative mass and negative coupling. <i>New Journal of Physics</i> , 2019 , 21, 093033	2.9	8
324	Thickness-Dependent In-Plane Thermal Conductivity and Enhanced Thermoelectric Performance in p-Type ZrTe ₅ Nanoribbons. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1800529	2.5	11
323	Thermal Conductivity of Polymers and Their Nanocomposites. <i>Advanced Materials</i> , 2018 , 30, e1705544	24	266
322	Thermal transport in organic/inorganic composites. <i>Frontiers in Energy</i> , 2018 , 12, 72-86	2.6	13
321	Dimensional crossover of heat conduction in amorphous polyimide nanofibers. <i>National Science Review</i> , 2018 , 5, 500-506	10.8	25
320	Thermal metamaterials: functions and prospects. <i>National Science Review</i> , 2018 , 5, 138-141	10.8	33
319	Thermal conductivity of suspended few-layer MoS ₂ . <i>Nanoscale</i> , 2018 , 10, 2727-2734	7.7	46
318	A Unified Approach to Nonlinear Transformation Materials. <i>Scientific Reports</i> , 2018 , 8, 4436	4.9	9
317	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	10.6	37
316	Temperature and frequency dependent mean free paths of renormalized phonons in nonlinear lattices. <i>New Journal of Physics</i> , 2018 , 20, 023006	2.9	4
315	Tailoring the Thermal and Mechanical Properties of Graphene Film by Structural Engineering. <i>Small</i> , 2018 , 14, e1801346	11	70

314	Enhanced thermoelectric cooling performance with graded thermoelectric materials. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 071801	1.4	8
313	Influence of the degree of a complex network on heat conduction. <i>Physical Review E</i> , 2018 , 98, 022115	2.4	4
312	High thermal conductivity and superior thermal stability of amorphous PMDA/ODA nanofiber. <i>Applied Physics Letters</i> , 2018 , 112, 221904	3.4	6
311	A topological wave transistor protected by the Euler characteristic. <i>Journal of Applied Physics</i> , 2018 , 123, 224505	2.5	1
310	Colloquium: Phononic thermal properties of two-dimensional materials. <i>Reviews of Modern Physics</i> , 2018 , 90,	40.5	141
309	Sensing coherent phonons with two-photon interference. <i>New Journal of Physics</i> , 2018 , 20, 023008	2.9	2
308	Probing the Physical Origin of Anisotropic Thermal Transport in Black Phosphorus Nanoribbons. <i>Advanced Materials</i> , 2018 , 30, e1804928	24	31
307	Full-Parameter Omnidirectional Thermal Metadevices of Anisotropic Geometry. <i>Advanced Materials</i> , 2018 , 30, e1804019	24	61
306	Thermal rectification in Y-junction carbon nanotube bundle. <i>Carbon</i> , 2018 , 140, 673-679	10.4	24
305	Seismic invisibility: elastic wave cloaking via symmetrized transformation media. <i>New Journal of Physics</i> , 2018 , 20, 063013	2.9	13
304	Reducing lattice thermal conductivity in schwarzites via engineering the hybridized phonon modes. <i>Carbon</i> , 2018 , 139, 289-298	10.4	35
303	Off-center rattling triggers high-temperature thermal transport in thermoelectric clathrates: Nonperturbative approach. <i>Physical Review B</i> , 2018 , 97,	3.3	7
302	Randomness-Induced Phonon Localization in Graphene Heat Conduction. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3959-3968	6.4	76
301	Theoretical investigation on thermoelectric properties of Cu-based chalcopyrite compounds. <i>Physical Review B</i> , 2017 , 95,	3.3	12
300	Thermal transport in graphene with defect and doping: Phonon modes analysis. <i>Carbon</i> , 2017 , 116, 139-144	10.4	86
299	Thermal conduction across a boron nitride and SiO ₂ interface. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 104002	3	29
298	Hexagonal boron nitride: a promising substrate for graphene with high heat dissipation. <i>Nanotechnology</i> , 2017 , 28, 225704	3.4	54
297	A Series Circuit of Thermal Rectifiers: An Effective Way to Enhance Rectification Ratio. <i>Small</i> , 2017 , 13, 1602726	11	35

296	Thermal conductance of the coupled-rotator chain: Influence of temperature and size. <i>Europhysics Letters</i> , 2017 , 117, 60004	1.6	2
295	Thermoelectric transport in hybrid materials incorporating metallic nanowires in polymer matrix. <i>Applied Physics Letters</i> , 2017 , 110, 113102	3.4	14
294	Diffusion of active dimers in a Couette flow. <i>Soft Matter</i> , 2017 , 13, 2793-2799	3.6	5
293	Elastic Modulus and Thermal Conductivity of Thiolene/TiO Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25568-25575	3.8	10
292	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	1.2	1
291	Ultralow Thermal Conductivity of Single-Crystalline Porous Silicon Nanowires. <i>Advanced Functional Materials</i> , 2017 , 27, 1702824	15.6	35
290	Hopping processes explain linear rise in temperature of thermal conductivity in thermoelectric clathrates with off-center guest atoms. <i>Physical Review B</i> , 2017 , 96,	3.3	11
289	Negative Gaussian curvature induces significant suppression of thermal conduction in carbon crystals. <i>Nanoscale</i> , 2017 , 9, 14208-14214	7.7	25
288	Energy transfer in the nonequilibrium spin-boson model: From weak to strong coupling. <i>Physical Review E</i> , 2017 , 96, 012135	2.4	25
287	Engineering the thermal conductivity along an individual silicon nanowire by selective helium ion irradiation. <i>Nature Communications</i> , 2017 , 8, 15919	17.4	45
286	Variational approach to renormalized phonon in momentum-nonconserving nonlinear lattices. <i>Europhysics Letters</i> , 2016 , 114, 40002	1.6	4
285	Phonon transport in silicon nanowires: The reduced group velocity and surface-roughness scattering. <i>Physical Review B</i> , 2016 , 94,	3.3	7
284	Interfacial thermal conductance across metal-insulator/semiconductor interfaces due to surface states. <i>Physical Review B</i> , 2016 , 93,	3.3	19
283	Phonon-glass dynamics in thermoelectric clathrates. <i>Physical Review B</i> , 2016 , 93,	3.3	10
282	Heat conduction and energy diffusion in momentum-conserving one-dimensional full-lattice ding-a-ling model. <i>Physical Review E</i> , 2016 , 93, 022102	2.4	8
281	Stretch diffusion and heat conduction in one-dimensional nonlinear lattices. <i>Physical Review E</i> , 2016 , 93, 032130	2.4	7
280	Superior thermal conductivity in suspended bilayer hexagonal boron nitride. <i>Scientific Reports</i> , 2016 , 6, 25334	4.9	87
279	Detecting Thermal Cloaks via Transient Effects. <i>Scientific Reports</i> , 2016 , 6, 32915	4.9	15

278	Manipulating the temperature dependence of the thermal conductivity of graphene phononic crystal. <i>Nanotechnology</i> , 2016 , 27, 265702	3.4	23
277	Diffusion of eccentric microswimmers. <i>Soft Matter</i> , 2016 , 12, 2017-24	3.6	28
276	Spin-dependent Seebeck effect in Aharonov-Bohm rings with Rashba and Dresselhaus spin-orbit interactions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 80, 163-167	3	6
275	Communication: Cargo towing by artificial swimmers. <i>Journal of Chemical Physics</i> , 2016 , 145, 191103	3.9	7
274	Layer thickness-dependent phonon properties and thermal conductivity of MoS ₂ . <i>Journal of Applied Physics</i> , 2016 , 119, 085106	2.5	89
273	Thermoelectric properties of nanoscale three dimensional Si phononic crystals. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 99, 102-106	4.9	15
272	Phonon thermal conduction in novel 2D materials. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 483001	1.8	54
271	Quantum thermal transport through anharmonic systems: A self-consistent approach. <i>Physical Review B</i> , 2016 , 94,	3.3	12
270	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	1.2	10
269	Acoustic cloaking by extraordinary sound transmission. <i>Journal of Applied Physics</i> , 2015 , 117, 214507	2.5	14
268	Renormalized phonons in nonlinear lattices: A variational approach. <i>Physical Review E</i> , 2015 , 91, 042910	2.4	16
267	Ultracompact interference phonon nanocapacitor for storage and lasing of coherent terahertz lattice waves. <i>Physical Review Letters</i> , 2015 , 114, 145501	7.4	37
266	Manipulating Steady Heat Conduction by Sensu-shaped Thermal Metamaterials. <i>Scientific Reports</i> , 2015 , 5, 10242	4.9	50
265	Direction dependent thermal conductivity of monolayer phosphorene: Parameterization of Stillinger-Weber potential and molecular dynamics study. <i>Journal of Applied Physics</i> , 2015 , 117, 214308	2.5	56
264	1D momentum-conserving systems: the conundrum of anomalous versus normal heat transport. <i>New Journal of Physics</i> , 2015 , 17, 043064	2.9	34
263	Effects of lithium insertion on thermal conductivity of silicon nanowires. <i>Applied Physics Letters</i> , 2015 , 106, 173901	3.4	12
262	Significant reduction of graphene thermal conductivity by phononic crystal structure. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 91, 428-432	4.9	66
261	Preface to Special Topic: Phononics: controlling thermal energy, information carried by phonons and beyond. <i>AIP Advances</i> , 2015 , 5, 053101	1.5	7

260	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	1.2	8
259	Invisible Sensors: Simultaneous Sensing and Camouflaging in Multiphysical Fields. <i>Advanced Materials</i> , 2015 , 27, 7752-8	24	145
258	Thermoelectric transport through a quantum nanoelectromechanical system and its backaction. <i>Physical Review B</i> , 2015 , 91,	3.3	13
257	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	4.9	19
256	Transient unidirectional energy flow and diode-like phenomenon induced by non-Markovian environments. <i>Scientific Reports</i> , 2015 , 5, 15332	4.9	7
255	Thermal management in MoS2 based integrated device using near-field radiation. <i>Applied Physics Letters</i> , 2015 , 107, 133108	3.4	27
254	Boosting thermoelectric efficiency using time-dependent control. <i>Scientific Reports</i> , 2015 , 5, 14870	4.9	26
253	Thermal conductivity of penta-graphene from molecular dynamics study. <i>Journal of Chemical Physics</i> , 2015 , 143, 154703	3.9	68
252	Competing for Attention in Social Media under Information Overload Conditions. <i>PLoS ONE</i> , 2015 , 10, e0126090	3.7	59
251	Spin-dependent Seebeck effect in asymmetric four-terminal systems with Rashba spin-orbit coupling. <i>Europhysics Letters</i> , 2015 , 110, 38004	1.6	1
250	Thermal Interface Conductance Between Aluminum and Silicon by Molecular Dynamics Simulations. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 168-174	0.3	54
249	Thermoelectric effect in Aharonov-Bohm structures. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 035308	0.3	1
248	Molecular Dynamics Simulations for Computing Thermal Conductivity of Nanomaterials: Molecular Dynamics Simulations for Computing Thermal Conductivity of Nanomaterials 2015 , 1-57		
247	Low thermal conductivity in ultrathin carbon nanotube (2, 1). <i>Scientific Reports</i> , 2014 , 4, 4917	4.9	32
246	Wave-packet rectification in nonlinear electronic systems: a tunable Aharonov-Bohm diode. <i>Scientific Reports</i> , 2014 , 4, 4566	4.9	5
245	Full control and manipulation of heat signatures: cloaking, camouflage and thermal metamaterials. <i>Advanced Materials</i> , 2014 , 26, 1731-4	24	262
244	Extreme low thermal conductivity in nanoscale 3D Si phononic crystal with spherical pores. <i>Nano Letters</i> , 2014 , 14, 1734-8	11.5	128
243	Length-dependent thermal conductivity in suspended single-layer graphene. <i>Nature Communications</i> , 2014 , 5, 3689	17.4	603

242	Anomalous heat diffusion. <i>Physical Review Letters</i> , 2014 , 112, 040601	7.4	92
241	Experimental demonstration of a bilayer thermal cloak. <i>Physical Review Letters</i> , 2014 , 112, 054302	7.4	362
240	Thermospin diode effect based on a quantum dot system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 3638-3641	2.3	2
239	Profiling nanowire thermal resistance with a spatial resolution of nanometers. <i>Nano Letters</i> , 2014 , 14, 806-12	11.5	47
238	Control of surface morphology and crystal structure of silicon nanowires and their coherent phonon transport characteristics. <i>Acta Materialia</i> , 2014 , 64, 62-71	8.4	11
237	Manipulation of acoustic focusing with an active and configurable planar metasurface transducer. <i>Scientific Reports</i> , 2014 , 4, 6257	4.9	62
236	Realized volatility and absolute return volatility: a comparison indicating market risk. <i>PLoS ONE</i> , 2014 , 9, e102940	3.7	17
235	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. <i>AIP Advances</i> , 2014 , 4, 124101	1.5	3
234	Inhomogeneous thermal conductivity enhances thermoelectric cooling. <i>AIP Advances</i> , 2014 , 4, 124501	1.5	8
233	Ballistic thermoelectric transport in structured nanowires. <i>New Journal of Physics</i> , 2014 , 16, 065018	2.9	16
232	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	2.4	7
231	Exchange fluctuation theorem for heat transport between multiterminal harmonic systems. <i>Physical Review E</i> , 2014 , 89, 052101	2.4	13
230	Gallium ion implantation greatly reduces thermal conductivity and enhances electronic one of ZnO nanowires. <i>AIP Advances</i> , 2014 , 4, 057128	1.5	7
229	Manipulating chiral microswimmers in a channel. <i>Physical Review E</i> , 2014 , 90, 062301	2.4	46
228	Interfacial thermal resistance and thermal rectification between suspended and encased single layer graphene. <i>Journal of Applied Physics</i> , 2014 , 116, 134303	2.5	41
227	Triggering waves in nonlinear lattices: Quest for anharmonic phonons and corresponding mean-free paths. <i>Physical Review B</i> , 2014 , 90,	3.3	26
226	Coexistence of size-dependent and size-independent thermal conductivities in phosphorene. <i>Physical Review B</i> , 2014 , 90,	3.3	159
225	Systemic risk in dynamical networks with stochastic failure criterion. <i>Europhysics Letters</i> , 2014 , 106, 680036		10

224	Theoretical realization of an ultra-efficient thermal-energy harvesting cell made of natural materials. <i>Energy and Environmental Science</i> , 2013 , 6, 3537	35.4	99
223	Localized vibrational, edges and breathing modes of graphene nanoribbons with topological line defects. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	1
222	Validity of Fourier's law in one-dimensional momentum-conserving lattices with asymmetric interparticle interactions. <i>Physical Review E</i> , 2013 , 88, 052112	2.4	57
221	Cumulants of heat transfer across nonlinear quantum systems. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	7
220	Substrate coupling suppresses size dependence of thermal conductivity in supported graphene. <i>Nanoscale</i> , 2013 , 5, 532-6	7.7	153
219	Thermal transport across metal-insulator interface via electron-phonon interaction. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 445801	1.8	18
218	Classical heat transport in anharmonic molecular junctions: exact solutions. <i>Physical Review E</i> , 2013 , 87, 022122	2.4	10
217	Reduction of thermal conductivity by nanoscale 3D phononic crystal. <i>Scientific Reports</i> , 2013 , 3, 1143	4.9	39
216	Suppressing thermal conductivity of suspended tri-layer graphene by gold deposition. <i>Advanced Materials</i> , 2013 , 25, 6884-8	24	43
215	Topological magnon insulator in insulating ferromagnet. <i>Physical Review B</i> , 2013 , 87,	3.3	195
214	Growth versus government management improvement during economic downturn. <i>Scientific Reports</i> , 2013 , 3, 1612	4.9	1
213	Nonlinearity enhanced interfacial thermal conductance and rectification. <i>Europhysics Letters</i> , 2013 , 103, 64002	1.6	20
212	Homogeneous thermal cloak with constant conductivity and tunable heat localization. <i>Scientific Reports</i> , 2013 , 3, 1593	4.9	161
211	Controlling self-sustained spiking activity by adding or removing one network link. <i>Europhysics Letters</i> , 2013 , 102, 50002	1.6	7
210	Scaling of temperature-dependent thermal conductivities for one-dimensional nonlinear lattices. <i>Physical Review E</i> , 2013 , 87, 042125	2.4	18
209	Redirection of sound waves using acoustic metasurface. <i>Applied Physics Letters</i> , 2013 , 103, 151604	3.4	111
208	Manipulating acoustic wavefront by inhomogeneous impedance and steerable extraordinary reflection. <i>Scientific Reports</i> , 2013 , 3, 2537	4.9	117
207	Inverted expression profiles of sex-biased genes in response to toxicant perturbations and diseases. <i>PLoS ONE</i> , 2013 , 8, e56668	3.7	4

206	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	2.3	35
205	Uncovering evolutionary ages of nodes in complex networks. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	7
204	Quantum transport of double quantum dots coupled to an oscillator in arbitrary strong coupling regime. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	12
203	Impacts of atomistic coating on thermal conductivity of germanium nanowires. <i>Nano Letters</i> , 2012 , 12, 2826-32	11.5	88
202	Metabolic network analysis revealed distinct routes of deletion effects between essential and non-essential genes. <i>Molecular BioSystems</i> , 2012 , 8, 1179-86		5
201	Quantum hyperdiffusion in one-dimensional tight-binding lattices. <i>Physical Review Letters</i> , 2012 , 108, 070603	7.4	25
200	Thermoelectric properties of one-dimensional graphene antidot arrays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 2425-2429	2.3	40
199	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, 8388-93	11.5	110
198	Logarithmic divergent thermal conductivity in two-dimensional nonlinear lattices. <i>Physical Review E</i> , 2012 , 86, 040101	2.4	51
197	Anomalous heat conduction and anomalous diffusion in low dimensional nanoscale systems. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	93
196	Thermal transport in nanostructures. <i>AIP Advances</i> , 2012 , 2, 041410	1.5	113
195	Thermal contact resistance across nanoscale silicon dioxide and silicon interface. <i>Journal of Applied Physics</i> , 2012 , 112, 064319	2.5	84
194	Thermoelectric transport with electron-phonon coupling and electron-electron interaction in molecular junctions. <i>Physical Review B</i> , 2012 , 85,	3.3	57
193	Thermal conductivities of one-dimensional anharmonic/nonlinear lattices: renormalized phonons and effective phonon theory. <i>AIP Advances</i> , 2012 , 2, 041408	1.5	25
192	How does folding modulate thermal conductivity of graphene?. <i>Applied Physics Letters</i> , 2012 , 100, 093103	7.4	72
191	Diameter-dependent thermal transport in individual ZnO nanowires and its correlation with surface coating and defects. <i>Small</i> , 2012 , 8, 738-45	11	49
190	Controlling complex networks: how much energy is needed?. <i>Physical Review Letters</i> , 2012 , 108, 218703	7.4	249
189	Geometric heat flux for classical thermal transport in interacting open systems. <i>Physical Review Letters</i> , 2012 , 108, 210603	7.4	20

188	Colloquium: Phononics: Manipulating heat flow with electronic analogs and beyond. <i>Reviews of Modern Physics</i> , 2012 , 84, 1045-1066	40.5	882
187	Heat current limiter and constant heat current source. <i>Physical Review E</i> , 2012 , 85, 061112	2.4	15
186	Reverse engineering of complex dynamical networks in the presence of time-delayed interactions based on noisy time series. <i>Chaos</i> , 2012 , 22, 033131	3.3	13
185	Full-counting statistics of heat transport in harmonic junctions: transient, steady states, and fluctuation theorems. <i>Physical Review E</i> , 2012 , 85, 051142	2.4	40
184	Spectral analysis of gene co-expression network of Zebrafish. <i>Europhysics Letters</i> , 2012 , 99, 48004	1.6	14
183	High thermoelectric figure of merit in silicon-germanium superlattice structured nanowires. <i>Applied Physics Letters</i> , 2012 , 101, 233114	3.4	29
182	Enhancing mammalian hearing by a balancing between spontaneous otoacoustic emissions and spatial coupling. <i>Europhysics Letters</i> , 2012 , 98, 20005	1.6	2
181	Changes in cross-correlations as an indicator for systemic risk. <i>Scientific Reports</i> , 2012 , 2, 888	4.9	64
180	Toxicogenomic analysis suggests chemical-induced sexual dimorphism in the expression of metabolic genes in zebrafish liver. <i>PLoS ONE</i> , 2012 , 7, e51971	3.7	4
179	Anomalous thermal transport in disordered harmonic chains and carbon nanotubes. <i>Physical Review B</i> , 2011 , 83,	3.3	16
178	Interfacial thermal transport in atomic junctions. <i>Physical Review B</i> , 2011 , 83,	3.3	80
177	Thermal conductivity and thermal rectification in unzipped carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 215301	1.8	18
176	The phonon Hall effect: theory and application. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 305402	1.8	30
175	Phonon Hall effect in ionic crystals in the presence of static magnetic field. <i>European Physical Journal B</i> , 2011 , 81, 197-202	1.2	11
174	Heat generation and transport due to time-dependent forces. <i>Physical Review E</i> , 2011 , 84, 041115	2.4	7
173	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	15.6	114
172	A nonequilibrium Green's function study of thermoelectric properties in single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2011 , 109, 014326	2.5	89
171	A universal gauge for thermal conductivity of silicon nanowires with different cross sectional geometries. <i>Journal of Chemical Physics</i> , 2011 , 135, 204705	3.9	46

170	Thermal transport in suspended and supported few-layer graphene. <i>Nano Letters</i> , 2011 , 11, 113-8	11.5	214
169	Spectral properties of directed random networks with modular structure. <i>Physical Review E</i> , 2011 , 84, 046107	2.4	20
168	Multiresonance of energy transport and absence of heat pump in a force-driven lattice. <i>Physical Review E</i> , 2011 , 84, 031122	2.4	9
167	Thermal diode from two-dimensional asymmetrical Ising lattices. <i>Physical Review E</i> , 2011 , 83, 061128	2.4	11
166	Wave packet dynamics in one-dimensional linear and nonlinear generalized Fibonacci lattices. <i>Physical Review E</i> , 2011 , 83, 056205	2.4	9
165	Phonon coherent resonance and its effect on thermal transport in core-shell nanowires. <i>Journal of Chemical Physics</i> , 2011 , 135, 104508	3.9	86
164	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	3.7	9
163	Existence of inverted profile in chemically responsive molecular pathways in the zebrafish liver. <i>PLoS ONE</i> , 2011 , 6, e27819	3.7	11
162	Phonon interference at self-assembled monolayer interfaces: Molecular dynamics simulations. <i>Physical Review B</i> , 2010 , 81,	3.3	78
161	Noise bridges dynamical correlation and topology in coupled oscillator networks. <i>Physical Review Letters</i> , 2010 , 104, 058701	7.4	136
160	Large thermoelectric figure of merit in Si _{1-x} Ge _x nanowires. <i>Applied Physics Letters</i> , 2010 , 96, 173108	3.4	58
159	Comment on "Coherent ratchets in driven Bose-Einstein condensates". <i>Physical Review Letters</i> , 2010 , 104, 228901; author reply 228902	7.4	7
158	Elastic and nonlinear stiffness of graphene: A simple approach. <i>Physical Review B</i> , 2010 , 81,	3.3	32
157	Energy carriers in the Fermi-Pasta-Ulam lattice: solitons or phonons?. <i>Physical Review Letters</i> , 2010 , 105, 054102	7.4	63
156	Emergence and control of heat current from strict zero thermal bias. <i>Physical Review E</i> , 2010 , 81, 021111	2.4	39
155	Random matrix analysis of localization properties of gene coexpression network. <i>Physical Review E</i> , 2010 , 81, 046118	2.4	32
154	Heat flux distribution and rectification of complex networks. <i>New Journal of Physics</i> , 2010 , 12, 023016	2.9	16
153	Ergodicity of the Stochastic Nosé-Hoover Heat Bath. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 074402	1.5	1

152	Topological effect on thermal conductivity in graphene. <i>Journal of Applied Physics</i> , 2010 , 108, 064307	2.5	17
151	Ballistic thermal rectification in nanoscale three-terminal junctions. <i>Physical Review B</i> , 2010 , 81,	3.3	54
150	Molecular Dynamics Simulations of Heat Conduction in Nanostructures: Effect of Heat Bath. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 074604	1.5	71
149	Berry-phase-induced heat pumping and its impact on the fluctuation theorem. <i>Physical Review Letters</i> , 2010 , 104, 170601	7.4	152
148	Topological nature of the phonon Hall effect. <i>Physical Review Letters</i> , 2010 , 105, 225901	7.4	147
147	Topology-induced thermal rectification in carbon nanodevice. <i>Europhysics Letters</i> , 2010 , 89, 46005	1.6	37
146	Impacts of doping on thermal and thermoelectric properties of nanomaterials. <i>Nanoscale</i> , 2010 , 2, 1058-68	6.9	118
145	Remarkable reduction of thermal conductivity in silicon nanotubes. <i>Nano Letters</i> , 2010 , 10, 3978-83	11.5	140
144	Influence of zero range process interaction on diffusion. <i>Chaos</i> , 2010 , 20, 043135	3.3	6
143	Isotopic effects on the thermal conductivity of graphene nanoribbons: Localization mechanism. <i>Journal of Applied Physics</i> , 2010 , 107, 054314	2.5	112
142	Thermal contraction in silicon nanowires at low temperatures. <i>Nanoscale</i> , 2010 , 2, 2864-7	7.7	6
141	Violation of Fourier's law and anomalous heat diffusion in silicon nanowires. <i>Nano Today</i> , 2010 , 5, 85-90	17.9	191
140	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	2.3	54
139	Thermal conductance of graphene and dimerite. <i>Physical Review B</i> , 2009 , 79,	3.3	108
138	Thermodynamic stability of small-world oscillator networks: a case study of proteins. <i>Physical Review E</i> , 2009 , 79, 051922	2.4	8
137	Reversal of thermal rectification in quantum systems. <i>Physical Review B</i> , 2009 , 80,	3.3	49
136	Weak signal transmission in complex networks and its application in detecting connectivity. <i>Physical Review E</i> , 2009 , 80, 046102	2.4	20
135	Edge states induce boundary temperature jump in molecular dynamics simulation of heat conduction. <i>Physical Review B</i> , 2009 , 80,	3.3	43

134	Thermal rectification in asymmetric graphene ribbons. <i>Applied Physics Letters</i> , 2009 , 95, 033107	3.4	273
133	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	3.4	19
132	Symmetry breaking and self-trapping of a dipolar Bose-Einstein condensate in a double-well potential. <i>Physical Review A</i> , 2009 , 79,	2.6	69
131	Steering Bose-Einstein condensates despite time symmetry. <i>Physical Review Letters</i> , 2009 , 102, 130604	7.4	23
130	Unraveled mechanism in silk engineering: Fast reeling induced silk toughening. <i>Applied Physics Letters</i> , 2009 , 95, 093703	3.4	43
129	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	1.5	7
128	Phonon Hall effect in four-terminal nano-junctions. <i>New Journal of Physics</i> , 2009 , 11, 113038	2.9	21
127	Desynchronization and on-off intermittency in complex networks. <i>Europhysics Letters</i> , 2009 , 88, 28001	1.6	20
126	Simulation of crosstalk between small GTPase RhoA and EGFR-ERK signaling pathway via MEKK1. <i>Bioinformatics</i> , 2009 , 25, 358-64	7.2	27
125	Pathway sensitivity analysis for detecting pro-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, 4246-63	6.4	7
124	Ratchet-induced matter-wave transport and soliton collisions in Bose-Einstein condensates. <i>Physica D: Nonlinear Phenomena</i> , 2009 , 238, 1338-1344	3.3	17
123	Young's modulus of graphene: A molecular dynamics study. <i>Physical Review B</i> , 2009 , 80,	3.3	292
122	Thermal expansion in single-walled carbon nanotubes and graphene: Nonequilibrium Green's function approach. <i>Physical Review B</i> , 2009 , 80,	3.3	145
121	Disorder enhances thermoelectric figure of merit in armchair graphene nanoribbons. <i>Applied Physics Letters</i> , 2009 , 95, 192114	3.4	114
120	Control of heat transport in quantum spin systems. <i>Physical Review B</i> , 2009 , 79,	3.3	29
119	Tunable thermal conductivity of SiGe nanowires. <i>Applied Physics Letters</i> , 2009 , 95, 073117	3.4	103
118	Thermoelectric performance of silicon nanowires. <i>Applied Physics Letters</i> , 2009 , 94, 213108	3.4	57
117	Shuttling heat across one-dimensional homogenous nonlinear lattices with a Brownian heat motor. <i>Physical Review E</i> , 2009 , 80, 011125	2.4	43

116	Size dependent thermoelectric properties of silicon nanowires. <i>Applied Physics Letters</i> , 2009 , 95, 063102	3.4	83
115	Epidemic spreading by objective traveling. <i>Europhysics Letters</i> , 2009 , 87, 18005	1.6	54
114	Simulation of the regulation of EGFR endocytosis and EGFR-ERK signaling by endophilin-mediated RhoA-EGFR crosstalk. <i>FEBS Letters</i> , 2008 , 582, 2283-90	3.8	28
113	Thermal conductivity of composites with nanoscale inclusions and size-dependent percolation. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 365201	1.8	13
112	Nonequilibrium Green's function method for phonon-phonon interactions and ballistic-diffusive thermal transport. <i>Physical Review B</i> , 2008 , 78,	3.3	79
111	Ultralow thermal conductivity of isotope-doped silicon nanowires. <i>Nano Letters</i> , 2008 , 8, 276-80	11.5	197
110	Large negative differential resistance in a molecular junction of carbon nanotube and anthracene. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16891-4	3.4	15
109	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, 023510	3.4	44
108	Thermal memory: a storage of phononic information. <i>Physical Review Letters</i> , 2008 , 101, 267203	7.4	301
107	Self-affine fractals embedded in spectra of complex networks. <i>Physical Review E</i> , 2008 , 77, 045101	2.4	13
106	Thermal rectifiers from deformed carbon nanohorns. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 175218	2.81	54
105	Ratcheting heat flux against a thermal bias. <i>Europhysics Letters</i> , 2008 , 84, 40009	1.6	52
104	Thermal Transistor: Heat Flux Switching and Modulating. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 054402	1.5	73
103	A universal expression of band gap for silicon nanowires of different cross-section geometries. <i>Nano Letters</i> , 2008 , 8, 4557-61	11.5	79
102	Size-dependent interface phonon transmission and thermal conductivity of nanolaminates. <i>Journal of Applied Physics</i> , 2008 , 103, 084314	2.5	16
101	Stability of Fock states in a two-component Bose-Einstein condensate with a regular classical counterpart. <i>Physical Review E</i> , 2008 , 77, 056218	2.4	4
100	Thermal rectification at silicon-amorphous polyethylene interface. <i>Applied Physics Letters</i> , 2008 , 92, 211908	3.4	85
99	Nonballistic heat conduction in an integrable random-exchange Ising chain studied with quantum master equations. <i>Physical Review B</i> , 2008 , 77,	3.3	16

98	Ballistic magnetothermal transport in a Heisenberg spin chain at low temperatures. <i>Physical Review B</i> , 2008 , 78,	3.3	19
97	Entanglement-induced decoherence and energy eigenstates. <i>Physical Review A</i> , 2008 , 77,	2.6	22
96	Experimental evidence of wave chaos from a double slit experiment with water surface waves. <i>Physical Review E</i> , 2008 , 78, 047201	2.4	4
95	Carbon nanocone: A promising thermal rectifier. <i>Applied Physics Letters</i> , 2008 , 93, 243111	3.4	218
94	Localizations on complex networks. <i>Physical Review E</i> , 2008 , 77, 066113	2.4	26
93	Dynamics of matter-wave solitons in a ratchet potential. <i>Physical Review Letters</i> , 2008 , 101, 150403	7.4	53
92	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	2.4	
91	Heat Conduction in a One-Dimensional Harmonic Chain with Three-Dimensional Vibrations. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 074003	1.5	6
90	Phononics gets hot. <i>Physics World</i> , 2008 , 21, 27-29	0.5	125
89	Ratchet effect and the transporting islands in the chaotic sea. <i>Physical Review Letters</i> , 2007 , 99, 244101	7.4	20
88	Influence of network structure on rumor propagation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 368, 458-463	2.3	133
87	STABILITY OF QUANTUM MOTION: A SEMICLASSICAL APPROACH. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4280-4283	1.1	
86	HEAT SWITCH AND MODULATOR: A MODEL OF THERMAL TRANSISTOR. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4017-4020	1.1	2
85	SIZE-DEPENDENT MELTING TEMPERATURE AND THERMAL CONDUCTIVITY OF NANOSCALE SEMICONDUCTORS. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4026-4029	1.1	1
84	PUMPING CURRENT IN A QUANTUM DOT BY AN OSCILLATING MAGNETIC FIELD. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4284-4288	1.1	2
83	Temperature dependence of thermal conductivity in 1D nonlinear lattices. <i>Europhysics Letters</i> , 2007 , 78, 34001	1.6	36
82	INTERFACE THERMAL RESISTANCE BETWEEN FRENKEL-KONTOROVA AND FERMI-PASTA-ULAM LATTICES. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4013-4016	1.1	15
81	Derivation of stable microarray cancer-differentiating signatures using consensus scoring of multiple random sampling and gene-ranking consistency evaluation. <i>Cancer Research</i> , 2007 , 67, 9996-10003	10.1	22

80	Interaction-induced quantum ratchet in a Bose-Einstein condensate. <i>Physical Review A</i> , 2007 , 76,	2.6	15
79	Superlens from metal-dielectric composites of nonspherical particles. <i>Physical Review B</i> , 2007 , 76,	3.3	28
78	Vibrational spectra and thermal rectification in three-dimensional anharmonic lattices. <i>Physical Review B</i> , 2007 , 75,	3.3	31
77	Stability of quantum motion in regular systems: a uniform semiclassical approach. <i>Physical Review E</i> , 2007 , 75, 016201	2.4	18
76	Thermal rectification and negative differential thermal resistance in lattices with mass gradient. <i>Physical Review B</i> , 2007 , 76,	3.3	215
75	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	3.4	30
74	Current behavior of a quantum Hamiltonian ratchet in resonance. <i>Physical Review E</i> , 2007 , 75, 011102	2.4	24
73	Parameter-dependent thermal conductivity of one-dimensional ϕ^4 lattice. <i>Physical Review E</i> , 2007 , 76, 011108	2.4	22
72	Heat conduction in simple networks: the effect of interchain coupling. <i>Physical Review E</i> , 2007 , 76, 0511184	2.4	23
71	Dynamics of elastic waves in two-dimensional phononic crystals with chaotic defect. <i>Applied Physics Letters</i> , 2007 , 91, 121902	3.4	5
70	Conductance oscillation and quantization in monatomic Al wires. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 056010	1.8	11
69	Thermal rectification in carbon nanotube intramolecular junctions: Molecular dynamics calculations. <i>Physical Review B</i> , 2007 , 76,	3.3	203
68	Thermal logic gates: computation with phonons. <i>Physical Review Letters</i> , 2007 , 99, 177208	7.4	457
67	Quantum resonance and antiresonance for a periodically kicked Bose-Einstein condensate in a one-dimensional box. <i>Physical Review E</i> , 2006 , 73, 056203	2.4	6
66	Nonequilibrium properties of the one-dimensional hard-point gas system. <i>Physical Review E</i> , 2006 , 74, 037201	2.4	
65	Thermal rectifying effect in two-dimensional anharmonic lattices. <i>Physical Review B</i> , 2006 , 74,	3.3	60
64	Local and nonlocal entanglement for quasiparticle pairs induced by Andreev reflection. <i>Physical Review B</i> , 2006 , 74,	3.3	9
63	Effective phonons in anharmonic lattices: Anomalous vs. normal heat conduction. <i>Europhysics Letters</i> , 2006 , 75, 49-55	1.6	52

62	Negative differential thermal resistance and thermal transistor. <i>Applied Physics Letters</i> , 2006 , 88, 143501-4	3.4	452
61	Fractal-like tree networks reducing the thermal conductivity. <i>Physical Review E</i> , 2006 , 73, 066302	2.4	55
60	Heat conduction in one dimensional systems: Fourier law, chaos, and heat control 2006 , 1-16		8
59	Size-dependent thermal conductivity of nanoscale semiconducting systems. <i>Physical Review B</i> , 2006 , 73, 064402	3.3	149
58	Reduction of thermal conductivity of anharmonic lattices. <i>Physical Review B</i> , 2006 , 74, 084402	3.3	8
57	Fidelity of a Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 353, 216-220	2.3	9
56	Size-dependent formation enthalpy of nanocompounds. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 16083-8	3.3	28
55	Wall "thickness" effects on Raman spectrum shift, thermal conductivity, and Young's modulus of single-walled nanotubes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 23823-6	3.4	13
54	Thermal conduction of carbon nanotubes using molecular dynamics. <i>Physical Review B</i> , 2005 , 71, 084402	3.3	119
53	Anomalous vibrational energy diffusion in carbon nanotubes. <i>Journal of Chemical Physics</i> , 2005 , 123, 014705	3.9	51
52	Interface thermal resistance between dissimilar anharmonic lattices. <i>Physical Review Letters</i> , 2005 , 95, 104302	7.4	301
51	Thermal conductivity of nanotubes revisited: effects of chirality, isotope impurity, tube length, and temperature. <i>Journal of Chemical Physics</i> , 2005 , 123, 114714	3.9	256
50	Modification to the pre-factor of the semiclassical propagator. <i>Europhysics Letters</i> , 2005 , 69, 692-698	1.6	1
49	Uniform semiclassical approach to fidelity decay in the deep Lyapunov regime. <i>Physical Review E</i> , 2005 , 71, 037202	2.4	29
48	Universal decay of the classical Loschmidt echo of neutrally stable mixing dynamics. <i>Physical Review Letters</i> , 2005 , 94, 114101	7.4	12
47	Fidelity for the quantum evolution of a Bose-Einstein condensate. <i>Physical Review A</i> , 2005 , 72, 042302	2.6	51
46	Anomalous heat conduction and anomalous diffusion in nonlinear lattices, single walled nanotubes, and billiard gas channels. <i>Chaos</i> , 2005 , 15, 15121	3.3	89
45	Uniform semiclassical approach to fidelity decay: from weak to strong perturbation. <i>Physical Review E</i> , 2005 , 71, 066203	2.4	24

44	Stability of quantum motion: beyond Fermi-golden-rule and Lyapunov decay. <i>Physical Review E</i> , 2004 , 69, 025201	2.4	38
43	Intriguing heat conduction of a chain with transverse motions. <i>Physical Review Letters</i> , 2004 , 92, 074302	7.4	109
42	Fourier law in the alternate-mass hard-core potential chain. <i>Physical Review Letters</i> , 2004 , 92, 254301	7.4	68
41	Li and Wang Reply.. <i>Physical Review Letters</i> , 2004 , 92,	7.4	13
40	Mode-coupling theory and molecular dynamics simulation for heat conduction in a chain with transverse motions. <i>Physical Review E</i> , 2004 , 70, 021204	2.4	56
39	Thermal diode: rectification of heat flux. <i>Physical Review Letters</i> , 2004 , 93, 184301	7.4	796
38	Electron transport in interacting hybrid mesoscopic systems. <i>European Physical Journal B</i> , 2003 , 32, 401-405	4.05	5
37	Anomalous heat conduction and anomalous diffusion in one-dimensional systems. <i>Physical Review Letters</i> , 2003 , 91, 044301	7.4	215
36	Electronic transport in hybrid mesoscopic structures: A nonequilibrium Green function approach. <i>Physical Review B</i> , 2003 , 68,	3.3	31
35	Heat conductivity in linear mixing systems. <i>Physical Review E</i> , 2003 , 67, 021204	2.4	63
34	Finite thermal conductivity in 1D models having zero Lyapunov exponents. <i>Physical Review Letters</i> , 2002 , 88, 223901	7.4	87
33	Crossover of quantum Loschmidt echo from golden-rule decay to perturbation-independent decay. <i>Physical Review E</i> , 2002 , 66, 056208	2.4	30
32	Electronic properties of the 1D Frenkel-Kontorova model. <i>Physical Review Letters</i> , 2002 , 88, 046804	7.4	8
31	Correlations of chaotic eigenfunctions: a semiclassical analysis. <i>Journal of Physics A</i> , 2001 , 34, 7381-7391		6
30	Mode-locking of incommensurate phase by quantum zero-point energy in the Frenkel-Kontorova model. <i>Europhysics Letters</i> , 2001 , 53, 342-347	1.6	7
29	Can Disorder Induce a Finite Thermal Conductivity in 1D Lattices?. <i>Physical Review Letters</i> , 2001 , 86, 63-66	7.4	84
28	General initial value form of the semiclassical propagator. <i>Physical Review A</i> , 2001 , 63,	2.6	6
27	Li, Zhao, and Hu Reply.. <i>Physical Review Letters</i> , 2001 , 87,	7.4	17

26	Quantum Frenkel-Kontorova model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 288, 81-97	3.3	12
25	Disturbance spreading in incommensurate and quasiperiodic systems. <i>Physical Review B</i> , 2000 , 61, 9414-9418	3.3	5
24	Fringe structure in the phase-space dynamics of atomic stabilization in an intense field. <i>Chinese Physics B</i> , 2000 , 9, 24-30		1
23	Universal statistics of wave functions in chaotic and disordered systems. <i>Europhysics Letters</i> , 2000 , 50, 300-306	1.6	3
22	Heat conduction in one-dimensional nonintegrable systems. <i>Physical Review E</i> , 2000 , 61, 3828-31	2.4	170
21	Ground-state wave function of the quantum Frenkel-Kontorova model. <i>Europhysics Letters</i> , 1999 , 46, 655-660	1.6	12
20	Numerical accuracy of Bogomolny's semiclassical quantization scheme in quantum billiards. <i>Journal of Physics A</i> , 1999 , 32, 5419-5433		3
19	Quantum Chaos of a Kicked Particle in an Infinite Potential Well. <i>Physical Review Letters</i> , 1999 , 82, 4224-4227	4.27	70
18	Cantori and dynamical localization in the Bunimovich stadium. <i>Physica D: Nonlinear Phenomena</i> , 1999 , 131, 317-326	3.3	16
17	Wave transmission, phonon localization, and heat conduction of a one-dimensional Frenkel-Kontorova chain. <i>Physical Review B</i> , 1999 , 59, 8639-8645	3.3	42
16	Nonadiabatic geometric phase for the cyclic evolution of a time-dependent Hamiltonian system. <i>Physical Review A</i> , 1998 , 58, 3448-3456	2.6	10
15	Statistical analysis of scars in stadium billiard. <i>Journal of Physics A</i> , 1998 , 31, 483-504		17
14	Energy transport between two attractors connected by a Fermi-Pasta-Ulam chain. <i>Journal of Physics A</i> , 1998 , 31, 7719-7728		62
13	Nonadiabatic Geometric Phase and Hannay Angle: A Squeezed State Approach. <i>Physical Review Letters</i> , 1998 , 81, 1749-1753	7.4	37
12	Heat conduction in one-dimensional chains. <i>Physical Review E</i> , 1998 , 57, 2992-2995	2.4	254
11	Relevance of chaos in numerical solutions of quantum billiards. <i>Physical Review E</i> , 1998 , 57, 4095-4105	2.4	16
10	Squeezed state dynamics of kicked quantum systems. <i>Physical Review E</i> , 1998 , 58, 1743-1756	2.4	15
9	Quantum Frenkel-Kontorova model: A squeezed state approach. <i>Physical Review E</i> , 1998 , 58, R4068-R4071	1.4	17

8	Numerical study of scars in a chaotic billiard. <i>Physical Review E</i> , 1997 , 55, 5376-5379	2.4	17
7	Diffusion and Localization in Chaotic Billiards. <i>Physical Review Letters</i> , 1996 , 77, 4744-4747	7.4	94
6	Sensitivity of the eigenfunctions and the level curvature distribution in quantum billiards. <i>Journal of Physics A</i> , 1996 , 29, 4387-4405		11
5	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		25
4	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		25
3	Statistical properties of high-lying chaotic eigenstates. <i>Journal of Physics A</i> , 1994 , 27, 5509-5523		69
2	Construction of 3D Conductive Network in Liquid Gallium with Enhanced Thermal and Electrical Performance. <i>Advanced Materials Technologies</i> , 2100970	6.8	3
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