

Peter Hanggi

List of Publications by Year in descending order

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655
papers

51,353
citations

2962

96
h-index

2453

203
g-index

680
all docs

680
docs citations

680
times ranked

18878
citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity Multistability vs. Ergodicity Breaking in a Biased Periodic Potential. <i>Entropy</i> , 2022, 24, 98.	1.1	2
2	Colossal Brownian yet non-Gaussian diffusion induced by nonequilibrium noise. <i>Physical Review E</i> , 2020, 102, 042121.	0.8	23
3	<i>Colloquium</i> : Statistical mechanics and thermodynamics at strong coupling: Quantum and classical. <i>Reviews of Modern Physics</i> , 2020, 92, .	16.4	92
4	Single-atom energy-conversion device with a quantum load. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	47
5	Comment on “Measurability of nonequilibrium thermodynamics in terms of the Hamiltonian of mean force”. <i>Physical Review E</i> , 2020, 102, 066101.	0.8	9
6	Many Faces of Non-equilibrium: Anomalous Transport Phenomena in Driven Periodic Systems. <i>Acta Physica Polonica B</i> , 2020, 51, 1131.	0.3	9
7	Quasi-stationary states of game-driven systems: A dynamical approach. <i>Chaos</i> , 2020, 30, 123145.	1.0	4
8	Coexistence of absolute negative mobility and anomalous diffusion. <i>New Journal of Physics</i> , 2019, 21, 083029.	1.2	39
9	Dissipation-induced rotation of suspended ferromagnetic nanoparticles. <i>Physical Review B</i> , 2019, 100, .	1.1	7
10	Quantum stochastic resonance in an a.c.-driven single-electron quantum dot. <i>Nature Physics</i> , 2019, 15, 330-334.	6.5	47
11	Tunable Mass Separation via Negative Mobility. <i>Physical Review Letters</i> , 2019, 122, 070602.	2.9	40
12	Diffusion of colloidal rods in corrugated channels. <i>Physical Review E</i> , 2019, 99, 020601.	0.8	10
13	Generation and stabilization of Bell states via repeated projective measurements on a driven ancilla qubit. <i>Physica Scripta</i> , 2018, 93, 064001.	1.2	7
14	Quantum Brownian motion under generalized position measurements: a converse Zeno scenario. <i>New Journal of Physics</i> , 2018, 20, 033001.	1.2	11
15	Comment on “Experimental Verification of a Jarzynski-Related Information-Theoretic Equality by a Single Trapped Ion”. <i>Physical Review Letters</i> , 2018, 121, 088901.	2.9	3
16	Asymptotic Floquet states of a periodically driven spin-boson system in the nonperturbative coupling regime. <i>Physical Review E</i> , 2018, 98, 022111.	0.8	17
17	Merits and qualms of work fluctuations in classical fluctuation theorems. <i>Physical Review E</i> , 2017, 95, 012106.	0.8	10
18	Enhancing energy harvesting by coupling monostable oscillators. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	8

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19	Asymptotic Floquet states of non-Markovian systems. <i>Physical Review A</i> , 2017, 96, .	1.0	10
20	Hydrodynamic and entropic effects on colloidal diffusion in corrugated channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9564-9569.	3.3	95
21	Exactly solvable model for drift of suspended ferromagnetic particles induced by the Magnus force. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 89-95.	1.0	6
22	Self-Polarizing Microswimmers in Active Density Waves. <i>Scientific Reports</i> , 2017, 7, 41884.	1.6	36
23	Quantum resonant activation. <i>Physical Review E</i> , 2017, 95, 042104.	0.8	15
24	Computation of the asymptotic states of modulated open quantum systems with a numerically exact realization of the quantum trajectory method. <i>Physical Review E</i> , 2017, 96, 053313.	0.8	10
25	Asymptotic Floquet states of open quantum systems: the role of interaction. <i>New Journal of Physics</i> , 2017, 19, 083011.	1.2	53
26	Forced coupled motion of the nanoparticle magnetic moment and the whole nanoparticle in a viscous fluid., 2017, , .		0
27	Deformed Jarzynski Equality. <i>Entropy</i> , 2017, 19, 419.	1.1	6
28	Taxis of Artificial Swimmers in a Spatio-Temporally Modulated Activation Medium. <i>Entropy</i> , 2017, 19, 97.	1.1	17
29	Non-monotonic temperature dependence of chaos-assisted diffusion in driven periodic systems. <i>New Journal of Physics</i> , 2016, 18, 123029.	1.2	21
30	Experimental control of transport resonances in a coherent quantum rocking ratchet. <i>Nature Communications</i> , 2016, 7, 10440.	5.8	41
31	Quantum technology: from research to application. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	42
32	Kramers escape of a self-propelled particle. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	35
33	Calculating Floquet states of large quantum systems: A parallelization strategy and its cluster implementation. <i>Computer Physics Communications</i> , 2016, 201, 85-94.	3.0	11
34	Open system trajectories specify fluctuating work but not heat. <i>Physical Review E</i> , 2016, 94, 022143.	0.8	54
35	Occurrence of discontinuities in the performance of finite-time quantum Otto cycles. <i>Physical Review E</i> , 2016, 94, 012137.	0.8	32
36	Aspects of quantum work. <i>Physical Review E</i> , 2016, 93, 022131.	0.8	147

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37	Chemotaxis of artificial microswimmers in active density waves. <i>Physical Review E</i> , 2016, 94, 012613.	0.8	51
38	Simulation of Heat Transport in Low-Dimensional Oscillator Lattices. <i>Lecture Notes in Physics</i> , 2016, , 239-274.	0.3	2
39	Transient anomalous diffusion in periodic systems: ergodicity, symmetry breaking and velocity relaxation. <i>Scientific Reports</i> , 2016, 6, 30948.	1.6	62
40	Effective Floquet-Gibbs states for dissipative quantum systems. <i>New Journal of Physics</i> , 2016, 18, 053008.	1.2	55
41	Meaning of temperature in different thermostistical ensembles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150039.	1.6	38
42	Complementary Densities of Lévy Walks: Typical and Rare Fluctuations. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 76-106.	0.9	7
43	Precession of a Fine Magnetic Particle with Finite Anisotropy in a Viscous Fluid. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 04086-1-04086-5.	0.2	2
44	Boosting thermoelectric efficiency using time-dependent control. <i>Scientific Reports</i> , 2015, 5, 14870.	1.6	32
45	Diffusion of chiral Janus particles in a sinusoidal channel. <i>Europhysics Letters</i> , 2015, 109, 10003.	0.7	54
46	The other QFT. <i>Nature Physics</i> , 2015, 11, 108-110.	6.5	100
47	Cooperative surmounting of bottlenecks. <i>Physics Reports</i> , 2015, 586, 1-51.	10.3	9
48	Qubit interference at avoided crossings: The role of driving shape and bath coupling. <i>Physical Review A</i> , 2015, 91, .	1.0	21
49	Focus on nonequilibrium fluctuation relations: from classical to quantum. <i>New Journal of Physics</i> , 2015, 17, 020201.	1.2	4
50	1D momentum-conserving systems: the conundrum of anomalous versus normal heat transport. <i>New Journal of Physics</i> , 2015, 17, 043064.	1.2	36
51	Brownian motor efficiency enhanced by nonequilibrium noise. , 2015, , .		0
52	Infinite densities for Lévy walks. <i>Physical Review E</i> , 2014, 90, 062135.	0.8	46
53	Brownian motion in confined geometries. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3021-3025.	1.2	14
54	Giant enhancement of hydrodynamically enforced entropic trapping in thin channels. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3095-3111.	1.2	11

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55	Active Brownian motion in a narrow channel. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3227-3242.	1.2	61
56	Characterization of Qubit Dephasing by Landau-Zener-Stückelberg-Majorana Interferometry. <i>Physical Review Letters</i> , 2014, 112, 116803.	2.9	82
57	Giant negative mobility of Janus particles in a corrugated channel. <i>Physical Review E</i> , 2014, 89, 062115.	0.8	67
58	Triggering waves in nonlinear lattices: Quest for anharmonic phonons and corresponding mean-free paths. <i>Physical Review B</i> , 2014, 90, .	1.1	30
59	Geometric quantum pumping in the presence of dissipation. <i>Physical Review B</i> , 2014, 90, .	1.1	9
60	Thermodynamic laws in isolated systems. <i>Physical Review E</i> , 2014, 90, 062116.	0.8	97
61	Tunable transport with broken space-time symmetries. <i>Physics Reports</i> , 2014, 538, 77-120.	10.3	124
62	Non-Normalizable Densities in Strong Anomalous Diffusion: Beyond the Central Limit Theorem. <i>Physical Review Letters</i> , 2014, 112, 110601.	2.9	83
63	Entanglement creation in a quantum-dot nanocavity system by Fourier-synthesized acoustic pulses. <i>Physical Review A</i> , 2014, 89, .	1.0	36
64	Anomalous Heat Diffusion. <i>Physical Review Letters</i> , 2014, 112, 040601.	2.9	116
65	Optimizing the performance of the entropic splitter for particle separation. <i>Journal of Chemical Physics</i> , 2014, 141, 074104.	1.2	26
66	Josephson junction ratchet: The impact of finite capacitances. <i>Physical Review B</i> , 2014, 90, .	1.1	21
67	Quantum fluctuation theorems and generalized measurements during the force protocol. <i>Physical Review E</i> , 2014, 89, 032114.	0.8	43
68	Brownian motors in the microscale domain: Enhancement of efficiency by noise. <i>Physical Review E</i> , 2014, 90, 032104.	0.8	62
69	Absolute negative mobility of inertial Brownian particles induced by noise. , 2013, , .		0
70	Josephson-like currents in graphene for arbitrary time-dependent potential barriers. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	6
71	Boosting work characteristics and overall heat-engine performance via shortcuts to adiabaticity: Quantum and classical systems. <i>Physical Review E</i> , 2013, 88, 062122.	0.8	116
72	Tuning the Mobility of a Driven Bose-Einstein Condensate via Diabatic Floquet Bands. <i>Physical Review Letters</i> , 2013, 110, 135302.	2.9	21

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73	Large-scale ferrofluid simulations on graphics processing units. <i>Computer Physics Communications</i> , 2013, 184, 1483-1489.	3.0	15
74	Thermostated Hamiltonian Dynamics with Log Oscillators. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12829-12835.	1.2	13
75	Space-Time Velocity Correlation Function for Random Walks. <i>Physical Review Letters</i> , 2013, 110, 170604.	2.9	32
76	In-phase and anti-phase synchronization in noisy Hodgkin-Huxley neurons. <i>Mathematical Biosciences</i> , 2013, 245, 49-55.	0.9	26
77	How entropy and hydrodynamics cooperate in rectifying particle transport. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2453-2463.	1.2	23
78	Statistics of work and fluctuation theorems for microcanonical initial states. <i>New Journal of Physics</i> , 2013, 15, 095001.	1.2	38
79	Employing circuit QED to measure non-equilibrium work fluctuations. <i>New Journal of Physics</i> , 2013, 15, 105028.	1.2	48
80	Reduced density matrix for nonequilibrium steady states: A modified Redfield solution approach. <i>Physical Review E</i> , 2013, 88, 052127.	0.8	44
81	Hydrodynamically Enforced Entropic Trapping of Brownian Particles. <i>Physical Review Letters</i> , 2013, 110, 010601.	2.9	60
82	Campisi et al. Reply. <i>Physical Review Letters</i> , 2013, 110, 028902.	2.9	3
83	Absolute negative mobility induced by white Poissonian noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P02044.	0.9	35
84	Power spectrum of electronic heat current fluctuations. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2355-2364.	0.7	9
85	Transport of flexible chiral objects in a uniform shear flow. <i>New Journal of Physics</i> , 2012, 14, 073006.	1.2	13
86	Negativity and quantum discord in Davies environments. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 485306.	0.7	17
87	On the origin of power laws in equilibrium. <i>Europhysics Letters</i> , 2012, 99, 60004.	0.7	9
88	Generalized Gibbs state with modified Redfield solution: Exact agreement up to second order. <i>Journal of Chemical Physics</i> , 2012, 136, 194110.	1.2	47
89	Non-Markovian qubit decoherence during dispersive readout. <i>Physical Review A</i> , 2012, 85, .	1.0	3
90	Driven Brownian transport through arrays of symmetric obstacles. <i>Physical Review E</i> , 2012, 85, 011101.	0.8	41

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91	Quantum thermal equilibration from equipartition. Europhysics Letters, 2012, 98, 40011.	0.7	10
92	Current Resonances in Graphene with Time-Dependent Potential Barriers. Physical Review Letters, 2012, 109, 226602.	2.9	31
93	Correlations in Complex Systems. , 2012, , 705-723.		1
94	Nonequilibrium phases in hybrid arrays with flux qubits and nitrogen-vacancy centers. Physical Review A, 2012, 85, .	1.0	48
95	Transient currents in a molecular photo-diode. Chemical Physics, 2012, 407, 53-64.	0.9	16
96	Learning games for children with intellectual challenges. , 2012, , .		2
97	Detectable inertial effects on Brownian transport through narrow pores. Europhysics Letters, 2012, 98, 50002.	0.7	22
98	Brownian transport in corrugated channels with inertia. Physical Review E, 2012, 86, 021112.	0.8	44
99	LÃ©vy walks with velocity fluctuations. Physical Review E, 2012, 85, 031148.	0.8	16
100	Geometric magnetism in open quantum systems. Physical Review A, 2012, 86, .	1.0	27
101	Logarithmic Oscillators: Ideal Hamiltonian Thermostats. Physical Review Letters, 2012, 108, 250601.	2.9	22
102	Nonequilibrium density-matrix description of steady-state quantum transport. Physical Review E, 2012, 85, 011126.	0.8	68
103	Relativistic Brownian motion on a graphene chip. European Physical Journal B, 2012, 85, 1.	0.6	28
104	Entropic Splitter for Particle Separation. Physical Review Letters, 2012, 108, 020604.	2.9	142
105	<i>Colloquium</i>: Phononics: Manipulating heat flow with electronic analogs and beyond. Reviews of Modern Physics, 2012, 84, 1045-1066.	16.4	1,106
106	Markovian embedding of fractional superdiffusion. Europhysics Letters, 2011, 93, 20002.	0.7	32
107	Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. Physical Review E, 2011, 83, 051135.	0.8	99
108	Fluctuation, Dissipation and the Arrow of Time. Entropy, 2011, 13, 2024-2035.	1.1	29

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109	Biased Brownian motion in extremely corrugated tubes. <i>Chaos</i> , 2011, 21, 047518.	1.0	41
110	Quantum Bochkovâ€“Kuzovlev work fluctuation theorems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 291-306.	1.6	35
111	Harvesting randomness. <i>Nature Materials</i> , 2011, 10, 6-7.	13.3	27
112	<i>Colloquium</i>: Quantum fluctuation relations: Foundations and applications. <i>Reviews of Modern Physics</i> , 2011, 83, 771-791.	16.4	991
113	Thermal Equilibration between Two Quantum Systems. <i>Physical Review Letters</i> , 2011, 106, 010405.	2.9	57
114	Perturbation Spreading in Many-Particle Systems: A Random Walk Approach. <i>Physical Review Letters</i> , 2011, 106, 180601.	2.9	56
115	Geometric phase as a determinant of a qubitâ€“ environment coupling. <i>Quantum Information Processing</i> , 2011, 10, 85-96.	1.0	23
116	Time-resolved qubit readout via nonlinear Josephson inductance. <i>New Journal of Physics</i> , 2011, 13, 093022.	1.2	6
117	Quantum ratchet transport with minimal dispersion rate. <i>Physical Review A</i> , 2011, 84, .	1.0	11
118	Distance between quantum states in the presence of initial qubit-environment correlations: A comparative study. <i>Physical Review A</i> , 2011, 84, .	1.0	71
119	Temperature-resonant cyclotron spectra in confined geometries. <i>Physical Review E</i> , 2011, 84, 011107.	0.8	5
120	Electronic heat transport across a molecular wire: Power spectrum of heat fluctuations. <i>Physical Review B</i> , 2011, 84, .	1.1	22
121	Monitoring entanglement evolution and collective quantum dynamics. <i>Physical Review B</i> , 2011, 83, .	1.1	3
122	Rayleigh and depinning instabilities of forced liquid ridges on heterogeneous substrates. <i>Physical Review E</i> , 2011, 83, 016305.	0.8	52
123	Active motion assisted by correlated stochastic torques. <i>Physical Review E</i> , 2011, 84, 011132.	0.8	38
124	Influence of measurements on the statistics of work performed on a quantum system. <i>Physical Review E</i> , 2011, 83, 041114.	0.8	64
125	Mapping the Arnold web with a graphic processing unit. <i>Chaos</i> , 2011, 21, 043123.	1.0	7
126	Thermodynamics of <i>d</i>-dimensional hard sphere fluids confined to micropores. <i>Journal of Chemical Physics</i> , 2011, 134, 114502.	1.2	9

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127	Transient switch-on/off currents in molecular junctions. <i>Journal of Chemical Physics</i> , 2011, 134, 204701.	1.2	16
128	Subdiffusive Dynamics in Washboard Potentials: Two Different Approaches and Different Universality Classes. , 2011, , 307-329.		4
129	Biased diffusion in a piecewise linear random potential. <i>European Physical Journal B</i> , 2010, 76, 1-11.	0.6	10
130	Electron transport across a quantum wire in the presence of electron leakage to a substrate. <i>European Physical Journal B</i> , 2010, 78, 75-81.	0.6	8
131	Noisy saltatory spike propagation: The breakdown of signal transmission due to channel noise. <i>European Physical Journal: Special Topics</i> , 2010, 187, 171-177.	1.2	2
132	Quantum Machine Using Cold Atoms. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010, 7, 2441-2447.	0.4	5
133	Negative conductances of Josephson junctions: Voltage fluctuations and energetics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 590-594.	1.3	16
134	Entanglement and disentanglement in circuit QED architectures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 363-368.	1.3	8
135	Dephasing of qubits by the Schrödinger cat. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 374-377.	1.3	14
136	Phase diagrams for the precession states of the nanoparticle magnetization in a rotating magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1360-1362.	1.0	10
137	Rate description of Fokker-Planck processes with time-periodic parameters. <i>Chemical Physics</i> , 2010, 370, 277-289.	0.9	18
138	Entropic transport in energetic potentials. <i>Chemical Physics</i> , 2010, 375, 514-517.	0.9	11
139	Lévy distribution in many-particle quantum systems. <i>Physical Review A</i> , 2010, 81, .	1.0	11
140	Comment on "Coherent Ratchets in Driven Bose-Einstein Condensates". <i>Physical Review Letters</i> , 2010, 104, 228901; author reply 228902.	2.9	7
141	Entropic transport of finite size particles. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 454109.	0.7	22
142	Langevin equation with super-heavy-tailed noise. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 285004.	0.7	27
143	Origin of Hyperdiffusion in Generalized Brownian Motion. <i>Physical Review Letters</i> , 2010, 105, 100602.	2.9	73
144	Coherent charge transport through molecular wires: Exciton blocking and current from electronic excitations in the wire. <i>Physical Review B</i> , 2010, 81, .	1.1	23

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145	Two-resonator circuit quantum electrodynamics: Dissipative theory. <i>Physical Review B</i> , 2010, 81, .	1.1	49
146	Fluctuation Theorems for Continuously Monitored Quantum Fluxes. <i>Physical Review Letters</i> , 2010, 105, 140601.	2.9	105
147	Berry-Phase-Induced Heat Pumping and Its Impact on the Fluctuation Theorem. <i>Physical Review Letters</i> , 2010, 104, 170601.	2.9	179
148	Spatially Resolved Ballistic Optoelectronic Transport Measured by Quantized Photocurrent Spectroscopy. <i>Nano Letters</i> , 2010, 10, 3836-3840.	4.5	6
149	Asymmetry in shape causing absolute negative mobility. <i>Physical Review E</i> , 2010, 82, 041121.	0.8	51
150	Spontaneous spiking in an autaptic Hodgkin-Huxley setup. <i>Physical Review E</i> , 2010, 82, 061907.	0.8	84
151	Markovian embedding of non-Markovian superdiffusion. <i>Physical Review E</i> , 2010, 81, 011136.	0.8	63
152	Transporting Cold Atoms in Optical Lattices with Ratchets: Mechanisms and Symmetries. <i>Springer Series in Optical Sciences</i> , 2010, , 181-194.	0.5	3
153	Fractional Fokker-Planck subdiffusion in alternating force fields. <i>Physical Review E</i> , 2009, 79, 041137.	0.8	25
154	Noise-assisted spike propagation in myelinated neurons. <i>Physical Review E</i> , 2009, 79, 011904.	0.8	40
155	Directed transport in periodically rocked random sawtooth potentials. <i>Physical Review E</i> , 2009, 79, 051102.	0.8	5
156	Finite bath fluctuation theorem. <i>Physical Review E</i> , 2009, 80, 031145.	0.8	35
157	Time parameters and Lorentz transformations of relativistic stochastic processes. <i>Physical Review E</i> , 2009, 79, 010101.	0.8	17
158	Many-Body Coherent Destruction of Tunneling. <i>Physical Review Letters</i> , 2009, 103, 133002.	2.9	122
159	Time-Resolved Measurement of a Charge Qubit. <i>Physical Review Letters</i> , 2009, 102, 033602.	2.9	7
160	Steering Bose-Einstein Condensates despite Time Symmetry. <i>Physical Review Letters</i> , 2009, 102, 130604.	2.9	25
161	Discontinuous conductance of bichromatically ac-gated quantum wires. <i>Physical Review B</i> , 2009, 79, .	1.1	7
162	Fluctuation theorems in driven open quantum systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P02025.	0.9	112

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163	ac-Driven Atomic Quantum Motor. <i>Physical Review Letters</i> , 2009, 102, 230601.	2.9	41
164	Entanglement resonance in driven spin chains. <i>Physical Review A</i> , 2009, 79, .	1.0	41
165	Quantum router based on ac control of qubit chains. <i>Physical Review A</i> , 2009, 80, .	1.0	59
166	Parameters of the fractional Fokker-Planck equation. <i>Europhysics Letters</i> , 2009, 85, 40007.	0.7	21
167	Qubit-oscillator dynamics in the dispersive regime: Analytical theory beyond the rotating-wave approximation. <i>Physical Review A</i> , 2009, 80, .	1.0	156
168	The Ring of Brownian Motion: the good, the bad and the simply silly. , 2009, , .		0
169	Underdamped quantum ratchets. <i>Europhysics Letters</i> , 2009, 85, 40003.	0.7	15
170	Diffusion in Confined Geometries. <i>ChemPhysChem</i> , 2009, 10, 45-54.	1.0	303
171	The study of dynamic singularities of seismic signals by the generalized Langevin equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 3629-3635.	1.2	3
172	Relativistic Brownian motion. <i>Physics Reports</i> , 2009, 471, 1-73.	10.3	177
173	Entanglement swapping in presence of dephasing. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 936-940.	0.7	2
174	Non-local observables and lightcone-averaging in relativistic thermodynamics. <i>Nature Physics</i> , 2009, 5, 741-747.	6.5	39
175	Nonstationary stochastic resonance viewed through the lens of information theory. <i>European Physical Journal B</i> , 2009, 69, 29-35.	0.6	11
176	Entropic stochastic resonance: the constructive role of the unevenness. <i>European Physical Journal B</i> , 2009, 69, 11-18.	0.6	71
177	Fast initial qubit dephasing and the influence of substrate dimensions on error correction rates. <i>European Physical Journal B</i> , 2009, 68, 523-527.	0.6	5
178	Generalized Fokker-Planck equation: Derivation and exact solutions. <i>European Physical Journal B</i> , 2009, 68, 567-575.	0.6	66
179	Stochastic Resonance: A remarkable idea that changed our perception of noise. <i>European Physical Journal B</i> , 2009, 69, 1-3.	0.6	172
180	Creation and manipulation of entanglement in spin chains far from equilibrium. <i>European Physical Journal: Special Topics</i> , 2009, 180, 237-246.	1.2	10

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181	Artificial Brownian motors: Controlling transport on the nanoscale. <i>Reviews of Modern Physics</i> , 2009, 81, 387-442.	16.4	1,354
182	Specific heat anomalies of open quantum systems. <i>Physical Review E</i> , 2009, 79, 061105.	0.8	85
183	Universal fluctuations in subdiffusive transport. <i>Europhysics Letters</i> , 2009, 86, 30009.	0.7	39
184	Non-linear Brownian motion: the problem of obtaining the thermal Langevin equation for a non-Gaussian bath. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P01034.	0.9	16
185	Negative mobility induced by colored thermal fluctuations. <i>Physical Review E</i> , 2009, 80, 051121.	0.8	39
186	Molecular wires acting as quantum heat ratchets. <i>Physical Review E</i> , 2009, 80, 061115.	0.8	26
187	Fluctuation Theorem for Arbitrary Open Quantum Systems. <i>Physical Review Letters</i> , 2009, 102, 210401.	2.9	273
188	AC-driven Brownian motors: A Fokker-Planck treatment. <i>American Journal of Physics</i> , 2009, 77, 602-606.	0.3	31
189	Shuttling heat across one-dimensional homogenous nonlinear lattices with a Brownian heat motor. <i>Physical Review E</i> , 2009, 80, 011125.	0.8	55
190	Double entropic stochastic resonance. <i>Europhysics Letters</i> , 2009, 87, 50003.	0.7	53
191	Directed transport of an inertial particle in a washboard potential induced by delayed feedback. <i>Physical Review E</i> , 2009, 79, 041117.	0.8	29
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