

Peter Hanggi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/803619/publications.pdf>

Version: 2024-02-01

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	Reaction-rate theory: fifty years after Kramers. <i>Reviews of Modern Physics</i> , 1990, 62, 251-341.	16.4	5,326
2	Stochastic resonance. <i>Reviews of Modern Physics</i> , 1998, 70, 223-287.	16.4	5,136
3	Artificial Brownian motors: Controlling transport on the nanoscale. <i>Reviews of Modern Physics</i> , 2009, 81, 387-442.	16.4	1,354
4	Driven quantum tunneling. <i>Physics Reports</i> , 1998, 304, 229-354.	10.3	1,338
5	<i>Colloquium</i> : Phononics: Manipulating heat flow with electronic analogs and beyond. <i>Reviews of Modern Physics</i> , 2012, 84, 1045-1066.	16.4	1,106
6	<i>Colloquium</i> : Quantum fluctuation relations: Foundations and applications. <i>Reviews of Modern Physics</i> , 2011, 83, 771-791.	16.4	991
7	Coherent destruction of tunneling. <i>Physical Review Letters</i> , 1991, 67, 516-519.	2.9	942
8	Brownian Motors. <i>Physics Today</i> , 2002, 55, 33-39.	0.3	718
9	Driven quantum transport on the nanoscale. <i>Physics Reports</i> , 2005, 406, 379-443.	10.3	661
10	Amplification of small signals via stochastic resonance. <i>Physical Review A</i> , 1991, 44, 8032-8042.	1.0	586
11	Stochastic processes: Time evolution, symmetries and linear response. <i>Physics Reports</i> , 1982, 88, 207-319.	10.3	575
12	Fluctuation theorems: Work is not an observable. <i>Physical Review E</i> , 2007, 75, 050102.	0.8	560
13	Stochastic Resonance in Biology How Noise Can Enhance Detection of Weak Signals and Help Improve Biological Information Processing. <i>ChemPhysChem</i> , 2002, 3, 285.	1.0	521
14	Periodically Rocked Thermal Ratchets. <i>Europhysics Letters</i> , 1994, 28, 459-464.	0.7	412
15	Giant Acceleration of Free Diffusion by Use of Tilted Periodic Potentials. <i>Physical Review Letters</i> , 2001, 87, 010602.	2.9	395
16	Brownian motors. <i>Annalen Der Physik</i> , 2005, 14, 51-70.	0.9	363
17	Thermal conductance through molecular wires. <i>Journal of Chemical Physics</i> , 2003, 119, 6840-6855.	1.2	338
18	Escape from a metastable state. <i>Journal of Statistical Physics</i> , 1986, 42, 105-148.	0.5	325

#	ARTICLE	IF	CITATIONS
19	Theory of activated rate processes for arbitrary frequency dependent friction: Solution of the turnover problem. <i>Journal of Chemical Physics</i> , 1989, 91, 4073-4087.	1.2	323
20	Diffusion in Confined Geometries. <i>ChemPhysChem</i> , 2009, 10, 45-54.	1.0	303
21	Regular and Chaotic Transport in Asymmetric Periodic Potentials: Inertia Ratchets. <i>Physical Review Letters</i> , 1996, 76, 3436-3439.	2.9	294
22	Introduction to the physics of Brownian motors. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 169-178.	1.1	289
23	Entropic Transport: Kinetics, Scaling, and Control Mechanisms. <i>Physical Review Letters</i> , 2006, 96, 130603.	2.9	281
24	Stochastic resonance as a collective property of ion channel assemblies. <i>Europhysics Letters</i> , 2001, 56, 22-28.	0.7	275
25	Fluctuation Theorem for Arbitrary Open Quantum Systems. <i>Physical Review Letters</i> , 2009, 102, 210401.	2.9	273
26	Dynamical systems: A unified colored-noise approximation. <i>Physical Review A</i> , 1987, 35, 4464-4466.	1.0	272
27	Localization in a Driven Two-Level Dynamics. <i>Europhysics Letters</i> , 1992, 18, 571-576.	0.7	267
28	Quantum Ratchets. <i>Physical Review Letters</i> , 1997, 79, 10-13.	2.9	260
29	Stochastic Nonlinear Dynamics Modulated by External Periodic Forces. <i>Europhysics Letters</i> , 1989, 8, 505-510.	0.7	249
30	Diffusion in tilted periodic potentials: Enhancement, universality, and scaling. <i>Physical Review E</i> , 2002, 65, 031104.	0.8	241
31	Voltage Rectification by a SQUID Ratchet. <i>Physical Review Letters</i> , 1996, 77, 2292-2295.	2.9	240
32	Fundamental aspects of quantum Brownian motion. <i>Chaos</i> , 2005, 15, 026105.	1.0	221
33	Quantum Tunneling in Dissipative Systems at Finite Temperatures. <i>Physical Review Letters</i> , 1984, 52, 2193-2196.	2.9	213
34	Microfluidic Mixing via Acoustically Driven Chaotic Advection. <i>Physical Review Letters</i> , 2008, 100, 034502.	2.9	212
35	Bistability driven by colored noise: Theory and experiment. <i>Physical Review A</i> , 1985, 32, 695-698.	1.0	206
36	Thermally activated escape rate in presence of long-time memory. <i>Physical Review A</i> , 1982, 26, 1168-1170.	1.0	205

#	ARTICLE	IF	CITATIONS
37	Tunneling in a periodically driven bistable system. <i>European Physical Journal B</i> , 1991, 84, 315-325.	0.6	201
38	Bistable flow driven by coloured gaussian noise: A critical study. <i>European Physical Journal B</i> , 1984, 56, 333-339.	0.6	197
39	Berry-Phase-Induced Heat Pumping and Its Impact on the Fluctuation Theorem. <i>Physical Review Letters</i> , 2010, 104, 170601.	2.9	179
40	Relativistic Brownian motion. <i>Physics Reports</i> , 2009, 471, 1-73.	10.3	177
41	Correlation functions and masterequations of generalized (non-Markovian) Langevin equations. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1978, 31, 407-416.	1.9	175
42	Brownian motors driven by temperature oscillations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 215, 26-31.	0.9	173
43	Stochastic Resonance: A remarkable idea that changed our perception of noise. <i>European Physical Journal B</i> , 2009, 69, 1-3.	0.6	172
44	Biased diffusion in confined media: Test of the Fick-Jacobs approximation and validity criteria. <i>Physical Review E</i> , 2007, 75, 051111.	0.8	167
45	Entropic Stochastic Resonance. <i>Physical Review Letters</i> , 2008, 101, 130602.	2.9	161
46	Floquet-Markovian description of the parametrically driven, dissipative harmonic quantum oscillator. <i>Physical Review E</i> , 1997, 55, 300-313.	0.8	160
47	Can colored noise improve stochastic resonance?. <i>Journal of Statistical Physics</i> , 1993, 70, 25-47.	0.5	159
48	Absolute Negative Mobility Induced by Thermal Equilibrium Fluctuations. <i>Physical Review Letters</i> , 2007, 98, 040601.	2.9	158
49	White-Noise-Induced Transport in Periodic Structures. <i>Europhysics Letters</i> , 1995, 31, 431-436.	0.7	156
50	Qubit-oscillator dynamics in the dispersive regime: Analytical theory beyond the rotating-wave approximation. <i>Physical Review A</i> , 2009, 80, .	1.0	156
51	Rates of Activated Processes with Fluctuating Barriers. <i>Physical Review Letters</i> , 1994, 73, 2772-2775.	2.9	155
52	Drift ratchet. <i>Physical Review E</i> , 2000, 61, 312-323.	0.8	155
53	Precise Numerics versus Theory for Correlation Ratchets. <i>Physical Review Letters</i> , 1996, 76, 1166-1169.	2.9	152
54	Bistable systems: Master equation versus Fokker-Planck modeling. <i>Physical Review A</i> , 1984, 29, 371-378.	1.0	150

#	ARTICLE	IF	CITATIONS
55	Giant suppression of the activation rate in the presence of correlated white noise sources. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 217, 248-252.	0.9	147
56	Aspects of quantum work. <i>Physical Review E</i> , 2016, 93, 022131.	0.8	147
57	Coupled Brownian motors: Anomalous hysteresis and zero-bias negative conductance. <i>Europhysics Letters</i> , 1999, 45, 545-551.	0.7	146
58	Molecular Wires Acting as Coherent Quantum Ratchets. <i>Physical Review Letters</i> , 2002, 88, 228305.	2.9	144
59	Introduction: 100years of Brownian motion. <i>Chaos</i> , 2005, 15, 026101.	1.0	144
60	Entropic Splitter for Particle Separation. <i>Physical Review Letters</i> , 2012, 108, 020604.	2.9	142
61	Brownian Motion Exhibiting Absolute Negative Mobility. <i>Physical Review Letters</i> , 2002, 88, 190601.	2.9	135
62	Brownian rectifiers: How to convert brownian motion into directed transport. , 1996, , 294-308.		133
63	Resonantly driven Brownian motion: Basic concepts and exact results. <i>Physical Review A</i> , 1990, 41, 2977-2988.	1.0	126
64	Dissipative Landau-Zener transitions of a qubit: Bath-specific and universal behavior. <i>Physical Review B</i> , 2007, 75, .	1.1	126
65	Rectification in synthetic conical nanopores: A one-dimensional Poisson-Nernst-Planck model. <i>Physical Review E</i> , 2008, 77, 031131.	0.8	126
66	Tunable transport with broken space-time symmetries. <i>Physics Reports</i> , 2014, 538, 77-120.	10.3	124
67	The Tasaki-Crooks quantum fluctuation theorem. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F569-F571.	0.7	122
68	Many-Body Coherent Destruction of Tunneling. <i>Physical Review Letters</i> , 2009, 103, 133002.	2.9	122
69	Gauging a Quantum Heat Bath with Dissipative Landau-Zener Transitions. <i>Physical Review Letters</i> , 2006, 97, 200404.	2.9	120
70	Exact results for a damped quantum-mechanical harmonic oscillator. <i>Physical Review A</i> , 1985, 31, 471-478.	1.0	118
71	Activation rates for nonlinear stochastic flows driven by non-Gaussian noise. <i>Physical Review A</i> , 1984, 30, 2730-2736.	1.0	117
72	Stochastic resonance in ion channels characterized by information theory. <i>Physical Review E</i> , 2000, 61, 4272-4280.	0.8	117

#	ARTICLE	IF	CITATIONS
73	Lévy-Brownian motion on finite intervals: Mean first passage time analysis. <i>Physical Review E</i> , 2006, 73, 046104.	0.8	117
74	Finite quantum dissipation: the challenge of obtaining specific heat. <i>New Journal of Physics</i> , 2008, 10, 115008.	1.2	116
75	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
76	Anomalous Heat Diffusion. <i>Physical Review Letters</i> , 2014, 112, 040601.	2.9	116
77	Fluctuation theorems in driven open quantum systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P02025.	0.9	112
78	Controlling Stochastic Resonance. <i>Physical Review Letters</i> , 1999, 82, 4574-4577.	2.9	111
79	Effect of channel block on the spiking activity of excitable membranes in a stochastic Hodgkin-Huxley model. <i>Physical Biology</i> , 2004, 1, 61-66.	0.8	110
80	Current Noise in ac-Driven Nanoscale Conductors. <i>Physical Review Letters</i> , 2003, 90, 210602.	2.9	106
81	Coherent and Incoherent Quantum Stochastic Resonance. <i>Physical Review Letters</i> , 1996, 76, 1611-1614.	2.9	105
82	Quantum rectifiers from harmonic mixing. <i>Europhysics Letters</i> , 1998, 43, 503-509.	0.7	105
83	Surmounting Oscillating Barriers. <i>Physical Review Letters</i> , 2000, 84, 1639-1642.	2.9	105
84	Periodically driven quantum ratchets: Symmetries and resonances. <i>Physical Review A</i> , 2007, 75, .	1.0	105
85	Fluctuation Theorems for Continuously Monitored Quantum Fluxes. <i>Physical Review Letters</i> , 2010, 105, 140601.	2.9	105
86	Time evolution, correlations, and linear response of non-Markov processes. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1977, 26, 85-92.	1.9	102
87	Fractional diffusion modeling of ion channel gating. <i>Physical Review E</i> , 2004, 70, 051915.	0.8	102
88	Universal equivalence of mean first-passage time and Kramers rate. <i>Physical Review E</i> , 1999, 60, R1-R4.	0.8	100
89	Decoherence and dissipation during a quantum XOR gate operation. <i>Physical Review A</i> , 2001, 65, .	1.0	100
90	The other QFT. <i>Nature Physics</i> , 2015, 11, 108-110.	6.5	100

#	ARTICLE	IF	CITATIONS
91	Brownian motors: Current fluctuations and rectification efficiency. <i>Physical Review E</i> , 2004, 70, 061105.	0.8	99
92	Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. <i>Physical Review E</i> , 2011, 83, 051135.	0.8	99
93	Escape over fluctuating barriers driven by colored noise. <i>Chemical Physics</i> , 1994, 180, 157-166.	0.9	98
94	Ion channel gating: A first-passage time analysis of the Kramers type. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3552-3556.	3.3	98
95	Incoherent tunneling in a double well. <i>Physical Review B</i> , 1987, 35, 9535-9551.	1.1	97
96	Nonlinear signal mixing in a ratchet device. <i>Europhysics Letters</i> , 2004, 67, 179-185.	0.7	97
97	Thermodynamic laws in isolated systems. <i>Physical Review E</i> , 2014, 90, 062116.	0.8	97
98	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
99	Quantum Theory of Activated Events in Presence of Long-Time Memory. <i>Physical Review Letters</i> , 1985, 55, 761-764.	2.9	93
100	Nucleation of Thermal Sine-Gordon Solitons: Effect of Many-Body Interactions. <i>Physical Review Letters</i> , 1988, 60, 2563-2566.	2.9	93
101	Transformations of nonlinear dynamical systems to jerky motion and its application to minimal chaotic flows. <i>Physical Review E</i> , 1998, 58, 7151-7164.	0.8	93
102	Frequency and phase synchronization in stochastic systems. <i>Chaos</i> , 2003, 13, 225-238.	1.0	92
103	Entropic particle transport in periodic channels. <i>BioSystems</i> , 2008, 93, 16-22.	0.9	92
104	<i>Colloquium</i> : Statistical mechanics and thermodynamics at strong coupling: Quantum and classical. <i>Reviews of Modern Physics</i> , 2020, 92, .	16.4	92
105	Non-Markovian Stochastic Resonance. <i>Physical Review Letters</i> , 2003, 91, 070601.	2.9	91
106	Fractional Fokker-Planck dynamics: Numerical algorithm and simulations. <i>Physical Review E</i> , 2006, 73, 046133.	0.8	91
107	Thermal Equilibrium and Statistical Thermometers in Special Relativity. <i>Physical Review Letters</i> , 2007, 99, 170601.	2.9	91
108	Inertia ratchets: A numerical study versus theory. <i>Physical Review E</i> , 1999, 59, 1417-1424.	0.8	90

#	ARTICLE	IF	CITATIONS
109	Driven Tunnelling with Dissipation. Europhysics Letters, 1993, 22, 5-10.	0.7	89
110	Stochastic resonance in optical bistable systems. Physical Review E, 1994, 49, 3930-3939.	0.8	88
111	Driven tunneling dynamics: Bloch-Redfield theory versus path-integral approach. Physical Review E, 2000, 61, R4687-R4690.	0.8	86
112	Transport via nonlinear signal mixing in ratchet devices. Physical Review E, 2004, 70, 066109.	0.8	85
113	Specific heat anomalies of open quantum systems. Physical Review E, 2009, 79, 061105.	0.8	85
114	Nonlinear stochastic resonance: The saga of anomalous output-input gain. Physical Review E, 2000, 62, 6155-6163.	0.8	84
115	Vibrational effects in laser-driven molecular wires. Journal of Chemical Physics, 2004, 121, 2278-2288.	1.2	84
116	Spontaneous spiking in an autaptic Hodgkin-Huxley setup. Physical Review E, 2010, 82, 061907.	0.8	84
117	Non-Normalizable Densities in Strong Anomalous Diffusion: Beyond the Central Limit Theorem. Physical Review Letters, 2014, 112, 110601.	2.9	83
118	Note on time evolution of non-Markov processes. Journal of Statistical Physics, 1978, 18, 155-159.	0.5	82
119	Stochastic resonance driven by time-modulated correlated white noise sources. Physical Review E, 2000, 62, 4623-4632.	0.8	82
120	Escape driven by $\hat{\mu}$ -stable white noises. Physical Review E, 2007, 75, 021109.	0.8	82
121	Characterization of Qubit Dephasing by Landau-Zener-Stückelberg-Majorana Interferometry. Physical Review Letters, 2014, 112, 116803.	2.9	82
122	First-passage times of non-Markovian processes: The case of a reflecting boundary. Physical Review A, 1988, 38, 4213-4222.	1.0	81
123	Laser controlled molecular switches and transistors. Chemical Physics Letters, 2003, 368, 282-288.	1.2	81
124	Rectification of laser-induced electronic transport through molecules. Journal of Chemical Physics, 2003, 118, 3283-3293.	1.2	81
125	Non-Markovian Brownian dynamics and nonergodicity. Physical Review E, 2005, 72, 061107.	0.8	81
126	Use and Abuse of a Fractional Fokker-Planck Dynamics for Time-Dependent Driving. Physical Review Letters, 2007, 99, 120602.	2.9	81

#	ARTICLE	IF	CITATIONS
127	Microdynamics and nonlinear stochastic processes of gross variables. Journal of Statistical Physics, 1980, 22, 537-552.	0.5	80
128	Cooperative effects in the nonlinearly driven spin-boson system. Physical Review E, 1995, 52, 3596-3607.	0.8	78
129	Anticipated synchronization in coupled inertial ratchets with time-delayed feedback: A numerical study. Physical Review E, 2005, 72, 036210.	0.8	78
130	Amorphous thin-film growth: Theory compared with experiment. Europhysics Letters, 2000, 50, 61-67.	0.7	76
131	Giant enhancement of diffusion and particle selection in rocked periodic potentials. Europhysics Letters, 1998, 44, 416-422.	0.7	75
132	Amorphous thin film growth: Minimal deposition equation. Physical Review E, 2000, 62, 1691-1705.	0.8	75
133	Simple Measure of Memory for Dynamical Processes Described by a Generalized Langevin Equation. Physical Review Letters, 2005, 95, 200601.	2.9	75
134	Phase-space visualization of a metal-insulator transition. New Journal of Physics, 2004, 6, 70-70.	1.2	74
135	Escape driven by strongly correlated noise. Journal of Statistical Physics, 1989, 54, 1367-1380.	0.5	73
136	Tunneling and the onset of chaos in a driven bistable system. Physical Review E, 1994, 49, 273-280.	0.8	73
137	Channel noise and synchronization in excitable membranes. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 165-175.	1.2	73
138	Origin of Hyperdiffusion in Generalized Brownian Motion. Physical Review Letters, 2010, 105, 100602.	2.9	73
139	Decoherent Dynamics of a Two-Level System Coupled to a Sea of Spins. Physical Review Letters, 1998, 81, 5710-5713.	2.9	72
140	Theory of relativistic Brownian motion: The(1+1)-dimensional case. Physical Review E, 2005, 71, 016124.	0.8	72
141	Quantum Stochastic Synchronization. Physical Review Letters, 2006, 97, 210601.	2.9	72
142	Entropic stochastic resonance: the constructive role of the unevenness. European Physical Journal B, 2009, 69, 11-18.	0.6	71
143	Distance between quantum states in the presence of initial qubit-environment correlations: A comparative study. Physical Review A, 2011, 84, .	1.0	71
144	First-passage time problems for non-Markovian processes. Physical Review A, 1985, 32, 1934-1937.	1.0	70

#	ARTICLE	IF	CITATIONS
145	Wavelength-dependent measurement and evaluation of surface topographies: application of a new concept of window roughness and surface transfer function. <i>Wear</i> , 2000, 237, 231-252.	1.5	70
146	Nonadiabatic Electron Pumping: Maximal Current with Minimal Noise. <i>Physical Review Letters</i> , 2005, 95, 130601.	2.9	70
147	Unified approach to the quantum Kramers reaction rate. <i>Journal of Chemical Physics</i> , 1988, 88, 4094-4095.	1.2	69
148	Escape from a fluctuating double well. <i>Physical Review E</i> , 1995, 51, 3849-3861.	0.8	68
149	Nonlinear Electron Current through a Short Molecular Wire. <i>Physical Review Letters</i> , 2001, 86, 2862-2865.	2.9	68
150	Nonequilibrium density-matrix description of steady-state quantum transport. <i>Physical Review E</i> , 2012, 85, 011126.	0.8	68
151	Is quantum mechanics equivalent to a classical stochastic process?. <i>Physical Review A</i> , 1979, 19, 2440-2445.	1.0	67
152	Dynamics of nonlinear oscillators with fluctuating parameters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 78, 304-306.	0.9	67
153	Activation rates in bistable systems in the presence of correlated noise. <i>Physical Review A</i> , 1983, 27, 3379-3382.	1.0	67
154	Symmetric white noise can induce directed current in ratchets. <i>Physical Review E</i> , 1997, 56, 3968-3975.	0.8	67
155	Control of molecular chirality. <i>Journal of Chemical Physics</i> , 1997, 107, 9935-9941.	1.2	67
156	Giant negative mobility of Janus particles in a corrugated channel. <i>Physical Review E</i> , 2014, 89, 062115.	0.8	67
157	Generalized Fokker-Planck equation: Derivation and exact solutions. <i>European Physical Journal B</i> , 2009, 68, 567-575.	0.6	66
158	Iterative algorithm versus analytic solutions of the parametrically driven dissipative quantum harmonic oscillator. <i>Physical Review E</i> , 2000, 62, 5808-5817.	0.8	65
159	Theory of relativistic Brownian motion: The(1+3)-dimensional case. <i>Physical Review E</i> , 2005, 72, 036106.	0.8	65
160	Anomalous transport in biased ac-driven Josephson junctions: Negative conductances. <i>Physical Review B</i> , 2008, 77, .	1.1	65
161	Paradoxical motion of a single Brownian particle: Absolute negative mobility. <i>Physical Review E</i> , 2002, 66, 066132.	0.8	64
162	Nonadiabatic electron heat pump. <i>Physical Review B</i> , 2007, 76, .	1.1	64

#	ARTICLE	IF	CITATIONS
163	Ratcheting heat flux against a thermal bias. Europhysics Letters, 2008, 84, 40009.	0.7	64
164	Influence of measurements on the statistics of work performed on a quantum system. Physical Review E, 2011, 83, 041114.	0.8	64
165	Bistability and Colored Noise in Nonequilibrium Systems: Theory versus Precise Numerics. Physical Review Letters, 1988, 61, 11-14.	2.9	63
166	Tunneling Center as a Source of Voltage Rectification in Josephson Junctions. Physical Review Letters, 1998, 80, 829-832.	2.9	63
167	Surmounting oscillating barriers: Path-integral approach for weak noise. Physical Review E, 2000, 62, 6282-6303.	0.8	63
168	Quantum dynamics in strong fluctuating fields. Advances in Physics, 2005, 54, 525-584.	35.9	63
169	Quantum state preparation in circuit QED via Landau-Zener tunneling. Europhysics Letters, 2006, 76, 22-28.	0.7	63
170	Anomalous Escape Governed by Thermal $1/f$ Noise. Physical Review Letters, 2007, 99, 200601.	2.9	63
171	Microcanonical quantum fluctuation theorems. Physical Review E, 2008, 77, 051131.	0.8	63
172	Markovian embedding of non-Markovian superdiffusion. Physical Review E, 2010, 81, 011136.	0.8	63
173	Path integral solutions for non-Markovian processes. European Physical Journal B, 1989, 75, 275-281.	0.6	62
174	Brownian motors in the microscale domain: Enhancement of efficiency by noise. Physical Review E, 2014, 90, 032104.	0.8	62
175	Transient anomalous diffusion in periodic systems: ergodicity, symmetry breaking and velocity relaxation. Scientific Reports, 2016, 6, 30948.	1.6	62
176	Active Brownian motion in a narrow channel. European Physical Journal: Special Topics, 2014, 223, 3227-3242.	1.2	61
177	Brownian parametric quantum oscillator with dissipation. Physical Review E, 1995, 52, 1533-1543.	0.8	60
178	Chiral Separation in Microflows. Physical Review Letters, 2006, 96, 014502.	2.9	60
179	Hydrodynamically Enforced Entropic Trapping of Brownian Particles. Physical Review Letters, 2013, 110, 010601.	2.9	60
180	Quantum tunneling in dissipative media: Intermediate-coupling-strength results. Physical Review A, 1985, 32, 489-499.	1.0	59

#	ARTICLE	IF	CITATIONS
181	Coherent transport in a periodically driven bistable system. <i>Journal of Statistical Physics</i> , 1993, 70, 229-245.	0.5	59
182	Noise-induced transport in symmetric periodic potentials: White shot noise versus deterministic noise. <i>Europhysics Letters</i> , 1996, 35, 315-317.	0.7	59
183	Membranes for Micropumps from Macroporous Silicon. <i>Physica Status Solidi A</i> , 2000, 182, 585-590.	1.7	59
184	Two-State Theory of Nonlinear Stochastic Resonance. <i>Physical Review Letters</i> , 2003, 91, 210601.	2.9	59
185	Consistent description of quantum Brownian motors operating at strong friction. <i>Physical Review E</i> , 2004, 70, 031107.	0.8	59
186	Quantum router based on ac control of qubit chains. <i>Physical Review A</i> , 2009, 80, .	1.0	59
187	Oscillatory systems driven by noise: Frequency and phase synchronization. <i>Physical Review E</i> , 2002, 65, 051110.	0.8	58
188	Stochastic resonance vs. resonant activation. <i>Europhysics Letters</i> , 2006, 74, 937-943.	0.7	58
189	Current and universal scaling in anomalous transport. <i>Physical Review E</i> , 2006, 73, 020101.	0.8	58
190	Flow patterns and transport in Rayleigh surface acoustic wave streaming: combined finite element method and raytracing numerics versus experiments. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 2298-2305.	1.7	58
191	Ratchets driven by harmonic and white noise. <i>Physica D: Nonlinear Phenomena</i> , 1997, 109, 17-23.	1.3	57
192	Shot-noise control in ac-driven nanoscale conductors. <i>Physical Review B</i> , 2004, 70, .	1.1	57
193	Dynamical and thermal effects in nanoparticle systems driven by a rotating magnetic field. <i>Physical Review B</i> , 2006, 74, .	1.1	57
194	Thermal Equilibration between Two Quantum Systems. <i>Physical Review Letters</i> , 2011, 106, 010405.	2.9	57
195	Perturbation Spreading in Many-Particle Systems: A Random Walk Approach. <i>Physical Review Letters</i> , 2011, 106, 180601.	2.9	56
196	Dynamics of nonlinear dissipative oscillators. <i>American Journal of Physics</i> , 1983, 51, 347-352.	0.3	55
197	Optical instabilities: new theories for colored-noise-driven laser instabilities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1988, 5, 979.	0.9	55
198	Colored noise driven systems with inertia. <i>European Physical Journal B</i> , 1989, 77, 471-483.	0.6	55

#	ARTICLE	IF	CITATIONS
199	Stochastic dynamics of time correlation in complex systems with discrete time. <i>Physical Review E</i> , 2000, 62, 6178-6194.	0.8	55
200	Statistics of work performed on a forced quantum oscillator. <i>Physical Review E</i> , 2008, 78, 011115.	0.8	55
201	Shuttling heat across one-dimensional homogenous nonlinear lattices with a Brownian heat motor. <i>Physical Review E</i> , 2009, 80, 011125.	0.8	55
202	Effective Floquet-Gibbs states for dissipative quantum systems. <i>New Journal of Physics</i> , 2016, 18, 053008.	1.2	55
203	Microdynamics and time-evolution of macroscopic non-Markovian systems. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1977, 26, 389-395.	1.9	54
204	Diffusion of chiral Janus particles in a sinusoidal channel. <i>Europhysics Letters</i> , 2015, 109, 10003.	0.7	54
205	Open system trajectories specify fluctuating work but not heat. <i>Physical Review E</i> , 2016, 94, 022143.	0.8	54
206	Coherent and incoherent chaotic tunneling near singlet-doublet crossings. <i>Physical Review E</i> , 1998, 58, 7219-7230.	0.8	53
207	Is the dynamics of open quantum systems always linear?. <i>Physical Review A</i> , 2004, 69, .	1.0	53
208	Landau-Zener transitions in qubits controlled by electromagnetic fields. <i>New Journal of Physics</i> , 2005, 7, 218-218.	1.2	53
209	Double entropic stochastic resonance. <i>Europhysics Letters</i> , 2009, 87, 50003.	0.7	53
210	Asymptotic Floquet states of open quantum systems: the role of interaction. <i>New Journal of Physics</i> , 2017, 19, 083011.	1.2	53
211	Nonlinear fluctuations: The problem of deterministic limit and reconstruction of stochastic dynamics. <i>Physical Review A</i> , 1982, 25, 1130-1136.	1.0	52
212	Physics of ligand migration in biomolecules. <i>Journal of Statistical Physics</i> , 1983, 30, 401-412.	0.5	52
213	Rayleigh and depinning instabilities of forced liquid ridges on heterogeneous substrates. <i>Physical Review E</i> , 2011, 83, 016305.	0.8	52
214	Controlling decoherence of a two-level atom in a lossy cavity. <i>Journal of Modern Optics</i> , 2000, 47, 2905-2919.	0.6	51
215	Controlling the spiking activity in excitable membranes via poisoning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 665-670.	1.2	51
216	Asymmetry in shape causing absolute negative mobility. <i>Physical Review E</i> , 2010, 82, 041121.	0.8	51

#	ARTICLE	IF	CITATIONS
217	Chemotaxis of artificial microswimmers in active density waves. <i>Physical Review E</i> , 2016, 94, 012613.	0.8	51
218	Percolation behavior of the square-well fluid. <i>Journal of Chemical Physics</i> , 1986, 85, 6054-6059.	1.2	50
219	Theory of non-Markovian stochastic resonance. <i>Physical Review E</i> , 2004, 69, 021104.	0.8	50
220	Langevin description of markovian integro-differential master equations. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1980, 36, 271-282.	1.9	49
221	Fluctuations in reversible chemical reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 117, 300-316.	1.2	49
222	Suppression of tunneling in periodically driven bistable systems. <i>Physica B: Condensed Matter</i> , 1991, 175, 293-296.	1.3	49
223	The energy relaxation of a nonlinear oscillator coupled to a linear bath. <i>Journal of Chemical Physics</i> , 1996, 104, 1111-1119.	1.2	49
224	Quantum stochastic resonance in symmetric systems. <i>Physical Review E</i> , 1999, 59, 5137-5141.	0.8	49
225	Relativistic diffusion processes and random walk models. <i>Physical Review D</i> , 2007, 75, .	1.6	49
226	Two-resonator circuit quantum electrodynamics: Dissipative theory. <i>Physical Review B</i> , 2010, 81, .	1.1	49
227	Reaction rates when barriers fluctuate: A singular perturbation approach. <i>Chemical Physics</i> , 1998, 235, 11-26.	0.9	48
228	Theory of controlling stochastic resonance. <i>Physical Review E</i> , 2000, 62, 317-327.	0.8	48
229	Quantification of heart rate variability by discrete nonstationary non-Markov stochastic processes. <i>Physical Review E</i> , 2002, 65, 046107.	0.8	48
230	Nonequilibrium phases in hybrid arrays with flux qubits and nitrogen-vacancy centers. <i>Physical Review A</i> , 2012, 85, .	1.0	48
231	Employing circuit QED to measure non-equilibrium work fluctuations. <i>New Journal of Physics</i> , 2013, 15, 105028.	1.2	48
232	Simple polynomial classes of chaotic jerky dynamics. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 1-15.	2.5	47
233	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
234	Quantum stochastic resonance in an a.c.-driven single-electron quantum dot. <i>Nature Physics</i> , 2019, 15, 330-334.	6.5	47

#	ARTICLE	IF	CITATIONS
235	Single-atom energy-conversion device with a quantum load. Npj Quantum Information, 2020, 6, .	2.8	47
236	Weak-noise limit of stochastic resonance. Physical Review Letters, 1994, 72, 2682-2685.	2.9	46
237	Strong Coupling Theory for Driven Tunneling and Vibrational Relaxation. Physical Review Letters, 2000, 85, 860-863.	2.9	46
238	Landau-Zener tunnelling in dissipative circuit QED. New Journal of Physics, 2008, 10, 115012.	1.2	46
239	Infinite densities for Lévy walks. Physical Review E, 2014, 90, 062135.	0.8	46
240	Bistable oscillator dynamics driven by nonwhite noise. Physical Review A, 1986, 33, 3320-3327.	1.0	45
241	Brownian parametric oscillators. Physical Review E, 1994, 49, 3626-3635.	0.8	45
242	Transport of particles for a spatially periodic stochastic system with correlated noises. Physical Review E, 2001, 64, 011113.	0.8	45
243	Incoherent charge transport through molecular wires: interplay of Coulomb interaction and wire population. Chemical Physics, 2002, 281, 199-209.	0.9	45
244	Gain in stochastic resonance: Precise numerics versus linear response theory beyond the two-mode approximation. Physical Review E, 2003, 67, 036109.	0.8	45
245	Magnetization of Nanoparticle Systems in a Rotating Magnetic Field. Physical Review Letters, 2006, 97, 227202.	2.9	45
246	Intermediate dynamics between Newton and Langevin. Physical Review E, 2006, 74, 061111.	0.8	45
247	Brownian transport in corrugated channels with inertia. Physical Review E, 2012, 86, 021112.	0.8	44
248	Reduced density matrix for nonequilibrium steady states: A modified Redfield solution approach. Physical Review E, 2013, 88, 052127.	0.8	44
249	Quantum features of Brownian motors and stochastic resonance. Chaos, 1998, 8, 629-642.	1.0	43
250	Strong Coupling Theory for Tunneling and Vibrational Relaxation in Driven Bistable Systems. Annals of Physics, 2001, 293, 15-66.	1.0	43
251	On the conundrum of deriving exact solutions from approximate master equations. Chemical Physics, 2008, 347, 243-249.	0.9	43
252	Two-mode Bose-Einstein condensate in a high-frequency driving field that directly couples the two modes. Physical Review A, 2008, 77, .	1.0	43

#	ARTICLE	IF	CITATIONS
253	Quantum fluctuation theorems and generalized measurements during the force protocol. <i>Physical Review E</i> , 2014, 89, 032114.	0.8	43
254	Memory Index of First-Passage Time: A Simple Measure of Non-Markovian Character. <i>Physical Review Letters</i> , 1983, 51, 2242-2245.	2.9	42
255	Memory damping and energy-diffusion-controlled escape. <i>Physical Review A</i> , 1984, 29, 2265-2267.	1.0	42
256	Spin-boson description of electron transmission through a molecular wire. <i>Chemical Physics</i> , 2004, 296, 251-266.	0.9	42
257	Non-Markovian stochastic resonance: Three-state model of ion channel gating. <i>Physical Review E</i> , 2005, 71, 061906.	0.8	42
258	Quantum technology: from research to application. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	42
259	Dissipative transport in dc-ac driven tight-binding lattices. <i>Europhysics Letters</i> , 1997, 38, 497-502.	0.7	41
260	Interplay of frequency-synchronization with noise: Current resonances, giant diffusion and diffusion-crests. <i>Europhysics Letters</i> , 2002, 57, 644-650.	0.7	41
261	Controlling electron transfer processes through short molecular wires. <i>Chemical Physics</i> , 2002, 281, 211-224.	0.9	41
262	Forcing inertial Brownian motors: Efficiency and negative differential mobility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 20-24.	1.2	41
263	Steady-state Lévy flights in a confined domain. <i>Physical Review E</i> , 2008, 77, 061112.	0.8	41
264	ac-Driven Atomic Quantum Motor. <i>Physical Review Letters</i> , 2009, 102, 230601.	2.9	41
265	Entanglement resonance in driven spin chains. <i>Physical Review A</i> , 2009, 79, .	1.0	41
266	Biased Brownian motion in extremely corrugated tubes. <i>Chaos</i> , 2011, 21, 047518.	1.0	41
267	Driven Brownian transport through arrays of symmetric obstacles. <i>Physical Review E</i> , 2012, 85, 011101.	0.8	41
268	Experimental control of transport resonances in a coherent quantum rocking ratchet. <i>Nature Communications</i> , 2016, 7, 10440.	5.8	41
269	Non-Markov processes: The problem of the mean first passage time. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1981, 45, 79-83.	1.9	40
270	Minimal Quantum Brownian Rectifiers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6642-6647.	1.2	40

#	ARTICLE	IF	CITATIONS
271	Coherence Stabilization of a Two-Qubit Gate by ac Fields. <i>Physical Review Letters</i> , 2005, 95, 140502.	2.9	40
272	Noise-assisted spike propagation in myelinated neurons. <i>Physical Review E</i> , 2009, 79, 011904.	0.8	40
273	Thermodynamics and fluctuation theorems for a strongly coupled open quantum system: an exactly solvable case. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 392002.	0.7	40
274	Tunable Mass Separation via Negative Mobility. <i>Physical Review Letters</i> , 2019, 122, 070602.	2.9	40
275	Nonadiabatic Quantum Brownian Rectifiers. <i>Physical Review Letters</i> , 1998, 81, 649-652.	2.9	39
276	Controlling electron transfer in strong time-dependent fields: Theory beyond the Golden Rule approximation. <i>Journal of Chemical Physics</i> , 2000, 113, 11159-11175.	1.2	39
277	Amorphous thin film growth: Effects of density inhomogeneities. <i>Physical Review E</i> , 2001, 64, 031506.	0.8	39
278	Signal mixing in a ratchet device: commensurability and current control. <i>European Physical Journal B</i> , 2004, 40, 403-408.	0.6	39
279	Charge transport through a molecule driven by a high-frequency field. <i>Chemical Physics</i> , 2004, 296, 243-249.	0.9	39
280	Statistics of transition times, phase diffusion and synchronization in periodically driven bistable systems. <i>New Journal of Physics</i> , 2005, 7, 14-14.	1.2	39
281	Limitation of entanglement due to spatial qubit separation. <i>Europhysics Letters</i> , 2006, 76, 547-553.	0.7	39
282	Non-local observables and lightcone-averaging in relativistic thermodynamics. <i>Nature Physics</i> , 2009, 5, 741-747.	6.5	39
283	Universal fluctuations in subdiffusive transport. <i>Europhysics Letters</i> , 2009, 86, 30009.	0.7	39
284	Negative mobility induced by colored thermal fluctuations. <i>Physical Review E</i> , 2009, 80, 051121.	0.8	39
285	Coexistence of absolute negative mobility and anomalous diffusion. <i>New Journal of Physics</i> , 2019, 21, 083029.	1.2	39
286	STOCHASTIC RESONANCE AND OPTIMAL CLUSTERING FOR ASSEMBLIES OF ION CHANNELS. <i>Fluctuation and Noise Letters</i> , 2004, 04, L33-L42.	1.0	38
287	Active motion assisted by correlated stochastic torques. <i>Physical Review E</i> , 2011, 84, 011132.	0.8	38
288	Statistics of work and fluctuation theorems for microcanonical initial states. <i>New Journal of Physics</i> , 2013, 15, 095001.	1.2	38

#	ARTICLE	IF	CITATIONS
289	Meaning of temperature in different thermostistical ensembles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150039.	1.6	38
290	Thermal ratchets driven by Poissonian white shot noise. Physical Review E, 1997, 55, 4057-4066.	0.8	37
291	Generalized langevin equations: A useful tool for the perplexed modeller of nonequilibrium fluctuations?. , 1997, , 15-22.		37
292	Diffusion of Brownian particles governed by fluctuating friction. Physica A: Statistical Mechanics and Its Applications, 2000, 278, 18-31.	1.2	37
293	On derivations and solutions of master equations and asymptotic representations. Zeitschrift für Physik B Condensed Matter and Quanta, 1978, 30, 85-95.	1.9	36
294	Possibility between earthquake and explosion seismogram differentiation by discrete stochastic non-Markov processes and local Hurst exponent analysis. Physical Review E, 2001, 64, 066132.	0.8	36
295	Quantum diffusion in biased washboard potentials: Strong friction limit. Physical Review E, 2006, 73, 031105.	0.8	36
296	Entanglement creation in a quantum-dot nanocavity system by Fourier-synthesized acoustic pulses. Physical Review A, 2014, 89, .	1.0	36
297	1D momentum-conserving systems: the conundrum of anomalous versus normal heat transport. New Journal of Physics, 2015, 17, 043064.	1.2	36
298	Self-Polarizing Microswimmers in Active Density Waves. Scientific Reports, 2017, 7, 41884.	1.6	36
299	Muon decay in orbit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1974, 51, 119-122.	1.5	35
300	Energy loss in quantum tunnelling. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 104, 10-14.	0.9	35
301	Stochastic phase portraits of a damped bistable oscillator driven by colored noise. Physical Review A, 1986, 33, 4459-4461.	1.0	35
302	Hopping and phase shifts in noisy periodically driven bistable systems. European Physical Journal B, 1993, 90, 255-260.	0.6	35
303	Ratchet-driven fluid transport in bounded two-layer films of immiscible liquids. Soft Matter, 2008, 4, 1183.	1.2	35
304	Finite bath fluctuation theorem. Physical Review E, 2009, 80, 031145.	0.8	35
305	Quantum Bochkov-Kuzovlev work fluctuation theorems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 291-306.	1.6	35
306	Absolute negative mobility induced by white Poissonian noise. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P02044.	0.9	35

#	ARTICLE	IF	CITATIONS
307	Kramers escape of a self-propelled particle. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	35
308	Discrete dynamics and metastability: Mean first passage times and escape rates. <i>Journal of Statistical Physics</i> , 1987, 48, 231-254.	0.5	34
309	Delocalization and Heisenberg's uncertainty relation. <i>European Physical Journal B</i> , 2002, 30, 175-179.	0.6	34
310	Kinetic rectification of charge transmission through a single molecule. <i>Physical Review B</i> , 2006, 73, .	1.1	34
311	Novel Class of Neural Stochastic Resonance and Error-Free Information Transfer. <i>Physical Review Letters</i> , 2008, 100, 118103.	2.9	34
312	Linear response and fluctuation theorems for nonstationary stochastic processes. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1975, 22, 295-300.	1.9	33
313	Minimal model for avalanches in granular systems. <i>Physical Review E</i> , 1995, 51, 2538-2542.	0.8	33
314	Spatially periodic stochastic system with infinite globally coupled oscillators. <i>Physical Review E</i> , 2001, 64, 011106.	0.8	33
315	Subthreshold stochastic resonance: Rectangular signals can cause anomalous large gains. <i>Physical Review E</i> , 2003, 68, 061104.	0.8	33
316	Coherence control for qubits. <i>Chemical Physics</i> , 2004, 296, 307-314.	0.9	33
317	Optimal strategy for controlling transport in inertial Brownian motors. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3741-S3752.	0.7	33
318	Relative entropy, Haar measures and relativistic canonical velocity distributions. <i>New Journal of Physics</i> , 2007, 9, 144-144.	1.2	33
319	Spectrum and dynamic-response function of transmitted light in the absorptive optical bistability. <i>Physical Review A</i> , 1980, 22, 671-683.	1.0	32
320	Quantum tunneling and stochastic resonance. <i>Physical Review E</i> , 1996, 53, 5890-5898.	0.8	32
321	Regular and stochastic behavior of Parkinsonian pathological tremor signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 369, 655-678.	1.2	32
322	Numerical method for solving stochastic differential equations with Poissonian white shot noise. <i>Physical Review E</i> , 2007, 76, 011109.	0.8	32
323	Entropic transport: a test bed for the Fick-Jacobs approximation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3157-3171.	1.6	32
324	Markovian embedding of fractional superdiffusion. <i>Europhysics Letters</i> , 2011, 93, 20002.	0.7	32

#	ARTICLE	IF	CITATIONS
325	Space-Time Velocity Correlation Function for Random Walks. <i>Physical Review Letters</i> , 2013, 110, 170604.	2.9	32
326	Boosting thermoelectric efficiency using time-dependent control. <i>Scientific Reports</i> , 2015, 5, 14870.	1.6	32
327	Occurrence of discontinuities in the performance of finite-time quantum Otto cycles. <i>Physical Review E</i> , 2016, 94, 012137.	0.8	32
328	Addendum and Erratum. <i>Journal of Statistical Physics</i> , 1986, 44, 1003-1004.	0.5	31
329	Nonlinear quantum stochastic resonance. <i>Physical Review E</i> , 1996, 54, 1390-1401.	0.8	31
330	Controlling quantum coherence by circularly polarized fields. <i>Physical Review A</i> , 1997, 56, R4397-R4400.	1.0	31
331	Absolute negative mobility and current reversals of a meandering Brownian particle. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 101-109.	1.2	31
332	The diffusion in the quantum Smoluchowski equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 60-68.	1.2	31
333	Capacitance fluctuations causing channel noise reduction in stochastic Hodgkin-Huxley systems. <i>Physical Biology</i> , 2006, 3, 248-254.	0.8	31
334	AC-driven Brownian motors: A Fokker-Planck treatment. <i>American Journal of Physics</i> , 2009, 77, 602-606.	0.3	31
335	Current Resonances in Graphene with Time-Dependent Potential Barriers. <i>Physical Review Letters</i> , 2012, 109, 226602.	2.9	31
336	A remark on truncation schemes of cumulant hierarchies. <i>Journal of Statistical Physics</i> , 1980, 22, 65-67.	0.5	30
337	The role of conformational diffusion in ion channel gating. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 9-18.	1.2	30
338	Firing Time Statistics for Driven Neuron Models: Analytic Expressions versus Numerics. <i>Physical Review Letters</i> , 2004, 93, 048102.	2.9	30
339	Self-organized, noise-free escape of a coupled nonlinear oscillator chain. <i>Europhysics Letters</i> , 2007, 78, 20002.	0.7	30
340	Triggering waves in nonlinear lattices: Quest for anharmonic phonons and corresponding mean-free paths. <i>Physical Review B</i> , 2014, 90, .	1.1	30
341	Diffusion of clusters with randomly growing masses. <i>Physical Review E</i> , 1995, 51, 5762-5769.	0.8	29
342	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

#	ARTICLE	IF	CITATIONS
343	Depinning of three-dimensional drops from wettability defects. <i>Europhysics Letters</i> , 2009, 86, 24006.	0.7	29
344	Fluctuation, Dissipation and the Arrow of Time. <i>Entropy</i> , 2011, 13, 2024-2035.	1.1	29
345	Microdynamics and time-evolution of macroscopic non-Markovian systems. II. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1978, 29, 273-280.	1.9	28
346	Controlling activated surface diffusion by external fields. <i>Surface Science</i> , 1999, 437, 198-206.	0.8	28
347	Escape rates in periodically driven Markov processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 40-50.	1.2	28
348	Relativistic Brownian motion on a graphene chip. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	28
349	Invariant measure of a driven nonlinear oscillator with external noise. <i>Physical Review Letters</i> , 1990, 65, 3365-3368.	2.9	27
350	Periodic Orbit Approach to the Quantum Kramers Rate. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 379-385.	0.9	27
351	Non-Markovian process driven by quadratic noise: Kramers-Moyal expansion and Fokker-Planck modeling. <i>Physical Review E</i> , 1995, 51, 2933-2938.	0.8	27
352	Theory of frequency and phase synchronization in a rocked bistable stochastic system. <i>Physical Review E</i> , 2005, 71, 011101.	0.8	27
353	Ultrafast stop and go. <i>Nature Nanotechnology</i> , 2007, 2, 675-676.	15.6	27
354	Electron bunching in stacks of coupled quantum dots. <i>Physical Review B</i> , 2008, 77, .	1.1	27
355	Langevin equation with super-heavy-tailed noise. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 285004.	0.7	27
356	Harvesting randomness. <i>Nature Materials</i> , 2011, 10, 6-7.	13.3	27
357	Geometric magnetism in open quantum systems. <i>Physical Review A</i> , 2012, 86, .	1.0	27
358	Time-scale invariance of relaxation processes of density fluctuation in slow neutron scattering in liquid cesium. <i>Physical Review E</i> , 2001, 64, 057101.	0.8	26
359	Activated escape over oscillating barriers: The case of many dimensions. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, 53-71.	0.7	26
360	Coherent charge transport through molecular wires: Influence of strong Coulomb repulsion. <i>Chemical Physics</i> , 2006, 322, 193-199.	0.9	26

#	ARTICLE	IF	CITATIONS
361	Dissipationless directed transport in rocked single-band quantum dynamics. <i>Physical Review A</i> , 2007, 75, .	1.0	26
362	Rapidly driven nanoparticles: Mean first-passage times and relaxation of the magnetic moment. <i>Physical Review B</i> , 2007, 75, .	1.1	26
363	Entanglement creation in circuit QED via Landau-Zener sweeps. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 40, 187-197.	1.3	26
364	Molecular wires acting as quantum heat ratchets. <i>Physical Review E</i> , 2009, 80, 061115.	0.8	26
365	In-phase and anti-phase synchronization in noisy Hodgkin-Huxley neurons. <i>Mathematical Biosciences</i> , 2013, 245, 49-55.	0.9	26
366	Optimizing the performance of the entropic splitter for particle separation. <i>Journal of Chemical Physics</i> , 2014, 141, 074104.	1.2	26
367	Activation rates in dispersive optical bistability with amplitude and phase fluctuations: A case without detailed balance. <i>Physical Review A</i> , 1984, 29, 768-773.	1.0	25
368	Comment on "Bistability Driven by Weakly Colored Gaussian Noise: The Fokker-Planck Boundary Layer and Mean First-Passage Times". <i>Physical Review Letters</i> , 1988, 60, 2804-2804.	2.9	25
369	Kramers problem in evolutionary strategies. <i>Physical Review E</i> , 2003, 67, 061118.	0.8	25
370	Kinetic theory for electron transmission through a molecular wire. <i>Chemical Physics</i> , 2005, 319, 380-408.	0.9	25
371	Collective dynamics in liquid aluminum near the melting temperature: Theory and computer simulation. <i>Journal of Experimental and Theoretical Physics</i> , 2006, 103, 841-849.	0.2	25
372	Incomplete pure dephasing of N-qubit entangled W states. <i>Physical Review B</i> , 2007, 76, .	1.1	25
373	One-dimensional non-relativistic and relativistic Brownian motions: a microscopic collision model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 374, 559-572.	1.2	25
374	Fractional Fokker-Planck subdiffusion in alternating force fields. <i>Physical Review E</i> , 2009, 79, 041137.	0.8	25
375	Steering Bose-Einstein Condensates despite Time Symmetry. <i>Physical Review Letters</i> , 2009, 102, 130604.	2.9	25
376	Evaluation of infinite series by use of continued fraction expansions: A numerical study. <i>Journal of Computational Physics</i> , 1980, 37, 242-258.	1.9	24
377	Relaxation time scales in collective dynamics of liquid alkali metals. <i>Journal of Chemical Physics</i> , 2004, 121, 7341-7346.	1.2	24
378	Nonlinear Landau-Zener processes in a periodic driving field. <i>New Journal of Physics</i> , 2008, 10, 073008.	1.2	24

#	ARTICLE	IF	CITATIONS
379	On the relations between Markovian master equations and stochastic differential equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1981, 107, 143-157.	1.2	23
380	Surmounting a fluctuating double well: A numerical study. <i>Physical Review E</i> , 1995, 52, R2149-R2152.	0.8	23
381	Transformation invariance of Lyapunov exponents. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 1377-1383.	2.5	23
382	Controlling directed transport in two-dimensional periodic structures under crossed electric fields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 406-416.	1.2	23
383	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
384	Geometric phase as a determinant of a qubit's environment coupling. <i>Quantum Information Processing</i> , 2011, 10, 85-96.	1.0	23
385	How entropy and hydrodynamics cooperate in rectifying particle transport. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2453-2463.	1.2	23
386	Colossal Brownian yet non-Gaussian diffusion induced by nonequilibrium noise. <i>Physical Review E</i> , 2020, 102, 042121.	0.8	23
387	Possibility of quantum effects reducing the rate of escape from a metastable well. <i>Physical Review B</i> , 1989, 40, 7295-7297.	1.1	22
388	Rocking bistable systems: Use and abuse of linear response theory. <i>Europhysics Letters</i> , 2002, 58, 342-348.	0.7	22
389	Dynamic structure factor in liquid cesium on the basis of time-scale invariance of relaxation processes. <i>JETP Letters</i> , 2002, 76, 147-150.	0.4	22
390	Entropic transport of finite size particles. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 454109.	0.7	22
391	Electronic heat transport across a molecular wire: Power spectrum of heat fluctuations. <i>Physical Review B</i> , 2011, 84, .	1.1	22
392	Detectable inertial effects on Brownian transport through narrow pores. <i>Europhysics Letters</i> , 2012, 98, 50002.	0.7	22
393	Logarithmic Oscillators: Ideal Hamiltonian Thermostats. <i>Physical Review Letters</i> , 2012, 108, 250601.	2.9	22
394	Dissipative tunneling. <i>European Physical Journal B</i> , 1987, 68, 181-191.	0.6	21
395	Switching in the presence of colored noise: The decay of an unstable state. <i>Physical Review A</i> , 1988, 38, 4690-4695.	1.0	21
396	Complex Interaction Times in Time-Dependent Scattering Problems. <i>Europhysics Letters</i> , 1988, 7, 7-12.	0.7	21

#	ARTICLE	IF	CITATIONS
397	Effect of Periodic Driving on the Escape in Periodic Potentials. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 311-318.	0.9	21
398	Power Spectrum of a Driven Bistable System. Europhysics Letters, 1994, 26, 571-576.	0.7	21
399	Diffusion time-scale invariance, randomization processes, and memory effects in Lennard-Jones liquids. Physical Review E, 2003, 68, 051201.	0.8	21
400	Anomalous diffusion for overdamped particles driven by cross-correlated white noise sources. Physical Review E, 2006, 73, 036120.	0.8	21
401	Intrinsic coherence resonance in excitable membrane patches. Mathematical Biosciences, 2007, 207, 235-245.	0.9	21
402	Parameters of the fractional Fokker-Planck equation. Europhysics Letters, 2009, 85, 40007.	0.7	21
403	Tuning the Mobility of a Driven Bose-Einstein Condensate via Diabatic Floquet Bands. Physical Review Letters, 2013, 110, 135302.	2.9	21
404	Josephson junction ratchet: The impact of finite capacitances. Physical Review B, 2014, 90, .	1.1	21
405	Qubit interference at avoided crossings: The role of driving shape and bath coupling. Physical Review A, 2015, 91, .	1.0	21
406	Non-monotonic temperature dependence of chaos-assisted diffusion in driven periodic systems. New Journal of Physics, 2016, 18, 123029.	1.2	21
407	Stochastic theory of ligand migration in biomolecules.. Proceedings of the National Academy of Sciences of the United States of America, 1978, 75, 26-29.	3.3	20
408	Brownsche Motoren: Wie aus Brownscher Bewegung makroskopischer Transport wird. Physik Journal, 1995, 51, 506-507.	0.1	20
409	Dissipative tunneling with periodic polychromatic driving: Exact results and tractable approximations. Chemical Physics, 1997, 217, 167-178.	0.9	20
410	Self-organized escape of oscillator chains in nonlinear potentials. Physical Review E, 2007, 76, 041110.	0.8	20
411	Statistical quantifiers of memory for an analysis of human brain and neuro-system diseases. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2100-2110.	1.2	20
412	Exact solutions of discrete master equations in terms of continued fractions. Zeitschrift Für Physik B Condensed Matter and Quanta, 1979, 34, 411-417.	1.9	19
413	Colored-noise-driven bistable systems. Physical Review A, 1989, 40, 5447-5450.	1.0	19
414	Localization and tunneling in periodically driven bistable systems. Physica A: Statistical Mechanics and Its Applications, 1993, 194, 173-182.	1.2	19

#	ARTICLE	IF	CITATIONS
415	Suppression of quantum coherence: Noise effect. <i>Chemical Physics</i> , 1998, 235, 81-92.	0.9	19
416	New evidence for the idea of timescale invariance of relaxation processes in simple liquids: the case of molten sodium. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2235-2257.	0.7	19
417	The role of different reorganization energies within the Zusman theory of electron transfer. <i>Journal of Chemical Physics</i> , 2003, 118, 291-303.	1.2	19
418	Non-Markov stochastic dynamics of real epidemic process of respiratory infections. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 331, 300-318.	1.2	19
419	Domain statistics in a finite Ising chain. <i>Physical Review E</i> , 2005, 71, 046137.	0.8	19
420	Relativistic Brownian motion: From a microscopic binary collision model to the Langevin equation. <i>Physical Review E</i> , 2006, 74, 051106.	0.8	19
421	Slowly rocking symmetric, spatially periodic Hamiltonians: The role of escape and the emergence of giant transient directed transport. <i>European Physical Journal B</i> , 2008, 62, 493-503.	0.6	19
422	Locking equation with colored noise: Continued fraction solution versus decoupling theory. <i>Physical Review A</i> , 1987, 35, 4882-4885.	1.0	18
423	Breathers and Kink-Antikink Nucleation. <i>Physical Review Letters</i> , 1996, 77, 787-787.	2.9	18
424	Stratification of the phase clouds and statistical effects of the non-Markovity in chaotic time series of human gait for healthy people and Parkinson patients. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 319, 432-446.	1.2	18
425	Rate description of Fokker-Planck processes with time-periodic parameters. <i>Chemical Physics</i> , 2010, 370, 277-289.	0.9	18
426	Memory effect on thermally activated escape rates. <i>Physical Review A</i> , 1982, 26, 2996-2999.	1.0	17
427	Surmounting fluctuating barriers: Basic concepts and results. , 1997, , 127-139.		17
428	Controlling nonlinear stochastic resonance by harmonic mixing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 95-105.	1.2	17
429	Computing stationary free-surface shapes in microfluidics. <i>Physics of Fluids</i> , 2006, 18, 103303.	1.6	17
430	Analysis of the dynamics of liquid aluminium: recurrent relation approach. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 046209.	0.7	17
431	Accumulating particles at the boundaries of a laminar flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 385, 46-58.	1.2	17
432	Time parameters and Lorentz transformations of relativistic stochastic processes. <i>Physical Review E</i> , 2009, 79, 010101.	0.8	17

#	ARTICLE	IF	CITATIONS
433	Negativity and quantum discord in Davies environments. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 485306.	0.7	17
434	Taxis of Artificial Swimmers in a Spatio-Temporally Modulated Activation Medium. <i>Entropy</i> , 2017, 19, 97.	1.1	17
435	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
436	Quantum tunneling at low temperatures: Results for weak damping. <i>European Physical Journal B</i> , 1986, 64, 237-246.	0.6	16
437	Decay of a metastable state: A variational approach. <i>Physical Review B</i> , 1986, 34, 1952-1955.	1.1	16
438	Numerical study of tunneling in a dissipative system. <i>Physical Review B</i> , 1990, 41, 2210-2220.	1.1	16
439	Coulomb repulsion effects in driven electron transport. <i>European Physical Journal B</i> , 2006, 54, 201-209.	0.6	16
440	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
441	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
442	Transient switch-on/off currents in molecular junctions. <i>Journal of Chemical Physics</i> , 2011, 134, 204701.	1.2	16
443	Transient currents in a molecular photo-diode. <i>Chemical Physics</i> , 2012, 407, 53-64.	0.9	16
444	Łvy walks with velocity fluctuations. <i>Physical Review E</i> , 2012, 85, 031148.	0.8	16
445	Quantum decay into a continuum at weak bias. <i>Physical Review A</i> , 1986, 34, 4558-4566.	1.0	15
446	Quantum stochastic resonance in parallel. <i>New Journal of Physics</i> , 1999, 1, 14-14.	1.2	15
447	Stochastic resonance in biological nonlinear evolution models. <i>Physical Review E</i> , 2004, 69, 056118.	0.8	15
448	Ratchet transport for a chain of interacting charged particles. <i>Physical Review E</i> , 2005, 71, 016104.	0.8	15
449	Transport by bi-harmonic drives: from harmonic to vibrational mixing. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3709-S3718.	0.7	15
450	Charge transmission through a molecular wire: The role of terminal sites for the current-voltage behavior. <i>Journal of Chemical Physics</i> , 2007, 127, 084709.	1.2	15

#	ARTICLE	IF	CITATIONS
451	Underdamped quantum ratchets. <i>Europhysics Letters</i> , 2009, 85, 40003.	0.7	15
452	Large-scale ferrofluid simulations on graphics processing units. <i>Computer Physics Communications</i> , 2013, 184, 1483-1489.	3.0	15
453	Quantum resonant activation. <i>Physical Review E</i> , 2017, 95, 042104.	0.8	15
454	On the equivalence of time-convolutionless master equations and generalized Langevin equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978, 68, 9-11.	0.9	14
455	Bistability in active circuits: Application of a novel Fokker-Planck approach. <i>IBM Journal of Research and Development</i> , 1988, 32, 119-126.	3.2	14
456	Phase-space signatures of the Anderson transition. <i>Physical Review B</i> , 2003, 68, .	1.1	14
457	Quantum two-state dynamics driven by stationary non-Markovian discrete noise: Exact results. <i>Chemical Physics</i> , 2006, 324, 160-171.	0.9	14
458	Stationary Hamiltonian transport with dc bias. <i>Europhysics Letters</i> , 2006, 74, 588-594.	0.7	14
459	Dephasing of qubits by the Schrödinger cat. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 374-377.	1.3	14
460	Brownian motion in confined geometries. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3021-3025.	1.2	14
461	Continued Fraction Expansions in Scattering Theory and Statistical Non-Equilibrium Mechanics. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1978, 33, 402-417.	0.7	14
462	Continued fraction solutions of discrete master equations not obeying detailed balance II. <i>Zeitschrift Für Physik B Condensed Matter and Quanta</i> , 1980, 39, 269-279.	1.9	13
463	Langevin description of Markov master equations II: Noise correlations. <i>Zeitschrift Für Physik B Condensed Matter and Quanta</i> , 1981, 43, 269-273.	1.9	13
464	Macroscopic Quantum Tunneling at Finite Temperatures. <i>Annals of the New York Academy of Sciences</i> , 1986, 480, 51-65.	1.8	13
465	Dissipative Tunnelling in a Sine-Gordon Chain at High Temperatures. <i>Europhysics Letters</i> , 1990, 13, 217-222.	0.7	13
466	Resonant laser excitation of molecular wires. <i>Israel Journal of Chemistry</i> , 2002, 42, 135-141.	1.0	13
467	Fractional diffusion in periodic potentials. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065114.	0.7	13
468	Transport of flexible chiral objects in a uniform shear flow. <i>New Journal of Physics</i> , 2012, 14, 073006.	1.2	13

#	ARTICLE	IF	CITATIONS
469	Thermostated Hamiltonian Dynamics with Log Oscillators. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12829-12835.	1.2	13
470	CHECKING LINEAR RESPONSE THEORY IN DRIVEN BISTABLE SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2002, 02, L127-L138.	1.0	12
471	Excitable Membranes: Channel Noise, Synchronization, and Stochastic Resonance. , 2002, , 359-370.		12
472	Long-range memory and non-Markov statistical effects in human sensorimotor coordination. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 671-687.	1.2	12
473	Solvent controlled charge transfer dynamics on diabatic surfaces with different curvatures. <i>Chemical Physics Letters</i> , 2002, 360, 333-339.	1.2	12
474	Growth instabilities of vapor deposited films: atomic size versus deflection effect. <i>European Physical Journal B</i> , 2002, 27, 435-442.	0.6	12
475	Membrane Clusters of Ion Channels: Size Effects for Stochastic Resonance. <i>Lecture Notes in Physics</i> , 2003, , 195-206.	0.3	12
476	Mean first-passage times for an ac-driven magnetic moment of a nanoparticle. <i>Europhysics Letters</i> , 2006, 76, 1001-1007.	0.7	12
477	Deterministic escape dynamics of two-dimensional coupled nonlinear oscillator chains. <i>Physical Review E</i> , 2008, 77, 061135.	0.8	12
478	Non-Markovian equilibrium dynamics and fluctuation-dissipation theorem. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978, 66, 255-257.	0.9	11
479	Stochastic theory for the kinetics of migration of ligands in biomolecules. <i>Journal of Theoretical Biology</i> , 1978, 74, 337-359.	0.8	11
480	Nucleation and growth with periodic modulation: Asymptotic versus exact results. <i>Physical Review E</i> , 1994, 49, 641-648.	0.8	11
481	Effect of vertical vibrations on avalanches in granular systems. <i>Physical Review E</i> , 1994, 50, 3464-3469.	0.8	11
482	What can be stated by the Glansdorff-Prigogine criterion concerning the stability of mass-action kinetic systems?. <i>Journal of Chemical Physics</i> , 1999, 110, 6128-6134.	1.2	11
483	Diffusion processes and memory effects. <i>New Journal of Physics</i> , 2005, 7, 9-9.	1.2	11
484	Optimal strategy for controlling transport in inertial Brownian motors. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4111-4112.	0.7	11
485	Arrival time distribution for a driven system containing quenched dichotomous disorder. <i>Physical Review E</i> , 2007, 76, 031101.	0.8	11
486	Nonstationary stochastic resonance viewed through the lens of information theory. <i>European Physical Journal B</i> , 2009, 69, 29-35.	0.6	11

#	ARTICLE	IF	CITATIONS
487	Entropic transport in energetic potentials. <i>Chemical Physics</i> , 2010, 375, 514-517.	0.9	11
488	LÃ©vy distribution in many-particle quantum systems. <i>Physical Review A</i> , 2010, 81, .	1.0	11
489	Quantum ratchet transport with minimal dispersion rate. <i>Physical Review A</i> , 2011, 84, .	1.0	11
490	Giant enhancement of hydrodynamically enforced entropic trapping in thin channels. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3095-3111.	1.2	11
491	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
492	Quantum Brownian motion under generalized position measurements: a converse Zeno scenario. <i>New Journal of Physics</i> , 2018, 20, 033001.	1.2	11
493	Nonlinear effects of colored nonstationary noise: Exact results. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 83, 196-198.	0.9	10
494	ac-Driven quantum decay. <i>Chemical Physics</i> , 1993, 170, 295-301.	0.9	10
495	First-passage time for randomly flashing diffusion. <i>Physical Review E</i> , 1995, 52, 5810-5816.	0.8	10
496	Control of reaction rate by asymmetric two-state noise. <i>Journal of Chemical Physics</i> , 1999, 111, 3349-3356.	1.2	10
497	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
498	Biased diffusion in a piecewise linear random potential. <i>European Physical Journal B</i> , 2010, 76, 1-11.	0.6	10
499	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
500	Quantum thermal equilibration from equipartition. <i>Europhysics Letters</i> , 2012, 98, 40011.	0.7	10
501	Merits and qualms of work fluctuations in classical fluctuation theorems. <i>Physical Review E</i> , 2017, 95, 012106.	0.8	10
502	Asymptotic Floquet states of non-Markovian systems. <i>Physical Review A</i> , 2017, 96, .	1.0	10
503	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
504	Diffusion of colloidal rods in corrugated channels. <i>Physical Review E</i> , 2019, 99, 020601.	0.8	10

#	ARTICLE	IF	CITATIONS
505	Rectification Through Entropic Barriers. <i>Advances in Solid State Physics</i> , 2009, , 317-328.	0.8	10
506	Quantum tunneling at low temperatures: Results for weak damping. <i>European Physical Journal B</i> , 1987, 67, 271-271.	0.6	9
507	Resonantly Enhanced Quantum Decay. <i>Europhysics Letters</i> , 1992, 18, 1-6.	0.7	9
508	Continuous approximation of a random walk. <i>Physical Review E</i> , 1994, 49, 894-897.	0.8	9
509	Quantum ratchets reroute electrons. <i>Physics World</i> , 1999, 12, 21-22.	0.0	9
510	Semiclassical electron transfer: Zusman equations versus Langevin approach. <i>Chemical Physics</i> , 2001, 268, 151-164.	0.9	9
511	Kinetic control of the current through a single molecule. <i>Chemical Physics</i> , 2006, 328, 173-182.	0.9	9
512	Self-consistent approach in the microdynamics description of supercooled liquids and glasses. <i>Physics of the Solid State</i> , 2006, 48, 1760-1763.	0.2	9
513	Dynamical bimodality in equilibrium monostable systems. <i>Physical Review E</i> , 2006, 74, 041102.	0.8	9
514	Wall-mediated self-diffusion in slit and cylindrical pores. <i>Physical Review E</i> , 2008, 77, 031202.	0.8	9
515	Surmounting collectively oscillating bottlenecks. <i>Europhysics Letters</i> , 2008, 83, 60008.	0.7	9
516	Thermodynamics of d -dimensional hard sphere fluids confined to micropores. <i>Journal of Chemical Physics</i> , 2011, 134, 114502.	1.2	9
517	On the origin of power laws in equilibrium. <i>Europhysics Letters</i> , 2012, 99, 60004.	0.7	9
518	Power spectrum of electronic heat current fluctuations. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2355-2364.	0.7	9
519	Geometric quantum pumping in the presence of dissipation. <i>Physical Review B</i> , 2014, 90, .	1.1	9
520	Cooperative surmounting of bottlenecks. <i>Physics Reports</i> , 2015, 586, 1-51.	10.3	9
521	Amorphous Thin Film Growth: Modeling and Pattern Formation. , 2001, , 391-403.		9
522	Directed Current Without Dissipation: Reincarnation of a Maxwell's Loschmidt Demon. , 2000, , 7-20.		9

#	ARTICLE	IF	CITATIONS
523	Stochastic Field Equation for Amorphous Surface Growth. , 2000, , 473-483.		9
524	Comment on "Measurability of nonequilibrium thermodynamics in terms of the Hamiltonian of mean force" Physical Review E, 2020, 102, 066101.	0.8	9
525	Many Faces of Non-equilibrium: Anomalous Transport Phenomena in Driven Periodic Systems. Acta Physica Polonica B, 2020, 51, 1131.	0.3	9
526	Initiation of a phase transition by preexisting nuclei. Journal of Chemical Physics, 1994, 101, 1503-1512.	1.2	8
527	Dye laser with pump and quantum noise. Physical Review A, 1996, 54, 755-759.	1.0	8
528	Spectral statistics of global avalanches along granular piles. Europhysics Letters, 1997, 40, 393-398.	0.7	8
529	Controlling currents through molecular wires. Superlattices and Microstructures, 2003, 34, 419-427.	1.4	8
530	Power-law distributions resulting from finite resources. Physica A: Statistical Mechanics and Its Applications, 2003, 329, 499-508.	1.2	8
531	Neuron firing in driven nonlinear integrate-and-fire models. Mathematical Biosciences, 2007, 207, 302-311.	0.9	8
532	Electron transport across a quantum wire in the presence of electron leakage to a substrate. European Physical Journal B, 2010, 78, 75-81.	0.6	8
533	Entanglement and disentanglement in circuit QED architectures. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 363-368.	1.3	8
534	Enhancing energy harvesting by coupling monostable oscillators. European Physical Journal B, 2017, 90, 1.	0.6	8
535	Rate of phase slips of a driven Van der Pol oscillator at low noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 93, 447-450.	0.9	7
536	Time-Resolved Measurement of a Charge Qubit. Physical Review Letters, 2009, 102, 033602.	2.9	7
537	Discontinuous conductance of bichromatically ac-gated quantum wires. Physical Review B, 2009, 79, .	1.1	7
538	Comment on "Coherent Ratchets in Driven Bose-Einstein Condensates" Physical Review Letters, 2010, 104, 228901; author reply 228902.	2.9	7
539	Mapping the Arnold web with a graphic processing unit. Chaos, 2011, 21, 043123.	1.0	7
540	Generation and stabilization of Bell states via repeated projective measurements on a driven ancilla qubit. Physica Scripta, 2018, 93, 064001.	1.2	7

#	ARTICLE	IF	CITATIONS
541	Dissipation-induced rotation of suspended ferromagnetic nanoparticles. <i>Physical Review B</i> , 2019, 100, .	1.1	7
542	Complementary Densities of Lévy Walks: Typical and Rare Fluctuations. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 76-106.	0.9	7
543	Error Bounds of Continued Fractions for Complex Transport Coefficients and Spectral Functions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1978, 33, 1380-1382.	0.7	6
544	Diffusion on surfaces of finite size: Mössbauer effect as a probe. <i>Surface Science</i> , 1982, 122, 459-473.	0.8	6
545	The influence of dissipation on the quantal transition state tunnelling rate. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 1543-1549.	1.5	6
546	Dissipative tunneling control by elliptically polarized fields. <i>Journal of Chemical Physics</i> , 1998, 109, 2635-2643.	1.2	6
547	Hysteretic transition between avalanches and continuous flow in rotated granular systems. <i>Chaos</i> , 1999, 9, 649-653.	1.0	6
548	Synchronization of simple chaotic flows. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 287, 90-98.	0.9	6
549	Age-related alterations of relaxation processes and non-Markov effects in stochastic dynamics of RR intervals variability from human ECGs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 353, 336-352.	1.2	6
550	Improving the purity of one- and two-qubit gates. <i>Fortschritte Der Physik</i> , 2006, 54, 804-819.	1.5	6
551	Analytically solvable model of a driven system with quenched dichotomous disorder. <i>Physical Review E</i> , 2007, 75, 061123.	0.8	6
552	Molecular electronics in junctions with energy disorder. <i>New Journal of Physics</i> , 2008, 10, 065013.	1.2	6
553	Spatially Resolved Ballistic Optoelectronic Transport Measured by Quantized Photocurrent Spectroscopy. <i>Nano Letters</i> , 2010, 10, 3836-3840.	4.5	6
554	Time-resolved qubit readout via nonlinear Josephson inductance. <i>New Journal of Physics</i> , 2011, 13, 093022.	1.2	6
555	Josephson-like currents in graphene for arbitrary time-dependent potential barriers. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	6
556	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
557	Deformed Jarzynski Equality. <i>Entropy</i> , 2017, 19, 419.	1.1	6
558	Molecular Wires in Electromagnetic Fields. <i>Advances in Solid State Physics</i> , 2004, , 157-168.	0.8	6

#	ARTICLE	IF	CITATIONS
559	Controlling decoherence of a two-level atom in a lossy cavity. , 0, .		6
560	On escape rates in systems with memory effects. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 103, 97-98.	0.9	5
561	Phenomenological shortcut to dissipative tunneling. Physical Review A, 1987, 36, 2359-2363.	1.0	5
562	Rate Processes in Dissipative Systems: 50 Years after Kramers. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 225-225.	0.9	5
563	Transport suppression in heterostructures driven by an ac gate voltage. Chemical Physics, 2005, 319, 360-367.	0.9	5
564	Collective behavior of coupled mesoscopic cylinders. Physica Status Solidi (B): Basic Research, 2005, 242, 196-202.	0.7	5
565	Strong memory in time series of human magnetoencephalograms can identify photosensitive epilepsy. Journal of Experimental and Theoretical Physics, 2007, 104, 644-650.	0.2	5
566	Directed transport in periodically rocked random sawtooth potentials. Physical Review E, 2009, 79, 051102.	0.8	5
567	Fast initial qubit dephasing and the influence of substrate dimensions on error correction rates. European Physical Journal B, 2009, 68, 523-527.	0.6	5
568	Exciton- and Light-induced Current in Molecular Nanojunctions. , 2009, , .		5
569	Quantum Machine Using Cold Atoms. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2441-2447.	0.4	5
570	Temperature-resonant cyclotron spectra in confined geometries. Physical Review E, 2011, 84, 011107.	0.8	5
571	Decay of a metastable state: A variational approximation. Physica A: Statistical Mechanics and Its Applications, 1987, 142, 178-198.	1.2	4
572	Microscopic reversibility and the nonlinear Einstein-Onsager relation in macroscopic description of nucleation. Journal of Statistical Physics, 1995, 78, 431-439.	0.5	4
573	Stochastic resonance in optical bistable systems: Amplification and generation of higher harmonics. Chaos, Solitons and Fractals, 1995, 5, 1775-1778.	2.5	4
574	Effect of periodic shear on avalanches in granular systems. Physica D: Nonlinear Phenomena, 1996, 97, 577-587.	1.3	4
575	From ballistic motion to localization: a phase space analysis. European Physical Journal B, 2002, 27, 11-14.	0.6	4
576	Universal approach to overcoming nonstationarity, unsteadiness and non-Markovity of stochastic processes in complex systems. Physica A: Statistical Mechanics and Its Applications, 2005, 345, 303-325.	1.2	4

#	ARTICLE	IF	CITATIONS
577	AC-Driven Transport Through Molecular Wires. , 2006, , 55-75.		4
578	Relaxation and phase space singularities in time series of human magnetoencephalograms as indicator of photosensitive epilepsy. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 443-454.	1.2	4
579	Theoretical and experimental investigations of Coulomb blockade in coupled quantum dot systems. Journal of Physics Condensed Matter, 2008, 20, 374108.	0.7	4
580	Focus on nonequilibrium fluctuation relations: from classical to quantum. New Journal of Physics, 2015, 17, 020201.	1.2	4
581	Subdiffusive Dynamics in Washboard Potentials: Two Different Approaches and Different Universality Classes. , 2011, , 307-329.		4
582	Quasi-stationary states of game-driven systems: A dynamical approach. Chaos, 2020, 30, 123145.	1.0	4
583	MEMORY INDEX OF FIRST-PASSAGE TIME: A SIMPLE MEASURE OF NON-MARKOVIAN CHARACTER.. Physical Review Letters, 1984, 52, 484-484.	2.9	3
584	Phase diagram of doped oxide superconductors: A slave-boson approach. Physical Review B, 1993, 47, 11540-11543.	1.1	3
585	Coupled Brownian rectifiers. , 1997, , .		3
586	Mass separation by ratchets. , 1997, , .		3
587	Nonlinear Properties of an Inter-Electrode Current Through a Short Molecular Wire. Molecular Crystals and Liquid Crystals, 2001, 361, 209-216.	0.3	3
588	Shot noise in spin pumps. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1276-1278.	1.3	3
589	STATISTICAL MEMORY OF MEG SIGNALS AT PHOTOSENSITIVE EPILEPSY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2799-2805.	0.7	3
590	The study of dynamic singularities of seismic signals by the generalized Langevin equation. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3629-3635.	1.2	3
591	Monitoring entanglement evolution and collective quantum dynamics. Physical Review B, 2011, 83, .	1.1	3
592	Non-Markovian qubit decoherence during dispersive readout. Physical Review A, 2012, 85, .	1.0	3
593	Campisi <i>et al.</i> Reply.. Physical Review Letters, 2013, 110, 028902.	2.9	3
594	Comment on "Experimental Verification of a Jarzynski-Related Information-Theoretic Equality by a Single Trapped Ion". Physical Review Letters, 2018, 121, 088901.	2.9	3

#	ARTICLE	IF	CITATIONS
595	Driven Tunneling: Chaos and Decoherence. , 1999, , 125-157.		3
596	Transporting Cold Atoms in Optical Lattices with Ratchets: Mechanisms and Symmetries. Springer Series in Optical Sciences, 2010, , 181-194.	0.5	3
597	BARRIER CROSSING AT LOW TEMPERATURES. , 1993, , 268-292.		3
598	Dynamic effects and information quantifiers of statistical memory of MEG's signals at photosensitive epilepsy. Mathematical Biosciences and Engineering, 2009, 6, 189-206.	1.0	3
599	Finite Temperature Tunnelling in Reaction Theory. Europhysics News, 1987, 18, 71-74.	0.1	2
600	Jung and HÃnggi reply. Physical Review Letters, 1989, 62, 1206-1206.	2.9	2
601	Stochastic processes of demarkovization and markovization in chaotic signals of human brain electric activity from EEGs during epilepsys. Journal of Experimental and Theoretical Physics, 2003, 96, 572-580.	0.2	2
602	Fluctuations and Noise in Stochastic Spread of Respiratory Infection Epidemics in Social Networks. AIP Conference Proceedings, 2003, , .	0.3	2
603	Entanglement swapping in presence of dephasing. Physica Status Solidi (B): Basic Research, 2009, 246, 936-940.	0.7	2
604	Noisy saltatory spike propagation: The breakdown of signal transmission due to channel noise. European Physical Journal: Special Topics, 2010, 187, 171-177.	1.2	2
605	Learning games for children with intellectual challenges. , 2012, , .		2
606	Simulation of Heat Transport in Low-Dimensional Oscillator Lattices. Lecture Notes in Physics, 2016, , 239-274.	0.3	2
607	Driven tunneling: New possibilities for coherent and incoherent quantum transport. , 1995, , 269-281.		2
608	Bistable Flows Driven by Colored Noise. Springer Proceedings in Physics, 1984, , 95-103.	0.1	2
609	Precession of a Fine Magnetic Particle with Finite Anisotropy in a Viscous Fluid. Journal of Nano- and Electronic Physics, 2016, 8, 04086-1-04086-5.	0.2	2
610	Velocity Multistability vs. Ergodicity Breaking in a Biased Periodic Potential. Entropy, 2022, 24, 98.	1.1	2
611	NON-STOKESIAN DAMPING AND THERMALLY ACTIVATED ESCAPE. Annals of the New York Academy of Sciences, 1983, 404, 198-199.	1.8	1
612	Alpha particle tunnelling in the field of a magnetic monopole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 176, 260-265.	1.5	1

#	ARTICLE	IF	CITATIONS
613	Tunnelling in reaction theory: the effect of memory friction. <i>Physica Scripta</i> , 1988, 37, 559-563.	1.2	1
614	Comment on "Color-induced transition to a nonconventional diffusion regime". <i>Physical Review Letters</i> , 1989, 63, 216-216.	2.9	1
615	Lasers with injected signals: Fluctuations and linewidths. <i>European Physical Journal B</i> , 1992, 86, 151-155.	0.6	1
616	Stochastic resonance in optical bistable systems. <i>AIP Conference Proceedings</i> , 1993, , .	0.3	1
617	Tunneln mit Antrieb. <i>Physik Journal</i> , 1995, 51, 956-958.	0.1	1
618	Erratum to "Dissipative tunneling with periodic polychromatic driving: Exact results and tractable approximations". <i>Chemical Physics</i> , 1998, 232, 371-372.	0.9	1
619	Voltage Rectification in a Driven Asymmetric SQUID. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998, 08, 849-851.	0.7	1
620	Was taugt der Physikunterricht?/L'Äuft die Nanotechnik dem Menschen davon?/Praxis mangelhaft, Englisch sehr gut/Kinder und Karriere?/Evaluation der Blauen Liste abgeschlossen/Schneller Surfen in Europa/USA: US-Fusionsforschung muss Isolation beenden, Benachteiligt wegen asiatischer Herkunft?, Perspektiven der DOE-Forschung, Ist die Pluto-Mission noch zu retten?, Initiative für den Schulunterricht gescheitert, Gute Noten für US-Materialwissenschaften, Großbritanniens Physik profitiert vom neuen Haushalt/Fran. <i>Physik Journal</i> , 2001, 57, 6-18.	0.1	1
621	NOISE IN BIOPHYSICAL SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2004, 04, v-vi.	1.0	1
622	Can Self-Sustaining Currents Be Induced In A System Of Mesoscopic Rings?. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	1
623	Transport Through a Driven Three-Site System. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 426, 59-69.	0.4	1
624	Bell-state generation in circuit QED via Landau-Zener tunneling. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
625	FIDELITY AND ENTANGLEMENT OF A SPATIALLY EXTENDED LINEAR THREE-QUBIT REGISTER. <i>International Journal of Quantum Information</i> , 2008, 06, 681-687.	0.6	1
626	Correlations in Complex Systems. , 2012, , 705-723.		1
627	Membranes for Micropumps from Macroporous Silicon. , 2000, 182, 585.		1
628	Brownian motors: Current fluctuations and rectification efficiency. , 0, .		1
629	When It Helps to Be Purely Hamiltonian: Acceleration of Rare Events and Enhanced Escape Dynamics. <i>Advances in Solid State Physics</i> , 2009, , 237-248.	0.8	1
630	A Langevin Equation Approach to Sine-Gordon Soliton Diffusion with Application to Nucleation Rates. <i>Springer Proceedings in Physics</i> , 1988, , 88-92.	0.1	1

#	ARTICLE	IF	CITATIONS
631	Note on the evaluation of the memory-kernel occurring in generalized master equations. Zeitschrift für Physik B Condensed Matter and Quanta, 1979, 34, 409-410.	1.9	0
632	Jung and Hanggi reply. Physical Review Letters, 1989, 63, 215-215.	2.9	0
633	Anomalous crossover behaviour for dissipative tunnelling. Physica B: Condensed Matter, 1990, 165-166, 957-958.	1.3	0
634	The electronic structure of La ₂ CuO ₄ . Journal of Physics and Chemistry of Solids, 1993, 54, 1123-1135.	1.9	0
635	Surmounting Fluctuating Barriers. , 1995, , 93-106.		0
636	Adiabatically rocked quantum ratchets. , 1997, , .		0
637	Comment on "Transient dynamics of Ohmic dissipative two-level systems driven by dc-ac fields" by Wang and Zhao. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 356-358.	0.9	0
638	Throwing ropes in the dark: the case of oscillating barriers. , 2003, , .		0
639	Ion channel gating based on Kramers theory. , 2003, 5110, 41.		0
640	Current and noise suppression in ac-driven coherent transport. AIP Conference Proceedings, 2005, , .	0.3	0
641	Noisy dynamics of magnetic flux in mesoscopic cylinders. Journal of Physics: Conference Series, 2006, 30, 321-324.	0.3	0
642	Spin conversion rates due to dipolar interactions in monoisotopic quantum dots at vanishing spin-orbit coupling. Physical Review B, 2006, 73, .	1.1	0
643	Forced synchronization of a quantum dissipative dynamics. AIP Conference Proceedings, 2007, , .	0.3	0
644	Biased Diffusion in Confined Media. AIP Conference Proceedings, 2007, , .	0.3	0
645	Frequency Windows of Absolute Negative Conductance in Josephson Junctions. AIP Conference Proceedings, 2007, , .	0.3	0
646	The Ring of Brownian Motion: the good, the bad and the simply silly. , 2009, , .		0
647	Absolute negative mobility of inertial Brownian particles induced by noise. , 2013, , .		0
648	Brownian motor efficiency enhanced by nonequilibrium noise. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
649	Forced coupled motion of the nanoparticle magnetic moment and the whole nanoparticle in a viscous fluid. , 2017, , .		0
650	Stochastic Resonance and Brownian Machinery: New Results " New Applications - New Goals. , 2000, , 133-134.		0
651	BROWNIAN MACHINERY IN PHYSICS AND BIOLOGY. , 2001, , .		0
652	BATH-INDEPENDENT TRANSITION PROBABILITIES IN THE DISSIPATIVE LANDAU-ZENER PROBLEM. , 2008, , .		0
653	BISTABILITY DRIVEN BY COLORED NOISE: THEORY AND EXPERIMENT. , 1986, , 121-124.		0
654	Coherent and Incoherent Dynamics in a Periodically Driven Bistable System. , 1995, , 39-55.		0
655	Control of Tunneling. , 1995, , 673-686.		0