Peter V E Mcclintock

List of Publications by Year
in descending order

249 papers	7,404 citations	46918 47 h-index	64668 79 g-index
275 all docs	275 docs citations	275 times ranked	3877 citing authors

#	Article	IF	Citations
1	COHERENCE BETWEEN FLUCTUATIONS IN BLOOD FLOW AND OXYGEN SATURATION. , 2022, , 345-356.		1
2	NONEQUILIBRIUM RATE THEORY FOR CONDUCTION IN OPEN ION CHANNELS. , 2022, , 255-264.		0
3	A NEW APPROACH TO THE TREATMENT OF SEPARATRIX CHAOS. , 2022, , 213-224.		0
4	ITÃ" VERSUS STRATONOVICH: 30 YEARS LATER. , 2022, , 9-18.		1
5	Multi-Scale Modelling of the Bound Metal Deposition Manufacturing of Ti6Al4V. Thermo, 2022, 2, 116-148.	0.6	2
6	Novel bursting oscillations in a nonlinear gyroscope oscillator. Physica Scripta, 2022, 97, 085211.	1.2	7
7	Acoustic vibrational resonance in a Rayleigh-Plesset bubble oscillator. Ultrasonics Sonochemistry, 2021, 70, 105346.	3.8	13
8	Parametric vibrational resonance in a gyroscope driven by dual-frequency forces. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 387, 127040.	0.9	17
9	Phase Coherence Between Cardiovascular Oscillations in Malaria: The Basis for a Possible Diagnostic Test. Understanding Complex Systems, 2021, , 401-419.	0.3	0
10	Vibrational and stochastic resonances in driven nonlinear systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200226.	1.6	18
11	Vibrational resonances in driven oscillators with position-dependent mass. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200227.	1.6	24
12	Application of a Statistical and Linear Response Theory to Multi-Ion Na+ Conduction in NaChBac. Entropy, 2021, 23, 249.	1.1	3
13	Vibrational and stochastic resonances in driven nonlinear systems: part 2. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20210003.	1.6	8
14	Introduction to the Physics of Ionic Conduction in Narrow Biological and Artificial Channels. Entropy, 2021, 23, 644.	1.1	1
15	Physics of Selective Conduction and Point Mutation in Biological Ion Channels. Physical Review Letters, 2021, 126, 218102.	2.9	3
16	Field-Dependent Dehydration and Optimal Ionic Escape Paths for C₂N Membranes. Journal of Physical Chemistry B, 2021, 125, 7044-7059.	1.2	3
17	Origin and control of ionic hydration patterns in nanopores. Communications Materials, 2021, 2, .	2.9	4
18	Quantum vibrational resonance in a dual-frequency-driven Tietz-Hua quantum well. Physical Review E, 2020, 101, 052216.	0.8	20

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19	Welding dynamics in an atomistic model of an amorphous polymer blend with polymerâ€“polymer interface. Journal of Polymer Science, 2020, 58, 2051-2061.	2.0	9
20	Ionic Coulomb blockade and the determinants of selectivity in the NaChBac bacterial sodium channel. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183301.	1.4	6
21	Raceâ€specific differences in the phase coherence between blood flow and oxygenation: A simultaneous NIRS, white light spectroscopy and LDF study. Journal of Biophotonics, 2020, 13, e201960131.	1.1	11
22	Diffusion phenomena in a mixed phase space. Chaos, 2020, 30, 013108.	1.0	2
23	Unsolved Problems of Noise Preface to the UPoN-2018 Special Issue of Fluctuation and Noise Letters. Fluctuation and Noise Letters, 2019, 18, 1902001.	1.0	0
24	Exploring the pore charge dependence of K⁺ and Cl^{â^'} permeation across a graphene monolayer: a molecular dynamics study. RSC Advances, 2019, 9, 20402-20414.	1.7	12
25	Coupling functions: dynamical interaction mechanisms in the physical, biological and social sciences. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190039.	1.6	17
26	Theory and Experiments on Multi-Ion Permeation and Selectivity in the NaChBac Ion Channel. Fluctuation and Noise Letters, 2019, 18, 1940007.	1.0	5
27	On the suitability of laser-Doppler flowmetry for capturing microvascular blood flow dynamics from darkly pigmented skin. Physiological Measurement, 2019, 40, 074005.	1.2	12
28	Mechanism of resonant enhancement of electron drift in nanometer semiconductor superlattices subjected to electric and inclined magnetic fields. Physical Review B, 2019, 100, .	1.1	4
29	Synchronization transitions caused by time-varying coupling functions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190275.	1.6	21
30	Experimental Realization of the Coupling Function Secure Communications Protocol and Analysis of Its Noise Robustness. IEEE Transactions on Information Forensics and Security, 2018, 13, 2591-2601.	4.5	7
31	The Role of Noise in Determining Selective Ionic Conduction Through Nano-Pores. , 2018, , .		4
32	Vibrational resonance in an oscillator with an asymmetrical deformable potential. Physical Review E, 2018, 98, .	0.8	36
33	A review of Handbook of Ion Channels, by Jie Zheng and Matthew C. Trudeau. Contemporary Physics, 2018, 59, 305-307.	0.8	0
34	Vibrational resonance in an inhomogeneous medium with periodic dissipation. Physical Review E, 2017, 96, 032209.	0.8	28
35	Relation between selectivity and conductivity in narrow ion channels. , 2017, , .		5
36	Calorimetric Observation of Single $$hbox {He}_2^*$$ Excimers in a 100-mK He Bath. Journal of Low Temperature Physics, 2017, 186, 183-196.	0.6	6

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37	Coherence and Coupling Functions Reveal Microvascular Impairment in Treated Hypertension. Frontiers in Physiology, 2017, 8, 749.	1.3	52
38	Neural Cross-Frequency Coupling Functions. Frontiers in Systems Neuroscience, 2017, 11, 33.	1.2	50
39	Noise robustness of communications provided by coupling-function-encryption and dynamical Bayesian inference. , 2017, , .		0
40	Kinetic model of selectivity and conductivity of the KcsA filter. , 2017, , .		0
41	Effect of local binding on stochastic transport in ion channels. , 2017, , .		3
42	Ionic Coulomb blockade and anomalous mole fraction effect in the NaChBac bacterial ion channel and its charge-varied mutants. EPJ Nonlinear Biomedical Physics, 2017, 5, 4.	0.8	6
43	Influence of the liquid helium meniscus on neutron reflectometry data. Low Temperature Physics, 2016, 42, 152-155.	0.2	1
44	Extraction of instantaneous frequencies from ridges in timeâ€“frequency representations of signals. Signal Processing, 2016, 125, 290-303.	2.1	127
45	Alterations in the coupling functions between cortical and cardio-respiratory oscillations due to anaesthesia with propofol and sevoflurane. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150186.	1.6	62
46	Putative resolution of the EEEE selectivity paradox in L-type Ca²⁺and bacterial Na⁺biological ion channels. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 054027.	0.9	5
47	Ionic Coulomb blockade. Nature Materials, 2016, 15, 825-826.	13.3	8
48	The origins of life on Earth. Contemporary Physics, 2016, 57, 93-95.	0.8	5
49	Dissipation of Quasiclassical Turbulence in Superfluid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2015, 115, 155303.	2.9	29
50	Nonlinear mode decomposition: A noise-robust, adaptive decomposition method. Physical Review E, 2015, 92, 032916.	0.8	94
51	Coulomb blockade oscillations in biological ion channels. , 2015, , .		4
52	The discriminatory value of cardiorespiratory interactions in distinguishing awake from anaesthetised states: a randomised observational study. Anaesthesia, 2015, 70, 1356-1368.	1.8	71
53	Coulomb blockade model of permeation and selectivity in biological ion channels. New Journal of Physics, 2015, 17, 083021.	1.2	44
54	Ageing of the couplings between cardiac, respiratory and myogenic activity in humans. , 2015, 2015, 7366-9.		10

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55	Maximum amplitude of limit cycles in LiÃ©nard systems. Physical Review E, 2015, 91, 012927.	0.8	2
56	Multi-switching combination synchronization of chaotic systems. Nonlinear Dynamics, 2015, 80, 845-854.	2.7	83
57	Coupling functions in networks of oscillators. New Journal of Physics, 2015, 17, 035002.	1.2	65
58	Regular Rather than Chaotic Origin of the Resonant Transport in Superlattices. Physical Review Letters, 2015, 114, 166802.	2.9	7
59	Hyperchaos and bifurcations in a driven Van der Polâ€“Duffing oscillator circuit. International Journal of Dynamics and Control, 2015, 3, 363-370.	1.5	12
60	A tutorial on time-evolving dynamical Bayesian inference. European Physical Journal: Special Topics, 2014, 223, 2685-2703.	1.2	35
61	Frequency-dependent drag from quantum turbulence produced by quartz tuning forks in superfluid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">He</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review B, 2014, 89, .	1.1	23
62	Cardiorespiratory coupling functions, synchronization and ageing. , 2014, , .		2
63	Plastic Properties of Solid 4He Probed by a Moving Wire: Viscoelastic and Stochastic Behavior Under High Stress. Journal of Low Temperature Physics, 2014, 175, 147-153.	0.6	4
64	Response of a Mechanical Oscillator in Solid 4He. Journal of Low Temperature Physics, 2014, 175, 140-146.	0.6	8
65	Wave turbulence in quantum fluids. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4727-4734.	3.3	28
66	A Quasiparticle Detector for Imaging Quantum Turbulence in Superfluid ^{3} 3 He-B. Journal of Low Temperature Physics, 2014, 175, 725-738.	0.6	11
67	Dynamical inference: Where phase synchronization and generalized synchronization meet. Physical Review E, 2014, 89, 062909.	0.8	20
68	Glassy states and super-relaxation in populations of coupled phase oscillators. Nature Communications, 2014, 5, 4118.	5.8	49
69	Nonlinear systems with fast and slow motions. Changes in the probability distribution for fast motions under the influence of slower ones. Physics Reports, 2013, 532, 1-26.	10.3	12
70	Resonant multi-ion conduction in a simple model of calcium channels. , 2013, , .		3
71	Stochastic dynamics of remote knock-on permeation in biological ion channels. , 2013, , .		3
72	Collective dynamics of a network of ratchets coupled via a stochastic dynamical environment. Physical Review E, 2013, 87, 022913.	0.8	7

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73	Noise-induced escape in an excitable system. Physical Review E, 2013, 87, .	0.8	49
74	Characterizing an ensemble of interacting oscillators: The mean-field variability index. Physical Review E, 2013, 87, 012905.	0.8	14
75	Tracers of Quantum Turbulence in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:math>in the<mml:math	2.9	52
76	Observation of Crossover from Ballistic to Diffusion Regime for Excimer Molecules in Superfluid 4He. Journal of Low Temperature Physics, 2013, 171, 207-213.	0.6	11
77	Dynamics of ions in the selectivity filter of the KcsA channel. European Physical Journal: Special Topics, 2013, 222, 2595-2605.	1.2	2
78	Evolution of cardiorespiratory interactions with age. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110622.	1.6	95
79	Energetics of discrete selectivity bands and mutation-induced transitions in the calcium-sodium ion channels family. Physical Review E, 2013, 88, 052712.	0.8	16
80	Multi-ion conduction bands in a simple model of calcium ion channels. Physical Biology, 2013, 10, 026007.	0.8	23
81	NONEQUILIBRIUM RATE THEORY FOR CONDUCTION IN OPEN ION CHANNELS. Fluctuation and Noise Letters, 2012, 11, 1240016.	1.0	7
82	Second-sound acoustic turbulence in superfluid helium: Decay of the direct and inverse energy cascades. Physical Review B, 2012, 86, .	1.1	3
83	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>4</mml:mn></mml:msup></mml:math>He in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math><mml:math	1.1	31
84	NONLINEAR SECOND SOUND WAVES IN SUPERFLUID HELIUM: INSTABILITIES, TURBULENCE AND ROGUE WAVES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250242.	0.7	0
85	COHERENCE BETWEEN FLUCTUATIONS IN BLOOD FLOW AND OXYGEN SATURATION. Fluctuation and Noise Letters, 2012, 11, 1240013.	1.0	65
86	A NEW APPROACH TO THE TREATMENT OF SEPARATRIX CHAOS. Fluctuation and Noise Letters, 2012, 11, 1240002.	1.0	7
87	THE KURAMOTO MODEL SUBJECT TO A FLUCTUATING ENVIRONMENT: APPLICATION TO BRAINWAVE DYNAMICS. Fluctuation and Noise Letters, 2012, 11, 1240011.	1.0	2
88	Neutron reflection from the surface of a liquid⁴He-³He mixture. Journal of Physics: Conference Series, 2012, 400, 012033.	0.3	3
89	Dynamical Bayesian inference of time-evolving interactions: From a pair of coupled oscillators to networks of oscillators. Physical Review E, 2012, 86, 061126.	0.8	50
90	The transition to turbulence in slowly diverging subsonic submerged jets. Physics of Fluids, 2012, 24, 035104.	1.6	0

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91	MULTIRESONANCE AND ENHANCED SYNCHRONIZATION IN STOCHASTICALLY COUPLED RATCHETS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250141.	0.7	4
92	What is life?. Contemporary Physics, 2012, 53, 433-435.	0.8	1
93	ITÃ" VERSUS STRATONOVICH: 30 YEARS LATER. Fluctuation and Noise Letters, 2012, 11, 1240010.	1.0	82
94	Testing for time-localized coherence in bivariate data. Physical Review E, 2012, 85, 046205.	0.8	75
95	Inference of Time-Evolving Coupled Dynamical Systems in the Presence of Noise. Physical Review Letters, 2012, 109, 024101.	2.9	131
96	Turbulent drag on a low-frequency vibrating grid in superfluid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>4</mml:mn></mml:msup></mml:math>He at very low temperatures. Physical Review B, 2012, 85, .	1.1	19
97	Oscillatory dynamics of vasoconstriction and vasodilation identified by time-localized phase coherence. Physics in Medicine and Biology, 2011, 56, 3583-3601.	1.6	120
98	Reproducibility of LDF blood flow measurements: Dynamical characterization versus averaging. Microvascular Research, 2011, 82, 274-276.	1.1	17
99	Detecting the harmonics of oscillations with time-variable frequencies. Physical Review E, 2011, 83, 016206.	0.8	30
100	Revolutions that made the Earth. Contemporary Physics, 2011, 52, 591-593.	0.8	0
101	Rogue waves â€" towards a unifying concept?: Discussions and debates. European Physical Journal: Special Topics, 2010, 185, 5-15.	1.2	100
102	Rogue waves in superfluid helium. European Physical Journal: Special Topics, 2010, 185, 181-193.	1.2	95
103	Nonlinear dynamics of cardiovascular ageing. Physics Reports, 2010, 488, 51-110.	10.3	315
104	Direct Measurement of the Critical Velocity AboveÂWhichÂaÂTuning Fork Generates Turbulence inÂSuperfluid Helium. Journal of Low Temperature Physics, 2010, 158, 456-461.	0.6	16
105	Experiments on a High Quality Grid Oscillating inÂSuperfluid 4He at Very Low Temperatures. Journal of Low Temperature Physics, 2010, 158, 462-467.	0.6	17
106	Controlling current reversals in synchronized underdamped ratchets. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 165101.	0.7	7
107	Inferential framework for non-stationary dynamics: theory and applications. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01025.	0.9	5
108	Physics of brain dynamics: Fokkerâ€"Planck analysis reveals changes in EEG Î´â€"Î¸ interactions in anÃ¦sthesia. New Journal of Physics, 2009, 11, 103051.	1.2	20

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109	Charge Fluctuations and Boundary Conditions of Biological Ion Channels: Effect on the Ionic Transition Rate. , 2009, , .		0
110	Applications of dynamical inference to the analysis of noisy biological time series with hidden dynamical variables. , 2009, , .		0
111	â€˜The Josephson effectsâ€™ (1969) by B.W. Petley. Contemporary Physics, 2009, 50, 69-69.	0.8	1
112	Acoustic Turbulence in Superfluid 4He. Journal of Low Temperature Physics, 2009, 156, 95-115.	0.6	11
113	Transition to Turbulence for a Quartz Tuning Fork inÂSuperfluid 4He. Journal of Low Temperature Physics, 2009, 156, 116-131.	0.6	59
114	Neutron reflection from the surfaces of liquid⁴He and a Dilute³Heâ€”⁴He solution. Journal of Physics: Conference Series, 2009, 150, 032022.	0.3	2
115	Charge fluctuations and their effect on conduction in biological ion channels. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01010.	0.9	7
116	Turbulence of Second Sound Waves in Superfluid 4He: Effect of Low-Frequency Resonant Perturbations. Journal of Low Temperature Physics, 2008, 150, 394-401.	0.6	4
117	The effect of low-frequency oscillations on cardio-respiratory synchronization. European Physical Journal B, 2008, 65, 425-433.	0.6	37
118	Dynamical inference of hidden biological populations. European Physical Journal B, 2008, 65, 369-377.	0.6	3
119	Inferential framework for nonstationary dynamics. II. Application to a model of physiological signaling. Physical Review E, 2008, 77, 061106.	0.8	22
120	Low-frequency blood flow oscillations in congestive heart failure and after Î²1-blockade treatment. Microvascular Research, 2008, 76, 224-232.	1.1	95
121	Theory of stochastic resonance for small signals in weakly damped bistable oscillators. Physical Review E, 2008, 77, 011111.	0.8	15
122	Observation of an Inverse Energy Cascade in Developed Acoustic Turbulence in Superfluid Helium. Physical Review Letters, 2008, 101, 065303.	2.9	336
123	FLUCTUATIONAL ESCAPE FROM CHAOTIC ATTRACTORS IN MULTISTABLE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1727-1739.	0.7	9
124	Statistical properties of strongly nonlinear waves within a resonator. Physical Review E, 2008, 78, 066611.	0.8	7
125	Direction of Coupling from Phases of Interacting Oscillators: A Permutation Information Approach. Physical Review Letters, 2008, 100, 084101.	2.9	100
126	High-order synchronization, transitions, and competition among Arnold tongues in a rotator under harmonic forcing. Physical Review E, 2008, 77, 056203.	0.8	10

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127	Ion channels as electrostatic amplifiers of charge fluctuations. Journal of Physics: Conference Series, 2008, 142, 012049.	0.3	7
128	Neutron reflection from a liquid helium surface. Low Temperature Physics, 2008, 34, 316-319.	0.2	6
129	Wave Turbulence in Superfluid [sup 4]He: Energy Cascades & Rogue Waves in the Laboratory. , 2008, , .		1
130	Observation of acoustic turbulence in a system of nonlinear second sound waves in superfluid He4. Low Temperature Physics, 2008, 34, 288-292.	0.2	3
131	Effect of charge fluctuations on the permeation of ions through biological ion channels. AIP Conference Proceedings, 2007, , .	0.3	1
132	Synchronization of stochastic bistable systems by biperiodic signals. Physical Review E, 2007, 76, 031122.	0.8	15
133	Interactions between cardiac, respiratory and EEG-Î´ oscillations in rats during anaesthesia. Journal of Physiology, 2007, 580, 315-326.	1.3	105
134	Nonlinear Second Sound Waves and Acoustic Turbulence in Superfluid 4He. Journal of Low Temperature Physics, 2007, 148, 251-255.	0.6	3
135	Quantum Turbulence at Very Low Temperatures: Status and Prospects. AIP Conference Proceedings, 2006, , .	0.3	0
136	Decay of Capillary Turbulence on the Surface of a Semiquantum Liquid. AIP Conference Proceedings, 2006, , .	0.3	0
137	Vibrating Grid as a Tool for Studying the Flow of Pure He II and its Transition to Turbulence. AIP Conference Proceedings, 2006, , .	0.3	1
138	Quantum Turbulence in 4He, Oscillating Grids, and Where Do We Go Next?. Journal of Low Temperature Physics, 2006, 145, 107-124.	0.6	6
139	Experimental Study of the Nonlinear Second Sound Wave Interaction in Superfluid 4He. Journal of Low Temperature Physics, 2006, 145, 155-164.	0.6	10
140	Nonstationary Nonlinear Phenomena on the Charged Surface of Liquid Hydrogen. Journal of Low Temperature Physics, 2006, 145, 311-335.	0.6	5
141	Changes in the Effective Parameters of Averaged Motion in Nonlinear Systems Subject to Noise. Journal of Statistical Physics, 2006, 125, 593-620.	0.5	9
142	Formation of a Direct Kolmogorov-Like Cascade of Second-Sound Waves in He II. Physical Review Letters, 2006, 97, 155301.	2.9	20
143	Decay of the Turbulent Cascade of Capillary Waves on the Charged Surface of Liquid Hyrdrogen. Journal of Low Temperature Physics, 2005, 138, 519-524.	0.6	1
144	Questions Related to the Oscillatory Flow of He II through a Grid at Low Temperatures. Journal of Low Temperature Physics, 2005, 138, 543-548.	0.6	1

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145	Formation and Decay of Capillary Turbulence on the Charged Surface of Liquid Hydrogen. Journal of Low Temperature Physics, 2005, 139, 523-530.	0.6	4
146	Brownian dynamics simulations of ionic current through an open channel. AIP Conference Proceedings, 2005, , .	0.3	3
147	Stochastic Dynamics of AnÃ¦sthesia. AIP Conference Proceedings, 2005, , .	0.3	0
148	Inference of a Nonlinear Stochastic Model of the Cardiorespiratory Interaction. Physical Review Letters, 2005, 94, 098101.	2.9	79
149	INFERENCE OF SYSTEMS WITH DELAY AND APPLICATIONS TO CARDIOVASCULAR DYNAMICS. Stochastics and Dynamics, 2005, 05, 321-331.	0.6	3
150	DYNAMICS IMPORTANCE SAMPLING FOR THE COLLECTION OF SWITCHING EVENTS IN VERTICAL-CAVITY SURFACE-EMITTING LASERS. Fluctuation and Noise Letters, 2004, 04, L635-L641.	1.0	0
151	Role of Transdermal Potential Difference During Iontophoretic Drug Delivery. IEEE Transactions on Biomedical Engineering, 2004, 51, 1683-1685.	2.5	6
152	Development of turbulence in subsonic submerged jets. Physics Reports, 2004, 397, 1-62.	10.3	19
153	Wavelet analysis of blood flow dynamics: effect on the individual oscillatory components of iontophoresis with pharmacologically neutral electrolytes. Physics in Medicine and Biology, 2004, 49, N111-N117.	1.6	14
154	Ionic current through an open channel: a low-dimensional model of coupling with vibrations of the wall. , 2004, , .		2
155	Delayed thermal relaxation of superfluid at mK temperatures. Physica B: Condensed Matter, 2003, 329-333, 218-219.	1.3	0
156	Zero-dispersion phenomena in oscillatory systems. Physics Reports, 2003, 373, 247-408.	10.3	55
157	Time-phase bispectral analysis. Physical Review E, 2003, 68, 016201.	0.8	36
158	Comment on â€œSignal-to-noise ratio gain in neuronal systemsâ€• Physical Review E, 2003, 67, 043901.	0.8	7
159	MID-INFRARED LASING INDUCED BY NOISE. Fluctuation and Noise Letters, 2003, 03, L91-L95.	1.0	12
160	COHERENCE RESONANCE OF THE NOISE-INDUCED MOTION ON THE WAY TO BREAKDOWN OF SYNCHRONIZATION IN CHAOTIC SYSTEMS. Fluctuation and Noise Letters, 2003, 03, L113-L120.	1.0	6
161	INTERACTIONS AND SYNCHRONIZATION IN THE CARDIOVASCULAR SYSTEM. Fluctuation and Noise Letters, 2003, 03, L167-L176.	1.0	2
162	Singularities in Far-from-Equilibrium Distributions at Finite Noise Intensities. AIP Conference Proceedings, 2003, , .	0.3	0

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163	Stochastic nonlinear dynamics of the cardiovascular system. WIT Transactions on Biomedicine and Health, 2003, , .	0.0	0
164	Noise and determinism in cardiovascular dynamics. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 69-76.	1.2	23
165	Phase Synchronization between Several Interacting Processes from Univariate Data. Physical Review Letters, 2001, 86, 1749-1752.	2.9	42
166	NOISE-INDUCED ESCAPE FROM THE LORENZ ATTRACTOR. Fluctuation and Noise Letters, 2001, 01, L27-L33.	1.0	8
167	The Kramers problem: Beyond quasi-stationarity. AIP Conference Proceedings, 2000, , .	0.3	0
168	A phase transition in a system driven by coloured noise. AIP Conference Proceedings, 2000, , .	0.3	0
169	Decay of quantized vorticity in superfluid 4He at mK temperatures. Physica B: Condensed Matter, 2000, 280, 43-44.	1.3	99
170	The effect of noise on strange nonchaotic attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 315-322.	0.9	16
171	Resonant rectification of fluctuations in a Brownian ratchet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 273, 316-321.	0.9	29
172	Does the Kibble Mechanism Operate in Liquid 4He?. Journal of Low Temperature Physics, 2000, 119, 249-256.	0.6	8
173	Reversible Transitions between Synchronization States of the Cardiorespiratory System. Physical Review Letters, 2000, 85, 4831-4834.	2.9	160
174	Characteristic frequencies of the human blood distribution system. AIP Conference Proceedings, 2000, , .	0.3	9
175	Noise induced escape from different types of chaotic attractor. AIP Conference Proceedings, 2000, , .	0.3	0
176	The Role of noise in forming the dynamics of a quasiperiodic system. AIP Conference Proceedings, 2000, , .	0.3	0
177	Experimental studies of the non-adiabatic escape problem. AIP Conference Proceedings, 2000, , .	0.3	2
178	Activated escape of driven systems. AIP Conference Proceedings, 2000, , .	0.3	0
179	Resonances while surmounting a fluctuating barrier. Physical Review E, 2000, 61, 1170-1175.	0.8	34
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181	Symmetry Breaking of Fluctuation Dynamics by Noise Color. Physical Review Letters, 2000, 84, 5470-5473.	2.9	14
182	Fluctuations and the Energy-Optimal Control of Chaos. Physical Review Letters, 2000, 85, 2100-2103.	2.9	38
183	Vibrational resonance. Journal of Physics A, 2000, 33, L433-L438.	1.6	354
184	Kramers Problem for a Multiwell Potential. Physical Review Letters, 2000, 84, 2556-2559.	2.9	35
185	Thermally activated escape of driven systems: the activation energy. Journal of Physics A, 1999, 32, L321-L327.	1.6	13
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