

List of Publications by Year in descending order

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278
papers

10,520
citations

44444

50
h-index

54771

88
g-index

294
all docs

294
docs citations

294
times ranked

5481
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence and anti-persistence in treadmill walking. <i>Gait and Posture</i> , 2022, 92, 36-43.	0.6	1
2	The Fractal Tapestry of Life: II Entailment of Fractional Oncology by Physiology Networks. <i>Frontiers in Network Physiology</i> , 2022, 2, .	0.8	3
3	The Fractal Tapestry of Life: III Multifractals Entail the Fractional Calculus. <i>Fractal and Fractional</i> , 2022, 6, 225.	1.6	2
4	RenoRmalization Group and Fractional Calculus Methods in a Complex World: A Review. <i>Fractional Calculus and Applied Analysis</i> , 2021, 24, 5-53.	1.2	9
5	Why Do Big Data and Machine Learning Entail the Fractional Dynamics?. <i>Entropy</i> , 2021, 23, 297.	1.1	20
6	Caputo Fractional Derivative and Quantum-Like Coherence. <i>Entropy</i> , 2021, 23, 211.	1.1	3
7	Hypothetical Control of Fatal Quarrel Variability. <i>Entropy</i> , 2021, 23, 1693.	1.1	0
8	Complex Periodicity and Synchronization. <i>Frontiers in Physiology</i> , 2020, 11, 563068.	1.3	4
9	Selfish algorithm and emergence of collective intelligence. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	6
10	Sir Isaac Newton Stranger in a Strange Land. <i>Entropy</i> , 2020, 22, 1204.	1.1	11
11	On the dynamical foundation of multifractality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124038.	1.2	7
12	Diffusion Entropy vs. Multiscale and Rényi Entropy to Detect Progression of Autonomic Neuropathy. <i>Frontiers in Physiology</i> , 2020, 11, 607324.	1.3	16
13	Significance of trends in gait dynamics. <i>PLoS Computational Biology</i> , 2020, 16, e1007180.	1.5	5
14	Synchronization and anti-synchroniztion of dynamically coupled networks. <i>New Journal of Physics</i> , 2019, 21, 033043.	1.2	1
15	Hypothetical Control of Heart Rate Variability. <i>Frontiers in Physiology</i> , 2019, 10, 1078.	1.3	9
16	Fail Small, Fail Often: An Outsider's View of Physiologic Complexity. , 2019, , 45-56.		0
17	Entropic Approach to the Detection of Crucial Events. <i>Entropy</i> , 2019, 21, 178.	1.1	18
18	Complexity measures of music. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 82-86.	2.5	14

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19	Fractional Dynamics of Individuals in Complex Networks. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	14
20	Bridging Waves and Crucial Events in the Dynamics of the Brain. <i>Frontiers in Physiology</i> , 2018, 9, 1174.	1.3	14
21	Constructing a critical phase in a population of interacting two-state stochastic units. <i>Chaos, Solitons and Fractals</i> , 2018, 113, 40-45.	2.5	0
22	Self-Organized Temporal Criticality: Bottom-Up Resilience versus Top-Down Vulnerability. <i>Complexity</i> , 2018, 2018, 1-10.	0.9	12
23	Meditation-Induced Coherence and Crucial Events. <i>Frontiers in Physiology</i> , 2018, 9, 626.	1.3	10
24	A search for a spectral technique to solve nonlinear fractional differential equations. <i>Chaos, Solitons and Fractals</i> , 2017, 102, 387-395.	2.5	9
25	Crucial events, randomness, and multifractality in heartbeats. <i>Physical Review E</i> , 2017, 96, 062216.	0.8	24
26	Self-organizing Complex Networks: individual versus global rules. <i>Frontiers in Physiology</i> , 2017, 8, 478.	1.3	45
27	The fractional landau model. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016, 3, 257-260.	8.5	2
28	Spectral decomposition of nonlinear systems with memory. <i>Physical Review E</i> , 2016, 93, 022211.	0.8	30
29	Nonergodic complexity management. <i>Physical Review E</i> , 2016, 93, 062301.	0.8	10
30	Extreme Variability is Typical Not Normal. , 2016, , 79-89.		0
31	The value of conflict in stable social networks. <i>Europhysics Letters</i> , 2015, 111, 58003.	0.7	3
32	From Neural and Social Cooperation to the Global Emergence of Cognition. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 78.	2.0	13
33	Diffusion in heterogeneous media: An iterative scheme for finding approximate solutions to fractional differential equations with time-dependent coefficients. <i>Journal of Computational Physics</i> , 2015, 293, 297-311.	1.9	16
34	Exact solution to fractional logistic equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 429, 103-108.	1.2	53
35	A Fractional Probability Calculus View of Allometry. <i>Systems</i> , 2014, 2, 89-118.	1.2	5
36	A mathematics for medicine: The Network Effect. <i>Frontiers in Physiology</i> , 2014, 5, 456.	1.3	19

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37	Networks of Echoes. , 2014, , .		27
38	<i>Colloquium</i>: Fractional calculus view of complexity: A tutorial. Reviews of Modern Physics, 2014, 86, 1169-1186.	16.4	117
39	Criticality and Crowds. , 2014, , 113-168.		0
40	A Model of Decision Making. , 2014, , 65-112.		0
41	Complexity Primer. , 2014, , 27-64.		0
42	Networking Perspective. , 2014, , 1-25.		0
43	Critical Networks. , 2014, , 199-215.		0
44	Networks of Influence. , 2014, , 169-198.		3
45	Renewal and memory origin of anomalous diffusion: A discussion of their joint action. Physical Review E, 2013, 88, 062106.	0.8	13
46	Time to consensus. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2302-2310.	1.2	5
47	Physiologic time: A hypothesis. Physics of Life Reviews, 2013, 10, 210-224.	1.5	43
48	Role of committed minorities in times of crisis. Scientific Reports, 2013, 3, 1371.	1.6	29
49	Fractals in Physiology and Medicine. , 2013, , 171-192.		109
50	Mathematical Principles: Tales of Tails. , 2013, , 63-80.		5
51	Networking of psychophysics, psychology, and neurophysiology. Frontiers in Physiology, 2012, 3, 423.	1.3	2
52	From Self-Organized to Extended Criticality. Frontiers in Physiology, 2012, 3, 98.	1.3	28
53	ON ALLOMETRY RELATIONS. International Journal of Modern Physics B, 2012, 26, 1230010.	1.0	23
54	Cooperation-Induced Topological Complexity: A Promising Road to Fault Tolerance and Hebbian Learning. Frontiers in Physiology, 2012, 3, 52.	1.3	21

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55	A new measure of network efficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1894-1899.	1.2	6
56	Overview 2010 of ARL Program on Network Science for Human Decision Making. <i>Frontiers in Physiology</i> , 2011, 2, 76.	1.3	2
57	Are allometry and macroevolution related?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1733-1736.	1.2	6
58	Transmission of information between complex systems: $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ resonance. <i>Physical Review E</i> , 2011, 83, 051130.	0.8	57
59	Temporal complexity of the order parameter at the phase transition. <i>Physical Review E</i> , 2011, 83, 061142.	0.8	50
60	Can intermittent long-range jumps of a random walker compensate for lethargy?. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 152003.	0.7	3
61	NETWORKS AND $1/f$ NOISE. <i>Fluctuation and Noise Letters</i> , 2011, 10, 515-531.	1.0	1
62	Flash Crashes, Bursts, and Black Swans. <i>Journal of Nursing Administration</i> , 2010, 40, 456-459.	0.7	10
63	The dynamics of EEG entropy. <i>Journal of Biological Physics</i> , 2010, 36, 185-196.	0.7	36
64	Homeostasis and Gauss statistics: barriers to understanding natural variability. <i>Journal of Evaluation in Clinical Practice</i> , 2010, 16, 403-408.	0.9	27
65	Fractal physiology and the fractional calculus: a perspective. <i>Frontiers in Physiology</i> , 2010, 1, 12.	1.3	159
66	Publisher's Note: Beyond the Death of Linear Response: $1/f$ Optimal Information Transport [Phys. Rev. Lett. 105, 040601 (2010)]. <i>Physical Review Letters</i> , 2010, 105, .	2.9	6
67	Comment on "Testing Hypotheses about Sun-Climate Complexity Linking". <i>Physical Review Letters</i> , 2010, 105, 219801; author reply 219802.	2.9	10
68	Beyond the Death of Linear Response: $1/f$ Optimal Information Transport. <i>Physical Review Letters</i> , 2010, 105, 040601.	2.9	51
69	The Living Matter Way to exchange information. <i>Medical Hypotheses</i> , 2010, 75, 475-478.	0.8	12
70	Complexity and synchronization. <i>Physical Review E</i> , 2009, 80, 021110.	0.8	62
71	Understanding the complexity of human gait dynamics. <i>Chaos</i> , 2009, 19, 026108.	1.0	96
72	Spontaneous brain activity as a source of ideal $1/f$ noise. <i>Physical Review E</i> , 2009, 80, 061914.	0.8	100

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73	A theory of noise in human cognition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4192-4204.	1.2	72
74	Control from an Allometric Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2009, 629, 57-82.	0.8	11
75	Maximizing information exchange between complex networks. <i>Physics Reports</i> , 2008, 468, 1-99.	10.3	211
76	Physiological noise versus white noise to drive a variable ventilator in a porcine model of lung injury. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 577-586.	0.7	11
77	Is climate sensitive to solar variability?. <i>Physics Today</i> , 2008, 61, 50-51.	0.3	68
78	Fluctuation-Dissipation Theorem for Event-Dominated Processes. <i>Physical Review Letters</i> , 2007, 99, 010603.	2.9	50
79	Probability distributions in conservative energy exchange models of multiple interacting agents. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065138.	0.7	10
80	Fractal response of physiological signals to stress conditions, environmental changes, and neurodegenerative diseases. <i>Complexity</i> , 2007, 12, 12-17.	0.9	42
81	In search of a theory of complexity: An overview on the Denton workshop. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 3-10.	2.5	3
82	Blinking mechanism of colloidal semiconductor quantum dots: Blinking mechanisms. <i>Journal of Computational Electronics</i> , 2007, 6, 301-304.	1.3	3
83	Correlation regimes in fluctuations of fatigue crack growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 359, 1-23.	1.2	6
84	Thoughts on modeling complexity. <i>Complexity</i> , 2006, 11, 33-43.	0.9	11
85	Fractal Physiology, Complexity, and the Fractional Calculus. <i>Advances in Chemical Physics</i> , 2006, , 1-92.	0.3	8
86	Wavelet analysis of scaling properties of gastric electrical activity. <i>Journal of Applied Physiology</i> , 2006, 101, 1425-1431.	1.2	8
87	Mechanism for Blinking of Colloidal Semiconductor Quantum Dots in Electrolytic Suspensions. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2006, 1, 99-103.	0.1	2
88	Non-Poisson processes: regression to equilibrium versus equilibrium correlation functions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 347, 268-288.	1.2	3
89	Multiscaling comparative analysis of time series and geophysical phenomena. <i>Complexity</i> , 2005, 10, 51-56.	0.9	25
90	Fractional Langevin model of gait variability. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2005, 2, 24.	2.4	33

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91	Phase dynamics in cerebral autoregulation. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2272-H2279.	1.5	89
92	The independently fractal nature of respiration and heart rate during exercise under normobaric and hyperbaric conditions. Respiratory Physiology and Neurobiology, 2005, 145, 219-233.	0.7	29
93	Correlation function and generalized master equation of arbitrary age. Physical Review E, 2005, 71, 066109.	0.8	42
94	A Multifractal Dynamical Model of Human Gait. , 2005, , 131-140.		8
95	Agıng and rejuvenation with fractional derivatives. Physical Review E, 2004, 70, 036105.	0.8	23
96	Non-Poisson dichotomous noise: Higher-order correlation functions and aging. Physical Review E, 2004, 70, 046118.	0.8	19
97	Solar turbulence in earth's global and regional temperature anomalies. Physical Review E, 2004, 69, 026303.	0.8	34
98	COMPLEXITY, MULTIREOLUTION, NON-STATIONARITY AND ENTROPIC SCALING: TEEN BIRTH THERMODYNAMICS. Journal of Mathematical Sociology, 2004, 28, 229-259.	0.6	2
99	Multiscaling Comparative Analysis of Time Series and a Discussion on "Earthquake Conversations" in California. Physical Review Letters, 2004, 92, 138501.	2.9	66
100	An out-of-equilibrium model of the distributions of wealth. Quantitative Finance, 2004, 4, 353-364.	0.9	46
101	From knowledge, knowability and the search for objective randomness to a new vision of complexity. Chaos, Solitons and Fractals, 2004, 20, 11-32.	2.5	17
102	Comments on the renormalization group, scaling and measures of complexity. Chaos, Solitons and Fractals, 2004, 20, 33-44.	2.5	25
103	Fractal rigidity in migraine. Chaos, Solitons and Fractals, 2004, 20, 165-170.	2.5	13
104	A trade-investment model for distribution of wealth. Physica D: Nonlinear Phenomena, 2004, 193, 338-352.	1.3	40
105	EVIDENCE OF "ESSENTIAL UNCERTAINTY" IN EMERGENCY-WARD LENGTH OF STAY. Fractals, 2004, 12, 197-209.	1.8	5
106	Influence of Progressive Central Hypovolemia on Hölder Exponent Distributions of Cardiac Interbeat Intervals. Annals of Biomedical Engineering, 2004, 32, 1077-1087.	1.3	16
107	Multifractality of cerebral blood flow. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 453-460.	1.2	40
108	Fractional Rheology. Institute for Nonlinear Science, 2003, , 235-270.	0.2	4

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109	Nonlinear dynamical model of human gait. Physical Review E, 2003, 67, 051917.	0.8	151
110	Solar Flare Intermittency and the Earth's Temperature Anomalies. Physical Review Letters, 2003, 90, 248701.	2.9	65
111	Physics of Fractal Operators. Institute for Nonlinear Science, 2003, , .	0.2	469
112	Nondifferentiable Processes. Institute for Nonlinear Science, 2003, , 1-35.	0.2	1
113	Fractional Randomness. Institute for Nonlinear Science, 2003, , 185-234.	0.2	1
114	Fractional Fourier Transforms. Institute for Nonlinear Science, 2003, , 121-156.	0.2	2
115	The Ant in the Gurge Metaphor. Institute for Nonlinear Science, 2003, , 305-331.	0.2	0
116	Fractional Stochastics. Institute for Nonlinear Science, 2003, , 271-303.	0.2	0
117	Failure of Traditional Models. Institute for Nonlinear Science, 2003, , 37-75.	0.2	0
118	Fractional Langevin model of memory in financial time series. Physical Review E, 2002, 65, 037106.	0.8	52
119	Fractional Langevin model of memory in financial markets. Physical Review E, 2002, 66, 046118.	0.8	106
120	Fractional Calculus and Memory in Biophysical Time Series. , 2002, , 221-234.		2
121	The most vulnerable, the least successful and other such extremes. Chemical Physics, 2002, 284, 45-57.	0.9	6
122	Fractal Probability Measures of Learning. Methods, 2001, 24, 395-402.	1.9	2
123	An ant in a gurge. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 278, 255-259.	0.9	20
124	Canonical and noncanonical equilibrium distribution. Physical Review E, 2001, 64, 011107.	0.8	12
125	Non-normal Statistics of DNA Sequences of Prokaryotes. Journal of Biological Physics, 2000, 26, 17-25.	0.7	1
126	Random stride intervals with memory. Journal of Biological Physics, 2000, 26, 185-202.	0.7	39

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127	Quantum Lévy Propagators. Journal of Physical Chemistry B, 2000, 104, 3830-3832.	1.2	32
128	FRACTAL SCALING OF THE TEEN BIRTH PHENOMENON. Fractals, 1999, 07, 113-122.	1.8	5
129	Allometric Control, Inverse Power Laws and Human Gait. Chaos, Solitons and Fractals, 1999, 10, 1519-1527.	2.5	69
130	Fractional-difference stochastic model of evolutionary substitutions in DNA sequences. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 188-196.	0.9	6
131	Fractional calculus and the evolution of fractal phenomena. Physica A: Statistical Mechanics and Its Applications, 1999, 265, 535-546.	1.2	113
132	Molecular Evolution Modeled as a Fractal Renewal Point Process in Agreement with the Dispersion of Substitutions in Mammalian Genes. Journal of Molecular Evolution, 1998, 47, 551-556.	0.8	12
133	Molecular evolution modeled as a fractal statistical process. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 544-552.	1.2	10
134	Allometric Control of Human Gait. Fractals, 1998, 06, 101-108.	1.8	64
135	Fractional Brownian motion as a nonstationary process: An alternative paradigm for DNA sequences. Physical Review E, 1998, 57, 4558-4567.	0.8	35
136	Non-Gaussian statistics of anomalous diffusion: The DNA sequences of prokaryotes. Physical Review E, 1998, 58, 3640-3648.	0.8	19
137	Multiplicative and Fractal Process in DNA Evolution. Fractals, 1998, 06, 211-217.	1.8	10
138	Comment on "Quantum suppression of chaos in the spin-boson model". Physical Review E, 1997, 56, 2325-2328.	0.8	0
139	Latka and West Reply:. Physical Review Letters, 1997, 78, 1196-1196.	2.9	3
140	Chaotic properties of internal wave triad interactions. Physics of Fluids, 1997, 9, 632-647.	1.6	14
141	Fractional diffusion and Lévy stable processes. Physical Review E, 1997, 55, 99-106.	0.8	166
142	A dynamical approach to anomalous conductivity. Journal of Statistical Physics, 1996, 84, 1043-1066.	0.5	1
143	Lévy statistics of water wave forces. Physica A: Statistical Mechanics and Its Applications, 1996, 230, 359-363.	1.2	6
144	A dynamical approach to DNA sequences. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 211, 217-222.	0.9	21

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145	Site correlation, anomalous diffusion, and enhancement of the localization length. Physical Review B, 1996, 54, 11899-11902.	1.1	4
146	Dynamical approach to Lévy processes. Physical Review E, 1996, 54, 4760-4767.	0.8	70
147	EXTREMA OF FRACTAL RANDOM WATER WAVES. International Journal of Modern Physics B, 1996, 10, 67-132.	1.0	7
148	Fractal statistics in biology. Physica D: Nonlinear Phenomena, 1995, 86, 12-18.	1.3	9
149	Influence of the environment on anomalous diffusion. Physical Review E, 1995, 51, 212-219.	0.8	34
150	Structure of the stochastic layer of a perturbed resonant triad. Physical Review E, 1995, 52, 3252-3255.	0.8	5
151	From dynamics to thermodynamics: Linear response and statistical mechanics. Physical Review E, 1995, 51, 3002-3022.	0.8	53
152	Nature of Quantum Localization in Atomic Momentum Transfer Experiments. Physical Review Letters, 1995, 75, 4202-4205.	2.9	15
153	Anomalous diffusion and the correspondence principle. Physical Review E, 1995, 51, 5524-5534.	0.8	23
154	A DYNAMICAL APPROACH TO FRACTIONAL BROWNIAN MOTION. Fractals, 1994, 02, 81-94.	1.8	32
155	Chaos and linear response: Analysis of the short-, intermediate-, and long-time regime. Physical Review E, 1994, 50, 2630-2638.	0.8	22
156	Chaos and avoided level crossings. Physical Review E, 1994, 50, 596-599.	0.8	14
157	Control of dynamical tunneling in a bichromatically driven pendulum. Physical Review E, 1994, 50, R3299-R3302.	0.8	8
158	Fractal physiology for physicists: Lévy statistics. Physics Reports, 1994, 246, 1-100.	10.3	247
159	Classical resonance in the quantum dynamics of the driven surface state electron model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 145-153.	0.9	1
160	Probing microscopic chaotic dynamics by observing macroscopic transport processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 190, 447-454.	0.9	8
161	Chaos, Noise and Biological Data. , 1994, , 38-54.		0
162	Chaos-induced avoided level crossing and tunneling. Physical Review A, 1994, 50, 1071-1081.	1.0	37

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163	Dynamical approach to anomalous diffusion: Response of Lévy processes to a perturbation. Physical Review E, 1994, 50, 2564-2579.	0.8	60
164	Tunneling versus Chaos in the Kicked Harper Model. Physical Review Letters, 1994, 73, 802-805.	2.9	51
165	Fractal Physiology. , 1994, , .		515
166	Nondiffusive spreading of wave packets in the surface state electron model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 175, 104-112.	0.9	3
167	Brownian motion generated by a two-dimensional mapping. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 174, 377-383.	0.9	14
168	CHAOS, NOISE AND COMPLEX FRACTAL DIMENSIONS. Fractals, 1993, 01, 21-28.	1.8	4
169	Standard fluctuation-dissipation process from a deterministic mapping. Physical Review E, 1993, 47, 1510-1519.	0.8	15
170	Classical-quantum correspondence in the driven surface-state-electron model. Physical Review A, 1993, 47, 4649-4662.	1.0	15
171	Deterministic Brownian motion. Physical Review A, 1992, 45, 1249-1252.	1.0	18
172	Semiclassical chaos, the uncertainty principle, and quantum dissipation. Physical Review A, 1992, 45, 8490-8500.	1.0	31
173	Chaos and Order in the Human Body. Chance, 1992, 5, 47-55.	0.1	2
174	Chaos and quantum irreversibility. Journal of Statistical Physics, 1992, 68, 321-343.	0.5	3
175	Geophysical attractors may be only colored noise. Journal of Applied Physics, 1991, 69, 6747-6749.	1.1	7
176	Complex fractal dimension of the bronchial tree. Physical Review Letters, 1991, 67, 2106-2108.	2.9	107
177	A model of turbulent mixing in the A+B \rightarrow 0 reaction. Journal of Statistical Physics, 1991, 65, 1247-1260.	0.5	4
178	Quantum irreversibility and chaos. Physical Review Letters, 1991, 67, 2593-2596.	2.9	48
179	Complex Fractal Dimension of the Bronchial Tree. Physical Review Letters, 1991, 67, 3200-3200.	2.9	2
180	Science in Pictures: Chaos and Fractals in Human Physiology. Scientific American, 1990, 262, 42-49.	1.0	625

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181	Physiology in fractal dimensions: Error tolerance. <i>Annals of Biomedical Engineering</i> , 1990, 18, 135-149.	1.3	113
182	Diffusion-limited $A+B \rightarrow O$ reaction: Correlated initial condition. <i>Physical Review A</i> , 1990, 42, 890-894.	1.0	46
183	FRactal forms in physiology. <i>International Journal of Modern Physics B</i> , 1990, 04, 1629-1669.	1.0	39
184	Sensing scaled scintillations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1990, 7, 1074.	0.8	45
185	ON THE UBIQUITY OF $1/f$ NOISE. <i>International Journal of Modern Physics B</i> , 1989, 03, 795-819.	1.0	145
186	Dye-laser equation with saturation and its best Fokker-Planck equation. <i>Physical Review A</i> , 1989, 39, 4026-4035.	1.0	26
187	On the "best Fokker-Planck equation" for systems driven by colored noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 136, 96-102.	0.9	11
188	Pattern formation in diffusion-limited reactions. <i>Journal of Statistical Physics</i> , 1989, 54, 1429-1439.	0.5	44
189	New perspectives on energy transport in molecular aggregates. <i>Journal of Luminescence</i> , 1988, 40-41, 439-440.	1.5	0
190	Correlated random walks. <i>Journal of Statistical Physics</i> , 1988, 53, 203-219.	0.5	3
191	Vindication of mode-coupled descriptions of multiple-scale water wave fields. <i>Journal of Fluid Mechanics</i> , 1988, 196, 585-592.	1.4	9
192	Relations among effective Fokker-Planck equations for systems driven by colored noise. <i>Physical Review A</i> , 1988, 37, 3530-3535.	1.0	23
193	Steady-state segregation in diffusion-limited reactions. <i>Physical Review Letters</i> , 1988, 60, 1777-1780.	2.9	150
194	Polaron band theory as linearized soliton theory. <i>Physical Review B</i> , 1988, 37, 2946-2954.	1.1	46
195	Reply to "Comment on 'Applicability of Hamilton's equations in the quantum soliton problem'". <i>Physical Review A</i> , 1988, 37, 642-643.	1.0	9
196	Alternative formulation of Davydov's theory of energy transport in biomolecular systems. <i>Physical Review A</i> , 1988, 37, 3557-3566.	1.0	75
197	Response of an Insulating Material to Photoexcitation. , 1988, , 105-113.		0
198	Chaos in Physiology: Health or Disease?. , 1987, , 1-4.		35

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199	Polaron formation in the acoustic chain. <i>Journal of Chemical Physics</i> , 1987, 87, 6700-6705.	1.2	22
200	Bistability driven by Gaussian colored noise: First-passage times. <i>Physical Review A</i> , 1987, 35, 3086-3094.	1.0	129
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