

# JosÃ© M Sancho

## List of Publications by Year in descending order

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195  
papers

6,199  
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81900

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197  
docs citations

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times ranked

2483  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical and numerical studies of multiplicative noise. <i>Physical Review A</i> , 1982, 26, 1589-1609.	2.5	569
2	Noise in Spatially Extended Systems. Institute for Nonlinear Science, 1999, , .	0.2	514
3	Spatiotemporal order out of noise. <i>Reviews of Modern Physics</i> , 2007, 79, 829-882.	45.6	433
4	Diffusion on a Solid Surface: Anomalous is Normal. <i>Physical Review Letters</i> , 2004, 92, 250601.	7.8	176
5	Adiabatic elimination for systems of Brownian particles with nonconstant damping coefficients. <i>Journal of Statistical Physics</i> , 1982, 28, 291-305.	1.2	171
6	Effects of External Noise on the Swift-Hohenberg Equation. <i>Physical Review Letters</i> , 1993, 71, 1542-1545.	7.8	121
7	A colored-noise approach to Brownian motion in position space. Corrections to the Smoluchowski equation. <i>Journal of Statistical Physics</i> , 1980, 22, 605-624.	1.2	117
8	Weak Disorder: Anomalous Transport and Diffusion Are Normal Yet Again. <i>Physical Review Letters</i> , 2011, 106, 090602.	7.8	96
9	Regular Wave Propagation Out of Noise in Chemical Active Media. <i>Physical Review Letters</i> , 2001, 87, 078302.	7.8	91
10	From subdiffusion to superdiffusion of particles on solid surfaces. <i>Physical Review E</i> , 2004, 70, 051104.	2.1	91
11	Spatial coherence resonance near pattern-forming instabilities. <i>Europhysics Letters</i> , 2004, 65, 452-458.	2.0	88
12	Sorting on Periodic Surfaces. <i>Physical Review Letters</i> , 2005, 94, 160601.	7.8	87
13	Relaxation time of processes driven by multiplicative noise. <i>Physical Review A</i> , 1984, 29, 3388-3396.	2.5	79
14	Brownian Motion of Spiral Waves Driven by Spatiotemporal Structured Noise. <i>Physical Review Letters</i> , 2000, 84, 2734-2737.	7.8	73
15	Theory for the Transient Statistics of a Dye Laser. <i>Physical Review Letters</i> , 1986, 56, 2473-2476.	7.8	72
16	Numerical algorithm for Ginzburg-Landau equations with multiplicative noise: Application to domain growth. <i>Physical Review B</i> , 1993, 48, 125-131.	3.2	63
17	Coherence and anticoherence resonance tuned by noise. <i>Physical Review E</i> , 2002, 66, 045105.	2.1	61
18	Ballistic and diffusive corrections to front propagation in the presence of multiplicative noise. <i>Physical Review E</i> , 1998, 58, 5494-5500.	2.1	60

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19	Noise-driven mechanism for pattern formation. <i>Physical Review E</i> , 2003, 67, 021113.	2.1	60
20	Tight coupling in thermal Brownian motors. <i>Physical Review E</i> , 2006, 74, 062102.	2.1	60
21	Dispersionless Transport in a Washboard Potential. <i>Physical Review Letters</i> , 2007, 98, 020602.	7.8	60
22	Reentrant transition induced by multiplicative noise in the time-dependent Ginzburg-Landau model. <i>Physical Review E</i> , 1996, 54, 6918-6921.	2.1	58
23	Stochastic processes driven by dichotomous Markov noise: Some exact dynamical results. <i>Journal of Mathematical Physics</i> , 1984, 25, 354-359.	1.1	57
24	External non-white noise and nonequilibrium phase transitions. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1980, 36, 357-364.	1.9	56
25	Asymmetric Stochastic Switching Driven by Intrinsic Molecular Noise. <i>PLoS ONE</i> , 2012, 7, e31407.	2.5	55
26	Generation of spatiotemporal colored noise. <i>Physical Review A</i> , 1992, 46, 4670-4675.	2.5	54
27	Intrinsic noise-induced phase transitions: Beyond the noise interpretation. <i>Physical Review E</i> , 2003, 67, 046110.	2.1	54
28	Theory of nonlinear Gaussian noise. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1981, 43, 361-372.	1.9	53
29	External Fluctuations in Front Propagation. <i>Physical Review Letters</i> , 1996, 76, 3045-3048.	7.8	53
30	Stochastic generation of homogeneous isotropic turbulence with well-defined spectra. <i>Physical Review E</i> , 1993, 48, 2279-2287.	2.1	52
31	Domain growth in binary mixtures at low temperatures. <i>Physical Review B</i> , 1992, 45, 5276-5281.	3.2	50
32	Transport and diffusion on crystalline surfaces under external forces. <i>New Journal of Physics</i> , 2005, 7, 29-29.	2.9	49
33	Wave Propagation in a Medium with Disordered Excitability. <i>Physical Review Letters</i> , 1998, 80, 5437-5440.	7.8	47
34	Noise-Induced Scenario for Inverted Phase Diagrams. <i>Physical Review Letters</i> , 2001, 87, .	7.8	47
35	Colored noise in spatially extended systems. <i>Physical Review E</i> , 1994, 49, 2769-2778.	2.1	46
36	Relaxation from a marginal state in optical bistability. <i>Physical Review A</i> , 1989, 39, 149-156.	2.5	44

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37	Plankton blooms induced by turbulent flows. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 875-880.	2.6	43
38	Fokker-Planck approximation for N-dimensional nonmarkovian langevin equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 76, 97-100.	2.1	41
39	Brownian motion in short range random potentials. Physical Review E, 1998, 58, 2833-2837.	2.1	41
40	Mean first-passage time of continuous non-Markovian processes driven by colored noise. Physical Review A, 1986, 33, 3399-3403.	2.5	38
41	Self-Sustained Spatiotemporal Oscillations Induced by Membrane-Bulk Coupling. Physical Review Letters, 2007, 98, 168303.	7.8	38
42	External non-white noise: Theory and experiment. Physica A: Statistical Mechanics and Its Applications, 1982, 116, 560-572.	2.6	37
43	External dichotomous noise: The problem of the mean-first-passage time. Physical Review A, 1985, 31, 3523-3525.	2.5	37
44	Noise-enhanced excitability in bistable activator-inhibitor media. Physical Review E, 2001, 65, 011105.	2.1	36
45	Brownian colloidal particles: Ito, Stratonovich, or a different stochastic interpretation. Physical Review E, 2011, 84, 062102.	2.1	36
46	Joint probability distribution of nonmarkovian SDE. European Physical Journal B, 1983, 52, 335-343.	1.5	35
47	Effect of external noise correlation in optical coherence resonance. Physical Review E, 2001, 64, 051109.	2.1	35
48	Statistics of transverse mode turn-on dynamics in VCSELs. IEEE Journal of Quantum Electronics, 1997, 33, 1197-1204.	1.9	34
49	Phase separation driven by external fluctuations. Europhysics Letters, 1998, 42, 125-130.	2.0	34
50	Generation of Short and Long Range Temporal Correlated Noises. Journal of Computational Physics, 1999, 156, 1-11.	3.8	34
51	The Kramers problem in the energy-diffusion limited regime. Journal of Chemical Physics, 1998, 109, 9888-9900.	3.0	32
52	Analytical approach to sorting in periodic and random potentials. Physical Review E, 2006, 73, 041102.	2.1	32
53	Noise-induced fronts. Physical Review E, 1999, 59, 98-102.	2.1	31
54	Transport and diffusion of overdamped Brownian particles in random potentials. Physical Review E, 2013, 88, 062105.	2.1	30

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55	Relaxation times of non-Markovian processes. <i>Physical Review A</i> , 1987, 35, 5183-5190.	2.5	29
56	Passage times for the decay of an unstable state triggered by colored noise. <i>Physical Review A</i> , 1989, 39, 2722-2724.	2.5	29
57	Langevin approach to generate synthetic turbulent flows. <i>Physics of Fluids</i> , 1997, 9, 1078-1084.	4.0	29
58	Nonequilibrium transitions induced by multiplicative noise. <i>Physical Review E</i> , 1998, 57, R2495-R2498.	2.1	29
59	Brownian motion in shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1979, 99, 357-364.	2.6	28
60	A nonequilibrium phase transition with colored noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 168, 35-39.	2.1	28
61	Single-molecule diffusion in a periodic potential at a solid-liquid interface. <i>Soft Matter</i> , 2014, 10, 753-759.	2.7	28
62	Escape over a potential barrier driven by colored noise: Large but finite correlation times. <i>Physical Review A</i> , 1988, 38, 3827-3829.	2.5	27
63	First-passage time in a bistable potential with colored noise. <i>Physical Review A</i> , 1989, 40, 2120-2127.	2.5	27
64	External fluctuations in a pattern-forming instability. <i>Physical Review E</i> , 1996, 53, 5680-5689.	2.1	27
65	A + B $\hat{\rightarrow}$ O Reaction with Different Initial Patterns. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19066-19074.	2.9	27
66	Noise-induced phase separation: Mean-field results. <i>Physical Review E</i> , 1999, 60, 3597-3605.	2.1	27
67	Dynamical properties of discrete breathers in curved chains with first and second neighbor interactions. <i>Physical Review E</i> , 2002, 65, 041902.	2.1	27
68	Decay of unstable states in the presence of colored noise and random initial conditions. I. Theory of nonlinear relaxation times. <i>Physical Review A</i> , 1989, 40, 5905-5914.	2.5	26
69	Frequency dynamics of gain-switched injection-locked semiconductor lasers. <i>IEEE Journal of Quantum Electronics</i> , 1997, 33, 1537-1542.	1.9	26
70	Lifetime enhancement of scroll rings by spatiotemporal fluctuations. <i>Physical Review E</i> , 2000, 62, 94-99.	2.1	26
71	Brownian pump powered by a white-noise flashing ratchet. <i>Physical Review E</i> , 2008, 77, 031108.	2.1	26
72	Relaxation times in a bistable system with parametric, white noise: Theory and experiment. <i>Physical Review A</i> , 1985, 32, 3639-3646.	2.5	25

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73	Fluctuation-Dominated Kinetics under Stirring. <i>Physical Review Letters</i> , 1997, 78, 741-744.	7.8	25
74	Transport of localized vibrational energy in biopolymer models with rigidity. <i>Europhysics Letters</i> , 2002, 57, 697-703.	2.0	25
75	Decay of an unstable state in the presence of multiplicative noise. <i>Physical Review A</i> , 1986, 33, 4360-4366.	2.5	24
76	Pulse propagation sustained by noise in arrays of bistable electronic circuits. <i>Physical Review E</i> , 2002, 65, 061108.	2.1	24
77	Master equation description of external poisson white noise in finite systems. <i>Journal of Statistical Physics</i> , 1985, 40, 669-724.	1.2	23
78	Noise-sustained signal propagation. <i>Europhysics Letters</i> , 2000, 50, 427-433.	2.0	23
79	Symmetric Brownian motor. <i>Physical Review E</i> , 2005, 71, 021101.	2.1	23
80	Theory of external two-state Markov noise in the presence of internal fluctuations. <i>Journal of Statistical Physics</i> , 1984, 37, 151-172.	1.2	22
81	A classical particle in heat bath under the influence of external noise. <i>Journal of Mathematical Physics</i> , 1989, 30, 2023-2027.	1.1	22
82	Excitability transitions and wave dynamics under spatiotemporal structured noise. <i>Physical Review E</i> , 2002, 65, 066107.	2.1	22
83	Front dynamics in the presence of spatiotemporal structured noises. <i>Physical Review E</i> , 2001, 64, 016129.	2.1	21
84	Pattern Selection by Dynamical Biochemical Signals. <i>Biophysical Journal</i> , 2015, 108, 1555-1565.	0.5	21
85	Some Results in the Description of Systems under the Influence of Dichotomous Noise. <i>Progress of Theoretical Physics</i> , 1983, 69, 1085-1090.	2.0	20
86	Nonmarkovian dynamics of stochastic differential equations with quadratic noise. <i>European Physical Journal B</i> , 1984, 55, 269-282.	1.5	20
87	Modelization of surface diffusion of a molecular dimer. <i>Physical Review E</i> , 2004, 69, 051105.	2.1	20
88	Heat fluctuations in Brownian transducers. <i>Physical Review E</i> , 2006, 73, 045101.	2.1	19
89	Kinesin as an Electrostatic Machine. <i>Journal of Biological Physics</i> , 2007, 32, 455-463.	1.5	19
90	Effective diffusion in a stochastic velocity field. <i>Journal of Statistical Physics</i> , 1993, 71, 235-242.	1.2	18

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91	Effects of domain morphology in phase-separation dynamics at low temperature. Physical Review B, 1993, 48, 6854-6857.	3.2	18
92	Fluctuations in domain growth: Ginzburg-Landau equations with multiplicative noise. Physical Review B, 1993, 48, 119-124.	3.2	18
93	Phase Separation Dynamics under Stirring. Physical Review Letters, 1995, 75, 1791-1794.	7.8	18
94	Wave competition in excitable modulated media. Physical Review E, 1997, 56, 6298-6301.	2.1	18
95	Sancho et al. Reply. Physical Review Letters, 2005, 94, .	7.8	18
96	Phase Separation Dynamics in a Concentration Gradient. Europhysics Letters, 1994, 27, 291-297.	2.0	16
97	Analytical calculations of switch-on time and timing jitter in diode lasers subjected to optical feedback and external light injection. Optics Communications, 1995, 115, 523-527.	2.1	16
98	On the generalized Kramers problem with exponential memory friction. Physica D: Nonlinear Phenomena, 1999, 133, 348-361.	2.8	16
99	Inertial effects on reactive particles advected by turbulence. Physical Review E, 2001, 64, 026307.	2.1	16
100	ON GENERATING RANDOM POTENTIALS. Fluctuation and Noise Letters, 2012, 11, 1250026.	1.5	16
101	First-passage times for a marginal state driven by colored noise. Physical Review A, 1991, 43, 663-668.	2.5	15
102	Front and domain growth in the presence of gravity. Physical Review B, 1993, 48, 9418-9425.	3.2	15
103	Transient dynamics of a laser under a fluctuating weak external field. Optics Communications, 1994, 109, 435-440.	2.1	15
104	Spatial organization in the A+B $\rightarrow$ O reaction under confined-scale mixing. Journal of Chemical Physics, 1997, 107, 843-848.	3.0	15
105	Competitive evaporation in arrays of droplets. Physical Review E, 1998, 57, 6198-6201.	2.1	15
106	Suppression of scroll wave turbulence by noise. Physical Review E, 2004, 70, 067201.	2.1	15
107	SORTING OF MESOSCOPIC PARTICLES DRIVEN THROUGH PERIODIC POTENTIAL LANDSCAPES. Modern Physics Letters B, 2006, 20, 1427-1442.	1.9	15
108	WEAK DISORDER IN PERIODIC POTENTIALS: ANOMALOUS TRANSPORT AND DIFFUSION. Fluctuation and Noise Letters, 2012, 11, 1240004.	1.5	15

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109	Nonclassical Kinetics in Constrained Geometries: Initial Distribution Effects. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 853-868.	1.7	14
110	Interaction of a discrete breather with a lattice junction. Physical Review E, 2002, 66, 036617.	2.1	14
111	Charged particle transport in antidot lattices in the presence of magnetic and electric fields: Langevin approach. Physical Review B, 2008, 78, .	3.2	14
112	Nonlinear relaxation time and the detection of weak signals. Physical Review A, 1991, 43, 589-590.	2.5	13
113	Spatial correlations and cross sections of clusters in the $A+B\hat{\dagger}O$ reaction. Physical Review E, 1996, 53, 3167-3172.	2.1	13
114	Kinetics of the $A+B\hat{\dagger}O$ reaction under steady and turbulent flows. Journal of Chemical Physics, 1996, 105, 10925-10933.	3.0	13
115	Selection, shape, and relaxation of fronts: A numerical study of the effects of inertia. Physical Review E, 2001, 63, 056608.	2.1	13
116	Diffusion coefficient in periodic and random potentials. Physical Review E, 2009, 80, 021123.	2.1	13
117	Decay of unstable states in the presence of colored noise and random initial conditions. II. Analog experiments and digital simulations. Physical Review A, 1989, 40, 5915-5921.	2.5	12
118	Diffusion of passive scalars under stochastic convection. Physics of Fluids, 1994, 6, 349-355.	4.0	12
119	Numerical study of $A+A\hat{\dagger}$ and $A+B\hat{\dagger}$ reactions with inertia. Journal of Chemical Physics, 2007, 127, 174506.	3.0	12
120	Theoretical Analysis of the F1-ATPase Experimental Data. Biophysical Journal, 2010, 98, 2591-2600.	0.5	12
121	Emergent bimodal firing patterns implement different encoding strategies during gamma-band oscillations. Frontiers in Computational Neuroscience, 2013, 7, 18.	2.1	12
122	Two-state flashing molecular pump. Europhysics Letters, 2009, 86, 40002.	2.0	11
123	Higher-order colored-noise effects in multivariable systems. Physical Review A, 1988, 37, 4469-4473.	2.5	10
124	Transient and preparation colored-noise effects: The nonlinear relaxation-time approach. Physical Review A, 1989, 39, 4915-4918.	2.5	10
125	Detection of a weak external signal via the switch-on-time statistics of a semiconductor laser. Physical Review A, 1993, 47, 3390-3395.	2.5	10
126	Nonlinear-relaxation-time and quasideterministic-theory approaches to characterize the decay of unstable states. Physical Review E, 1993, 47, 1558-1562.	2.1	10



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127	Pattern and velocity selection of fronts propagating in modulated media. Europhysics Letters, 1996, 33, 429-434.	2.0	10
128	Harvesting thermal fluctuations: Activation process induced by a nonlinear chain in thermal equilibrium. Journal of Chemical Physics, 2000, 112, 10615-10624.	3.0	10
129	Resonant motion of discrete breathers in curved nonlinear chains. Journal of Physics A, 2001, 34, 8465-8475.	1.6	10
130	FIRST PASSAGE TIME STATISTICS FOR SYSTEMS DRIVEN BY LONG RANGE CORRELATED GAUSSIAN NOISES. Fluctuation and Noise Letters, 2002, 02, L79-L100.	1.5	10
131	Finite-size scaling theory for non-linear relaxation. Journal of Physics A, 1980, 13, L443-L447.	1.6	9
132	External mechanical force as an inhibition process in kinesin's motion. Biochemical Journal, 2005, 390, 345-349.	3.7	9
133	Particle separation by external fields on periodic surfaces. Journal of Physics Condensed Matter, 2005, 17, S4151-S4163.	1.8	9
134	Molecular motors in conservative and dissipative regimes. Physical Review E, 2011, 84, 041915.	2.1	8
135	Brownian colloids in underdamped and overdamped regimes with nonhomogeneous temperature. Physical Review E, 2015, 92, 062110.	2.1	8
136	Front propagation in spatially modulated media. Physical Review E, 1997, 56, 5405-5412.	2.1	7
137	Noise-Induced Order in Extended Systems: A Tutorial. , 2000, , 235-246.		7
138	NOISE-INDUCED PHASE TRANSITIONS BY NONLINEAR INSTABILITY MECHANISM. Fluctuation and Noise Letters, 2002, 02, L1-L11.	1.5	7
139	Confinement of discrete breathers in inhomogeneously profiled nonlinear chains. Physical Review E, 2003, 67, 037601.	2.1	7
140	A Langevin approach to the macroscopic stochasticity of chemical systems. Journal of Chemical Physics, 1988, 89, 3793-3798.	3.0	6
141	Stochastic dynamics of the chlorite-iodide reaction. Journal of Chemical Physics, 1990, 92, 4786-4792.	3.0	6
142	On the generalized Kramers problem with oscillatory memory friction. Journal of Chemical Physics, 1999, 111, 676-688.	3.0	6
143	Analytical study of a flashing molecular pump. , 2007, , .		6
144	Fokker-Planck approach to molecular motors. Europhysics Letters, 2010, 91, 60001.	2.0	6

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145	Modeling the mechanochemistry of the $\gamma$ -DNA translocation motor. Physical Review E, 2013, 87, .	2.1	6
146	A unified phenomenological analysis of the experimental velocity curves in molecular motors. Journal of Chemical Physics, 2008, 128, 225107.	3.0	5
147	Theoretical study of a membrane channel gated by ATP. European Physical Journal E, 2009, 29, 329-336.	1.6	5
148	Stochastic algorithms for discontinuous multiplicative white noise. Physical Review E, 2010, 81, 032104.	2.1	5
149	Brownian motion on random dynamical landscapes. European Physical Journal B, 2016, 89, 1.	1.5	5
150	A Tunable Magnetic Domain Wall Conduit Regulating Nanoparticle Diffusion. Nano Letters, 2016, 16, 5169-5175.	9.1	5
151	Turn-on-time statistics of modulated lasers subjected to resonant weak optical feedback. Physical Review A, 1995, 52, 4187-4193.	2.5	4
152	Particle dispersion in synthetic turbulent flows. Physical Review E, 2000, 62, 4997-5005.	2.1	4
153	Transport and diffusion on a body-centered-cubic bcc(110) surface under a constant external force (Keynote Address). , 2005, 5845, 201.		4
154	Physical analysis of a processive molecular motor: The conventional kinesin. Physical Review E, 2005, 72, 031918.	2.1	4
155	Langevin dynamics of A+A reactions in one dimension. Journal of Physics Condensed Matter, 2007, 19, 065108.	1.8	4
156	Phase-response approach to firing-rate selectivity in neurons with subthreshold oscillations. Physical Review E, 2010, 82, 041908.	2.1	4
157	Statistical Physics Approach to Thermophoresis of Colloids. Journal of Statistical Physics, 2018, 172, 1609-1616.	1.2	4
158	Landau theory for cellular patterns driven by lateral inhibition interaction. Physical Review E, 2020, 102, 032404.	2.1	4
159	Linear relaxation times of stochastic processes driven by non-Gaussian noises. Journal of Statistical Physics, 1989, 56, 911-929.	1.2	3
160	From lattice-gas models to nonlinear diffusion models: A derivation of macroscopic equations and fluctuations. Physical Review A, 1990, 42, 6234-6237.	2.5	3
161	Unsolved Problems of Surface Diffusion at Low Friction. AIP Conference Proceedings, 2005, , .	0.4	3
162	Unconventional dynamic hysteresis in a periodic assembly of paramagnetic colloids. Physical Review E, 2013, 87, 062301.	2.1	3

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163	Molecular Na-channel excitability from statistical physics. <i>Europhysics Letters</i> , 2014, 108, 50008.	2.0	3
164	Resonant Spike Propagation in Coupled Neurons with Subthreshold Activity. <i>Lecture Notes in Computer Science</i> , 2008, , 695-702.	1.3	3
165	Multiplicative Ornstein Uhlenbeck Noise in Nonequilibrium Phenomena. <i>Springer Series in Synergetics</i> , 1981, , 137-150.	0.4	3
166	Transient dynamics of a single-mode semiconductor laser subjected to both optical feedback and external light injection. <i>Optical and Quantum Electronics</i> , 1995, 27, 755-760.	3.3	2
167	Diffusion in spatially and temporarily inhomogeneous media. <i>Physical Review E</i> , 1996, 54, 5028-5036.	2.1	2
168	EFFECTS OF A QUIENCHED DISORDER ON WAVE PROPAGATION IN EXCITABLE MEDIA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 2353-2361.	1.7	2
169	Binary reaction of nonpassively advected particles immersed in turbulent flows. <i>Journal of Chemical Physics</i> , 2002, 117, 258-265.	3.0	2
170	Exported oscillator competition: A concept to analyze complex rhythms. <i>Physical Review E</i> , 2006, 73, 016206.	2.1	2
171	Physics of molecular machines operated by a particle flux. <i>Europhysics Letters</i> , 2012, 100, 40001.	2.0	2
172	Physical properties of voltage gated pores. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	2
173	On the Fokker-Planck Dynamics Approach to Langevin Equations. <i>Progress of Theoretical Physics</i> , 1980, 63, 62-71.	2.0	1
174	Unified theory of internal and external fluctuations. , 1984, , 337-352.		1
175	Reaction-diffusion fronts under stochastic advection. <i>Physical Review E</i> , 1997, 56, 1729-1732.	2.1	1
176	Synthetic random flows: Generation and applications. , 1997, , 346-357.		1
177	Evaporation and coarsening dynamics with open boundaries. <i>Physical Review E</i> , 1999, 59, 189-193.	2.1	1
178	WAVE PATTERN DYNAMICS IN FLUCTUATING MEDIA. <i>International Journal of Modern Physics C</i> , 2002, 13, 1243-1252.	1.7	1
179	External noise in semiconductor lasers. , 2004, , .		1
180	Analysis of the nucleotide-dependent conformations of kinesin-1 in the hydrolysis cycle. <i>Journal of Chemical Physics</i> , 2009, 131, 015104.	3.0	1

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181	Dynamical Aspects of External Nonwhite Noise. Springer Proceedings in Physics, 1984, , 114-123.	0.2	1
182	Macroscopic stochasticity in the chlorite-iodide reaction. Reaction Kinetics and Catalysis Letters, 1990, 42, 427-433.	0.6	0
183	NLRT formalism for asymmetric dichotomous Markov noise. Journal of Physics A, 1992, 25, 6179-6186.	1.6	0
184	Diffusion in spatially and temporarily inhomogeneous media: Effects of turbulent mixing. Physical Review E, 1997, 56, 1660-1666.	2.1	0
185	Linear Instability Mechanisms of Noise-Induced Phase Transitions. , 2000, , 247-256.		0
186	Multiplicative white-noise-induced phase transitions: the role of the stochastic interpretation. , 2004, , .		0
187	Reply to "Comment on "Heat fluctuations in Brownian transducers" Physical Review E, 2006, 74, 2.1		0
188	Kinetics and spatial organization in reactive systems with nonpassively advected reactants. Journal of Physics Condensed Matter, 2007, 19, 065132.	1.8	0
189	Electrostatic analysis of charge interactions in proteins. International Journal of Quantum Chemistry, 2010, 110, 233-241.	2.0	0
190	POWER AND EFFICIENCY OF F1-ATPase MOLECULAR MOTOR. Fluctuation and Noise Letters, 2012, 11, 1240003.	1.5	0
191	Theoretical study of a molecular turbine. Physical Review E, 2013, 88, 042705.	2.1	0
192	Speeding chemical reactions by focusing. Journal of Chemical Physics, 2013, 138, 144502.	3.0	0
193	Detection of Weak Optical Signals in a Laser. Springer Proceedings in Physics, 1991, , 323-326.	0.2	0
194	Multiplicative Noise in Domain Growth: Stochastic Ginzburg-Landau Equations. NATO ASI Series Series B: Physics, 1993, , 353-361.	0.2	0
195	Langevin Approach to Synthetic Turbulence and Applications. Lecture Notes in Physics, 1997, , 294-294.	0.7	0