

Arkady Pikovsky

List of Publications by Year in descending order

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294
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294
docs citations

294
times ranked

8933
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Synchronization of Chaotic Oscillators. Physical Review Letters, 1996, 76, 1804-1807.	7.8	2,475
2	Coherence Resonance in a Noise-Driven Excitable System. Physical Review Letters, 1997, 78, 775-778.	7.8	1,515
3	Detection of Phase Locking from Noisy Data: Application to Magnetoencephalography. Physical Review Letters, 1998, 81, 3291-3294.	7.8	1,279
4	From Phase to Lag Synchronization in Coupled Chaotic Oscillators. Physical Review Letters, 1997, 78, 4193-4196.	7.8	1,161
5	Phase synchronization of chaotic oscillators by external driving. Physica D: Nonlinear Phenomena, 1997, 104, 219-238.	2.8	497
6	Controlling Synchronization in an Ensemble of Globally Coupled Oscillators. Physical Review Letters, 2004, 92, 114102.	7.8	374
7	Detecting direction of coupling in interacting oscillators. Physical Review E, 2001, 64, 045202.	2.1	369
8	Destruction of Anderson Localization by a Weak Nonlinearity. Physical Review Letters, 2008, 100, 094101.	7.8	346
9	On the interaction of strange attractors. European Physical Journal B, 1984, 55, 149-154.	1.5	310
10	Noise-Induced Dynamics in Bistable Systems with Delay. Physical Review Letters, 2001, 87, 250602.	7.8	285
11	Delayed feedback control of collective synchrony: An approach to suppression of pathological brain rhythms. Physical Review E, 2004, 70, 041904.	2.1	263
12	Partially Integrable Dynamics of Hierarchical Populations of Coupled Oscillators. Physical Review Letters, 2008, 101, 264103.	7.8	253
13	Phase synchronization effects in a lattice of nonidentical Rössler oscillators. Physical Review E, 1997, 55, 2353-2361.	2.1	239
14	Synchronization in a population of globally coupled chaotic oscillators. Europhysics Letters, 1996, 34, 165-170.	2.0	211
15	Attractor-Repeller Collision and Eyelet Intermittency at the Transition to Phase Synchronization. Physical Review Letters, 1997, 79, 47-50.	7.8	209
16	Chapter 9 Phase synchronization: From theory to data analysis. Handbook of Biological Physics, 2001, , 279-321.	0.8	207
17	Symmetry breaking bifurcation for coupled chaotic attractors. Journal of Physics A, 1991, 24, 4587-4597.	1.6	205
18	PHASE SYNCHRONIZATION IN REGULAR AND CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2291-2305.	1.7	204

#	ARTICLE	IF	CITATIONS
19	Chimeralike States in an Ensemble of Globally Coupled Oscillators. <i>Physical Review Letters</i> , 2014, 112, 144103.	7.8	199
20	Characterizing strange nonchaotic attractors. <i>Chaos</i> , 1995, 5, 253-260.	2.5	194
21	Dynamics of globally coupled oscillators: Progress and perspectives. <i>Chaos</i> , 2015, 25, 097616.	2.5	189
22	Phase dynamics of coupled oscillators reconstructed from data. <i>Physical Review E</i> , 2008, 77, 066205.	2.1	176
23	System Size Resonance in Coupled Noisy Systems and in the Ising Model. <i>Physical Review Letters</i> , 2002, 88, 050601.	7.8	163
24	Synchronization and desynchronization of self-sustained oscillators by common noise. <i>Physical Review E</i> , 2005, 71, 045201.	2.1	143
25	An integrated model of fixational eye movements and microsaccades. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E765-70.	7.1	141
26	Strange non-chaotic attractor in a quasiperiodically forced circle map. <i>Physica D: Nonlinear Phenomena</i> , 1995, 88, 176-186.	2.8	125
27	Phase synchronization of chaotic oscillations in terms of periodic orbits. <i>Chaos</i> , 1997, 7, 680-687.	2.5	119
28	Self-emerging and turbulent chimeras in oscillator chains. <i>Physical Review E</i> , 2010, 82, 035205.	2.1	117
29	Statistics of trajectory separation in noisy dynamical systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 165, 33-36.	2.1	115
30	Synchronization: From pendulum clocks to chaotic lasers and chemical oscillators. <i>Contemporary Physics</i> , 2003, 44, 401-416.	1.8	112
31	In vivo cardiac phase response curve elucidates human respiratory heart rate variability. <i>Nature Communications</i> , 2013, 4, 2418.	12.8	111
32	Dynamics of heterogeneous oscillator ensembles in terms of collective variables. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 872-881.	2.8	104
33	Self-Organized Quasiperiodicity in Oscillator Ensembles with Global Nonlinear Coupling. <i>Physical Review Letters</i> , 2007, 98, 064101.	7.8	102
34	Network Reconstruction from Random Phase Resetting. <i>Physical Review Letters</i> , 2011, 107, 034101.	7.8	98
35	Correlations and spectra of strange nonchaotic attractors. <i>Journal of Physics A</i> , 1994, 27, 5209-5219.	1.6	94
36	Phase synchronization in driven and coupled chaotic oscillators. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1997, 44, 874-881.	0.1	92

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37	Feedback suppression of neural synchrony by vanishing stimulation. <i>Physical Review E</i> , 2007, 75, 011918.	2.1	86
38	Dynamic localization of Lyapunov vectors in spacetime chaos. <i>Nonlinearity</i> , 1998, 11, 1049-1062.	1.4	83
39	Resolving Clusters in Chaotic Ensembles of Globally Coupled Identical Oscillators. <i>Physical Review Letters</i> , 2001, 87, 044102.	7.8	82
40	Comment on "Chaos, Noise, and Synchronization". <i>Physical Review Letters</i> , 1994, 73, 2931-2931.	7.8	81
41	Uncovering interaction of coupled oscillators from data. <i>Physical Review E</i> , 2007, 76, 055201.	2.1	81
42	Do globally coupled maps really violate the law of large numbers?. <i>Physical Review Letters</i> , 1994, 72, 1644-1646.	7.8	78
43	Birth of a strange nonchaotic attractor: A renormalization group analysis. <i>Physical Review E</i> , 1995, 51, R1629-R1632.	2.1	78
44	Synchronization in noisy systems and cardiorespiratory interaction. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1998, 17, 46-53.	0.8	76
45	SYNCHRONIZATION APPROACH TO ANALYSIS OF BIOLOGICAL SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2004, 04, L53-L62.	1.5	76
46	Forcing oscillatory media: phase kinks vs. synchronization. <i>Physica D: Nonlinear Phenomena</i> , 1999, 131, 17-30.	2.8	74
47	Pulsatile desynchronizing delayed feedback for closed-loop deep brain stimulation. <i>PLoS ONE</i> , 2017, 12, e0173363.	2.5	74
48	Dynamics of Noisy Oscillator Populations beyond the Ott-Antonsen Ansatz. <i>Physical Review Letters</i> , 2018, 120, 264101.	7.8	73
49	Singular continuous spectra in dissipative dynamics. <i>Physical Review E</i> , 1995, 52, 285-296.	2.1	72
50	Estimation of delay in coupling from time series. <i>Physical Review E</i> , 2004, 70, 046213.	2.1	72
51	Reconstructing phase dynamics of oscillator networks. <i>Chaos</i> , 2011, 21, 025104.	2.5	71
52	Controlling oscillator coherence by delayed feedback. <i>Physical Review E</i> , 2003, 67, 061119.	2.1	69
53	Phase Compactons in Chains of Dispersively Coupled Oscillators. <i>Physical Review Letters</i> , 2005, 94, 174102.	7.8	67
54	Synchronization of self-sustained oscillators by common white noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 126-132.	2.6	66

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55	Self-organized partially synchronous dynamics in populations of nonlinearly coupled oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 27-37.	2.8	65
56	Compactons and chaos in strongly nonlinear lattices. <i>Physical Review E</i> , 2009, 79, 026209.	2.1	64
57	Roughening interfaces in the dynamics of perturbations of spatiotemporal chaos. <i>Physical Review E</i> , 1994, 49, 898-901.	2.1	62
58	Birth of strange nonchaotic attractors due to interior crisis. <i>Physica D: Nonlinear Phenomena</i> , 1997, 109, 180-190.	2.8	62
59	Locking-Based Frequency Measurement and Synchronization of Chaotic Oscillators with Complex Dynamics. <i>Physical Review Letters</i> , 2002, 89, 264102.	7.8	62
60	Reconstructing effective phase connectivity of oscillator networks from observations. <i>New Journal of Physics</i> , 2014, 16, 085013.	2.9	62
61	Dynamical thermalization of disordered nonlinear lattices. <i>Physical Review E</i> , 2009, 80, 056212.	2.1	60
62	Multiplicity of Singular Synchronous States in the Kuramoto Model of Coupled Oscillators. <i>Physical Review Letters</i> , 2013, 111, 204101.	7.8	59
63	Autonomous coupled oscillators with hyperbolic strange attractors. <i>Physica D: Nonlinear Phenomena</i> , 2007, 232, 87-102.	2.8	58
64	Phase resetting of collective rhythm in ensembles of oscillators. <i>Physical Review E</i> , 2010, 82, 056202.	2.1	58
65	Testing stationarity in time series. <i>Physical Review E</i> , 1998, 58, 1800-1810.	2.1	57
66	Reversibility vs. synchronization in oscillator lattices. <i>Physica D: Nonlinear Phenomena</i> , 2002, 170, 118-130.	2.8	56
67	Persistent patterns in deterministic mixing flows. <i>Europhysics Letters</i> , 2003, 61, 625-631.	2.0	56
68	A dynamical model for periodic and chaotic oscillations in the Belousov-Zhabotinsky reaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 85, 13-16.	2.1	55
69	Phase compactons. <i>Physica D: Nonlinear Phenomena</i> , 2006, 218, 56-69.	2.8	54
70	Multiband strange nonchaotic attractors in quasiperiodically forced systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 218, 255-267.	2.1	52
71	Critical Properties of the Synchronization Transition in Space-Time Chaos. <i>Physical Review Letters</i> , 2002, 88, 254101.	7.8	52
72	Strong and Weak Chaos in Weakly Nonintegrable Many-Body Hamiltonian Systems. <i>Journal of Statistical Physics</i> , 2011, 145, 1256-1274.	1.2	48

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73	Antireliability of noise-driven neurons. <i>Physical Review E</i> , 2006, 73, 061906.	2.1	47
74	Phase Description of Stochastic Oscillations. <i>Physical Review Letters</i> , 2013, 110, 204102.	7.8	47
75	Renormalization group for scaling at the torus-doubling terminal point. <i>Physical Review E</i> , 1998, 57, 1585-1590.	2.1	45
76	Finite-size effects in a population of interacting oscillators. <i>Physical Review E</i> , 1999, 59, 1633-1636.	2.1	42
77	Spreading in disordered lattices with different nonlinearities. <i>Europhysics Letters</i> , 2010, 90, 10015.	2.0	42
78	Energy spreading in strongly nonlinear disordered lattices. <i>New Journal of Physics</i> , 2013, 15, 053015.	2.9	42
79	Scaling of energy spreading in strongly nonlinear disordered lattices. <i>Physical Review E</i> , 2011, 83, 026205.	2.1	40
80	Characterizing direction of coupling from experimental observations. <i>Chaos</i> , 2003, 13, 179-184.	2.5	38
81	Finite-size-induced transitions to synchrony in oscillator ensembles with nonlinear global coupling. <i>Physical Review E</i> , 2015, 92, 020901.	2.1	38
82	Statistical properties of dynamically generated anomalous diffusion. <i>Physical Review A</i> , 1991, 43, 3146-3148.	2.5	37
83	On the existence of stationary multisolitons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 74, 177-179.	2.1	36
84	DELAYED FEEDBACK SUPPRESSION OF COLLECTIVE RHYTHMIC ACTIVITY IN A NEURONAL ENSEMBLE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 1989-1999.	1.7	35
85	Collective mode reductions for populations of coupled noisy oscillators. <i>Chaos</i> , 2018, 28, 101101.	2.5	35
86	Manifestations of classical and quantum chaos in nonlinear wave propagation. <i>Physical Review A</i> , 1991, 44, R3423-R3426.	2.5	34
87	Synchronization, zero-resistance states and rotating Wigner crystal. <i>European Physical Journal B</i> , 2007, 60, 225-229.	1.5	34
88	Chaotic destruction of Anderson localization in a nonlinear lattice. <i>Europhysics Letters</i> , 2008, 84, 10006.	2.0	34
89	Scaling properties of weak chaos in nonlinear disordered lattices. <i>Physical Review E</i> , 2011, 83, 025201.	2.1	34
90	Stochastic oscillations in dissipative systems. <i>Physica D: Nonlinear Phenomena</i> , 1981, 2, 8-24.	2.8	33

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91	Anomalous diffusion in the Kuramoto-Sivashinsky equation. <i>Physical Review Letters</i> , 1993, 70, 2892-2895.	7.8	33
92	Phase Synchronization of Chaotic Rotators. <i>Physical Review Letters</i> , 2002, 88, 054102.	7.8	33
93	Interplay of coupling and common noise at the transition to synchrony in oscillator populations. <i>Scientific Reports</i> , 2016, 6, 38518.	3.3	33
94	Collective behavior in ensembles of globally coupled maps. <i>Physica D: Nonlinear Phenomena</i> , 1994, 76, 411-419.	2.8	32
95	Dynamic localization of Lyapunov vectors in Hamiltonian lattices. <i>Physical Review E</i> , 2001, 63, 036207.	2.1	31
96	Dynamics of Multifrequency Oscillator Communities. <i>Physical Review Letters</i> , 2013, 110, 134101.	7.8	31
97	Synchronization transitions in globally coupled rotors in the presence of noise and inertia: Exact results. <i>Europhysics Letters</i> , 2014, 106, 40003.	2.0	31
98	Reconstruction of a neural network from a time series of firing rates. <i>Physical Review E</i> , 2016, 93, 062313.	2.1	31
99	Escape exponent for transient chaos and chaotic scattering in non-hyperbolic Hamiltonian systems. <i>Journal of Physics A</i> , 1992, 25, L477-L481.	1.6	30
100	Correlation properties of a quasiperiodically forced two-level system. <i>Physical Review E</i> , 1995, 51, 1762-1769.	2.1	30
101	Renormalization of correlations and spectra of a strange non-chaotic attractor. <i>Journal of Physics A</i> , 1996, 29, 5297-5311.	1.6	30
102	Chaos and complexity in a simple model of production dynamics. <i>Discrete Dynamics in Nature and Society</i> , 2000, 5, 179-187.	0.9	30
103	Synchronization of a Josephson junction array in terms of global variables. <i>Physical Review E</i> , 2013, 88, 022908.	2.1	30
104	How much time has passed? Ask your heart. <i>Frontiers in Neurorobotics</i> , 2014, 8, 15.	2.8	30
105	The Kuramoto model of coupled oscillators with a bi-harmonic coupling function. <i>Physica D: Nonlinear Phenomena</i> , 2014, 289, 18-31.	2.8	30
106	Numerical phase reduction beyond the first order approximation. <i>Chaos</i> , 2019, 29, 011105.	2.5	30
107	Universality and scaling of period-doubling bifurcations in a dissipative distributed medium. <i>Physica D: Nonlinear Phenomena</i> , 1986, 19, 384-396.	2.8	29
108	Nonreciprocal wave scattering on nonlinear string-coupled oscillators. <i>Chaos</i> , 2014, 24, 043119.	2.5	29

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109	Transition to Coherence in Populations of Coupled Chaotic Oscillators: A Linear Response Approach. <i>Physical Review Letters</i> , 2001, 87, 074101.	7.8	28
110	Quasiperiodically driven Josephson junctions: strange nonchaotic attractors, symmetries and transport. <i>European Physical Journal B</i> , 2002, 26, 219-228.	1.5	28
111	A new type of intermittent transition to chaos. <i>Journal of Physics A</i> , 1983, 16, L109-L112.	1.6	27
112	Finite-size-induced transition in ensemble of globally coupled oscillators. <i>European Physical Journal B</i> , 1994, 95, 541-544.	1.5	27
113	Untangling complex dynamical systems via derivative-variable correlations. <i>Scientific Reports</i> , 2014, 4, 5030.	3.3	27
114	Chimera patterns in the Kuramoto-Battogtokh model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 08LT01.	2.1	27
115	Simple and complex chimera states in a nonlinearly coupled oscillatory medium. <i>Chaos</i> , 2018, 28, 045101.	2.5	27
116	Local Lyapunov exponents for spatiotemporal chaos. <i>Chaos</i> , 1993, 3, 225-232.	2.5	26
117	Effective phase dynamics of noise-induced oscillations in excitable systems. <i>Physical Review E</i> , 2010, 81, 046218.	2.1	26
118	Synchrony suppression in ensembles of coupled oscillators via adaptive vanishing feedback. <i>Chaos</i> , 2013, 23, 033122.	2.5	25
119	Effects of nonresonant interaction in ensembles of phase oscillators. <i>Physical Review E</i> , 2011, 84, 016210.	2.1	24
120	Synchronization of oscillators in a Kuramoto-type model with generic coupling. <i>Chaos</i> , 2014, 24, 023120.	2.5	24
121	Synchronization of coupled active rotators by common noise. <i>Physical Review E</i> , 2017, 96, 062204.	2.1	24
122	Chaos in a solid-state laser with periodically modulated losses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 89, 229-230.	2.1	23
123	The structure of mode-locked regions in quasi-periodically forced circle maps. <i>Physica D: Nonlinear Phenomena</i> , 2000, 140, 227-243.	2.8	23
124	Slow-fast dynamics in Josephson junctions. <i>European Physical Journal B</i> , 2003, 34, 293-303.	1.5	23
125	Abnormal mixing of passive scalars in chaotic flows. <i>Physical Review E</i> , 2007, 75, 036308.	2.1	23
126	Traveling waves and compactons in phase oscillator lattices. <i>Chaos</i> , 2008, 18, 037118.	2.5	23

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127	Star-type oscillatory networks with generic Kuramoto-type coupling: A model for "Japanese drums synchrony". Chaos, 2015, 25, 123120.	2.5	23
128	Low-dimensional dynamics for higher-order harmonic, globally coupled phase-oscillator ensembles. Physical Review E, 2019, 100, 062210.	2.1	23
129	From multiplicative noise to directed percolation in wetting transitions. Physical Review E, 2003, 68, 065102.	2.1	22
130	Multiscaling of noise-induced parametric instability. Physical Review E, 2003, 67, 061117.	2.1	22
131	Reconstruction of two-dimensional phase dynamics from experiments on coupled oscillators. Physical Review E, 2011, 84, 046201.	2.1	22
132	Steady Viscous Flow with Fractal Power Spectrum. Physical Review Letters, 1996, 77, 4338-4341.	7.8	21
133	Unidirectionally coupled map lattice as a model for open flow systems. Physical Review E, 1996, 54, 5107-5115.	2.1	21
134	Optimal phase description of chaotic oscillators. Physical Review E, 2012, 85, 026216.	2.1	21
135	Critical point of tori collision in quasiperiodically forced systems. Physical Review E, 2000, 62, 1995-2007.	2.1	20
136	Rotation numbers for quasi-periodically forced monotone circle maps. Dynamical Systems, 2002, 17, 1-28.	0.4	20
137	Cluster-splitting bifurcation in a system of coupled maps. Physica D: Nonlinear Phenomena, 2002, 168-169, 106-125.	2.8	20
138	Coherence of noisy oscillators with delayed feedback. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 124-128.	2.6	20
139	Periodically forced ensemble of nonlinearly coupled oscillators: From partial to full synchrony. Physical Review E, 2009, 80, 046211.	2.1	20
140	Reconstruction of a random phase dynamics network from observations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 147-152.	2.1	20
141	Transcritical loss of synchronization in coupled chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 401-406.	2.1	19
142	Two types of quasiperiodic partial synchrony in oscillator ensembles. Physical Review E, 2015, 92, 012919.	2.1	19
143	Dynamics of weakly inhomogeneous oscillator populations: perturbation theory on top of Watanabe's "Strogatz integrability. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 31LT02.	2.1	19
144	On the correlation dimension of the spectral measure for the thue-morse sequence. Journal of Statistical Physics, 1997, 88, 1387-1392.	1.2	18

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145	Hyperbolic chaos in the phase dynamics of a Q-switched oscillator with delayed nonlinear feedbacks. Europhysics Letters, 2008, 84, 10013.	2.0	18
146	Maximizing Coherence of Oscillations by External Locking. Physical Review Letters, 2015, 115, 070602.	7.8	18
147	Disentangling respiratory sinus arrhythmia in heart rate variability records. Physiological Measurement, 2018, 39, 054002.	2.1	18
148	Repulsively coupled Kuramoto-Sakaguchi phase oscillators ensemble subject to common noise. Chaos, 2019, 29, 033127.	2.5	18
149	Spatial development of chaos in nonlinear media. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 137, 121-127.	2.1	17
150	Lyapunov exponents in disordered chaotic systems: Avoided crossing and level statistics. Physical Review E, 2001, 63, 036213.	2.1	17
151	Mixing-Induced Global Modes in Open Active Flow. Physical Review Letters, 2007, 99, 184503.	7.8	17
152	Synchronization of slow-fast systems. European Physical Journal: Special Topics, 2010, 191, 3-14.	2.6	17
153	Detecting triplet locking by triplet synchronization indices. Physical Review E, 2013, 87, 052904.	2.1	17
154	Chaos synchronization by nonlinear coupling. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 344-351.	3.3	17
155	Kantorovich-Rubinstein-Wasserstein distance between overlapping attractor and repeller. Chaos, 2020, 30, 073114.	2.5	17
156	High-order phase reduction for coupled oscillators. Journal of Physics Complexity, 2021, 2, 015005.	2.2	17
157	The simplest case of chaotic wave scattering. Chaos, 1993, 3, 505-506.	2.5	16
158	Comment on "Strange nonchaotic attractors in autonomous and periodically driven systems". Physical Review E, 1997, 56, 7320-7321.	2.1	16
159	Desynchronization transitions in nonlinearly coupled phase oscillators. Physica D: Nonlinear Phenomena, 2011, 240, 1352-1361.	2.8	16
160	Transition to collective oscillations in finite Kuramoto ensembles. Physical Review E, 2018, 97, 032310.	2.1	16
161	Phase demodulation with iterative Hilbert transform embeddings. Signal Processing, 2019, 165, 115-127.	3.7	16
162	Multistep method for controlling chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 181, 149-152.	2.1	15

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163	On the generalized dimensions for the Fourier spectrum of the Thue-Morse sequence. Journal of Physics A, 1999, 32, 1523-1530.	1.6	15
164	Complex dynamics of an oscillator ensemble with uniformly distributed natural frequencies and global nonlinear coupling. Physical Review E, 2010, 82, 016212.	2.1	15
165	Marginal chimera state at cross-frequency locking of pulse-coupled neural networks. Physical Review E, 2016, 93, 032202.	2.1	14
166	Mixed-mode synchronization between two inhibitory neurons with post-inhibitory rebound. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 175-191.	3.3	14
167	Control of oscillators coherence by multiple delayed feedback. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 181-185.	2.1	13
168	Superexponential droplet fractalization as a hierarchical formation of dissipative compactons. Physical Review E, 2010, 82, 020601.	2.1	13
169	Scaling properties of energy spreading in nonlinear Hamiltonian two-dimensional lattices. Physical Review E, 2012, 86, 056214.	2.1	13
170	Robust synchronization of spin-torque oscillators with an $L < C < R$. Physical Review E, 2013, 88, 032812.	2.1	13
171	Chimeras and complex cluster states in arrays of spin-torque oscillators. Scientific Reports, 2017, 7, 4648.	3.3	13
172	Blinking chimeras in globally coupled rotators. Chaos, 2019, 29, 071101.	2.5	13
173	Low-dimensional description for ensembles of identical phase oscillators subject to Cauchy noise. Physical Review E, 2020, 102, 052315.	2.1	13
174	Transcritical riddling in a system of coupled maps. Physical Review E, 2001, 63, 036201.	2.1	12
175	Dynamics of multi-frequency oscillator ensembles with resonant coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2714-2719.	2.1	12
176	Global dynamics of oscillator populations under common noise. Europhysics Letters, 2012, 99, 20006.	2.0	12
177	Nonlinear phase coupling functions: a numerical study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190093.	3.4	12
178	Some elements for a history of the dynamical systems theory. Chaos, 2021, 31, 053110.	2.5	12
179	Complex Phase Synchronization in Neurophysiological Data. Springer Series in Synergetics, 1999, , 252-273.	0.4	12
180	Dynamics of oscillators globally coupled via two mean fields. Scientific Reports, 2017, 7, 2104.	3.3	11

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181	Hierarchy of Exact Low-Dimensional Reductions for Populations of Coupled Oscillators. <i>Physical Review Letters</i> , 2022, 128, 054101.	7.8	11
182	Confinement and Collective Escape of Active Particles. <i>Physical Review Letters</i> , 2022, 128, 108001.	7.8	11
183	Symmetry breaking in distributed systems and modulational spatio-temporal intermittency. <i>Chaos, Solitons and Fractals</i> , 1995, 5, 1893-1899.	5.1	10
184	Riddling, bubbling, and Hopf bifurcation in coupled map systems. <i>Physical Review E</i> , 1999, 60, 5474-5478.	2.1	10
185	Effective phase description of noise-perturbed and noise-induced oscillations. <i>European Physical Journal: Special Topics</i> , 2010, 187, 63-76.	2.6	10
186	From complete to modulated synchrony in networks of identical Hindmarsh-Rose neurons. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2407-2416.	2.6	10
187	Ensemble inequivalence in a mean-field $\langle X \rangle \langle Y \rangle / \langle XY \rangle$ with ferromagnetic and nematic couplings. <i>Physical Review E</i> , 2014, 90, 062141.		
188	Breathers in strongly anharmonic lattices. <i>Physical Review E</i> , 2014, 89, 022924.	2.1	10
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