

Arkady Pikovsky

List of Publications by Year in descending order

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282
papers

22,694
citations

20817

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294
times ranked

8933
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-locking dynamics of heterogeneous oscillator arrays. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111721.	5.1	1
2	Hierarchy of Exact Low-Dimensional Reductions for Populations of Coupled Oscillators. <i>Physical Review Letters</i> , 2022, 128, 054101.	7.8	11
3	Confinement and Collective Escape of Active Particles. <i>Physical Review Letters</i> , 2022, 128, 108001.	7.8	11
4	Finite-density-induced motility and turbulence of chimera solitons. <i>New Journal of Physics</i> , 2022, 24, 043042.	2.9	3
5	Phase Reconstruction with Iterated Hilbert Transforms. <i>Understanding Complex Systems</i> , 2021, , 191-208.	0.6	3
6	Transition to synchrony in chiral active particles. <i>Journal of Physics Complexity</i> , 2021, 2, 025009.	2.2	8
7	Impact of local network characteristics on network reconstruction. <i>Physical Review E</i> , 2021, 103, 022305.	2.1	6
8	Some elements for a history of the dynamical systems theory. <i>Chaos</i> , 2021, 31, 053110.	2.5	12
9	Stochastic bursting in networks of excitable units with delayed coupling. <i>Biological Cybernetics</i> , 2021, , 1.	1.3	0
10	Waves in strongly nonlinear Gardner-like equations on a lattice. <i>Nonlinearity</i> , 2021, 34, 5872-5896.	1.4	1
11	Mutual singularities of overlapping attractor and repeller. <i>Chaos</i> , 2021, 31, 083127.	2.5	2
12	Disorder fosters chimera in an array of motile particles. <i>Physical Review E</i> , 2021, 104, 034205.	2.1	6
13	Real-time estimation of phase and amplitude with application to neural data. <i>Scientific Reports</i> , 2021, 11, 18037.	3.3	9
14	Chimeras on a social-type network. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 15.	2.4	7
15	High-order phase reduction for coupled oscillators. <i>Journal of Physics Complexity</i> , 2021, 2, 015005.	2.2	17
16	Phase reconstruction from oscillatory data with iterated Hilbert transform embeddings – Benefits and limitations. <i>Physica D: Nonlinear Phenomena</i> , 2021, 429, 133070.	2.8	2
17	Kantorovich – Rubinstein – Wasserstein distance between overlapping attractor and repeller. <i>Chaos</i> , 2020, 30, 073114.	2.5	17
18	Coupled MÃ¶bius maps as a tool to model Kuramoto phase synchronization. <i>Physical Review E</i> , 2020, 102, 022206.	2.1	6

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19	Locking and regularization of chimeras by periodic forcing. <i>Physical Review E</i> , 2020, 102, 042218.	2.1	7
20	Low-dimensional description for ensembles of identical phase oscillators subject to Cauchy noise. <i>Physical Review E</i> , 2020, 102, 052315.	2.1	13
21	Solitary phase waves in a chain of autonomous oscillators. <i>Chaos</i> , 2020, 30, 053119.	2.5	5
22	Analytical approach to synchronous states of globally coupled noisy rotators. <i>New Journal of Physics</i> , 2020, 22, 023036.	2.9	10
23	Scaling of energy spreading in a disordered Ding-Dong lattice. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 053301.	2.3	2
24	Phase demodulation with iterative Hilbert transform embeddings. <i>Signal Processing</i> , 2019, 165, 115-127.	3.7	16
25	Synchrony breakdown and noise-induced oscillation death in ensembles of serially connected spin-torque oscillators. <i>European Physical Journal B</i> , 2019, 92, 1.	1.5	2
26	Blinking chimeras in globally coupled rotators. <i>Chaos</i> , 2019, 29, 071101.	2.5	13
27	Dynamical disentanglement in an analysis of oscillatory systems: an application to respiratory sinus arrhythmia. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190045.	3.4	10
28	Nonlinear phase coupling functions: a numerical study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190093.	3.4	12
29	Microscopic correlations in the finite-size Kuramoto model of coupled oscillators. <i>Physical Review E</i> , 2019, 100, 032210.	2.1	3
30	Numerical phase reduction beyond the first order approximation. <i>Chaos</i> , 2019, 29, 011105.	2.5	30
31	Stochastic bursting in unidirectionally delay-coupled noisy excitable systems. <i>Chaos</i> , 2019, 29, 041103.	2.5	4
32	Repulsively coupled Kuramoto-Sakaguchi phase oscillators ensemble subject to common noise. <i>Chaos</i> , 2019, 29, 033127.	2.5	18
33	Stabilization of direct numerical simulation for finite truncations of circular cumulant expansions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 581, 012008.	0.6	1
34	Twisted States in a System of Nonlinearly Coupled Phase Oscillators. <i>Regular and Chaotic Dynamics</i> , 2019, 24, 717-724.	0.8	7
35	Low-dimensional dynamics for higher-order harmonic, globally coupled phase-oscillator ensembles. <i>Physical Review E</i> , 2019, 100, 062210.	2.1	23
36	Chimera Patterns in One-Dimensional Oscillatory Medium. , 2018, , 159-180.		0

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37	Disentangling respiratory sinus arrhythmia in heart rate variability records. <i>Physiological Measurement</i> , 2018, 39, 054002.	2.1	18
38	Simple and complex chimera states in a nonlinearly coupled oscillatory medium. <i>Chaos</i> , 2018, 28, 045101.	2.5	27
39	Transition to collective oscillations in finite Kuramoto ensembles. <i>Physical Review E</i> , 2018, 97, 032310.	2.1	16
40	Reconstruction of coupling architecture of neural field networks from vector time series. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 57, 342-351.	3.3	8
41	Reconstruction of a random phase dynamics network from observations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 147-152.	2.1	20
42	Solitary synchronization waves in distributed oscillator populations. <i>Physical Review E</i> , 2018, 98, .	2.1	5
43	Efficient determination of synchronization domains from observations of asynchronous dynamics. <i>Chaos</i> , 2018, 28, 106301.	2.5	7
44	Collective mode reductions for populations of coupled noisy oscillators. <i>Chaos</i> , 2018, 28, 101101.	2.5	35
45	Delay-induced stochastic bursting in excitable noisy systems. <i>Physical Review E</i> , 2018, 98, .	2.1	8
46	Describing dynamics of driven multistable oscillators with phase transfer curves. <i>Chaos</i> , 2018, 28, 106323.	2.5	3
47	Dynamics of Noisy Oscillator Populations beyond the Ott-Antonsen Ansatz. <i>Physical Review Letters</i> , 2018, 120, 264101.	7.8	73
48	Chimera patterns in the Kuramoto–Battogtokh model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 08LT01.	2.1	27
49	Reconstruction of a scalar voltage-based neural field network from observed time series. <i>Europhysics Letters</i> , 2017, 119, 30004.	2.0	4
50	Synchronization of coupled active rotators by common noise. <i>Physical Review E</i> , 2017, 96, 062204.	2.1	24
51	Chimeras and complex cluster states in arrays of spin-torque oscillators. <i>Scientific Reports</i> , 2017, 7, 4648.	3.3	13
52	Competing influence of common noise and desynchronizing coupling on synchronization in the Kuramoto-Sakaguchi ensemble. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1921-1937.	2.6	9
53	Dynamics of oscillators globally coupled via two mean fields. <i>Scientific Reports</i> , 2017, 7, 2104.	3.3	11
54	Chaotic macroscopic phases in one-dimensional oscillators. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1791-1810.	2.6	5

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55	Chaos synchronization by nonlinear coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 44, 344-351.	3.3	17
56	Unraveling the Chaos-Land and Its Organization in the Rabinovich System. <i>Advances in Dynamics, Patterns, Cognition</i> , 2017, , 41-60.	0.3	4
57	Pulsatile desynchronizing delayed feedback for closed-loop deep brain stimulation. <i>PLoS ONE</i> , 2017, 12, e0173363.	2.5	74
58	Dynamics of weakly inhomogeneous oscillator populations: perturbation theory on top of Watanabe–Strogatz integrability. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 31LT02.	2.1	19
59	Frequency locking near the gluing bifurcation: Spin-torque oscillator under periodic modulation of current. <i>Physica D: Nonlinear Phenomena</i> , 2016, 335, 33-44.	2.8	4
60	Marginal chimera state at cross-frequency locking of pulse-coupled neural networks. <i>Physical Review E</i> , 2016, 93, 032202.	2.1	14
61	Reconstruction of a neural network from a time series of firing rates. <i>Physical Review E</i> , 2016, 93, 062313.	2.1	31
62	Interplay of coupling and common noise at the transition to synchrony in oscillator populations. <i>Scientific Reports</i> , 2016, 6, 38518.	3.3	33
63	Mixed-mode synchronization between two inhibitory neurons with post-inhibitory rebound. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 36, 175-191.	3.3	14
64	Intercommunity resonances in multifrequency ensembles of coupled oscillators. <i>Physical Review E</i> , 2015, 92, 012906.	2.1	8
65	Two types of quasiperiodic partial synchrony in oscillator ensembles. <i>Physical Review E</i> , 2015, 92, 012919.	2.1	19
66	Comment on “Asymptotic Phase for Stochastic Oscillators”. <i>Physical Review Letters</i> , 2015, 115, 069401.	7.8	7
67	Maximizing Coherence of Oscillations by External Locking. <i>Physical Review Letters</i> , 2015, 115, 070602.	7.8	18
68	Partial synchronization in networks of non-linearly coupled oscillators: The Deserter Hubs Model. <i>Chaos</i> , 2015, 25, 043119.	2.5	9
69	Star-type oscillatory networks with generic Kuramoto-type coupling: A model for “Japanese drums synchrony”. <i>Chaos</i> , 2015, 25, 123120.	2.5	23
70	Synchronization transitions in ensembles of noisy oscillators with bi-harmonic coupling. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 105101.	2.1	8
71	Dynamics of globally coupled oscillators: Progress and perspectives. <i>Chaos</i> , 2015, 25, 097616.	2.5	189
72	Finite-size-induced transitions to synchrony in oscillator ensembles with nonlinear global coupling. <i>Physical Review E</i> , 2015, 92, 020901.	2.1	38

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73	First and second sound in disordered strongly nonlinear lattices: numerical study. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08007.	2.3	6
74	How much time has passed? Ask your heart. Frontiers in Neurorobotics, 2014, 8, 15.	2.8	30
75	Nonreciprocal wave scattering on nonlinear string-coupled oscillators. Chaos, 2014, 24, 043119.	2.5	29
76	Ensemble inequivalence in a mean-field $\langle \mathbf{X} \cdot \mathbf{Y} \rangle$ with ferromagnetic and nematic couplings. Physical Review E, 2014, 90, 062141.	2.1	10
77	Untangling complex dynamical systems via derivative-variable correlations. Scientific Reports, 2014, 4, 5030.	3.3	27
78	Reconstructing effective phase connectivity of oscillator networks from observations. New Journal of Physics, 2014, 16, 085013.	2.9	62
79	Breathers in strongly anharmonic lattices. Physical Review E, 2014, 89, 022924.	2.1	10
80	Coherence properties of cycling chaos. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2734-2739.	3.3	3
81	Synchronization transitions in globally coupled rotors in the presence of noise and inertia: Exact results. Europhysics Letters, 2014, 106, 40003.	2.0	31
82	The Kuramoto model of coupled oscillators with a bi-harmonic coupling function. Physica D: Nonlinear Phenomena, 2014, 289, 18-31.	2.8	30
83	Attractor of Smale - Williams type in an autonomous distributed system. Regular and Chaotic Dynamics, 2014, 19, 483-494.	0.8	7
84	Chimeralike States in an Ensemble of Globally Coupled Oscillators. Physical Review Letters, 2014, 112, 144103.	7.8	199
85	Synchronization of oscillators in a Kuramoto-type model with generic coupling. Chaos, 2014, 24, 023120.	2.5	24
86	Synchrony suppression in ensembles of coupled oscillators <i>via</i> adaptive vanishing feedback. Chaos, 2013, 23, 033122.	2.5	25
87	Multiplicity of Singular Synchronous States in the Kuramoto Model of Coupled Oscillators. Physical Review Letters, 2013, 111, 204101.	7.8	59
88	In vivo cardiac phase response curve elucidates human respiratory heart rate variability. Nature Communications, 2013, 4, 2418.	12.8	111
89	Robust synchronization of spin-torque oscillators with an $L \cdot C \cdot R$ load. Physical Review E, 2013, 88, 032812.	2.1	13
90	Hyperbolic chaos at blinking coupling of noisy oscillators. Physical Review E, 2013, 87, .	2.1	0

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91	Dynamics of Multifrequency Oscillator Communities. <i>Physical Review Letters</i> , 2013, 110, 134101.	7.8	31
92	Phase Description of Stochastic Oscillations. <i>Physical Review Letters</i> , 2013, 110, 204102.	7.8	47
93	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
94	Energy spreading in strongly nonlinear disordered lattices. <i>New Journal of Physics</i> , 2013, 15, 053015.	2.9	42
95	Detecting triplet locking by triplet synchronization indices. <i>Physical Review E</i> , 2013, 87, 052904.	2.1	17
96	Synchronization of a Josephson junction array in terms of global variables. <i>Physical Review E</i> , 2013, 88, 022908.	2.1	30
97	Multipulse phase resetting curves. <i>Physical Review E</i> , 2013, 88, 042902.	2.1	5
98	Optimal phase description of chaotic oscillators. <i>Physical Review E</i> , 2012, 85, 026216.	2.1	21
99	Spreading of energy in the Ding-Dong model. <i>Chaos</i> , 2012, 22, 026118.	2.5	5
100	Global dynamics of oscillator populations under common noise. <i>Europhysics Letters</i> , 2012, 99, 20006.	2.0	12
101	Hyperbolic Chaos of Turing Patterns. <i>Physical Review Letters</i> , 2012, 108, 194101.	7.8	6
102	Re-localization due to finite response times in a nonlinear Anderson chain. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	5
103	Scaling properties of energy spreading in nonlinear Hamiltonian two-dimensional lattices. <i>Physical Review E</i> , 2012, 86, 056214.	2.1	13
104	Effects of nonresonant interaction in ensembles of phase oscillators. <i>Physical Review E</i> , 2011, 84, 016210.	2.1	24
105	Desynchronization transitions in nonlinearly coupled phase oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1352-1361.	2.8	16
106	Strong and Weak Chaos in Weakly Nonintegrable Many-Body Hamiltonian Systems. <i>Journal of Statistical Physics</i> , 2011, 145, 1256-1274.	1.2	48
107	Dynamics of heterogeneous oscillator ensembles in terms of collective variables. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 872-881.	2.8	104
108	Hyperbolic chaos in a system of resonantly coupled weakly nonlinear oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1407-1411.	2.1	8

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109	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
110	Scaling of energy spreading in strongly nonlinear disordered lattices. Physical Review E, 2011, 83, 026205.	2.1	40
111	Quantum vacuum of strongly nonlinear lattices. Physical Review E, 2011, 83, 016202.	2.1	4
112	Scaling properties of weak chaos in nonlinear disordered lattices. Physical Review E, 2011, 83, 025201.	2.1	34
113	Network Reconstruction from Random Phase Resetting. Physical Review Letters, 2011, 107, 034101.	7.8	98
114	Reconstructing phase dynamics of oscillator networks. Chaos, 2011, 21, 025104.	2.5	71
115	Reconstruction of two-dimensional phase dynamics from experiments on coupled oscillators. Physical Review E, 2011, 84, 046201.	2.1	22
116	Pattern Formation Induced by Time-Dependent Advection. Mathematical Modelling of Natural Phenomena, 2011, 6, 138-148.	2.4	4
117	An integrated model of fixational eye movements and microsaccades. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E765-70.	7.1	141
118	Spreading in disordered lattices with different nonlinearities. Europhysics Letters, 2010, 90, 10015.	2.0	42
119	Effective phase description of noise-perturbed and noise-induced oscillations. European Physical Journal: Special Topics, 2010, 187, 63-76.	2.6	10
120	Synchronization of slow-fast systems. European Physical Journal: Special Topics, 2010, 191, 3-14.	2.6	17
121	Effective phase dynamics of noise-induced oscillations in excitable systems. Physical Review E, 2010, 81, 046218.	2.1	26
122	Phase resetting of collective rhythm in ensembles of oscillators. Physical Review E, 2010, 82, 056202.	2.1	58
123	Self-emerging and turbulent chimeras in oscillator chains. Physical Review E, 2010, 82, 035205.	2.1	117
124	Superexponential droplet fractalization as a hierarchical formation of dissipative compactons. Physical Review E, 2010, 82, 020601.	2.1	13
125	Complex dynamics of an oscillator ensemble with uniformly distributed natural frequencies and global nonlinear coupling. Physical Review E, 2010, 82, 016212.	2.1	15
126	Collective phase chaos in the dynamics of interacting oscillator ensembles. Chaos, 2010, 20, 043134.	2.5	8

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127	Dynamical thermalization of disordered nonlinear lattices. <i>Physical Review E</i> , 2009, 80, 056212.	2.1	60
128	Compactons and chaos in strongly nonlinear lattices. <i>Physical Review E</i> , 2009, 79, 026209.	2.1	64
129	Synchronization mechanism of sharp edges in rings of Saturn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1934-1940.	4.4	8
130	Self-organized partially synchronous dynamics in populations of nonlinearly coupled oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 27-37.	2.8	65
131	Periodically forced ensemble of nonlinearly coupled oscillators: From partial to full synchrony. <i>Physical Review E</i> , 2009, 80, 046211.	2.1	20
132	Controlling coherence of noisy and chaotic oscillators by a linear feedback. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6045-6056.	2.6	7
133	Destruction of Anderson Localization by a Weak Nonlinearity. <i>Physical Review Letters</i> , 2008, 100, 094101.	7.8	346
134	Chaotic destruction of Anderson localization in a nonlinear lattice. <i>Europhysics Letters</i> , 2008, 84, 10006.	2.0	34
135	Phase dynamics of coupled oscillators reconstructed from data. <i>Physical Review E</i> , 2008, 77, 066205.	2.1	176
136	Partially Integrable Dynamics of Hierarchical Populations of Coupled Oscillators. <i>Physical Review Letters</i> , 2008, 101, 264103.	7.8	253
137	Hyperbolic chaos in the phase dynamics of a Q-switched oscillator with delayed nonlinear feedbacks. <i>Europhysics Letters</i> , 2008, 84, 10013.	2.0	18
138	Traveling waves and compactons in phase oscillator lattices. <i>Chaos</i> , 2008, 18, 037118.	2.5	23
139	Mixing-induced activity in open flows. <i>Physica Scripta</i> , 2008, T132, 014035.	2.5	1
140	Abnormal mixing of passive scalars in chaotic flows. <i>Physical Review E</i> , 2007, 75, 036308.	2.1	23
141	Mixing-Induced Global Modes in Open Active Flow. <i>Physical Review Letters</i> , 2007, 99, 184503.	7.8	17
142	Feedback suppression of neural synchrony by vanishing stimulation. <i>Physical Review E</i> , 2007, 75, 011918.	2.1	86
143	Uncovering interaction of coupled oscillators from data. <i>Physical Review E</i> , 2007, 76, 055201.	2.1	81
144	Self-Organized Quasiperiodicity in Oscillator Ensembles with Global Nonlinear Coupling. <i>Physical Review Letters</i> , 2007, 98, 064101.	7.8	102

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145	Feedback suppression of neural synchrony. AIP Conference Proceedings, 2007, , .	0.4	0
146	Autonomous coupled oscillators with hyperbolic strange attractors. Physica D: Nonlinear Phenomena, 2007, 232, 87-102.	2.8	58
147	Synchronization, zero-resistance states and rotating Wigner crystal. European Physical Journal B, 2007, 60, 225-229.	1.5	34
148	Synchronization of complex systems: Analysis and control. World Scientific Lecture Notes in Complex Systems, 2007, , 347-369.	0.1	0
149	Antireliability of noise-driven neurons. Physical Review E, 2006, 73, 061906.	2.1	47
150	DELAYED FEEDBACK SUPPRESSION OF COLLECTIVE RHYTHMIC ACTIVITY IN A NEURONAL ENSEMBLE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1989-1999.	1.7	35
151	Phase Synchronization of Regular and Chaotic Oscillators. , 2006, , 305-328.		1
152	Phase compactons. Physica D: Nonlinear Phenomena, 2006, 218, 56-69.	2.8	54
153	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
154	Coupled Oscillators Approach in Analysis of Physiological Data. , 2006, 2006, 441-4.		3
155	Effects of Delayed Feedback on Kuramoto Transition. Progress of Theoretical Physics Supplement, 2006, 161, 43-52.	0.1	6
156	Coupled Oscillators Approach in Analysis of Physiological Data. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
157	Synchronization of self-sustained oscillators by common white noise. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 126-132.	2.6	66
158	Synchronization and desynchronization of self-sustained oscillators by common noise. Physical Review E, 2005, 71, 045201.	2.1	143
159	Continuous approach for the random-field Ising chain. Physical Review E, 2005, 72, 056108.	2.1	3
160	Phase Compactons in Chains of Dispersively Coupled Oscillators. Physical Review Letters, 2005, 94, 174102.	7.8	67
161	Estimation of delay in coupling from time series. Physical Review E, 2004, 70, 046213.	2.1	72
162	Temporal Chaos Versus Spatial Mixing in Reaction-Advection-Diffusion Systems. Physical Review Letters, 2004, 93, 174501.	7.8	7

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163	SYNCHRONIZATION APPROACH TO ANALYSIS OF BIOLOGICAL SYSTEMS. Fluctuation and Noise Letters, 2004, 04, L53-L62.	1.5	76
164	Controlling Synchronization in an Ensemble of Globally Coupled Oscillators. Physical Review Letters, 2004, 92, 114102.	7.8	374
165	Delayed feedback control of collective synchrony: An approach to suppression of pathological brain rhythms. Physical Review E, 2004, 70, 041904.	2.1	263
166	Slow-fast dynamics in Josephson junctions. European Physical Journal B, 2003, 34, 293-303.	1.5	23
167	Coherence of noisy oscillators with delayed feedback. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 124-128.	2.6	20
168	Synchronization: From pendulum clocks to chaotic lasers and chemical oscillators. Contemporary Physics, 2003, 44, 401-416.	1.8	112
169	Controlling oscillator coherence by delayed feedback. Physical Review E, 2003, 67, 061119.	2.1	69
170	From multiplicative noise to directed percolation in wetting transitions. Physical Review E, 2003, 68, 065102.	2.1	22
171	Characterizing direction of coupling from experimental observations. Chaos, 2003, 13, 179-184.	2.5	38
172	Multiscaling of noise-induced parametric instability. Physical Review E, 2003, 67, 061117.	2.1	22
173	DYNAMICS BETWEEN ORDER AND CHAOS IN A SIMPLE REENRANT MODEL OF PRODUCTION DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1343-1351.	1.7	2
174	Persistent patterns in deterministic mixing flows. Europhysics Letters, 2003, 61, 625-631.	2.0	56
175	System Size Stochastic and Coherence Resonance. AIP Conference Proceedings, 2003, , .	0.4	2
176	Phase Synchronization of Regular and Chaotic Self-Sustained Oscillators. , 2003, , 187-219.		6
177	Critical Properties of the Synchronization Transition in Space-Time Chaos. Physical Review Letters, 2002, 88, 254101.	7.8	52
178	Phase Synchronization of Chaotic Rotators. Physical Review Letters, 2002, 88, 054102.	7.8	33
179	System Size Resonance in Coupled Noisy Systems and in the Ising Model. Physical Review Letters, 2002, 88, 050601.	7.8	163
180	Collective modes in parametrically excited oscillator arrays. Europhysics Letters, 2002, 59, 193-198.	2.0	8

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181	Coupling sensitivity of localization length in one-dimensional disordered systems. Europhysics Letters, 2002, 60, 889-895.	2.0	2
182	Locking-Based Frequency Measurement and Synchronization of Chaotic Oscillators with Complex Dynamics. Physical Review Letters, 2002, 89, 264102.	7.8	62
183	Rotation numbers for quasi-periodically forced monotone circle maps. Dynamical Systems, 2002, 17, 1-28.	0.4	20
184	Cluster-splitting bifurcation in a system of coupled maps. Physica D: Nonlinear Phenomena, 2002, 168-169, 106-125.	2.8	20
185	Reversibility vs. synchronization in oscillator lattices. Physica D: Nonlinear Phenomena, 2002, 170, 118-130.	2.8	56
186	Quasiperiodically driven Josephson junctions: strange nonchaotic attractors, symmetries and transport. European Physical Journal B, 2002, 26, 219-228.	1.5	28
187	Chapter 9 Phase synchronization: From theory to data analysis. Handbook of Biological Physics, 2001, , 279-321.	0.8	207
188	Resolving Clusters in Chaotic Ensembles of Globally Coupled Identical Oscillators. Physical Review Letters, 2001, 87, 044102.	7.8	82
189	Noise-Induced Dynamics in Bistable Systems with Delay. Physical Review Letters, 2001, 87, 250602.	7.8	285
190	Transition to Coherence in Populations of Coupled Chaotic Oscillators: A Linear Response Approach. Physical Review Letters, 2001, 87, 074101.	7.8	28
191	Lyapunov exponents in disordered chaotic systems: Avoided crossing and level statistics. Physical Review E, 2001, 63, 036213.	2.1	17
192	Comment on "Phase synchronization in discrete chaotic systems". Physical Review E, 2001, 63, 058201.	2.1	6
193	Detecting direction of coupling in interacting oscillators. Physical Review E, 2001, 64, 045202.	2.1	369
194	Comment on "Intermittency in chaotic rotations". Physical Review E, 2001, 64, 058203.	2.1	8
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