Ying-Cheng Lai

List of Publications by Year
in descending order

379 papers	16,284 citations	19657 61 h-index	24258 110 g-index
386 all docs	386 docs citations	386 times ranked	7963 citing authors

#	Article	IF	Citations
1	Cascade-based attacks on complex networks. Physical Review E, 2002, 66, 065102.	2.1	1,335
2	Heterogeneity in Oscillator Networks: Are Smaller Worlds Easier to Synchronize?. Physical Review Letters, 2003, 91, 014101.	7.8	732
3	Exact controllability of complex networks. Nature Communications, 2013, 4, 2447.	12.8	430
4	Onset of traffic congestion in complex networks. Physical Review E, 2005, 71, 026125.	2.1	412
5	Transient phenomena in ecology. Science, 2018, 361, .	12.6	359
6	Controlling Complex Networks: How Much Energy Is Needed?. Physical Review Letters, 2012, 108, 218703.	7.8	317
7	Transient Chaos. Applied Mathematical Sciences (Switzerland), 2011, , .	0.8	294
8	Predicting Catastrophes in Nonlinear Dynamical Systems by Compressive Sensing. Physical Review Letters, 2011, 106, 154101.	7.8	269
9	Data based identification and prediction of nonlinear and complex dynamical systems. Physics Reports, 2016, 644, 1-76.	25.6	268
10	Attack vulnerability of scale-free networks due to cascading breakdown. Physical Review E, 2004, 70, 035101.	2.1	263
11	Generic behavior of master-stability functions in coupled nonlinear dynamical systems. Physical Review E, 2009, 80, 036204.	2.1	226
12	Optimizing controllability of complex networks by minimum structural perturbations. Physical Review E, 2012, 85, 026115.	2.1	202
13	Asymmetrically interacting spreading dynamics on complex layered networks. Scientific Reports, 2014, 4, 5097.	3.3	189
14	Riddling Bifurcation in Chaotic Dynamical Systems. Physical Review Letters, 1996, 77, 55-58.	7.8	179
15	Universal model of individual and population mobility on diverse spatial scales. Nature Communications, 2017, 8, 1639.	12.8	165
16	Reconstructing propagation networks with natural diversity and identifying hidden sources. Nature Communications, 2014, 5, 4323.	12.8	163
17	Noise Bridges Dynamical Correlation and Topology in Coupled Oscillator Networks. Physical Review Letters, 2010, 104, 058701.	7.8	159
18	Synchronization of chaotic trajectories using control. Physical Review E, 1993, 47, 2357-2360.	2.1	136

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19	Abnormal Synchronization in Complex Clustered Networks. Physical Review Letters, 2006, 97, 164101.	7.8	129
20	Optimal weighting scheme for suppressing cascades and traffic congestion in complex networks. Physical Review E, 2009, 79, 026112.	2.1	129
21	Long transients in ecology: Theory and applications. Physics of Life Reviews, 2020, 32, 1-40.	2.8	126
22	Intermingled basins and two-state on-off intermittency. Physical Review E, 1995, 52, R3313-R3316.	2.1	122
23	Chaotic transients in spatially extended systems. Physics Reports, 2008, 460, 245-275.	25.6	114
24	Phase Characterization of Chaos. Physical Review Letters, 1997, 79, 3885-3888.	7.8	113
25	Predicting tipping points in mutualistic networks through dimension reduction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E639-E647.	7.1	111
26	Dynamics of social contagions with memory of nonredundant information. Physical Review E, 2015, 92, 012820.	2.1	110
27	Quantum manifestations of chaotic scattering. Physical Review Letters, 1992, 68, 3491-3494.	7.8	109
28	Blowout Bifurcation Route to Strange Nonchaotic Attractors. Physical Review Letters, 1996, 77, 5039-5042.	7.8	107
29	Tolerance of scale-free networks against attack-induced cascades. Physical Review E, 2005, 72, 025104.	2.1	107
30	A geometrical approach to control and controllability of nonlinear dynamical networks. Nature Communications, 2016, 7, 11323.	12.8	106
31	Epileptic seizures: Quakes of the brain?. Physical Review E, 2010, 82, 021919.	2.1	105
32	Suppression of epidemic spreading in complex networks by local information based behavioral responses. Chaos, 2014, 24, 043106.	2.5	103
33	Coding, Channel Capacity, and Noise Resistance in Communicating with Chaos. Physical Review Letters, 1997, 79, 3787-3790.	7.8	99
34	Network Reconstruction Based on Evolutionary-Game Data via Compressive Sensing. Physical Review X, 2011, 1, .	8.9	97
35	Relativistic quantum level-spacing statistics in chaotic graphene billiards. Physical Review E, 2010, 81, 055203.	2.1	95
36	Enhancing synchronization based on complex gradient networks. Physical Review E, 2007, 75, 056205.	2.1	94

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37	Antiphase synchronism in chaotic systems. Physical Review E, 1998, 58, 382-386.	2.1	93
38	Long-term prediction of chaotic systems with machine learning. Physical Review Research, 2020, 2, .	3.6	92
39	Engineering of regulated stochastic cell fate determination. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10610-10615.	7.1	91
40	Time-seriesâ€“based prediction of complex oscillator networks via compressive sensing. Europhysics Letters, 2011, 94, 48006.	2.0	90
41	Nonlinear Dynamics and Quantum Entanglement in Optomechanical Systems. Physical Review Letters, 2014, 112, 110406.	7.8	90
42	Model-free prediction of spatiotemporal dynamical systems with recurrent neural networks: Role of network spectral radius. Physical Review Research, 2019, 1, .	3.6	89
43	Controlling transient chaos in deterministic flows with applications to electrical power systems and ecology. Physical Review E, 1999, 59, 1646-1655.	2.1	87
44	Controlling chaotic dynamical systems. Systems and Control Letters, 1997, 31, 307-312.	2.3	86
45	Synchronization in complex networks with a modular structure. Chaos, 2006, 16, 015105.	2.5	83
46	Geometric Properties of the Chaotic Saddle Responsible for Supertransients in Spatiotemporal Chaotic Systems. Physical Review Letters, 1995, 74, 5208-5211.	7.8	78
47	Relativistic Quantum Scars. Physical Review Letters, 2009, 103, 054101.	7.8	75
48	Mesoscopic Interactions and Species Coexistence in Evolutionary Game Dynamics of Cyclic Competitions. Scientific Reports, 2014, 4, 7486.	3.3	74
49	A Chirality-Based Quantum Leap. ACS Nano, 2022, 16, 4989-5035.	14.6	74
50	Efficient algorithm for detecting unstable periodic orbits in chaotic systems. Physical Review E, 1999, 60, 6172-6175.	2.1	72
51	Tunneling and Nonhyperbolicity in Quantum Dots. Physical Review Letters, 2002, 88, 236804.	7.8	72
52	Effective scaling regime for computing the correlation dimension from chaotic time series. Physica D: Nonlinear Phenomena, 1998, 115, 1-18.	2.8	71
53	Emergence of scaling in human-interest dynamics. Scientific Reports, 2013, 3, 3472.	3.3	71
54	Detecting hidden nodes in complex networks from time series. Physical Review E, 2012, 85, 065201.	2.1	69

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55	Engineering of a synthetic quadrastable gene network to approach Waddington landscape and cell fate determination. ELife, 2017, 6, .	6.0	67
56	Inability of Lyapunov Exponents to Predict Epileptic Seizures. Physical Review Letters, 2003, 91, 068102.	7.8	66
57	Estimating generating partitions of chaotic systems by unstable periodic orbits. Physical Review E, 2000, 61, 1353-1356.	2.1	65
58	Validity of Threshold-Crossing Analysis of Symbolic Dynamics from Chaotic Time Series. Physical Review Letters, 2000, 85, 3524-3527.	7.8	64
59	Pattern formation, synchronization, and outbreak of biodiversity in cyclically competing games. Physical Review E, 2011, 83, 011917.	2.1	63
60	Exact controllability of multiplex networks. New Journal of Physics, 2014, 16, 103036.	2.9	63
61	Characterization of the Natural Measure by Unstable Periodic Orbits in Chaotic Attractors. Physical Review Letters, 1997, 79, 649-652.	7.8	62
62	Coherence Resonance in Coupled Chaotic Oscillators. Physical Review Letters, 2001, 86, 4737-4740.	7.8	62
63	Capacity of Oscillatory Associative-Memory Networks with Error-Free Retrieval. Physical Review Letters, 2004, 92, 108101.	7.8	61
64	Basins of attraction for species extinction and coexistence in spatial rock-paper-scissors games. Physical Review E, 2010, 81, 030901.	2.1	61
65	Basin topology in dissipative chaotic scattering. Chaos, 2006, 16, 023101.	2.5	60
66	Machine learning prediction of critical transition and system collapse. Physical Review Research, 2021, 3, .	3.6	60
67	Noise-Induced Riddling in Chaotic Systems. Physical Review Letters, 1996, 77, 5047-5050.	7.8	58
68	Closed-Loop Control of Complex Networks: A Trade-Off between Time and Energy. Physical Review Letters, 2017, 119, 198301.	7.8	58
69	Algebraic decay and fluctuations of the decay exponent in Hamiltonian systems. Physical Review A, 1992, 46, 4661-4669.	2.5	57
70	Transition from strange nonchaotic to strange chaotic attractors. Physical Review E, 1996, 53, 57-65.	2.1	57
71	Phase clustering and transition to phase synchronization in a large number of coupled nonlinear oscillators. Physical Review E, 2001, 63, 055201.	2.1	57
72	Effects of behavioral response and vaccination policy on epidemic spreading - an approach based on evolutionary-game dynamics. Scientific Reports, 2015, 4, 5666.	3.3	57

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73	Cyclic competition of mobile species on continuous space: Pattern formation and coexistence. Physical Review E, 2010, 82, 066211.	2.1	56
74	Cascading dynamics on random networks: Crossover in phase transition. Physical Review E, 2012, 85, 026110.	2.1	56
75	Modeling of Coupled Chaotic Oscillators. Physical Review Letters, 1999, 82, 4803-4806.	7.8	55
76	An Efficient Immunization Strategy for Community Networks. PLoS ONE, 2013, 8, e83489.	2.5	55
77	Physical controllability of complex networks. Scientific Reports, 2017, 7, 40198.	3.3	52
78	Fractal dimension in dissipative chaotic scattering. Physical Review E, 2007, 76, 016208.	2.1	51
79	Cascade of elimination and emergence of pure cooperation in coevolutionary games on networks. Physical Review E, 2010, 81, 035102.	2.1	51
80	Correlation dimension and integral do not predict epileptic seizures. Chaos, 2005, 15, 033106.	2.5	50
81	Effect of epidemic spreading on species coexistence in spatial rock-paper-scissors games. Physical Review E, 2010, 81, 046113.	2.1	50
82	Observations on the Application of the Correlation Dimension and Correlation Integral to the Prediction of Seizures. Journal of Clinical Neurophysiology, 2001, 18, 269-274.	1.7	49
83	Cascading failures and the emergence of cooperation in evolutionary-game based models of social and economical networks. Chaos, 2011, 21, 033112.	2.5	49
84	Robustness of chimera states in complex dynamical systems. Scientific Reports, 2013, 3, 3522.	3.3	49
85	Riddled parameter space in spatiotemporal chaotic dynamical systems. Physical Review Letters, 1994, 72, 1640-1643.	7.8	48
86	Modeling of deterministic chaotic systems. Physical Review E, 1999, 59, 2907-2910.	2.1	48
87	Symmetry-breaking bifurcation with on-off intermittency in chaotic dynamical systems. Physical Review E, 1996, 53, R4267-R4270.	2.1	47
88	Controlled test for predictive power of Lyapunov exponents: Their inability to predict epileptic seizures. Chaos, 2004, 14, 630-642.	2.5	47
89	Partial cross mapping eliminates indirect causal influences. Nature Communications, 2020, 11, 2632.	12.8	47
90	Quantum manifestation of a synchronization transition in optomechanical systems. Physical Review A, 2014, 90, .	2.5	46

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91	Understanding and preventing cascading breakdown in complex clustered networks. Physical Review E, 2008, 78, 036116.	2.1	45
92	Role of intraspecific competition in the coexistence of mobile populations in spatially extended ecosystems. Chaos, 2010, 20, 023113.	2.5	45
93	Energy scaling and reduction in controlling complex networks. Royal Society Open Science, 2016, 3, 160064.	2.4	45
94	The â€œweakâ€•interdependence of infrastructure systems produces mixed percolation transitions in multilayer networks. Scientific Reports, 2018, 8, 2111.	3.3	45
95	Experimental Observation of Superpersistent Chaotic Transients. Physical Review Letters, 2001, 86, 4017-4020.	7.8	44
96	Uncovering hidden nodes in complex networks in the presence of noise. Scientific Reports, 2014, 4, 3944.	3.3	44
97	Emergence of unusual coexistence states in cyclic game systems. Scientific Reports, 2017, 7, 7465.	3.3	44
98	Management implications of long transients in ecological systems. Nature Ecology and Evolution, 2021, 5, 285-294.	7.8	44
99	Peer pressure: Enhancement of cooperation through mutual punishment. Physical Review E, 2015, 91, 022121.	2.1	43
100	Controlling chaos in high dimensions. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 971-975.	0.1	41
101	Noise-induced unstable dimension variability and transition to chaos in random dynamical systems. Physical Review E, 2003, 67, 026210.	2.1	41
102	Abnormal cascading on complex networks. Physical Review E, 2009, 80, 036109.	2.1	41
103	Transportation dynamics on networks of mobile agents. Physical Review E, 2011, 83, 016102.	2.1	41
104	Bifurcation to strange nonchaotic attractors. Physical Review E, 1997, 56, 1623-1630.	2.1	40
105	Scaling of noisy fluctuations in complex networks and applications to network prediction. Physical Review E, 2009, 80, 016116.	2.1	39
106	Converting transient chaos into sustained chaos by feedback control. Physical Review E, 1994, 49, 1094-1098.	2.1	38
107	Strange Nonchaotic Attractors in Random Dynamical Systems. Physical Review Letters, 2004, 92, 074102.	7.8	38
108	Transition to global synchronization in clustered networks. Physical Review E, 2008, 77, 046211.	2.1	38

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109	Extensively Chaotic Motion in Electrostatically Driven Nanowires and Applications. Nano Letters, 2010, 10, 406-413.	9.1	38
110	Quantum chaotic scattering in graphene systems. Europhysics Letters, 2011, 94, 40004.	2.0	38
111	Relativistic quantum chaos. Physics Reports, 2018, 753, 1-128.	25.6	38
112	Dynamics of coding in communicating with chaos. Physical Review E, 1998, 58, 1724-1736.	2.1	37
113	Analyses of transient chaotic time series. Physical Review E, 2001, 64, 056207.	2.1	37
114	Spatiotemporal Patterns and Predictability of Cyberattacks. PLoS ONE, 2015, 10, e0124472.	2.5	37
115	Extreme sensitive dependence on parameters and initial conditions in spatio-temporal chaotic dynamical systems. Physica D: Nonlinear Phenomena, 1994, 74, 353-371.	2.8	36
116	Characterization of Synchrony with Applications to Epileptic Brain Signals. Physical Review Letters, 2007, 98, 108102.	7.8	36
117	Chiral Scars in Chaotic Dirac Fermion Systems. Physical Review Letters, 2013, 110, 064102.	7.8	36
118	Noise Promotes Species Diversity in Nature. Physical Review Letters, 2005, 94, 038102.	7.8	35
119	Detection of time delays and directional interactions based on time series from complex dynamical systems. Physical Review E, 2017, 96, 012221.	2.1	35
120	Explosive spreading on complex networks: The role of synergy. Physical Review E, 2017, 95, 042320.	2.1	35
121	Correlation-dimension and autocorrelation fluctuations in epileptic seizure dynamics. Physical Review E, 2002, 65, 031921.	2.1	34
122	Basins of coexistence and extinction in spatially extended ecosystems of cyclically competing species. Chaos, 2010, 20, 045116.	2.5	34
123	Equivalence and its invalidation between non-Markovian and Markovian spreading dynamics on complex networks. Nature Communications, 2019, 10, 3748.	12.8	34
124	Scaling behavior of transition to chaos in quasiperiodically driven dynamical systems. Physical Review E, 1996, 54, 6070-6073.	2.1	33
125	Critical Exponent for Gap Filling at Crisis. Physical Review Letters, 1996, 77, 3102-3105.	7.8	33
126	Driving trajectories to a desirable attractor by using small control. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 221, 375-383.	2.1	32

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127	Scaling and correlation of human movements in cyberspace and physical space. Physical Review E, 2014, 90, 050802.	2.1	32
128	Statistical inference approach to structural reconstruction of complex networks from binary time series. Physical Review E, 2018, 97, 022301.	2.1	32
129	Harnessing tipping points in complex ecological networks. Journal of the Royal Society Interface, 2019, 16, 20190345.	3.4	32
130	Anticipating synchronization with machine learning. Physical Review Research, 2021, 3, .	3.6	32
131	Noise scaling of phase synchronization of chaos. Physical Review E, 2000, 61, 3230-3233.	2.1	31
132	Topological scaling and gap filling at crisis. Physical Review E, 2000, 61, 5019-5032.	2.1	31
133	Crisis in chaotic scattering. Physical Review Letters, 1993, 71, 2212-2215.	7.8	30
134	Distinct small-distance scaling behavior of on-off intermittency in chaotic dynamical systems. Physical Review E, 1996, 54, 321-327.	2.1	30
135	Detecting unstable periodic orbits from transient chaotic time series. Physical Review E, 2000, 61, 6485-6489.	2.1	30
136	Characteristics of level-spacing statistics in chaotic graphene billiards. Chaos, 2011, 21, 013102.	2.5	30
137	Persistent coexistence of cyclically competing species in spatially extended ecosystems. Chaos, 2013, 23, 023128.	2.5	30
138	Emergence of multicluster chimera states. Scientific Reports, 2015, 5, 12988.	3.3	30
139	Extreme events in multilayer, interdependent complex networks and control. Scientific Reports, 2015, 5, 17277.	3.3	30
140	Detecting and characterizing phase synchronization in nonstationary dynamical systems. Physical Review E, 2006, 73, 026214.	2.1	29
141	Modulating quantum transport by transient chaos. Applied Physics Letters, 2012, 100, .	3.3	29
142	Universal formalism of Fano resonance. AIP Advances, 2015, 5, .	1.3	29
143	Transition to Chaos in Continuous-Time Random Dynamical Systems. Physical Review Letters, 2002, 88, 124101.	7.8	28
144	Complex networks: Dynamics and security. Pramana - Journal of Physics, 2005, 64, 483-502.	1.8	28

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145	Inducing Chaos by Resonant Perturbations: Theory and Experiment. Physical Review Letters, 2005, 94, 214101.	7.8	28
146	Controlling complex, non-linear dynamical networks. National Science Review, 2014, 1, 339-341.	9.5	28
147	Universal data-based method for reconstructing complex networks with binary-state dynamics. Physical Review E, 2017, 95, 032303.	2.1	28
148	Universal framework for edge controllability of complex networks. Scientific Reports, 2017, 7, 4224.	3.3	28
149	Optimal localization of diffusion sources in complex networks. Royal Society Open Science, 2017, 4, 170091.	2.4	28
150	Predicting phase and sensing phase coherence in chaotic systems with machine learning. Chaos, 2020, 30, 083114.	2.5	28
151	Data Based Reconstruction of Duplex Networks. SIAM Journal on Applied Dynamical Systems, 2020, 19, 124-150.	1.6	28
152	Unstable dimension variability in coupled chaotic systems. Physical Review E, 1999, 60, 5445-5454.	2.1	27
153	Controlling extreme events on complex networks. Scientific Reports, 2014, 4, 6121.	3.3	27
154	Data-based reconstruction of complex geospatial networks, nodal positioning and detection of hidden nodes. Royal Society Open Science, 2016, 3, 150577.	2.4	27
155	Chaos in Dirac Electron Optics: Emergence of a Relativistic Quantum Chimera. Physical Review Letters, 2018, 120, 124101.	7.8	27
156	Irrelevance of linear controllability to nonlinear dynamical networks. Nature Communications, 2019, 10, 3961.	12.8	27
157	Anomalous role of information diffusion in epidemic spreading. Physical Review Research, 2021, 3, .	3.6	27
158	Full reconstruction of simplicial complexes from binary contagion and Ising data. Nature Communications, 2022, 13, .	12.8	27
159	EXPERIMENTAL OBSERVATION OF LAG SYNCHRONIZATION IN COUPLED CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2587-2594.	1.7	26
160	Multi-armed spirals and multi-pairs antispirals in spatial rockâ€“paperâ€“scissors games. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2292-2297.	2.1	26
161	Revival resonant scattering, perfect caustics, and isotropic transport of pseudospin-1 particles. Physical Review B, 2016, 94, .	3.2	26
162	Inducing Chaos in Electronic Circuits by Resonant Perturbations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1109-1119.	0.1	25

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163	Relativistic quantum chaosâ€”An emergent interdisciplinary field. Chaos, 2018, 28, 052101.	2.5	25
164	Machine learning dynamical phase transitions in complex networks. Physical Review E, 2019, 100, 052312.	2.1	25
165	Effects of stochasticity on the length and behaviour of ecological transients. Journal of the Royal Society Interface, 2021, 18, 20210257.	3.4	25
166	Optimization of synchronization in gradient clustered networks. Physical Review E, 2007, 76, 056113.	2.1	24
167	Dynamical mechanism for coexistence of dispersing species without trade-offs in spatially extended ecological systems. Physical Review E, 2001, 63, 051905.	2.1	23
168	Forecasting synchronizability of complex networks from data. Physical Review E, 2012, 85, 056220.	2.1	23
169	Traffic-driven epidemic spreading in correlated networks. Physical Review E, 2015, 91, 062817.	2.1	23
170	Interplay of Lorentz-Berry forces in position-momentum spaces for valley-dependent impurity scattering in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^’</mml:mo><mml:msub><mml:m lattices. Physical Review B, 2019, 99, .	3.2	23
171	Riddling of Chaotic Sets in Periodic Windows. Physical Review Letters, 1999, 83, 2926-2929.	7.8	22
172	Alternating synchronizability of complex clustered networks with regular local structure. Physical Review E, 2008, 77, 016103.	2.1	22
173	Scarring of Dirac fermions in chaotic billiards. Physical Review E, 2012, 86, 016702.	2.1	22
174	Unified underpinning of human mobility in the real world and cyberspace. New Journal of Physics, 2016, 18, 053025.	2.9	22
175	Locating multiple diffusion sources in time varying networks from sparse observations. Scientific Reports, 2018, 8, 2685.	3.3	22
176	Emergence of an optimal temperature in action-potential propagation through myelinated axons. Physical Review E, 2019, 100, 032416.	2.1	22
177	Tipping point and noise-induced transients in ecological networks. Journal of the Royal Society Interface, 2020, 17, 20200645.	3.4	22
178	Adaptable Hamiltonian neural networks. Physical Review Research, 2021, 3, .	3.6	22
179	Phase diagrams of interacting spreading dynamics in complex networks. Physical Review Research, 2020, 2, .	3.6	22
180	Basin bifurcation in quasiperiodically forced systems. Physical Review E, 1998, 58, 3060-3066.	2.1	21

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181	Unexpected robustness against noise of a class of nonhyperbolic chaotic attractors. Physical Review E, 2002, 65, 026209.	2.1	21
182	Superpersistent Chaotic Transients in Physical Space: Advective Dynamics of Inertial Particles in Open Chaotic Flows under Noise. Physical Review Letters, 2003, 91, 224101.	7.8	21
183	Oscillatory associative memory network with perfect retrieval. Physica D: Nonlinear Phenomena, 2004, 197, 134-148.	2.8	21
184	Desynchronization and on-off intermittency in complex networks. Europhysics Letters, 2009, 88, 28001.	2.0	21
185	Harnessing quantum transport by transient chaos. Chaos, 2013, 23, 013125.	2.5	21
186	Geometric valley Hall effect and valley filtering through a singular Berry flux. Physical Review B, 2017, 96, .	3.2	21
187	Injury prediction as a non-linear system. Physical Therapy in Sport, 2020, 41, 43-48.	1.9	21
188	Predicting amplitude death with machine learning. Physical Review E, 2021, 104, 014205.	2.1	21
189	Crisis and enhancement of chaotic scattering. Physical Review E, 1994, 49, 3761-3770.	2.1	20
190	Topology of high-dimensional chaotic scattering. Physical Review E, 2000, 62, 6421-6428.	2.1	20
191	Experimental observation of generalized time-lagged chaotic synchronization. Physical Review E, 2001, 64, 045205.	2.1	20
192	Extraordinarily superpersistent chaotic transients. Europhysics Letters, 2004, 67, 914-920.	2.0	20
193	Characterization of nonstationary chaotic systems. Physical Review E, 2008, 77, 026208.	2.1	20
194	Quasipotential approach to critical scaling in noise-induced chaos. Physical Review E, 2010, 81, 056208.	2.1	20
195	Autapses promote synchronization in neuronal networks. Scientific Reports, 2018, 8, 580.	3.3	20
196	Controlling on-off intermittent dynamics. Physical Review E, 1996, 54, 1190-1199.	2.1	19
197	Dynamical Mechanism for Coexistence of Dispersing Species. Journal of Theoretical Biology, 2001, 213, 53-72.	1.7	19
198	Noise-enhanced temporal regularity in coupled chaotic oscillators. Physical Review E, 2001, 64, 066202.	2.1	19

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199	Gaussian orthogonal ensemble statistics in graphene billiards with the shape of classically integrable billiards. Physical Review E, 2016, 94, 062214.	2.1	19
200	Multistability, chaos, and random signal generation in semiconductor superlattices. Physical Review E, 2016, 93, 062204.	2.1	19
201	Synergistic interactions promote behavior spreading and alter phase transitions on multiplex networks. Physical Review E, 2018, 97, 022311.	2.1	19
202	Asymmetry in interdependence makes a multilayer system more robust against cascading failures. Physical Review E, 2019, 100, 052306.	2.1	19
203	Selection of a desirable chaotic phase using small feedback control. Physical Review E, 1995, 51, 3842-3848.	2.1	18
204	Analytic signals and the transition to chaos in deterministic flows. Physical Review E, 1998, 58, R6911-R6914.	2.1	18
205	Emergence of grouping in multi-resource minority game dynamics. Scientific Reports, 2012, 2, 703.	3.3	18
206	Conductance fluctuations in graphene systems: The relevance of classical dynamics. Physical Review B, 2012, 85, .	3.2	17
207	Universality of flux-fluctuation law in complex dynamical systems. Physical Review E, 2013, 87, 012808.	2.1	17
208	Universal flux-fluctuation law in small systems. Scientific Reports, 2014, 4, 6787.	3.3	17
209	Directed dynamical influence is more detectable with noise. Scientific Reports, 2016, 6, 24088.	3.3	17
210	Nonequilibrium transport in the pseudospin-1 Dirac-Weyl system. Physical Review B, 2017, 96, .	3.2	17
211	Non-Markovian recovery makes complex networks more resilient against large-scale failures. Nature Communications, 2020, 11, 2490.	12.8	17
212	Abrupt bifurcation to chaotic scattering with discontinuous change in fractal dimension. Physical Review E, 1999, 60, R6283-R6286.	2.1	16
213	BIFURCATION TO HIGH-DIMENSIONAL CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1471-1483.	1.7	16
214	Perturbed on-off intermittency. Physical Review E, 2001, 64, 016220.	2.1	16
215	Complex dynamics in nanosystems. Physical Review E, 2013, 87, 052911.	2.1	16
216	Transient chaos - a resolution of breakdown of quantum-classical correspondence in optomechanics. Scientific Reports, 2016, 6, 35381.	3.3	16

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217	Reconstructing direct and indirect interactions in networked public goods game. Scientific Reports, 2016, 6, 30241.	3.3	16
218	Quasiperiodicity and suppression of multistability in nonlinear dynamical systems. European Physical Journal: Special Topics, 2017, 226, 1703-1719.	2.6	16
219	Superscattering of a pseudospin-1 wave in a photonic lattice. Physical Review A, 2017, 95, .	2.5	16
220	Sparse dynamical Boltzmann machine for reconstructing complex networks with binary dynamics. Physical Review E, 2018, 97, 032317.	2.1	16
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