

# D JÃ¼rgen Kurths

## List of Publications by Year in descending order

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1,002  
papers

67,506  
citations

1094

112  
h-index

1561

217  
g-index

1027  
all docs

1027  
docs citations

1027  
times ranked

26503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronization in complex networks. <i>Physics Reports</i> , 2008, 469, 93-153.	10.3	2,928
2	Recurrence plots for the analysis of complex systems. <i>Physics Reports</i> , 2007, 438, 237-329.	10.3	2,809
3	Phase Synchronization of Chaotic Oscillators. <i>Physical Review Letters</i> , 1996, 76, 1804-1807.	2.9	2,475
4	The synchronization of chaotic systems. <i>Physics Reports</i> , 2002, 366, 1-101.	10.3	2,314
5	Coherence Resonance in a Noise-Driven Excitable System. <i>Physical Review Letters</i> , 1997, 78, 775-778.	2.9	1,515
6	Detection of Phase Locking from Noisy Data: Application to Magnetoencephalography. <i>Physical Review Letters</i> , 1998, 81, 3291-3294.	2.9	1,279
7	From Phase to Lag Synchronization in Coupled Chaotic Oscillators. <i>Physical Review Letters</i> , 1997, 78, 4193-4196.	2.9	1,161
8	Second-Order Consensus for Multiagent Systems With Directed Topologies and Nonlinear Dynamics. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010, 40, 881-891.	5.5	891
9	Recurrence-plot-based measures of complexity and their application to heart-rate-variability data. <i>Physical Review E</i> , 2002, 66, 026702.	0.8	775
10	Heartbeat synchronized with ventilation. <i>Nature</i> , 1998, 392, 239-240.	13.7	656
11	The Kuramoto model in complex networks. <i>Physics Reports</i> , 2016, 610, 1-98.	10.3	633
12	Complex network approach for recurrence analysis of time series. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 4246-4254.	0.9	501
13	Phase synchronization of chaotic oscillators by external driving. <i>Physica D: Nonlinear Phenomena</i> , 1997, 104, 219-238.	1.3	497
14	Recurrence networks—a novel paradigm for nonlinear time series analysis. <i>New Journal of Physics</i> , 2010, 12, 033025.	1.2	489
15	Network synchronization, diffusion, and the paradox of heterogeneity. <i>Physical Review E</i> , 2005, 71, 016116.	0.8	455
16	Cross wavelet analysis: significance testing and pitfalls. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 505-514.	0.6	455
17	Hierarchical Organization Unveiled by Functional Connectivity in Complex Brain Networks. <i>Physical Review Letters</i> , 2006, 97, 238103.	2.9	426
18	How basin stability complements the linear-stability paradigm. <i>Nature Physics</i> , 2013, 9, 89-92.	6.5	426

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19	Quantitative analysis of heart rate variability. Chaos, 1995, 5, 88-94.	1.0	425
20	Complex networks in climate dynamics. European Physical Journal: Special Topics, 2009, 174, 157-179.	1.2	416
21	Nonlinear analysis of bivariate data with cross recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 299-307.	0.9	383
22	Synchronization Control for Nonlinear Stochastic Dynamical Networks: Pinning Impulsive Strategy. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 285-292.	7.2	371
23	Complex network approaches to nonlinear time series analysis. Physics Reports, 2019, 787, 1-97.	10.3	370
24	Exponential Synchronization of Linearly Coupled Neural Networks With Impulsive Disturbances. IEEE Transactions on Neural Networks, 2011, 22, 329-336.	4.8	367
25	RECURRENCE-BASED TIME SERIES ANALYSIS BY MEANS OF COMPLEX NETWORK METHODS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1019-1046.	0.7	350
26	Quasi-synchronization of heterogeneous dynamic networks via distributed impulsive control: Error estimation, optimization and design. Automatica, 2015, 62, 249-262.	3.0	350
27	The backbone of the climate network. Europhysics Letters, 2009, 87, 48007.	0.7	347
28	Dynamical Weights and Enhanced Synchronization in Adaptive Complex Networks. Physical Review Letters, 2006, 96, 164102.	2.9	346
29	Oscillation quenching mechanisms: Amplitude vs. oscillation death. Physics Reports, 2013, 531, 173-199.	10.3	340
30	Distributed Adaptive Control of Synchronization in Complex Networks. IEEE Transactions on Automatic Control, 2012, 57, 2153-2158.	3.6	323
31	Synchronization in Oscillatory Networks. Springer Series in Synergetics, 2007, , .	0.2	321
32	How dead ends undermine power grid stability. Nature Communications, 2014, 5, 3969.	5.8	318
33	Enhancing complex-network synchronization. Europhysics Letters, 2005, 69, 334-340.	0.7	316
34	Universality in the Synchronization of Weighted Random Networks. Physical Review Letters, 2006, 96, 034101.	2.9	301
35	Leader-following consensus of a class of stochastic delayed multi-agent systems with partial mixed impulses. Automatica, 2015, 53, 346-354.	3.0	285
36	Synchronization in the human cardiorespiratory system. Physical Review E, 1999, 60, 857-870.	0.8	280

#	ARTICLE	IF	CITATIONS
37	Array-Enhanced Coherence Resonance: Nontrivial Effects of Heterogeneity and Spatial Independence of Noise. <i>Physical Review Letters</i> , 2001, 87, 098101.	2.9	274
38	Synchronization in complex networks and its application – A survey of recent advances and challenges. <i>Annual Reviews in Control</i> , 2014, 38, 184-198.	4.4	274
39	A new color image encryption scheme based on DNA sequences and multiple improved 1D chaotic maps. <i>Applied Soft Computing Journal</i> , 2015, 37, 24-39.	4.1	273
40	Cortical hubs form a module for multisensory integration on top of the hierarchy of cortical networks. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 1.	1.3	272
41	Distributed Synchronization in Networks of Agent Systems With Nonlinearities and Random Switchings. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 358-370.	6.2	271
42	Distributed Higher Order Consensus Protocols in Multiagent Dynamical Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011, 58, 1924-1932.	3.5	258
43	NONLINEAR DYNAMICAL SYSTEM IDENTIFICATION FROM UNCERTAIN AND INDIRECT MEASUREMENTS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 1905-1933.	0.7	251
44	Escaping the Curse of Dimensionality in Estimating Multivariate Transfer Entropy. <i>Physical Review Letters</i> , 2012, 108, 258701.	2.9	247
45	Magnetic fields near Mars: first results. <i>Nature</i> , 1989, 341, 604-607.	13.7	246
46	Complex networks reveal global pattern of extreme-rainfall teleconnections. <i>Nature</i> , 2019, 566, 373-377.	13.7	241
47	Phase synchronization effects in a lattice of nonidentical Rössler oscillators. <i>Physical Review E</i> , 1997, 55, 2353-2361.	0.8	239
48	Tracking Control of Networked Multi-Agent Systems Under New Characterizations of Impulses and Its Applications in Robotic Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 1299-1307.	5.2	238
49	A comparative classification of complexity measures. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 133-173.	2.5	232
50	Complex network analysis of time series. <i>Europhysics Letters</i> , 2016, 116, 50001.	0.7	230
51	Leader-Following Consensus of Nonlinear Multiagent Systems With Stochastic Sampling. <i>IEEE Transactions on Cybernetics</i> , 2016, 47, 1-12.	6.2	230
52	Color image DNA encryption using NCA map-based CML and one-time keys. <i>Signal Processing</i> , 2018, 148, 272-287.	2.1	229
53	Interacting tipping elements increase risk of climate domino effects under global warming. <i>Earth System Dynamics</i> , 2021, 12, 601-619.	2.7	227
54	Nonlinear analysis of complex phenomena in cardiological data. <i>Herzschrittmachertherapie Und Elektrophysiologie</i> , 2000, 11, 159-173.	0.3	223

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55	Analysis of spatial and temporal extreme monsoonal rainfall over South Asia using complex networks. <i>Climate Dynamics</i> , 2012, 39, 971-987.	1.7	220
56	Evidence for a bimodal distribution in human communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18803-18808.	3.3	219
57	Noise-Induced Phase Synchronization and Synchronization Transitions in Chaotic Oscillators. <i>Physical Review Letters</i> , 2002, 88, 230602.	2.9	216
58	Synchronization in a population of globally coupled chaotic oscillators. <i>Europhysics Letters</i> , 1996, 34, 165-170.	0.7	211
59	Influence of observational noise on the recurrence quantification analysis. <i>Physica D: Nonlinear Phenomena</i> , 2002, 171, 138-152.	1.3	210
60	Attractor-Repeller Collision and Eyelet Intermittency at the Transition to Phase Synchronization. <i>Physical Review Letters</i> , 1997, 79, 47-50.	2.9	209
61	Nonlinear detection of paleoclimate-variability transitions possibly related to human evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20422-20427.	3.3	208
62	Identifying causal gateways and mediators in complex spatio-temporal systems. <i>Nature Communications</i> , 2015, 6, 8502.	5.8	207
63	PHASE SYNCHRONIZATION IN REGULAR AND CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 2291-2305.	0.7	204
64	Sampled-Data Consensus of Linear Multi-agent Systems With Packet Losses. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2516-2527.	7.2	204
65	Comparison of correlation analysis techniques for irregularly sampled time series. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 389-404.	0.6	201
66	Onymity promotes cooperation in social dilemma experiments. <i>Science Advances</i> , 2017, 3, e1601444.	4.7	199
67	Prediction of extreme floods in the eastern Central Andes based on a complex networks approach. <i>Nature Communications</i> , 2014, 5, 5199.	5.8	197
68	PINNING IMPULSIVE STABILIZATION OF NONLINEAR DYNAMICAL NETWORKS WITH TIME-VARYING DELAY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250176.	0.7	195
69	Modification of Brain Oscillations via Rhythmic Light Stimulation Provides Evidence for Entrainment but Not for Superposition of Event-Related Responses. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 10.	1.0	187
70	Synchronization of two interacting populations of oscillators. <i>Physical Review E</i> , 2004, 70, 056125.	0.8	180
71	Dynamic Analysis of Digital Chaotic Maps via State-Mapping Networks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 2322-2335.	3.5	180
72	Vibrational resonance and vibrational propagation in excitable systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 312, 348-354.	0.9	172

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73	Detection of synchronization for non-phase-coherent and non-stationary data. Europhysics Letters, 2005, 71, 466-472.	0.7	171
74	COntstructing Proxy Records from Age models (COPRA). Climate of the Past, 2012, 8, 1765-1779.	1.3	171
75	Complex networks identify spatial patterns of extreme rainfall events of the South American Monsoon System. Geophysical Research Letters, 2013, 40, 4386-4392.	1.5	171
76	Investigating the topology of interacting networks. European Physical Journal B, 2011, 84, 635-651.	0.6	165
77	Burst synchronization transitions in a neuronal network of subnetworks. Chaos, 2011, 21, 016110.	1.0	165
78	Classifying cardiac biosignals using ordinal pattern statistics and symbolic dynamics. Computers in Biology and Medicine, 2012, 42, 319-327.	3.9	162
79	Distributed Robust Synchronization of Dynamical Networks With Stochastic Coupling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1508-1519.	3.5	162
80	Explosive synchronization in a general complex network. Physical Review E, 2013, 88, 010802.	0.8	160
81	Noise-induced synchronization and coherence resonance of a Hodgkin-Huxley model of thermally sensitive neurons. Chaos, 2003, 13, 401-409.	1.0	157
82	Consensus over directed static networks with arbitrary finite communication delays. Physical Review E, 2009, 80, 066121.	0.8	156
83	Short-term forecasting of life-threatening cardiac arrhythmias based on symbolic dynamics and finite-time growth rates. Physical Review E, 2000, 61, 733-739.	0.8	153
84	Transition from Amplitude to Oscillation Death via Turing Bifurcation. Physical Review Letters, 2013, 111, 024103.	2.9	149
85	Three Types of Transitions to Phase Synchronization in Coupled Chaotic Oscillators. Physical Review Letters, 2003, 91, 024101.	2.9	146
86	Estimation of dynamical invariants without embedding by recurrence plots. Chaos, 2004, 14, 234-243.	1.0	146
87	Challenges in network science: Applications to infrastructures, climate, social systems and economics. European Physical Journal: Special Topics, 2012, 214, 273-293.	1.2	146
88	Event-Triggering Containment Control for a Class of Multi-Agent Networks With Fixed and Switching Topologies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 619-629.	3.5	146
89	Structure-function relationship in complex brain networks expressed by hierarchical synchronization. New Journal of Physics, 2007, 9, 178-178.	1.2	145
90	An attractor in a solar time series. Physica D: Nonlinear Phenomena, 1987, 25, 165-172.	1.3	143

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91	Synchronization in networks of mobile oscillators. <i>Physical Review E</i> , 2011, 83, 025101.	0.8	142
92	Single impulsive controller for globally exponential synchronization of dynamical networks. <i>Nonlinear Analysis: Real World Applications</i> , 2013, 14, 581-593.	0.9	142
93	Alternating Locking Ratios in Imperfect Phase Synchronization. <i>Physical Review Letters</i> , 1999, 82, 4228-4231.	2.9	140
94	Phase Synchronization in Ensembles of Bursting Oscillators. <i>Physical Review Letters</i> , 2004, 93, 134101.	2.9	138
95	Cluster Explosive Synchronization in Complex Networks. <i>Physical Review Letters</i> , 2013, 110, 218701.	2.9	134
96	Evolutionary Pinning Control and Its Application in UAV Coordination. <i>IEEE Transactions on Industrial Informatics</i> , 2012, 8, 828-838.	7.2	133
97	Multivariate recurrence plots. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 214-223.	0.9	132
98	Cortical functional connectivity networks in normal and spinal cord injured patients: Evaluation by graph analysis. <i>Human Brain Mapping</i> , 2007, 28, 1334-1346.	1.9	131
99	Quantifying the Strength and Delay of Climatic Interactions: The Ambiguities of Cross Correlation and a Novel Measure Based on Graphical Models. <i>Journal of Climate</i> , 2014, 27, 720-739.	1.2	131
100	Restoration of rhythmicity in diffusively coupled dynamical networks. <i>Nature Communications</i> , 2015, 6, 7709.	5.8	131
101	Doubly Stochastic Resonance. <i>Physical Review Letters</i> , 2000, 85, 227-231.	2.9	129
102	Spatial coherence resonance on diffusive and small-world networks of Hodgkin-Huxley neurons. <i>Chaos</i> , 2008, 18, 023102.	1.0	129
103	How much information is contained in a recurrence plot?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 343-349.	0.9	126
104	The geometry of chaotic dynamics – a complex network perspective. <i>European Physical Journal B</i> , 2011, 84, 653-672.	0.6	126
105	Strange non-chaotic attractor in a quasiperiodically forced circle map. <i>Physica D: Nonlinear Phenomena</i> , 1995, 88, 176-186.	1.3	125
106	Reconstruction of non-linear time delay models from data by the use of optimal transformations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 234, 336-344.	0.9	122
107	Comparing modern and Pleistocene ENSO-like influences in NW Argentina using nonlinear time series analysis methods. <i>Climate Dynamics</i> , 2003, 21, 317-326.	1.7	122
108	Twin surrogates to test for complex synchronisation. <i>Europhysics Letters</i> , 2006, 75, 535-541.	0.7	122

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109	Synchronization of complex dynamical networks with time delays. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 361, 24-34.	1.2	120
110	Noise-Enhanced Phase Synchronization of Chaotic Oscillators. <i>Physical Review Letters</i> , 2002, 89, 014101.	2.9	117
111	Structural and functional clusters of complex brain networks. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 202-212.	1.3	116
112	Pinning Distributed Synchronization of Stochastic Dynamical Networks: A Mixed Optimization Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 1804-1815.	7.2	116
113	Quantifying causal coupling strength: A lag-specific measure for multivariate time series related to transfer entropy. <i>Physical Review E</i> , 2012, 86, 061121.	0.8	114
114	Ambiguities in recurrence-based complex network representations of time series. <i>Physical Review E</i> , 2010, 81, 015101.	0.8	113
115	Inner Composition Alignment for Inferring Directed Networks from Short Time Series. <i>Physical Review Letters</i> , 2011, 107, 054101.	2.9	113
116	Basin of Attraction Determines Hysteresis in Explosive Synchronization. <i>Physical Review Letters</i> , 2014, 112, 114102.	2.9	110
117	Estimation of the direction of the coupling by conditional probabilities of recurrence. <i>Physical Review E</i> , 2007, 76, 036211.	0.8	108
118	Pinning Synchronization in Fuzzy Complex Networks With Partial and Discrete-Time Couplings. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1274-1285.	6.5	108
119	Partial Phase Synchronization for Multivariate Synchronizing Systems. <i>Physical Review Letters</i> , 2006, 96, 208103.	2.9	107
120	Reliability of Inference of Directed Climate Networks Using Conditional Mutual Information. <i>Entropy</i> , 2013, 15, 2023-2045.	1.1	107
121	Line structures in recurrence plots. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 336, 349-357.	0.9	103
122	A deforestation-induced tipping point for the South American monsoon system. <i>Scientific Reports</i> , 2017, 7, 41489.	1.6	103
123	Influence of paced maternal breathing on fetal-maternal heart rate coordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13661-13666.	3.3	102
124	Generalised recurrence plot analysis for spatial data. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 360, 545-551.	0.9	101
125	Secure and Energy-Efficient Data Transmission System Based on Chaotic Compressive Sensing in Body-to-Body Networks. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2017, 11, 558-573.	2.7	101
126	Cooperative differentiation through clustering in multicellular populations. <i>Journal of Theoretical Biology</i> , 2010, 263, 189-202.	0.8	98



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127	A Constrained Evolutionary Computation Method for Detecting Controlling Regions of Cortical Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1569-1581.	1.9	97
128	Multiparametric Analysis of Heart Rate Variability Used for Risk Stratification Among Survivors of Acute Myocardial Infarction. PACE - Pacing and Clinical Electrophysiology, 1998, 21, 186-196.	0.5	96
129	Analytical framework for recurrence network analysis of time series. Physical Review E, 2012, 85, 046105.	0.8	96
130	The application of methods of non-linear dynamics for the improved and predictive recognition of patients threatened by sudden cardiac death. Cardiovascular Research, 1996, 31, 419-33.	1.8	96
131	Phase-flip bifurcation induced by time delay. Physical Review E, 2006, 74, 035204.	0.8	94
132	NONLINEAR METHODS OF CARDIOVASCULAR PHYSICS AND THEIR CLINICAL APPLICABILITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3325-3371.	0.7	94
133	The South American rainfall dipole: A complex network analysis of extreme events. Geophysical Research Letters, 2014, 41, 7397-7405.	1.5	94
134	Recurrence plots 25 years later – Gaining confidence in dynamical transitions. Europhysics Letters, 2013, 101, 20007.	0.7	93
135	Phase synchronization in driven and coupled chaotic oscillators. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 874-881.	0.1	92
136	Exploring Brain Function from Anatomical Connectivity. Frontiers in Neuroscience, 2011, 5, 83.	1.4	92
137	Synchronization in dynamical networks: Evolution along commutative graphs. Physical Review E, 2006, 74, 016102.	0.8	91
138	Phase synchronization in the forced Lorenz system. Physical Review E, 1999, 60, 6627-6638.	0.8	90
139	Epochs of phase coherence between El NiÑ±o/Southern Oscillation and Indian monsoon. Geophysical Research Letters, 2005, 32, .	1.5	88
140	Wavelet Analysis of Solar Flare Hard Xâ€šRays. Astrophysical Journal, 1998, 505, 941-956.	1.6	88
141	Geometric detection of coupling directions by means of inter-system recurrence networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3504-3513.	0.9	87
142	Delay-induced transitions in visually guided movements. Physical Review E, 1996, 54, R2224-R2227.	0.8	85
143	Statistical Mechanics and Information-Theoretic Perspectives on Complexity in the Earth System. Entropy, 2013, 15, 4844-4888.	1.1	85
144	Nonsingularity of Grain-like cascade FSRs via semi-tensor product. Science China Information Sciences, 2018, 61, 1.	2.7	85

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145	State estimation of fractional-order delayed memristive neural networks. <i>Nonlinear Dynamics</i> , 2018, 94, 1215-1225.	2.7	85
146	Multistability of synthetic genetic networks with repressive cell-to-cell communication. <i>Physical Review E</i> , 2008, 78, 031904.	0.8	84
147	Recurrence networks from multivariate signals for uncovering dynamic transitions of horizontal oil-water stratified flows. <i>Europhysics Letters</i> , 2013, 103, 50004.	0.7	84
148	Unified functional network and nonlinear time series analysis for complex systems science: The <code>pyunicorn</code> package. <i>Chaos</i> , 2015, 25, 113101.	1.0	84
149	Amplitude Equations from Spatiotemporal Binary-Fluid Convection Data. <i>Physical Review Letters</i> , 1999, 83, 3422-3425.	2.9	83
150	Reviving Oscillations in Coupled Nonlinear Oscillators. <i>Physical Review Letters</i> , 2013, 111, 014101.	2.9	83
151	Inherent multistability in arrays of autoinducer coupled genetic oscillators. <i>Physical Review E</i> , 2007, 75, 031916.	0.8	82
152	Fast-slow analysis for parametrically and externally excited systems with two slow rationally related excitation frequencies. <i>Physical Review E</i> , 2015, 92, 012911.	0.8	82
153	Effects of partial time delays on phase synchronization in Watts-Strogatz small-world neuronal networks. <i>Chaos</i> , 2017, 27, 053113.	1.0	82
154	Localized Lyapunov exponents and the prediction of predictability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 271, 237-251.	0.9	81
155	Topology and seasonal evolution of the network of extreme precipitation over the Indian subcontinent and Sri Lanka. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 901-917.	0.6	81
156	Tipping elements of the Indian monsoon: Prediction of onset and withdrawal. <i>Geophysical Research Letters</i> , 2016, 43, 3982-3990.	1.5	81
157	Robust $H_{\infty}$ Self-Triggered Control of Networked Systems Under Packet Dropouts. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 3294-3305.	6.2	81
158	Synchronization in time-varying networks. <i>Physical Review E</i> , 2014, 90, 022812.	0.8	80
159	System crash as dynamics of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11726-11731.	3.3	80
160	Disentangling different types of El Niño episodes by evolving climate network analysis. <i>Physical Review E</i> , 2013, 88, 052807.	0.8	79
161	Statistical physics approaches to the complex Earth system. <i>Physics Reports</i> , 2021, 896, 1-84.	10.3	79
162	Do globally coupled maps really violate the law of large numbers?. <i>Physical Review Letters</i> , 1994, 72, 1644-1646.	2.9	78

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163	Order patterns recurrence plots in the analysis of ERP data. <i>Cognitive Neurodynamics</i> , 2007, 1, 317-325.	2.3	78
164	Testing time series irreversibility using complex network methods. <i>Europhysics Letters</i> , 2013, 102, 10004.	0.7	78
165	Interaction network based early warning indicators for the Atlantic MOC collapse. <i>Geophysical Research Letters</i> , 2013, 40, 2714-2719.	1.5	77
166	SYNCHRONIZATION APPROACH TO ANALYSIS OF BIOLOGICAL SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2004, 04, L53-L62.	1.0	76
167	Late Holocene Asian summer monsoon dynamics from small but complex networks of paleoclimate data. <i>Climate Dynamics</i> , 2013, 41, 3-19.	1.7	76
168	Seeâ€“saw relationship of the Holocene East Asianâ€“Australian summer monsoon. <i>Nature Communications</i> , 2016, 7, 12929.	5.8	76
169	A robust and lossless DNA encryption scheme for color images. <i>Multimedia Tools and Applications</i> , 2018, 77, 12349-12376.	2.6	76
170	Parameter mismatches and oscillation death in coupled oscillators. <i>Chaos</i> , 2010, 20, 023132.	1.0	75
171	Alternating mutual influence of El-NiÃ±o/Southern Oscillation and Indian monsoon. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	75
172	Detours around basin stability in power networks. <i>New Journal of Physics</i> , 2014, 16, 125001.	1.2	75
173	Statistical Properties and Predictability of Extreme Epileptic Events. <i>Scientific Reports</i> , 2019, 9, 7243.	1.6	75
174	Chaosâ€“order transition in foraging behavior of ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8392-8397.	3.3	74
175	Multiple-node basin stability in complex dynamical networks. <i>Physical Review E</i> , 2017, 95, 032317.	0.8	74
176	The Switch in a Genetic Toggle System with LÃ©vy Noise. <i>Scientific Reports</i> , 2016, 6, 31505.	1.6	73
177	Fully distributed observer-based consensus protocol: Adaptive dynamic event-triggered schemes. <i>Automatica</i> , 2022, 139, 110188.	3.0	73
178	Singular continuous spectra in dissipative dynamics. <i>Physical Review E</i> , 1995, 52, 285-296.	0.8	72
179	Spatial structures and directionalities in Monsoonal precipitation over South Asia. <i>Nonlinear Processes in Geophysics</i> , 2010, 17, 371-381.	0.6	71
180	Phase synchronization of bursting neurons in clustered small-world networks. <i>Physical Review E</i> , 2012, 86, 016211.	0.8	71

#	ARTICLE	IF	CITATIONS
181	A New Color Image Encryption Scheme Using CML and a Fractional-Order Chaotic System. PLoS ONE, 2015, 10, e0119660.	1.1	71
182	Interpreting correlations in metabolomic networks. Biochemical Society Transactions, 2003, 31, 1476-1478.	1.6	70
183	AN APPROACH TO MULTIVARIATE PHASE SYNCHRONIZATION ANALYSIS AND ITS APPLICATION TO EVENT-RELATED POTENTIALS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 417-426.	0.7	70
184	Communicating sentiment and outlook reverses inaction against collective risks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17650-17655.	3.3	68
185	A random growth model for power grids and other spatially embedded infrastructure networks. European Physical Journal: Special Topics, 2014, 223, 2593-2610.	1.2	66
186	Solving Fokker-Planck equation using deep learning. Chaos, 2020, 30, 013133.	1.0	66
187	Seismic quiescence as an indicator for large earthquakes in a system of self-organized criticality. Geophysical Research Letters, 2000, 27, 597-600.	1.5	65
188	Vibrational and stochastic resonances in two coupled overdamped anharmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 279-286.	0.9	65
189	Distinguishing Direct from Indirect Interactions in Oscillatory Networks with Multiple Time Scales. Physical Review Letters, 2010, 104, 038701.	2.9	65
190	Identifying complex periodic windows in continuous-time dynamical systems using recurrence-based methods. Chaos, 2010, 20, 043130.	1.0	65
191	$\langle \text{mml:math xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ id=} \text{"mml11"} \text{ display=} \text{"inline"} \text{ overflow=} \text{"scroll"} \text{ altimg=} \text{"si11.gif"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ state estimation of stochastic memristor-based neural networks with time-varying delays. Neural Networks, 2018, 99, 79-91.	2.3	65
192	Higher resilience to climatic disturbances in tropical vegetation exposed to more variable rainfall. Nature Geoscience, 2019, 12, 174-179.	5.4	65
193	Chimera-like states in a neuronal network model of the cat brain. Chaos, Solitons and Fractals, 2017, 101, 86-91.	2.5	64
194	Network-induced multistability through lossy coupling and exotic solitary states. Nature Communications, 2020, 11, 592.	5.8	64
195	Roughening interfaces in the dynamics of perturbations of spatiotemporal chaos. Physical Review E, 1994, 49, 898-901.	0.8	62
196	Symbolic dynamics of event-related brain potentials. Physical Review E, 2000, 62, 5518-5541.	0.8	62
197	Locking-Based Frequency Measurement and Synchronization of Chaotic Oscillators with Complex Dynamics. Physical Review Letters, 2002, 89, 264102.	2.9	62
198	Introduction: Control and synchronization in chaotic dynamical systems. Chaos, 2003, 13, 126-127.	1.0	62

#	ARTICLE	IF	CITATIONS
199	Noise-Induced Excitability in Oscillatory Media. <i>Physical Review Letters</i> , 2003, 91, 180601.	2.9	62
200	Survivability of Deterministic Dynamical Systems. <i>Scientific Reports</i> , 2016, 6, 29654.	1.6	62
201	Ãvy-noise-induced transport in a rough triple-well potential. <i>Physical Review E</i> , 2016, 94, 042222.	0.8	62
202	Introduction to Focus Issue: When machine learning meets complex systems: Networks, chaos, and nonlinear dynamics. <i>Chaos</i> , 2020, 30, 063151.	1.0	62
203	Quenching, aging, and reviving in coupled dynamical networks. <i>Physics Reports</i> , 2021, 931, 1-72.	10.3	62
204	Generalized synchronization between two different complex networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 349-355.	1.7	61
205	Evolving dynamical networks. <i>Physica D: Nonlinear Phenomena</i> , 2014, 267, 1-6.	1.3	61
206	Fixed-time synchronization control of memristive MAM neural networks with mixed delays and application in chaotic secure communication. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 85-96.	2.5	61
207	Detuning-dependent dominance of oscillation death in globally coupled synthetic genetic oscillators. <i>Europhysics Letters</i> , 2009, 85, 28002.	0.7	60
208	PINNING IMPULSIVE SYNCHRONIZATION OF COMPLEX DYNAMICAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250239.	0.7	60
209	Quantifying heart rate dynamics using different approaches of symbolic dynamics. <i>European Physical Journal: Special Topics</i> , 2013, 222, 487-500.	1.2	60
210	Multivariate recurrence network analysis for characterizing horizontal oil-water two-phase flow. <i>Physical Review E</i> , 2013, 88, 032910.	0.8	60
211	Multiobjective Identification of Controlling Areas in Neuronal Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 708-720.	1.9	60
212	The mechanism of bursting oscillations with different codimensional bifurcations and nonlinear structures. <i>Nonlinear Dynamics</i> , 2016, 85, 993-1005.	2.7	60
213	Identification of dynamical transitions in marine palaeoclimate records by recurrence network analysis. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 545-562.	0.6	59
214	Taming instabilities in power grid networks by decentralized control. <i>European Physical Journal: Special Topics</i> , 2016, 225, 569-582.	1.2	59
215	Node-weighted measures for complex networks with spatially embedded, sampled, or differently sized nodes. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	58
216	Finding recurrence networks' threshold adaptively for a specific time series. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1085-1092.	0.6	58

#	ARTICLE	IF	CITATIONS
217	Networks from Flows - From Dynamics to Topology. Scientific Reports, 2014, 4, 4119.	1.6	58
218	Spatiotemporal characteristics and synchronization of extreme rainfall in South America with focus on the Andes Mountain range. Climate Dynamics, 2016, 46, 601-617.	1.7	58
219	Climate change perception: an analysis of climate change and risk perceptions among farmer types of Indian Western Himalayas. Climatic Change, 2019, 152, 103-119.	1.7	58
220	Testing stationarity in time series. Physical Review E, 1998, 58, 1800-1810.	0.8	57
221	Long-term changes in the north-south asymmetry of solar activity: a nonlinear dynamics characterization using visibility graphs. Nonlinear Processes in Geophysics, 2014, 21, 1113-1126.	0.6	57
222	The Estimates of the Mean First Exit Time of a Bistable System Excited by Poisson White Noise. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	57
223	A Complex Network-Based Broad Learning System for Detecting Driver Fatigue From EEG Signals. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5800-5808.	5.9	57
224	Collective nonlinear dynamics and self-organization in decentralized power grids. Reviews of Modern Physics, 2022, 94, .	16.4	57
225	Synchronization of chaotic structurally nonequivalent systems. Physical Review E, 2000, 61, 3712-3715.	0.8	56
226	Complex network based techniques to identify extreme events and (sudden) transitions in spatio-temporal systems. Chaos, 2015, 25, 097609.	1.0	56
227	Non-linear regime shifts in Holocene Asian monsoon variability: potential impacts on cultural change and migratory patterns. Climate of the Past, 2015, 11, 709-741.	1.3	55
228	On forecasting the sunspot numbers. Solar Physics, 1990, 126, 407-410.	1.0	54
229	Phase synchronization in time-delay systems. Physical Review E, 2006, 74, 035205.	0.8	54
230	EIGENVALUE DECOMPOSITION AS A GENERALIZED SYNCHRONIZATION CLUSTER ANALYSIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3493-3497.	0.7	54
231	Generalizing the transition from amplitude to oscillation death in coupled oscillators. Physical Review E, 2013, 88, 050901.	0.8	54
232	Rapidly switched random links enhance spatiotemporal regularity. Physical Review E, 2008, 78, 066209.	0.8	53
233	Long-term asymmetry in the wings of the butterfly diagram. Astronomy and Astrophysics, 2009, 503, 197-201.	2.1	53
234	Identifying Controlling Nodes in Neuronal Networks in Different Scales. PLoS ONE, 2012, 7, e41375.	1.1	53

#	ARTICLE	IF	CITATIONS
235	On Controllability of Neuronal Networks With Constraints on the Average of Control Gains. IEEE Transactions on Cybernetics, 2014, 44, 2670-2681.	6.2	53
236	Multiband strange nonchaotic attractors in quasiperiodically forced systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 218, 255-267.	0.9	52
237	Abrupt transitions in time series with uncertainties. Nature Communications, 2018, 9, 48.	5.8	52
238	Heart rate variability before the onset of ventricular tachycardia: differences between slow and fast arrhythmias. International Journal of Cardiology, 2002, 84, 141-151.	0.8	51
239	Constructive effects of fluctuations in genetic and biochemical regulatory systems. BioSystems, 2003, 72, 241-251.	0.9	51
240	An integrative quantifier of multistability in complex systems based on ecological resilience. Scientific Reports, 2015, 5, 16196.	1.6	51
241	Supervised learning in spiking neural networks with noise-threshold. Neurocomputing, 2017, 219, 333-349.	3.5	51
242	The role of extracellular potassium dynamics in the different stages of ictal bursting and spreading depression: A computational study. Journal of Theoretical Biology, 2009, 258, 219-228.	0.8	50
243	Bistability and stochastic jumps in an airfoil system with viscoelastic material property and random fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105184.	1.7	50
244	Fractal Formation and Ordering in Random Sequential Adsorption. Physical Review Letters, 1996, 76, 4058-4061.	2.9	49
245	Suppression of bursting synchronization in clustered scale-free (rich-club) neuronal networks. Chaos, 2012, 22, 043149.	1.0	49
246	Boundary effects in network measures of spatially embedded networks. Europhysics Letters, 2012, 100, 28002.	0.7	49
247	Photodynamic opening of blood-brain barrier. Biomedical Optics Express, 2017, 8, 5040.	1.5	49
248	Unravelling the spatial diversity of Indian precipitation teleconnections via a non-linear multi-scale approach. Nonlinear Processes in Geophysics, 2019, 26, 251-266.	0.6	49
249	Spike chimera states and firing regularities in neuronal hypernetworks. Chaos, 2019, 29, 053115.	1.0	49
250	Emergence of synchronization in multiplex networks of mobile Rössler oscillators. Physical Review E, 2019, 99, 012308.	0.8	49
251	Even central users do not always drive information diffusion. Communications of the ACM, 2019, 62, 61-67.	3.3	49
252	Modeling of deterministic chaotic systems. Physical Review E, 1999, 59, 2907-2910.	0.8	48

#	ARTICLE	IF	CITATIONS
253	Similarity estimators for irregular and age-uncertain time series. <i>Climate of the Past</i> , 2014, 10, 107-122.	1.3	48
254	Revival of oscillation from mean-field-induced death: Theory and experiment. <i>Physical Review E</i> , 2015, 92, 052908.	0.8	48
255	Principal nonlinear dynamical modes of climate variability. <i>Scientific Reports</i> , 2015, 5, 15510.	1.6	48
256	Complex network analysis helps to identify impacts of the El Ni±o Southern Oscillation on moisture divergence in South America. <i>Climate Dynamics</i> , 2015, 45, 619-632.	1.7	48
257	Anti-synchronization of coupled memristive neutral-type neural networks with mixed time-varying delays via randomly occurring control. <i>Nonlinear Dynamics</i> , 2016, 83, 2143-2155.	2.7	48
258	Evaluation of selected recurrence measures in discriminating pre-ictal and inter-ictal periods from epileptic EEG data. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1419-1425.	0.9	48
259	Wavelet analysis of precipitation extremes over India and teleconnections to climate indices. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 2053-2069.	1.9	48
260	Caring for the future can turn tragedy into comedy for long-term collective action under risk of collapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12915-12922.	3.3	48
261	Tempo-induced transitions in polyrhythmic hand movements. <i>Physical Review E</i> , 1997, 56, 5823-5833.	0.8	47
262	Clustering of Granular Assemblies with Temperature Dependent Restitution under Keplerian Differential Rotation. <i>Physical Review Letters</i> , 1997, 78, 1596-1599.	2.9	47
263	Timing Cellular Decision Making Under Noise via Cell-Cell Communication. <i>PLoS ONE</i> , 2009, 4, e4872.	1.1	47
264	Detection of time-delayed interactions in biosignals using symbolic coupling traces. <i>Europhysics Letters</i> , 2009, 87, 10004.	0.7	47
265	Stochastic basins of attraction for metastable states. <i>Chaos</i> , 2016, 26, 073117.	1.0	47
266	A climate network-based index to discriminate different types of El Ni±o and La Ni±a. <i>Geophysical Research Letters</i> , 2016, 43, 7176-7185.	1.5	47
267	A recurrence quantification analysis-based channel-frequency convolutional neural network for emotion recognition from EEG. <i>Chaos</i> , 2018, 28, 085724.	1.0	47
268	Neural Interactions in a Spatially-Distributed Cortical Network During Perceptual Decision-Making. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 220.	1.0	47
269	Motor execution reduces EEG signals complexity: Recurrence quantification analysis study. <i>Chaos</i> , 2020, 30, 023111.	1.0	47
270	Anomalous phase synchronization in populations of nonidentical oscillators. <i>Physical Review E</i> , 2003, 67, 035204.	0.8	46



#	ARTICLE	IF	CITATIONS
271	Nonlinear dimensionality reduction in climate data. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 393-398.	0.6	46
272	Confidence bounds of recurrence-based complexity measures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2245-2250.	0.9	46
273	Causality in physiological signals. <i>Physiological Measurement</i> , 2016, 37, R46-R72.	1.2	46
274	Coupled interaction between unsteady flame dynamics and acoustic field in a turbulent combustor. <i>Chaos</i> , 2018, 28, 113111.	1.0	46
275	Transition from phase to generalized synchronization in time-delay systems. <i>Chaos</i> , 2008, 18, 023118.	1.0	45
276	Node-weighted interacting network measures improve the representation of real-world complex systems. <i>Europhysics Letters</i> , 2013, 102, 28007.	0.7	45
277	Complex network approach to characterize the statistical features of the sunspot series. <i>New Journal of Physics</i> , 2014, 16, 013051.	1.2	45
278	Extreme Rainfall of the South American Monsoon System: A Dataset Comparison Using Complex Networks. <i>Journal of Climate</i> , 2015, 28, 1031-1056.	1.2	45
279	Cardio-Respiratory Coordination Increases during Sleep Apnea. <i>PLoS ONE</i> , 2014, 9, e93866.	1.1	45
280	Spatial recurrence plots. <i>Physical Review E</i> , 2006, 73, 056207.	0.8	44
281	General framework for phase synchronization through localized sets. <i>Physical Review E</i> , 2007, 75, 026216.	0.8	44
282	Potentials and limits to basin stability estimation. <i>New Journal of Physics</i> , 2017, 19, 023005.	1.2	44
283	Photobiomodulation of lymphatic drainage and clearance: perspective strategy for augmentation of meningeal lymphatic functions. <i>Biomedical Optics Express</i> , 2020, 11, 725.	1.5	44
284	The bootstrap and Lyapunov exponents in deterministic chaos. <i>Physica D: Nonlinear Phenomena</i> , 1999, 126, 49-59.	1.3	43
285	Brain signal analysis based on recurrences. <i>Journal of Physiology (Paris)</i> , 2009, 103, 315-323.	2.1	43
286	Entropy of weighted recurrence plots. <i>Physical Review E</i> , 2014, 90, 042919.	0.8	43
287	Analysing spatially extended high-dimensional dynamics by recurrence plots. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 894-900.	0.9	43
288	Quantifying the roles of single stations within homogeneous regions using complex network analysis. <i>Journal of Hydrology</i> , 2018, 563, 802-810.	2.3	43

#	ARTICLE	IF	CITATIONS
289	Twisting-Based Finite-Time Consensus for Euler-Lagrange Systems With an Event-Triggered Strategy. IEEE Transactions on Network Science and Engineering, 2020, 7, 1007-1018.	4.1	43
290	Application of optical coherence tomography for in vivo monitoring of the meningeal lymphatic vessels during opening of blood-brain barrier: mechanisms of brain clearing. Journal of Biomedical Optics, 2017, 22, 1.	1.4	43
291	Bubbling bifurcation: Loss of synchronization and shadowing breakdown in complex systems. Physica D: Nonlinear Phenomena, 2005, 206, 94-108.	1.3	42
292	Synchronization of bursting Hodgkin-Huxley-type neurons in clustered networks. Physical Review E, 2014, 90, 032818.	0.8	42
293	Control of birhythmicity through conjugate self-feedback: Theory and experiment. Physical Review E, 2016, 94, 042226.	0.8	42
294	Basin stability in delayed dynamics. Scientific Reports, 2016, 6, 21449.	1.6	42
295	Photodynamic opening of the blood-brain barrier and pathways of brain clearing. Journal of Biophotonics, 2018, 11, e201700287.	1.1	42
296	Fixed-time Synchronization of Complex-valued Memristive BAM Neural Network and Applications in Image Encryption and Decryption. International Journal of Control, Automation and Systems, 2020, 18, 462-476.	1.6	42
297	Rate-dependent tipping-delay phenomenon in a thermoacoustic system with colored noise. Science China Technological Sciences, 2020, 63, 2315-2327.	2.0	42
298	TESTING FOR PHASE SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 405-416.	0.7	41
299	Synchronization Analysis of Coupled Noncoherent Oscillators. Nonlinear Dynamics, 2006, 44, 135-149.	2.7	41
300	Distinguishing quasiperiodic dynamics from chaos in short-time series. Physical Review E, 2007, 76, 016210.	0.8	41
301	How complex climate networks complement eigen techniques for the statistical analysis of climatological data. Climate Dynamics, 2015, 45, 2407-2424.	1.7	41
302	Transitions in a genetic transcriptional regulatory system under Lévy motion. Scientific Reports, 2016, 6, 29274.	1.6	41
303	Multi-scale event synchronization analysis for unravelling climate processes: a wavelet-based approach. Nonlinear Processes in Geophysics, 2017, 24, 599-611.	0.6	41
304	The sliding mode control for an airfoil system driven by harmonic and colored Gaussian noise excitations. Applied Mathematical Modelling, 2018, 64, 249-264.	2.2	41
305	Route to bursting via pulse-shaped explosion. Physical Review E, 2018, 98, 010201.	0.8	41
306	Path integral solutions of the governing equation of SDEs excited by Lévy white noise. Journal of Computational Physics, 2019, 394, 41-55.	1.9	41

#	ARTICLE	IF	CITATIONS
307	The question of an internal Martian magnetic field. <i>Planetary and Space Science</i> , 1991, 39, 83-88.	0.9	40
308	Noise-sustained and controlled synchronization of stirred excitable media by external forcing. <i>New Journal of Physics</i> , 2005, 7, 18-18.	1.2	40
309	Spatial patterns of linear and nonparametric long-term trends in Baltic sea-level variability. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 95-111.	0.6	40
310	The impact of model detail on power grid resilience measures. <i>European Physical Journal: Special Topics</i> , 2016, 225, 609-625.	1.2	40
311	Anti-synchronization Control of Memristive Neural Networks with Multiple Proportional Delays. <i>Neural Processing Letters</i> , 2016, 43, 269-283.	2.0	40
312	Development of structural correlations and synchronization from adaptive rewiring in networks of Kuramoto oscillators. <i>Chaos</i> , 2017, 27, 073115.	1.0	40
313	Overview of Compressed Sensing: Sensing Model, Reconstruction Algorithm, and Its Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5909.	1.3	40
314	Wavelet entropy-based evaluation of intrinsic predictability of time series. <i>Chaos</i> , 2020, 30, 033117.	1.0	40
315	Cooperative and Competitive Multi-Agent Systems: From Optimization to Games. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 763-783.	8.5	40
316	Search for solar periodicities in Miocene tree ring widths. <i>Terra Nova</i> , 1993, 5, 359-363.	0.9	39
317	Studying hyperbolicity in chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 270, 301-307.	0.9	39
318	Fuzzy Complex Dynamical Networks and Its Synchronization. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 648-659.	6.2	39
319	Stability of synchrony against local intermittent fluctuations in tree-like power grids. <i>Chaos</i> , 2017, 27, 127003.	1.0	39
320	Multiplex recurrence networks. <i>Physical Review E</i> , 2018, 97, 012312.	0.8	39
321	Two novel bursting patterns in the Duffing system with multiple-frequency slow parametric excitations. <i>Chaos</i> , 2018, 28, 043111.	1.0	39
322	Fingerprint of volcanic forcing on the ENSO-Indian monsoon coupling. <i>Science Advances</i> , 2020, 6, .	4.7	39
323	Noise-Aided Logic in an Electronic Analog of Synthetic Genetic Networks. <i>PLoS ONE</i> , 2013, 8, e76032.	1.1	39
324	Bifurcational mechanisms of synchronization of a resonant limit cycle on a two-dimensional torus. <i>Chaos</i> , 2008, 18, 037123.	1.0	38

#	ARTICLE	IF	CITATIONS
325	Synchronization transitions in coupled time-delay electronic circuits with a threshold nonlinearity. <i>Chaos</i> , 2011, 21, 023119.	1.0	38
326	Emergence of amplitude and oscillation death in identical coupled oscillators. <i>Physical Review E</i> , 2014, 90, 032906.	0.8	38
327	Wavelet Spectrum and Self-Organizing Maps-Based Approach for Hydrologic Regionalization -a Case Study in the Western United States. <i>Water Resources Management</i> , 2016, 30, 4399-4413.	1.9	38
328	Predicting noise-induced critical transitions in bistable systems. <i>Chaos</i> , 2019, 29, 081102.	1.0	38
329	Slowing down critical transitions via Gaussian white noise and periodic force. <i>Science China Technological Sciences</i> , 2019, 62, 2144-2152.	2.0	38
330	Sleep as a Novel Biomarker and a Promising Therapeutic Target for Cerebral Small Vessel Disease: A Review Focusing on Alzheimer's Disease and the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6293.	1.8	38
331	On a sequence of remarkable fine structures in the type IV burst of 24 April, 1985. <i>Solar Physics</i> , 1987, 112, 347-357.	1.0	37
332	Synchronization of two non-scalar-coupled limit-cycle oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2004, 189, 8-30.	1.3	37
333	INFERRING INDIRECT COUPLING BY MEANS OF RECURRENCES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1099-1111.	0.7	37
334	Synchronization in output-coupled temporal Boolean networks. <i>Scientific Reports</i> , 2014, 4, 6292.	1.6	37
335	Information-based measures for logical stochastic resonance in a synthetic gene network under Lévy flight superdiffusion. <i>Chaos</i> , 2017, 27, 063105.	1.0	37
336	First-order phase transition in a majority-vote model with inertia. <i>Physical Review E</i> , 2017, 95, 042304.	0.8	37
337	Fixed-time synchronization of hybrid coupled networks with time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 49-56.	2.5	37
338	Active vibration suppression of a novel airfoil model with fractional order viscoelastic constitutive relationship. <i>Journal of Sound and Vibration</i> , 2018, 432, 50-64.	2.1	37
339	Complexity-based approach for El Niño magnitude forecasting before the spring predictability barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 177-183.	3.3	37
340	Can a solar pulsation event be characterized by a low-dimensional chaotic attractor?. <i>Solar Physics</i> , 1986, 107, 39-45.	1.0	36
341	A Systematic Test on Precursory Seismic Quiescence in Armenia. <i>Natural Hazards</i> , 2002, 26, 245-263.	1.6	36
342	Recurrence analysis of strange nonchaotic dynamics. <i>Physical Review E</i> , 2007, 75, 036222.	0.8	36

#	ARTICLE	IF	CITATIONS
343	Control of birhythmicity: A self-feedback approach. <i>Chaos</i> , 2017, 27, 063110.	1.0	36
344	Output tracking of probabilistic Boolean networks by output feedback control. <i>Information Sciences</i> , 2019, 483, 96-105.	4.0	36
345	Synchronization and Oscillator Death in Oscillatory Media with Stirring. <i>Physical Review Letters</i> , 2003, 91, 084101.	2.9	35
346	Experimental evidence of anomalous phase synchronization in two diffusively coupled Chua oscillators. <i>Chaos</i> , 2006, 16, 023111.	1.0	35
347	Characterization of stickiness by means of recurrence. <i>Chaos</i> , 2007, 17, 043101.	1.0	35
348	Finite-Time Anti-synchronization Control of Memristive Neural Networks With Stochastic Perturbations. <i>Neural Processing Letters</i> , 2016, 43, 49-63.	2.0	35
349	Detection of time delays and directional interactions based on time series from complex dynamical systems. <i>Physical Review E</i> , 2017, 96, 012221.	0.8	35
350	Nonlinear interactions between the Amazon River basin and the Tropical North Atlantic at interannual timescales. <i>Climate Dynamics</i> , 2018, 50, 2951-2969.	1.7	35
351	Testing for nonlinearity in radiocarbon data. <i>Nonlinear Processes in Geophysics</i> , 1994, 1, 72-76.	0.6	34
352	Sensitivity and specificity of coherence and phase synchronization analysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 26-34.	0.9	34
353	Autonomic Control in Patients Experiencing Atrial Fibrillation After Cardiac Surgery. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, 77-84.	0.5	34
354	Understanding the Earth as a Complex System – recent advances in data analysis and modelling in Earth sciences. <i>European Physical Journal: Special Topics</i> , 2009, 174, 1-9.	1.2	34
355	Synchronization in coupled Ikeda delay systems. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1465-1479.	1.2	34
356	Hopf-bifurcation-delay-induced bursting patterns in a modified circuit system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 36, 517-527.	1.7	34
357	Explosive death induced by mean-field diffusion in identical oscillators. <i>Scientific Reports</i> , 2017, 7, 7936.	1.6	34
358	Deciphering the imprint of topology on nonlinear dynamical network stability. <i>New Journal of Physics</i> , 2017, 19, 033029.	1.2	34
359	Blood-Brain Barrier, Lymphatic Clearance, and Recovery: Ariadne's Thread in Labyrinths of Hypotheses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3818.	1.8	34
360	Photodynamic opening of the blood-brain barrier to high weight molecules and liposomes through an optical clearing skull window. <i>Biomedical Optics Express</i> , 2018, 9, 4850.	1.5	34

#	ARTICLE	IF	CITATIONS
361	How do global temperature drivers influence each other?. European Physical Journal: Special Topics, 2013, 222, 861-873.	1.2	33
362	Estimating coupling directions in the cardiorespiratory system using recurrence properties. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110624.	1.6	33
363	Chaos and Cryptography: A new dimension in secure communications. European Physical Journal: Special Topics, 2014, 223, 1441-1445.	1.2	33
364	Correlation Networks from Flows. The Case of Forced and Time-Dependent Advection-Diffusion Dynamics. PLoS ONE, 2016, 11, e0153703.	1.1	33
365	Quantifying entropy using recurrence matrix microstates. Chaos, 2018, 28, 083108.	1.0	33
366	Short-term forecasts of the COVID-19 pandemic: a study case of Cameroon. Chaos, Solitons and Fractals, 2020, 140, 110106.	2.5	33
367	Collective behavior in ensembles of globally coupled maps. Physica D: Nonlinear Phenomena, 1994, 76, 411-419.	1.3	32
368	Network Mechanism for Burst Generation. Physical Review Letters, 2007, 98, 108101.	2.9	32
369	Synchronization in the Kuramoto model: A dynamical gradient network approach. Physical Review E, 2008, 77, 027101.	0.8	32
370	Mapping and discrimination of networks in the complexity-entropy plane. Physical Review E, 2017, 96, 042304.	0.8	32
371	The maximum likelihood climate change for global warming under the influence of greenhouse effect and Lévy noise. Chaos, 2020, 30, 013132.	1.0	32
372	The renormalized entropyâ€”an appropriate complexity measure?. Chaos, Solitons and Fractals, 1994, 4, 1907-1916.	2.5	31
373	Evaluation of renormalised entropy for risk stratification using heart rate variability data. Medical and Biological Engineering and Computing, 2000, 38, 680-685.	1.6	31
374	Correlated noise induced spatiotemporal coherence resonance in a square lattice network. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6679-6685.	1.2	31
375	Generating surrogates from recurrences. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 545-557.	1.6	31
376	Basin stability of the Kuramoto-like model in small networks. European Physical Journal: Special Topics, 2014, 223, 2483-2491.	1.2	31
377	Collective relaxation dynamics of small-world networks. Physical Review E, 2015, 91, 052815.	0.8	31
378	Recurrence measure of conditional dependence and applications. Physical Review E, 2017, 95, 052206.	0.8	31

#	ARTICLE	IF	CITATIONS
379	Roughness-enhanced transport in a tilted ratchet driven by LÄvy noise. <i>Physical Review E</i> , 2017, 96, 052121.	0.8	31
380	Phase synchronization dynamics of coupled neurons with coupling phase in the electromagnetic field. <i>Nonlinear Dynamics</i> , 2018, 93, 1315-1324.	2.7	31
381	Formation Control with Mismatched Orientation in Multi-Agent Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 314-325.	4.1	31
382	Optimal design of hydrometric station networks based on complex network analysis. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2235-2251.	1.9	31
383	Particle dynamics and transport enhancement in a confined channel with position-dependent diffusivity. <i>New Journal of Physics</i> , 2020, 22, 053016.	1.2	31
384	Investigation of an Automatic Sleep Stage Classification by Means of Multiscorer Hypnogram. <i>Methods of Information in Medicine</i> , 2010, 49, 467-472.	0.7	30
385	Distinguishing dynamics using recurrence-time statistics. <i>Physical Review E</i> , 2012, 85, 026217.	0.8	30
386	Low-dimensional behavior of Kuramoto model with inertia in complex networks. <i>Scientific Reports</i> , 2014, 4, 4783.	1.6	30
387	Spatial network surrogates for disentangling complex system structure from spatial embedding of nodes. <i>Physical Review E</i> , 2016, 93, 042308.	0.8	30
388	Non-linear time series analysis of precipitation events using regional climate networks for Germany. <i>Climate Dynamics</i> , 2016, 46, 1065-1074.	1.7	30
389	Transports in a rough ratchet induced by LÄvy noises. <i>Chaos</i> , 2017, 27, 103102.	1.0	30
390	Transition from homogeneous to inhomogeneous limit cycles: Effect of local filtering in coupled oscillators. <i>Physical Review E</i> , 2018, 97, 042218.	0.8	30
391	Fixed-time synchronization of fractional order memristive MAM neural networks by sliding mode control. <i>Neurocomputing</i> , 2020, 401, 364-376.	3.5	30
392	First-passage problem for stochastic differential equations with combined parametric Gaussian and LÄvy white noises via path integral method. <i>Journal of Computational Physics</i> , 2021, 435, 110264.	1.9	30
393	Fixed-Time Output Synchronization of Coupled Reaction-Diffusion Neural Networks With Delayed Output Couplings. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 780-789.	4.1	30
394	Generalized Swing Equation and Transient Synchronous Stability With PLL-Based VSC. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 1428-1441.	3.7	30
395	Spurious Structures in Recurrence Plots Induced by Embedding. <i>Nonlinear Dynamics</i> , 2006, 44, 299-305.	2.7	29
396	KolmogorovâSinai entropy from recurrence times. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1135-1140.	0.9	29

#	ARTICLE	IF	CITATIONS
397	Macroscopic description of complex adaptive networks coevolving with dynamic node states. Physical Review E, 2015, 91, 052801.	0.8	29
398	Effects of assortative mixing in the second-order Kuramoto model. Physical Review E, 2015, 91, 052805.	0.8	29
399	Restoring oscillatory behavior from amplitude death with anti-phase synchronization patterns in networks of electrochemical oscillations. Chaos, 2016, 26, 094808.	1.0	29
400	Recurrence plot analysis of irregularly sampled data. Physical Review E, 2018, 98, .	0.8	29
401	Neuron dynamics variability and anomalous phase synchronization of neural networks. Chaos, 2018, 28, 106304.	1.0	29
402	Night Photostimulation of Clearance of Beta-Amyloid from Mouse Brain: New Strategies in Preventing Alzheimerâ€™s Disease. Cells, 2021, 10, 3289.	1.8	29
403	Control of noise-induced oscillations of a pendulum with a randomly vibrating suspension axis. Physical Review E, 1997, 56, 1465-1470.	0.8	28
404	Weighted networks are more synchronizable: how and why. AIP Conference Proceedings, 2005, , .	0.3	28
405	Phase and average period of chaotic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 362, 159-165.	0.9	28
406	The solar activity cycle is weakly synchronized with the solar inertial motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 365, 421-428.	0.9	28
407	Delay coupling enhances synchronization in complex networks. Europhysics Letters, 2012, 98, 10003.	0.7	28
408	Synchronization in delayed multiplex networks. Europhysics Letters, 2015, 111, 30010.	0.7	28
409	Complex networks for climate model evaluation with application to statistical versus dynamical modeling of South American climate. Climate Dynamics, 2015, 44, 1567-1581.	1.7	28
410	Evolving Scale-Free Networks by Poisson Process: Modeling and Degree Distribution. IEEE Transactions on Cybernetics, 2016, 46, 1144-1155.	6.2	28
411	Complex networks for tracking extreme rainfall during typhoons. Chaos, 2018, 28, 075301.	1.0	28
412	On the emergence of large clusters of acoustic power sources at the onset of thermoacoustic instability in a turbulent combustor. Journal of Fluid Mechanics, 2019, 874, 455-482.	1.4	28
413	Bistable Firing Pattern in a Neural Network Model. Frontiers in Computational Neuroscience, 2019, 13, 19.	1.2	28
414	Can Intensification of Cattle Ranching Reduce Deforestation in the Amazon? Insights From an Agent-based Social-Ecological Model. Ecological Economics, 2019, 159, 198-211.	2.9	28



#	ARTICLE	IF	CITATIONS
415	Photostimulation of cerebral and peripheral lymphatic functions. <i>Translational Biophotonics</i> , 2020, 2, e201900036.	1.4	28
416	Linear and nonlinear time series analysis of the black hole candidate CygnusX-1. <i>Physical Review E</i> , 2000, 61, 1342-1352.	0.8	27
417	Automatic control of phase synchronization in coupled complex oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2005, 200, 81-104.	1.3	27
418	On interrelations of recurrences and connectivity trends between stock indices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4364-4376.	1.2	27
419	Analysis of cluster explosive synchronization in complex networks. <i>Physical Review E</i> , 2014, 90, 062810.	0.8	27
420	Understanding migraine using dynamic network biomarkers. <i>Cephalalgia</i> , 2015, 35, 627-630.	1.8	27
421	LÄvy noise-induced escape in an excitable system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 063503.	0.9	27
422	Sample-based approach can outperform the classical dynamical analysis - experimental confirmation of the basin stability method. <i>Scientific Reports</i> , 2017, 7, 6121.	1.6	27
423	Quantifying the parameter dependent basin of the unsafe regime of asymmetric LÄvy-noise-induced critical transitions. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 65-84.	1.9	27
424	Introduction: Cardiovascular physics. <i>Chaos</i> , 2007, 17, 015101.	1.0	26
425	Peculiarities of synchronization of a resonant limit cycle on a two-dimensional torus. <i>Physical Review E</i> , 2007, 76, 046216.	0.8	26
426	Hypothesis test for synchronization: Twin surrogates revisited. <i>Chaos</i> , 2009, 19, 015108.	1.0	26
427	Oscillation death in asymmetrically delay-coupled oscillators. <i>Physical Review E</i> , 2012, 85, 046206.	0.8	26
428	Improving power grid transient stability by plug-in electric vehicles. <i>New Journal of Physics</i> , 2014, 16, 115011.	1.2	26
429	Adaptive coupling induced multi-stable states in complex networks. <i>Physica D: Nonlinear Phenomena</i> , 2014, 267, 36-48.	1.3	26
430	Enhancing dynamical robustness in aging networks of coupled nonlinear oscillators. <i>Europhysics Letters</i> , 2016, 114, 40004.	0.7	26
431	Local vs. global redundancy â trade-offs between resilience against cascading failures and frequency stability. <i>European Physical Journal: Special Topics</i> , 2016, 225, 551-568.	1.2	26
432	Obtaining amplitude-modulated bursting by multiple-frequency slow parametric modulation. <i>Physical Review E</i> , 2018, 97, 012202.	0.8	26

#	ARTICLE	IF	CITATIONS
433	On the emergence of critical regions at the onset of thermoacoustic instability in a turbulent combustor. <i>Chaos</i> , 2018, 28, 063125.	1.0	26
434	LÄvy noise induced transition and enhanced stability in a gene regulatory network. <i>Chaos</i> , 2018, 28, 075510.	1.0	26
435	Percept-related EEG classification using machine learning approach and features of functional brain connectivity. <i>Chaos</i> , 2019, 29, 093110.	1.0	26
436	Framework of Evolutionary Algorithm for Investigation of Influential Nodes in Complex Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2019, 23, 1049-1063.	7.5	26
437	Frequency-truncation fast-slow analysis for parametrically and externally excited systems with two slow incommensurate excitation frequencies. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 72, 16-25.	1.7	26
438	Detrended fluctuation analysis of cerebrovascular responses to abrupt changes in peripheral arterial pressure in rats. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105232.	1.7	26
439	Synchronization of coupled memristive competitive BAM neural networks with different time scales. <i>Neurocomputing</i> , 2021, 427, 110-117.	3.5	26
440	A unified and automated approach to attractor reconstruction. <i>New Journal of Physics</i> , 2021, 23, 033017.	1.2	26
441	Brain Mechanisms of COVID-19-Sleep Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6917.	1.8	26
442	Complex nonlinear dynamics and vibration suppression of conceptual airfoil models: A state-of-the-art overview. <i>Chaos</i> , 2022, 32, .	1.0	26
443	SHRIMP STRUCTURE AND ASSOCIATED DYNAMICS IN PARAMETRICALLY EXCITED OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 3567-3579.	0.7	25
444	Detecting phase synchronization by localized maps: Application to neural networks. <i>Europhysics Letters</i> , 2007, 77, 40006.	0.7	25
445	Synchronization of time-delayed systems. <i>Physical Review E</i> , 2007, 76, 036212.	0.8	25
446	Collective dynamics in two populations of noisy oscillators with asymmetric interactions. <i>Physical Review E</i> , 2015, 91, 062910.	0.8	25
447	Basin stability approach for quantifying responses of multistable systems with parameters mismatch. <i>Meccanica</i> , 2016, 51, 2713-2726.	1.2	25
448	Nonlinear behaviors as well as the mechanism in a piecewise-linear dynamical system with two time scales. <i>Nonlinear Dynamics</i> , 2016, 85, 2233-2245.	2.7	25
449	Linear dynamical modes as new variables for data-driven ENSO forecast. <i>Climate Dynamics</i> , 2019, 52, 2199-2216.	1.7	25
450	Universal gap scaling in percolation. <i>Nature Physics</i> , 2020, 16, 455-461.	6.5	25

#	ARTICLE	IF	CITATIONS
451	Finite-time and fixed-time synchronization for a class of memristor-based competitive neural networks with different time scales. <i>Chaos, Solitons and Fractals</i> , 2021, 148, 111033.	2.5	25
452	Perception and Navigation in Autonomous Systems in the Era of Learning: A Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 9604-9624.	7.2	25
453	Complexity and meaning in nonlinear dynamical systems. <i>Open Systems and Information Dynamics</i> , 1992, 1, 269-289.	0.5	24
454	Power-laws in recurrence networks from dynamical systems. <i>Europhysics Letters</i> , 2012, 98, 48001.	0.7	24
455	Geometric signature of complex synchronisation scenarios. <i>Europhysics Letters</i> , 2013, 102, 30007.	0.7	24
456	Order to chaos transition studies in a DC glow discharge plasma by using recurrence quantification analysis. <i>Chaos, Solitons and Fractals</i> , 2014, 69, 285-293.	2.5	24
457	Synchronization of mobile chaotic oscillator networks. <i>Chaos</i> , 2016, 26, 094824.	1.0	24
458	Adaptive elimination of synchronization in coupled oscillator. <i>New Journal of Physics</i> , 2017, 19, 083004.	1.2	24
459	Most probable dynamics of a genetic regulatory network under stable Lévy noise. <i>Applied Mathematics and Computation</i> , 2019, 348, 425-436.	1.4	24
460	Network-based forecasting of climate phenomena. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
461	Characterizing the dynamics of stochastic bistable systems by measures of complexity. <i>Physical Review E</i> , 1997, 55, 5050-5059.	0.8	23
462	Equations of motion from chaotic data: A driven optical fiber ring resonator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 256, 47-54.	0.9	23
463	Human comment dynamics in on-line social systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5832-5837.	1.2	23
464	Functional network analysis reveals differences in the semantic priming task. <i>Journal of Neuroscience Methods</i> , 2011, 197, 333-339.	1.3	23
465	Phase coherence and attractor geometry of chaotic electrochemical oscillators. <i>Chaos</i> , 2012, 22, 033130.	1.0	23
466	Basin stability for burst synchronization in small-world networks of chaotic slow-fast oscillators. <i>Physical Review E</i> , 2015, 92, 042803.	0.8	23
467	Effects of combined harmonic and random excitations on a Brusselator model. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	23
468	Coupling Between Leg Muscle Activation and EEG During Normal Walking, Intentional Stops, and Freezing of Gait in Parkinson's Disease. <i>Frontiers in Physiology</i> , 2019, 10, 870.	1.3	23

#	ARTICLE	IF	CITATIONS
469	Recurrence-Based Quantification of Dynamical Complexity in the Earth's Magnetosphere at Geospace Storm Timescales. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 90-108.	0.8	23
470	Consensus Seeking in Multiagent Systems With Markovian Switching Topology Under Aperiodic Sampled Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5189-5200.	5.9	23
471	IS THE SOLAR ACTIVITY CYCLE SYNCHRONIZED WITH THE SOLAR INERTIAL MOTION?. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 2519-2526.	0.7	22
472	Ventricular arrhythmias and changes in heart rate preceding ventricular tachycardia in patients with an implantable cardioverter defibrillator. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 715-727.	1.6	22
473	Recurrence quantification analysis of electrostatic fluctuations in fusion plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1088-1095.	0.9	22
474	Stability of synchronization in coupled time-delay systems using Krasovskii-Lyapunov theory. <i>Physical Review E</i> , 2009, 79, 066208.	0.8	22
475	Spatiotemporal dynamics of the Calvin cycle: Multistationarity and symmetry breaking instabilities. <i>BioSystems</i> , 2011, 103, 212-223.	0.9	22
476	Relationship between El-Ni±o/Southern Oscillation and the Indian monsoon. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2012, 48, 47-56.	0.2	22
477	Oscillation suppression and synchronization: Frequencies determine the role of control with time delays. <i>Europhysics Letters</i> , 2013, 102, 20003.	0.7	22
478	Optimal synchronization of oscillatory chemical reactions with complex pulse, square, and smooth waveforms signals maximizes Tsallis entropy. <i>Europhysics Letters</i> , 2015, 111, 50007.	0.7	22
479	Forced synchronization of quasiperiodic oscillations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 316-323.	1.7	22
480	Method for reconstructing nonlinear modes with adaptive structure from multidimensional data. <i>Chaos</i> , 2016, 26, 123101.	1.0	22
481	Do the recent severe droughts in the Amazonia have the same period of length?. <i>Climate Dynamics</i> , 2016, 46, 3279-3285.	1.7	22
482	On the difference of cardiorespiratory synchronisation and coordination. <i>Chaos</i> , 2017, 27, 093933.	1.0	22
483	Phase coherence between precipitation in South America and Rossby waves. <i>Science Advances</i> , 2018, 4, eaau3191.	4.7	22
484	A network-based comparative study of extreme tropical and frontal storm rainfall over Japan. <i>Climate Dynamics</i> , 2019, 53, 521-532.	1.7	22
485	Event-Triggered Fixed-Time Attitude Consensus With Fixed and Switching Topologies. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4138-4145.	3.6	22
486	Suppression of thermoacoustic instability by targeting the hubs of the turbulent networks in a bluff body stabilized combustor. <i>Journal of Fluid Mechanics</i> , 2021, 916, .	1.4	22

#	ARTICLE	IF	CITATIONS
487	Fixed-interval smoothing of an aeroelastic airfoil model with cubic or free-play nonlinearity in incompressible flow. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021, 37, 1168.	1.5	22
488	Epidemics with mutating infectivity on small-world networks. <i>Scientific Reports</i> , 2020, 10, 5919.	1.6	22
489	The impact of COVID-19 on the worldwide air transportation network. <i>Royal Society Open Science</i> , 2021, 8, 210682.	1.1	22
490	Steady Viscous Flow with Fractal Power Spectrum. <i>Physical Review Letters</i> , 1996, 77, 4338-4341.	2.9	21
491	Effect of Noise on the Relaxation to an Invariant Probability Measure of Nonhyperbolic Chaotic Attractors. <i>Physical Review Letters</i> , 2001, 87, 054101.	2.9	21
492	Experimental study of imperfect phase synchronization in the forced Lorenz system. <i>Chaos</i> , 2003, 13, 319-326.	1.0	21
493	Coherence resonance in an excitable system with time delay. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 227-230.	0.9	21
494	Experimental confirmation of chaotic phase synchronization in coupled time-delayed electronic circuits. <i>Physical Review E</i> , 2010, 82, 065201.	0.8	21
495	Effect of CPAP therapy on daytime cardiovascular regulations in patients with obstructive sleep apnea. <i>Computers in Biology and Medicine</i> , 2012, 42, 328-334.	3.9	21
496	Classifying healthy women and preeclamptic patients from cardiovascular data using recurrence and complex network methods. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 178, 103-110.	1.4	21
497	Characterizing the evolution of climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 705-711.	0.6	21
498	Stability threshold approach for complex dynamical systems. <i>New Journal of Physics</i> , 2016, 18, 013004.	1.2	21
499	Synchronous behaviour in network model based on human cortico-cortical connections. <i>Physiological Measurement</i> , 2018, 39, 074006.	1.2	21
500	Finite-Time Synchronization of Chaotic Memristive Multidirectional Associative Memory Neural Networks and Applications in Image Encryption. <i>IEEE Access</i> , 2018, 6, 35764-35779.	2.6	21
501	Optimizing the detection of nonstationary signals by using recurrence analysis. <i>Chaos</i> , 2018, 28, 085703.	1.0	21
502	First-passage-time distribution in a moving parabolic potential with spatial roughness. <i>Physical Review E</i> , 2019, 99, 052203.	0.8	21
503	Mitigation of oscillatory instability in turbulent reactive flows: A novel approach using complex networks. <i>Europhysics Letters</i> , 2019, 128, 14003.	0.7	21
504	Statistical solution to SDEs with $\alpha$ -stable Lévy noise via deep neural network. <i>International Journal of Dynamics and Control</i> , 2020, 8, 1129-1140.	1.5	21

#	ARTICLE	IF	CITATIONS
505	Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 604563.	1.2	21
506	Chimera states in coupled Hindmarsh-Rose neurons with $\hat{\pm}$ -stable noise. <i>Chaos, Solitons and Fractals</i> , 2021, 148, 110976.	2.5	21
507	MF DFA: Efficient multifractal detrended fluctuation analysis in python. <i>Computer Physics Communications</i> , 2022, 273, 108254.	3.0	21
508	Quantification of cancellous bone structure using symbolic dynamics and measures of complexity. <i>Physical Review E</i> , 1998, 58, 6449-6459.	0.8	20
509	Detecting Subthreshold Events in Noisy Data by Symbolic Dynamics. <i>Physical Review Letters</i> , 2003, 90, 100602.	2.9	20
510	Simulating global properties of electroencephalograms with minimal random neural networks. <i>Neurocomputing</i> , 2008, 71, 999-1007.	3.5	20
511	BIFURCATIONS IN A STAR-LIKE NETWORK OF STUART- $\epsilon$ -LANDAU OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250173.	0.7	20
512	Node-weighted measures for complex networks with directed and weighted edges for studying continental moisture recycling. <i>Europhysics Letters</i> , 2014, 107, 58005.	0.7	20
513	Individual node's contribution to the mesoscale of complex networks. <i>New Journal of Physics</i> , 2014, 16, 125006.	1.2	20
514	Propagation of Strong Rainfall Events from Southeastern South America to the Central Andes. <i>Journal of Climate</i> , 2015, 28, 7641-7658.	1.2	20
515	Constrained basin stability for studying transient phenomena in dynamical systems. <i>Physical Review E</i> , 2016, 93, 042205.	0.8	20
516	Fast regular firings induced by intra- and inter-time delays in two clustered neuronal networks. <i>Chaos</i> , 2018, 28, 106310.	1.0	20
517	Dynamic transport: From bifurcation to multistability. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105600.	1.7	20
518	Photomodulation of lymphatic delivery of liposomes to the brain bypassing the blood-brain barrier: new perspectives for glioma therapy. <i>Nanophotonics</i> , 2021, 10, 3215-3227.	2.9	20
519	Transcritical loss of synchronization in coupled chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 401-406.	0.9	19
520	THE UNSCENTED KALMAN FILTER, A POWERFUL TOOL FOR DATA ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 2093-2105.	0.7	19
521	Measures of complexity for 3D image analysis of trabecular bone. <i>European Physical Journal: Special Topics</i> , 2007, 143, 109-116.	1.2	19
522	Effect of Stochastic Resonance on Bone Loss in Osteopenic Conditions. <i>Physical Review Letters</i> , 2008, 100, 128101.	2.9	19

#	ARTICLE	IF	CITATIONS
523	Impact of connection delays on noise-induced spatiotemporal patterns in neuronal networks. <i>Chaos</i> , 2012, 22, 043150.	1.0	19
524	Effects of spatial frequency distributions on amplitude death in an array of coupled Landau-Stuart oscillators. <i>Physical Review E</i> , 2012, 85, 056211.	0.8	19
525	Towards dynamical network biomarkers in neuromodulation of episodic migraine. <i>Translational Neuroscience</i> , 2013, 4, .	0.7	19
526	Characterization of the chaos-hyperchaos transition based on return times. <i>Physical Review E</i> , 2015, 91, 022921.	0.8	19
527	Temporal correlation patterns in pre-seismic electromagnetic emissions reveal distinct complexity profiles prior to major earthquakes. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 44-55.	1.2	19
528	Dynamics and Collapse in a Power System Model with Voltage Variation: The Damping Effect. <i>PLoS ONE</i> , 2016, 11, e0165943.	1.1	19
529	Suppression of phase synchronisation in network based on cat's brain. <i>Chaos</i> , 2016, 26, 043107.	1.0	19
530	Metastability for discontinuous dynamical systems under Lévy noise: Case study on Amazonian Vegetation. <i>Scientific Reports</i> , 2017, 7, 9336.	1.6	19
531	Synchronization Control of Memristive Multidirectional Associative Memory Neural Networks and Applications in Network Security Communication. <i>IEEE Access</i> , 2018, 6, 36002-36018.	2.6	19
532	Extended detrended fluctuation analysis of electroencephalograms signals during sleep and the opening of the blood-brain barrier. <i>Chaos</i> , 2020, 30, 073138.	1.0	19
533	On the correlation dimension of the spectral measure for the thue-morse sequence. <i>Journal of Statistical Physics</i> , 1997, 88, 1387-1392.	0.5	18
534	Noise-Sustained Coherent Oscillation of Excitable Media in a Chaotic Flow. <i>Physical Review Letters</i> , 2003, 91, 150601.	2.9	18
535	Non-transitive maps in phase synchronization. <i>Physica D: Nonlinear Phenomena</i> , 2005, 212, 216-232.	1.3	18
536	ONSET OF PHASE SYNCHRONIZATION IN NEURONS WITH CHEMICAL SYNAPSE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3545-3549.	0.7	18
537	Inverse synchronizations in coupled time-delay systems with inhibitory coupling. <i>Chaos</i> , 2009, 19, 023107.	1.0	18
538	Bifurcation in neuronal networks with hub structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4499-4508.	1.2	18
539	Stabilizing oscillation death by multicomponent coupling with mismatched delays. <i>Physical Review E</i> , 2012, 86, 036210.	0.8	18
540	Regional and inter-regional effects in evolving climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 451-462.	0.6	18

#	ARTICLE	IF	CITATIONS
541	The Dynamics of Coalition Formation on Complex Networks. <i>Scientific Reports</i> , 2015, 5, 13386.	1.6	18
542	Revoking amplitude and oscillation deaths by low-pass filter in coupled oscillators. <i>Physical Review E</i> , 2017, 95, 062206.	0.8	18
543	Hierarchical structures in Northern Hemispheric extratropical winter ocean-atmosphere interactions. <i>International Journal of Climatology</i> , 2017, 37, 3821-3836.	1.5	18
544	Wavelet-based multiscale similarity measure for complex networks. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	18
545	Detecting early-warning signals in periodically forced systems with noise. <i>Chaos</i> , 2018, 28, 113601.	1.0	18
546	Improved Consensus Conditions for Multi-Agent Systems With Uncertain Topology: The Generalized Transition Rates Case. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 1158-1169.	4.1	18
547	Asymptotic scaling describing signal propagation in complex networks. <i>Nature Physics</i> , 2020, 16, 1082-1083.	6.5	18
548	Universality in the emergence of oscillatory instabilities in turbulent flows. <i>Europhysics Letters</i> , 2020, 129, 24004.	0.7	18
549	Parameter-free quantification of stochastic and chaotic signals. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109616.	2.5	18
550	Neuronal synchronization in long-range time-varying networks. <i>Chaos</i> , 2021, 31, 073129.	1.0	18
551	An early-warning indicator for Amazon droughts exclusively based on tropical Atlantic sea surface temperatures. <i>Environmental Research Letters</i> , 2020, 15, 094087.	2.2	18
552	Finite-time and fixed-time synchronization analysis of shunting inhibitory memristive neural networks with time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2022, 156, 111866.	2.5	18
553	Evolutionary multigame with conformists and profiteers based on dynamic complex networks. <i>Chaos</i> , 2022, 32, 023117.	1.0	18
554	Lyapunov exponents for hydromagnetic convection. <i>Physical Review A</i> , 1991, 44, R3427-R3429.	1.0	17
555	Analysis of solar spike events by means of symbolic dynamics methods. <i>Space Science Reviews</i> , 1994, 68, 245-246.	3.7	17
556	On-off intermittency phenomena in a pendulum with a randomly vibrating suspension axis. <i>Chaos, Solitons and Fractals</i> , 1998, 9, 157-169.	2.5	17
557	Influence of additive noise on transitions in nonlinear systems. <i>Physical Review E</i> , 2000, 61, 4809-4820.	0.8	17
558	Influence of noise on statistical properties of nonhyperbolic attractors. <i>Physical Review E</i> , 2000, 62, 7886-7893.	0.8	17



#	ARTICLE	IF	CITATIONS
559	Segmentation of bone CT images and assessment of bone structure using measures of complexity. <i>Medical Physics</i> , 2006, 33, 3857-3873.	1.6	17
560	Nonlinear additive autoregressive model-based analysis of short-term heart rate variability. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 321-330.	1.6	17
561	Firefly courtship as the basis of the synchronization-response principle. <i>Europhysics Letters</i> , 2011, 94, 60007.	0.7	17
562	Analysing Dynamical Behavior of Cellular Networks via Stochastic Bifurcations. <i>PLoS ONE</i> , 2011, 6, e19696.	1.1	17
563	Modeling and analysis of the transmission dynamics of tuberculosis without and with seasonality. <i>Nonlinear Dynamics</i> , 2012, 67, 2027-2051.	2.7	17
564	Amplitude death in nonlinear oscillators with mixed time-delayed coupling. <i>Physical Review E</i> , 2013, 88, 032916.	0.8	17
565	Experimental demonstration of revival of oscillations from death in coupled nonlinear oscillators. <i>Chaos</i> , 2016, 26, 043112.	1.0	17
566	Consensus Analysis of Second-Order Multi-Agent Networks With Sampled Data and Packet Losses. <i>IEEE Access</i> , 2016, 4, 8127-8137.	2.6	17
567	Entropy-based complexity measures for gait data of patients with Parkinson's disease. <i>Chaos</i> , 2016, 26, 023115.	1.0	17
568	Timing of transients: quantifying reaching times and transient behavior in complex systems. <i>New Journal of Physics</i> , 2017, 19, 083005.	1.2	17
569	Riddling: Chimera's dilemma. <i>Chaos</i> , 2018, 28, 081105.	1.0	17
570	Input-to-state stability analysis for memristive BAM neural networks with variable time delays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1143-1150.	0.9	17
571	Sparse learning of partial differential equations with structured dictionary matrix. <i>Chaos</i> , 2019, 29, 043130.	1.0	17
572	Swing equation in power systems: Approximate analytical solution and bifurcation curve estimate. <i>Chaos</i> , 2020, 30, 013110.	1.0	17
573	Multitask GANs for Semantic Segmentation and Depth Completion With Cycle Consistency. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5404-5415.	7.2	17
574	Rate-dependent bifurcation dodging in a thermoacoustic system driven by colored noise. <i>Nonlinear Dynamics</i> , 2021, 104, 2733-2743.	2.7	17
575	Projective synchronization of memristive multidirectional associative memory neural networks via self-triggered impulsive control and its application to image protection. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111110.	2.5	17
576	Phenomenon of music-induced opening of the blood-brain barrier in healthy mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202337.	1.2	17

#	ARTICLE	IF	CITATIONS
577	Generalized entropies in a turbulent dynamo simulation. <i>Physical Review E</i> , 1995, 52, R4602-R4605.	0.8	16
578	Reconstruction and structure of electrocardiogram phase portraits. <i>Physical Review E</i> , 1996, 54, 737-742.	0.8	16
579	Fluctuation growth and saturation in nonlinear oscillators on the threshold of bifurcation of spontaneous symmetry breaking. <i>Physical Review E</i> , 2005, 72, 046125.	0.8	16
580	MULTISCROLL IN COUPLED DOUBLE SCROLL TYPE OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2965-2980.	0.7	16
581	Topological structures enhance the presence of dynamical regimes in synthetic networks. <i>Chaos</i> , 2010, 20, 045111.	1.0	16
582	Control of delay-induced oscillation death by coupling phase in coupled oscillators. <i>Physical Review E</i> , 2011, 84, 066208.	0.8	16
583	Cortical hot spots and labyrinths: why cortical neuromodulation for episodic migraine with aura should be personalized. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 29.	1.2	16
584	Impact of climate change on larch budmoth cyclic outbreaks. <i>Scientific Reports</i> , 2016, 6, 27845.	1.6	16
585	Fine separation of particles via the entropic splitter. <i>Physical Review E</i> , 2017, 96, 022152.	0.8	16
586	Bounding the first exit from the basin: Independence times and finite-time basin stability. <i>Chaos</i> , 2018, 28, 043102.	1.0	16
587	Input-to-State stability analysis for memristive Cohen-Grossberg-type neural networks with variable time delays. <i>Chaos, Solitons and Fractals</i> , 2018, 114, 364-369.	2.5	16
588	Brain anomaly networks uncover heterogeneous functional reorganization patterns after stroke. <i>NeuroImage: Clinical</i> , 2018, 20, 523-530.	1.4	16
589	Improving the LPJmL4-SPITFIRE vegetation fire model for South America using satellite data. <i>Geoscientific Model Development</i> , 2019, 12, 5029-5054.	1.3	16
590	Stochastic dynamics driven by combined Lévy-Gaussian noise: fractional Fokker-Planck-Kolmogorov equation and solution. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 385001.	0.7	16
591	Consensus of heterogeneous discrete-time multi-agent systems with noise over Markov switching topologies. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 1530-1541.	2.1	16
592	Modified wavelet analysis of ECoG-pattern as promising tool for detection of the blood-brain barrier leakage. <i>Scientific Reports</i> , 2021, 11, 18505.	1.6	16
593	An Efficient Supervised Training Algorithm for Multilayer Spiking Neural Networks. <i>PLoS ONE</i> , 2016, 11, e0150329.	1.1	16
594	Protection Degree and Migration in the Stochastic SIRS Model: A Queueing System Perspective. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 771-783.	3.5	16

#	ARTICLE	IF	CITATIONS
595	Symbolic dynamics of physiological synchronization: Examples from bimanual movements and cardiorespiratory interaction. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1997, 30, 973-984.	0.6	15
596	Parameter estimation based synchronization for an epidemic model with application to tuberculosis in Cameroon. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4496-4505.	0.9	15
597	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage AlfvÄ©n BrÄ©silien tokamak. <i>Physics of Plasmas</i> , 2010, 17, 012303.	0.7	15
598	Global phase synchronization in an array of time-delay systems. <i>Physical Review E</i> , 2010, 82, 016215.	0.8	15
599	An Electronic Analog of Synthetic Genetic Networks. <i>PLoS ONE</i> , 2011, 6, e23286.	1.1	15
600	Dynamic Environment Coupling Induced Synchronized States in Coupled Time-Delayed Electronic Circuits. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450067.	0.7	15
601	Quantifying the causal strength of multivariate cardiovascular couplings with momentary information transfer. <i>Physiological Measurement</i> , 2015, 36, 813-825.	1.2	15
602	Optical monitoring of stress-related changes in the brain tissues and vessels associated with hemorrhagic stroke in newborn rats. <i>Biomedical Optics Express</i> , 2015, 6, 4088.	1.5	15
603	Disentangling regular and chaotic motion in the standard map using complex network analysis of recurrences in phase space. <i>Chaos</i> , 2016, 26, 023120.	1.0	15
604	Optimal Synchronization of a Memristive Chaotic Circuit. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650093.	0.7	15
605	A complex network representation of wind flows. <i>Chaos</i> , 2017, 27, 035808.	1.0	15
606	A matrix clustering method to explore patterns of land-cover transitions in satellite-derived maps of the Brazilian Amazon. <i>Nonlinear Processes in Geophysics</i> , 2017, 24, 113-123.	0.6	15
607	Likelihood for transcriptions in a genetic regulatory system under asymmetric stable LÄ©vy noise. <i>Chaos</i> , 2018, 28, 013121.	1.0	15
608	Temporal evolution of the spatial covariability of rainfall in South America. <i>Climate Dynamics</i> , 2018, 51, 371-382.	1.7	15
609	Suppression of anomalous synchronization and nonstationary behavior of neural network under small-world topology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 497, 126-138.	1.2	15
610	Evolving networks based on birth and death process regarding the scale stationarity. <i>Chaos</i> , 2018, 28, 083118.	1.0	15
611	Quenching and revival of oscillations induced by coupling through adaptive variables. <i>Physical Review E</i> , 2019, 99, 032214.	0.8	15
612	When Autonomous Systems Meet Accuracy and Transferability through AI: A Survey. <i>Patterns</i> , 2020, 1, 100050.	3.1	15

#	ARTICLE	IF	CITATIONS
613	Photostimulation of Extravasation of Beta-Amyloid through the Model of Blood-Brain Barrier. Electronics (Switzerland), 2020, 9, 1056.	1.8	15
614	Extended detrended fluctuation analysis of sound-induced changes in brain electrical activity. Chaos, Solitons and Fractals, 2020, 139, 109989.	2.5	15
615	Synchronization transition from chaos to limit cycle oscillations when a locally coupled chaotic oscillator grid is coupled globally to another chaotic oscillator. Chaos, 2020, 30, 033121.	1.0	15
616	Dynamic Network Characteristics of Power-electronics-based Power Systems. Scientific Reports, 2020, 10, 9946.	1.6	15
617	Recurrence analysis of extreme event-like data. Nonlinear Processes in Geophysics, 2021, 28, 213-229.	0.6	15
618	Impact of an AMOC weakening on the stability of the southern Amazon rainforest. European Physical Journal: Special Topics, 2021, 230, 3065-3073.	1.2	15
619	The accumulative law and its probability model: an extension of the Pareto distribution and the log-normal distribution. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200019.	1.0	15
620	Fixed-time formation tracking for multiple nonholonomic wheeled mobile robots based on distributed observer. Nonlinear Dynamics, 2021, 106, 3331-3349.	2.7	15
621	Frequency domain analysis of highly amplified ECG on the basis of maximum entropy spectral estimation. Medical and Biological Engineering and Computing, 1992, 30, 277-282.	1.6	14
622	On the validity of a model for the reversals of the Earth's magnetic field. Geophysical and Astrophysical Fluid Dynamics, 1994, 77, 79-91.	0.4	14
623	Test for nonlinear dynamical behavior in symbol sequences. Physical Review E, 1998, 58, 1155-1158.	0.8	14
624	Phase Synchronization of Chaotic Intermittent Oscillations. Physical Review Letters, 2004, 92, 134101.	2.9	14
625	Dynamics in Complex Systems. European Review, 2009, 17, 357-370.	0.4	14
626	Limitations of red noise in analysing Dansgaard-Oeschger events. Climate of the Past, 2010, 6, 85-92.	1.3	14
627	A two-parameter stochastic process for Dansgaard-Oeschger events. Paleoceanography, 2011, 26, .	3.0	14
628	General scaling of maximum degree of synchronization in noisy complex networks. New Journal of Physics, 2014, 16, 115009.	1.2	14
629	Deep graphs – A general framework to represent and analyze heterogeneous complex systems across scales. Chaos, 2016, 26, 065303.	1.0	14
630	The role of asymmetrical and repulsive coupling in the dynamics of two coupled van der Pol oscillators. Chaos, 2016, 26, 023102.	1.0	14

#	ARTICLE	IF	CITATIONS
631	Temporal organization of magnetospheric fluctuations unveiled by recurrence patterns in the Dst index. <i>Chaos</i> , 2018, 28, 085716.	1.0	14
632	Characterization of SSMVEP-based EEG signals using multiplex limited penetrable horizontal visibility graph. <i>Chaos</i> , 2019, 29, 073119.	1.0	14
633	Effect of filtered feedback on birhythmicity: Suppression of birhythmic oscillation. <i>Physical Review E</i> , 2019, 99, 062210.	0.8	14
634	The physics of governance networks: critical transitions in contagion dynamics on multilayer adaptive networks with application to the sustainable use of renewable resources. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2357-2369.	1.2	14
635	Mean-square consensus of multi-agent systems with noise and time delay via event-triggered control. <i>Journal of the Franklin Institute</i> , 2020, 357, 5317-5339.	1.9	14
636	Finite-time Consensus of Leader-following Multi-agent Systems with Multiple Time Delays over Time-varying Topology. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 1985-1992.	1.6	14
637	Nonlinear Modeling of Multi-Converter Systems Within DC-Link Timescale. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021, 11, 5-16.	2.7	14
638	Detection of dynamical regime transitions with lacunarity as a multiscale recurrence quantification measure. <i>Nonlinear Dynamics</i> , 2021, 104, 3955-3973.	2.7	14
639	Enhanced synchronization due to intermittent noise. <i>New Journal of Physics</i> , 2021, 23, 112001.	1.2	14
640	Measures of complexity for cancellous bone. <i>Technology and Health Care</i> , 1998, 6, 373-390.	0.5	13
641	Length Scales of Clustering in Granular Gases. <i>Physical Review Letters</i> , 1999, 82, 4819-4822.	2.9	13
642	Stable heteroclinic cycles for ensembles of chaotic oscillators. <i>Physical Review E</i> , 2002, 66, 026201.	0.8	13
643	Identification of nonlinear spatiotemporal systems via partitioned filtering. <i>Physical Review E</i> , 2003, 68, 016202.	0.8	13
644	Synchronization of spontaneous bursting in a CO <sub>2</sub> laser. <i>Physical Review E</i> , 2006, 74, 066207.	0.8	13
645	Recurrence analysis of strange nonchaotic dynamics in driven excitable systems. <i>Chaos</i> , 2008, 18, 013128.	1.0	13
646	Comment on "Stochastic analysis of recurrence plots with applications to the detection of deterministic signals" by Rohde et al. [ <i>Physica D</i> 237 (2008) 619-629]. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 1711-1715.	1.3	13
647	Spectral universality of phase synchronization in non-identical oscillator networks. <i>European Physical Journal B</i> , 2009, 69, 45-49.	0.6	13
648	Practical time-delay synchronization of a periodically modulated self-excited oscillators with uncertainties. <i>Chaos</i> , 2010, 20, 043121.	1.0	13

#	ARTICLE	IF	CITATIONS
649	CHARACTERISTICS OF STOCHASTIC RESONANCE IN ASYMMETRIC DUFFING OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2729-2739.	0.7	13
650	Extracellular potassium dynamics in the hyperexcitable state of the neuronal ictal activity. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4700-4706.	1.7	13
651	Correlations between climate network and relief data. Nonlinear Processes in Geophysics, 2014, 21, 1127-1132.	0.6	13
652	Synchronized pendula: From Huygensâ€™ clocks to chimera states. European Physical Journal: Special Topics, 2014, 223, 609-612.	1.2	13
653	Multiscale recurrence analysis of spatio-temporal data. Chaos, 2015, 25, 123111.	1.0	13
654	Analyzing long-term correlated stochastic processes by means of recurrence networks: Potentials and pitfalls. Physical Review E, 2015, 91, 022926.	0.8	13
655	The size distribution of spatiotemporal extreme rainfall clusters around the globe. Geophysical Research Letters, 2016, 43, 9939-9947.	1.5	13
656	Robust Multiobjective Controllability of Complex Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 778-791.	1.9	13
657	Stochastic basin stability in complex networks. Europhysics Letters, 2018, 122, 40003.	0.7	13
658	Phase transition to synchronization in generalized Kuramoto model with low-pass filter. Physical Review E, 2019, 100, 012209.	0.8	13
659	The influences of correlated spatially random perturbations on first passage time in a linear-cubic potential. Chaos, 2019, 29, 101102.	1.0	13
660	Age differences in photodynamic therapyâ€‘mediated opening of the bloodâ€‘brain barrier through the optical clearing skull window in mice. Lasers in Surgery and Medicine, 2019, 51, 625-633.	1.1	13
661	Influence of Delayed Conductance on Neuronal Synchronization. Frontiers in Physiology, 2020, 11, 1053.	1.3	13
662	Precursor criteria for noise-induced critical transitions in multi-stable systems. Nonlinear Dynamics, 2020, 101, 21-35.	2.7	13
663	Asymptotic Stability of Boolean Networks With Multiple Missing Data. IEEE Transactions on Automatic Control, 2021, 66, 6093-6099.	3.6	13
664	Emergence of Neuronal Synchronisation in Coupled Areas. Frontiers in Computational Neuroscience, 2021, 15, 663408.	1.2	13
665	Biophotonic Strategies of Measurement and Stimulation of the Cranial and the Extracranial Lymphatic Drainage Function. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-13.	1.9	13
666	Basin stability and limit cycles in a conceptual model for climate tipping cascades. New Journal of Physics, 2020, 22, 123031.	1.2	13

#	ARTICLE	IF	CITATIONS
667	Intersections of stable and unstable manifolds: the skeleton of Lagrangian chaos. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 947-956.	2.5	12
668	ANALYTICAL DESCRIPTION OF RECURRENCE PLOTS OF DYNAMICAL SYSTEMS WITH NONTRIVIAL RECURRENCES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 4273-4283.	0.7	12
669	Persistence and phase synchronisation properties of fixational eye movements. <i>European Physical Journal: Special Topics</i> , 2008, 161, 207-223.	1.2	12
670	SPATIOTEMPORAL COHERENCE RESONANCE IN A MAP LATTICE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 737-743.	0.7	12
671	Statistical characteristics of the Poincaré return times for a one-dimensional nonhyperbolic map. <i>European Physical Journal B</i> , 2011, 82, 219-225.	0.6	12
672	Geometric and dynamic perspectives on phase-coherent and noncoherent chaos. <i>Chaos</i> , 2012, 22, 013115.	1.0	12
673	Pinning noise-induced stochastic resonance. <i>Physical Review E</i> , 2013, 87, 062920.	0.8	12
674	STOCHASTIC AND COHERENCE RESONANCES IN A MODIFIED CHUA'S CIRCUIT SYSTEM WITH MULTI-SCROLL ORBITS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350132.	0.7	12
675	Diversity and time delays induce resonance in a modular neuronal network. <i>Chaos</i> , 2014, 24, 043140.	1.0	12
676	Recovery time after localized perturbations in complex dynamical networks. <i>New Journal of Physics</i> , 2017, 19, 103004.	1.2	12
677	Reconstructing multi-mode networks from multivariate time series. <i>Europhysics Letters</i> , 2017, 119, 50008.	0.7	12
678	Nonlinear reconstruction of global climate leading modes on decadal scales. <i>Climate Dynamics</i> , 2018, 51, 2301-2310.	1.7	12
679	Amplitude death in globally coupled oscillators with time-scale diversity. <i>Physical Review E</i> , 2018, 98, .	0.8	12
680	±-stable noise-induced coherence on a spatially extended Fitzhugh-Nagumo system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 103501.	0.9	12
681	Effects of Lévy noise on the Fitzhugh-Nagumo model: A perspective on the maximal likely trajectories. <i>Journal of Theoretical Biology</i> , 2019, 480, 166-174.	0.8	12
682	Robust distributed estimation based on a generalized correntropy logarithmic difference algorithm over wireless sensor networks. <i>Signal Processing</i> , 2020, 177, 107731.	2.1	12
683	Recurrence analysis of slow-fast systems. <i>Chaos</i> , 2020, 30, 063152.	1.0	12
684	Complex network approach for detecting tropical cyclones. <i>Climate Dynamics</i> , 2021, 57, 3355-3364.	1.7	12

#	ARTICLE	IF	CITATIONS
685	Rate-dependent tipping and early warning in a thermoacoustic system under extreme operating environment. <i>Chaos</i> , 2021, 31, 113115.	1.0	12
686	Period-doubling bifurcations in the presence of colored noise. <i>Physical Review E</i> , 1994, 49, 3801-3806.	0.8	11
687	Tracer dynamics in a flow of driven vortices. <i>Physical Review E</i> , 1999, 59, 1605-1614.	0.8	11
688	ON PHASE SYNCHRONIZATION BY PERIODIC FORCE IN CHAOTIC OSCILLATORS WITH SADDLE EQUILIBRIA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 2649-2667.	0.7	11
689	The effect of time-delay on anomalous phase synchronization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6150-6154.	0.9	11
690	Recurrence-based detection of the hyperchaos-chaos transition in an electronic circuit. <i>Chaos</i> , 2010, 20, 043115.	1.0	11
691	Dynamical regimes and transitions in Plio-Pleistocene Asian monsoon. <i>Europhysics Letters</i> , 2012, 97, 40009.	0.7	11
692	The expansion of neighborhood and pattern formation on spatial prisoner's dilemma. <i>Chaos</i> , 2015, 25, 043115.	1.0	11
693	Stochastic synchronization of complex networks via a novel adaptive composite nonlinear feedback controller. <i>Nonlinear Dynamics</i> , 2015, 80, 363-374.	2.7	11
694	Pinning adaptive synchronization of a class of uncertain complex dynamical networks with multi-link against network deterioration. <i>Chaos, Solitons and Fractals</i> , 2015, 72, 20-34.	2.5	11
695	Oscillator death induced by amplitude-dependent coupling in repulsively coupled oscillators. <i>Physical Review E</i> , 2015, 91, 052902.	0.8	11
696	The effect of randomness for dependency map on the robustness of interdependent lattices. <i>Chaos</i> , 2016, 26, 013105.	1.0	11
697	Tweaking synchronization by connectivity modifications. <i>Physical Review E</i> , 2016, 93, 062211.	0.8	11
698	Insensitivity of synchronization to network structure in chaotic pendulum systems with time-delay coupling. <i>Chaos</i> , 2017, 27, 126702.	1.0	11
699	Exponential lag function projective synchronization of memristor-based multidirectional associative memory neural networks via hybrid control. <i>Modern Physics Letters B</i> , 2018, 32, 1850116.	1.0	11
700	Revival and death of oscillation under mean-field coupling: Interplay of intrinsic and extrinsic filtering. <i>Physical Review E</i> , 2019, 100, 052212.	0.8	11
701	Rate-induced transitions and advanced takeoff in power systems. <i>Chaos</i> , 2020, 30, 061103.	1.0	11
702	Neural-Network-Based Adaptive Tracking Control for Nonlinear Multiagent Systems: The Observer Case. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 138-150.	6.2	11



#	ARTICLE	IF	CITATIONS
703	Abnormal detection technology of industrial control system based on transfer learning. Applied Mathematics and Computation, 2022, 412, 126539.	1.4	11
704	Small-Signal Stability of Multi-Converter Infeed Power Grids with Symmetry. Symmetry, 2021, 13, 157.	1.1	11
705	Relay interlayer synchronisation: invariance and stability conditions. Nonlinearity, 2022, 35, 681-718.	0.6	11
706	Coherence-resonance chimeras in coupled HR neurons with alpha-stable Lévy noise. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 053501.	0.9	11
707	Symmetry breaking in distributed systems and modulational spatio-temporal intermittency. Chaos, Solitons and Fractals, 1995, 5, 1893-1899.	2.5	10
708	A model of neural control of the heart rate. Physica A: Statistical Mechanics and Its Applications, 1995, 215, 439-450.	1.2	10
709	Polydisperse adsorption: Pattern formation kinetics, fractal properties, and transition to order. Physical Review E, 1998, 58, 3530-3536.	0.8	10
710	COUPLED BISTABLE MAPS: A TOOL TO STUDY CONVECTION PARAMETERIZATION IN OCEAN MODELS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 999-1015.	0.7	10
711	Recurrences of strange attractors. Pramana - Journal of Physics, 2008, 70, 1039-1045.	0.9	10
712	EFFECTS OF THE SHAPE OF PERIODIC FORCES ON STOCHASTIC RESONANCE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2073-2088.	0.7	10
713	Were Dansgaard-Oeschger events forced by the Sun?. European Physical Journal: Special Topics, 2010, 191, 117-129.	1.2	10
714	Synchronization in clustered random networks. Physical Review E, 2013, 87, .	0.8	10
715	On the influence of spatial sampling on climate networks. Nonlinear Processes in Geophysics, 2014, 21, 651-657.	0.6	10
716	Modulation of the N170 adaptation profile by higher level factors. Biological Psychology, 2014, 97, 27-34.	1.1	10
717	Experimental Study of the Triplet Synchronization of Coupled Nonidentical Mechanical Metronomes. Scientific Reports, 2015, 5, 17008.	1.6	10
718	Phase response curves for models of earthquake fault dynamics. Chaos, 2016, 26, 063105.	1.0	10
719	Revival of oscillations from deaths in diffusively coupled nonlinear systems: Theory and experiment. Chaos, 2017, 27, 061101.	1.0	10
720	Large deviation induced phase switch in an inertial majority-vote model. Chaos, 2017, 27, 081102.	1.0	10

#	ARTICLE	IF	CITATIONS
721	Nonstationary transition to phase synchronization of neural networks induced by the coupling architecture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 507, 321-334.	1.2	10
722	Modeling Fireflies Synchronization. <i>Advances in Dynamics, Patterns, Cognition</i> , 2019, , 131-156.	0.2	10
723	Interplay between random fluctuations and rate dependent phenomena at slow passage to limit-cycle oscillations in a bistable thermoacoustic system. <i>Chaos</i> , 2019, 29, 031102.	1.0	10
724	Event-Triggered Consensus Control for High-Speed Train With Time-Varying Actuator Fault. <i>IEEE Access</i> , 2020, 8, 50553-50564.	2.6	10
725	The steady current analysis in a periodic channel driven by correlated noises. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109766.	2.5	10
726	Extended detrended fluctuation analysis: effects of nonstationarity and application to sleep data. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	10
727	Complex systems approaches for Earth system data analysis. <i>Journal of Physics Complexity</i> , 2021, 2, 011001.	0.9	10
728	Characterizing stochastic resonance in a triple cavity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200230.	1.6	10
729	Heritable Deleting Strategies for Birth and Death Evolving Networks From a Queueing System Perspective. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6662-6673.	5.9	10
730	SURROGATE-BASED HYPOTHESIS TEST WITHOUT SURROGATES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 2107-2114.	0.7	9
731	Upper bounds in phase synchronous weak coherent chaotic attractors. <i>Physica D: Nonlinear Phenomena</i> , 2006, 216, 260-268.	1.3	9
732	Characteristics and synchronization of time-delay systems driven by a common noise. <i>European Physical Journal: Special Topics</i> , 2010, 187, 87-93.	1.2	9
733	Modelling Tuberculosis and Hepatitis B Co-infections. <i>Mathematical Modelling of Natural Phenomena</i> , 2010, 5, 196-242.	0.9	9
734	SIMULATION OF LARGE SCALE CORTICAL NETWORKS BY INDIVIDUAL NEURON DYNAMICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 859-867.	0.7	9
735	Two-Patch Transmission of Tuberculosis. <i>Mathematical Population Studies</i> , 2011, 18, 189-205.	0.8	9
736	Global generalized synchronization in networks of different time-delay systems. <i>Europhysics Letters</i> , 2013, 103, 50010.	0.7	9
737	Fluctuation of similarity to detect transitions between distinct dynamical regimes in short time series. <i>Physical Review E</i> , 2014, 89, 062908.	0.8	9
738	Cooperative behavior between oscillatory and excitable units: the peculiar role of positive coupling-frequency correlations. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	9

#	ARTICLE	IF	CITATIONS
739	Quantifying chaotic dynamics from integrate-and-fire processes. <i>Chaos</i> , 2015, 25, 013118.	1.0	9
740	Bistability of rotational modes in a system of coupled pendulums. <i>Regular and Chaotic Dynamics</i> , 2016, 21, 849-861.	0.3	9
741	Synchronization and control in time-delayed complex networks and spatio-temporal patterns. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1-6.	1.2	9
742	Rewiring hierarchical scale-free networks: Influence on synchronizability and topology. <i>Europhysics Letters</i> , 2017, 119, 30002.	0.7	9
743	Small-world networks exhibit pronounced intermittent synchronization. <i>Chaos</i> , 2017, 27, 111101.	1.0	9
744	Equal-area criterion in power systems revisited. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170733.	1.0	9
745	Unveiling non-stationary coupling between Amazon and ocean during recent extreme events. <i>Climate Dynamics</i> , 2018, 50, 767-776.	1.7	9
746	Effects of dynamical and structural modifications on synchronization. <i>Chaos</i> , 2019, 29, 083131.	1.0	9
747	Monte Carlo basin bifurcation analysis. <i>New Journal of Physics</i> , 2020, 22, 033032.	1.2	9
748	Fast-Slow-Scale Interaction Induced Parallel Resonance and its Suppression in Voltage Source Converters. <i>IEEE Access</i> , 2021, 9, 90126-90141.	2.6	9
749	New color image cryptosystem via SHA-512 and hybrid domain. <i>Multimedia Tools and Applications</i> , 2021, 80, 18875-18899.	2.6	9
750	Tipping in complex systems: theory, methods and applications. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3177-3179.	1.2	9
751	Complete synchronization of chaotic atmospheric models by connecting only a subset of state space. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 611-621.	0.6	9
752	Eliminating poverty through social mobility promotes cooperation in social dilemmas. <i>Chaos, Solitons and Fractals</i> , 2022, 156, 111845.	2.5	9
753	Investigation into the coherence of flame intensity oscillations in a model multi-element rocket combustor using complex networks. <i>Physics of Fluids</i> , 2022, 34, .	1.6	9
754	Early warning of the Indian Ocean Dipole using climate network analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2109089119.	3.3	9
755	Correlation integral as a tool for distinguishing between dynamics and statistics in time series data. <i>Physica D: Nonlinear Phenomena</i> , 1998, 120, 369-385.	1.3	8
756	Can randomness alone tune the fractal dimension?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 315, 342-352.	1.2	8

#	ARTICLE	IF	CITATIONS
757	Stochastic forces in circumplanetary dust dynamics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	8
758	A conceptual ENSO model under realistic noise forcing. <i>Nonlinear Processes in Geophysics</i> , 2006, 13, 275-285.	0.6	8
759	Decaying of phase synchronization in parkinsonian tremor. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 366, 552-560.	1.2	8
760	PHASE SYNCHRONIZATION AND COHERENCE ANALYSIS: SENSITIVITY AND SPECIFICITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3551-3556.	0.7	8
761	Complex brain networks: From topological communities to clustered dynamics. <i>Pramana - Journal of Physics</i> , 2008, 70, 1087-1097.	0.9	8
762	Phase synchronization in unidirectionally coupled Ikeda time-delay systems. <i>European Physical Journal: Special Topics</i> , 2008, 164, 35-44.	1.2	8
763	Influence of interactive stratospheric chemistry on large-scale air mass exchange in a global circulation model. <i>European Physical Journal: Special Topics</i> , 2009, 174, 257-269.	1.2	8
764	Synchronization of multi-frequency noise-induced oscillations. <i>Chaos</i> , 2011, 21, 047513.	1.0	8
765	Estimation of sedimentary proxy records together with associated uncertainty. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1093-1111.	0.6	8
766	Interdisciplinary challenges in the study of power grid resilience and stability and their relation to extreme weather events. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2383-2386.	1.2	8
767	Dyadic Cantor set and its kinetic and stochastic counterpart. <i>Chaos, Solitons and Fractals</i> , 2014, 60, 31-39.	2.5	8
768	Role of structural holes in containing spreading processes. <i>Physical Review E</i> , 2016, 93, 032312.	0.8	8
769	Edge anisotropy and the geometric perspective on flow networks. <i>Chaos</i> , 2017, 27, 035802.	1.0	8
770	The impact of propagation and processing delays on amplitude and oscillation deaths in the presence of symmetry-breaking coupling. <i>Chaos</i> , 2017, 27, 114303.	1.0	8
771	Recognition of electroencephalographic patterns related to human movements or mental intentions with multiresolution analysis. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 230-235.	2.5	8
772	Enhanced multiresolution wavelet analysis of complex dynamics in nonlinear systems. <i>Chaos</i> , 2021, 31, 043110.	1.0	8
773	Abnormal flow detection in industrial control network based on deep reinforcement learning. <i>Applied Mathematics and Computation</i> , 2021, 409, 126379.	1.4	8
774	Meningeal Lymphatic Pathway of Brain Clearing From the Blood After Haemorrhagic Injuries. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1232, 63-68.	0.8	8

#	ARTICLE	IF	CITATIONS
775	Sequence-to-sequence prediction of spatiotemporal systems. <i>Chaos</i> , 2020, 30, 023102.	1.0	8
776	Robust fixed-time connectivity preserving consensus of nonlinear multi-agent systems with disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 1469-1486.	2.1	8
777	A survey of the peculiar radio emission of the solar behind-imb event on 16th February 1984. <i>Astronomische Nachrichten</i> , 1990, 311, 55-62.	0.6	7
778	Nonlinear dynamics in cardiovascular diseases. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1997, 30, 935-941.	0.6	7
779	Synchronizing Movements with the Metronome: Nonlinear Error Correction and Unstable Periodic Orbits. <i>Brain and Cognition</i> , 2002, 48, 107-116.	0.8	7
780	SPECTRAL AND CORRELATION ANALYSIS OF SPIRAL CHAOS. <i>Fluctuation and Noise Letters</i> , 2003, 03, L213-L221.	1.0	7
781	Quantification of spatial structure of human proximal tibial bone biopsies using 3D measures of complexity. <i>Acta Astronautica</i> , 2005, 56, 820-830.	1.7	7
782	Rigorous theory of stochastic resonance in overdamped bistable oscillators for weak signals. <i>Chaos, Solitons and Fractals</i> , 2006, 30, 574-578.	2.5	7
783	Response of scale-free networks with community structure to external stimuli. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2987-2994.	1.2	7
784	Spectral Analysis of Synchronization in Mobile Networks. , 2011, , .		7
785	Achieving modulated oscillations by feedback control. <i>Physical Review E</i> , 2014, 90, 022909.	0.8	7
786	Bifurcational Mechanism of Multistability Formation and Frequency Entrainment in a van der Pol Oscillator with an Additional Oscillatory Circuit. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650124.	0.7	7
787	Increased cardiorespiratory coordination in preeclampsia. <i>Physiological Measurement</i> , 2017, 38, 912-924.	1.2	7
788	Coping with dating errors in causality estimation. <i>Europhysics Letters</i> , 2017, 117, 10004.	0.7	7
789	Determining the largest Lyapunov exponent of chaotic dynamics from sequences of interspike intervals contaminated by noise. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	7
790	Cartesian product of synchronization transitions and hysteresis. <i>New Journal of Physics</i> , 2017, 19, 123036.	1.2	7
791	Transient chaos in the Lorenz-type map with periodic forcing. <i>Chaos</i> , 2018, 28, 033107.	1.0	7
792	Spectra of random networks in the weak clustering regime. <i>Europhysics Letters</i> , 2018, 121, 68001.	0.7	7

#	ARTICLE	IF	CITATIONS
793	Characterizing the exceptional 2014 drought event in SÄo Paulo by drought period length. <i>Climate Dynamics</i> , 2018, 51, 433-442.	1.7	7
794	Delayed feedback control of phase synchronisation in a neuronal network model. <i>European Physical Journal: Special Topics</i> , 2018, 227, 1151-1160.	1.2	7
795	Is dynamic desaturation better than a static index to quantify the mortality risk in heart failure patients with Cheyne-Stokes respiration?. <i>Chaos</i> , 2018, 28, 106312.	1.0	7
796	Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018, 28, 085701.	1.0	7
797	Effects of network robustness on explosive synchronization. <i>Physical Review E</i> , 2019, 100, 012312.	0.8	7
798	Transition-event duration in one-dimensional systems under correlated noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121764.	1.2	7
799	Transition path properties for one-dimensional systems driven by Poisson white noise. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110293.	2.5	7
800	Dynamical phenomena in complex networks: fundamentals and applications. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2711-2716.	1.2	7
801	Sleep Apnea-Hypopnea Quantification by Cardiovascular Data Analysis. <i>PLoS ONE</i> , 2014, 9, e107581.	1.1	7
802	Early warning of noise-induced catastrophic high-amplitude oscillations in an airfoil model. <i>Chaos</i> , 2022, 32, 033119.	1.0	7
803	Rijke tube: A nonlinear oscillator. <i>Chaos</i> , 2022, 32, .	1.0	7
804	Estimate of plasma parameters in a coronal loop by means of a fiber burst. <i>Solar Physics</i> , 1987, 108, 131-137.	1.0	6
805	Dynamics of chaos-order interface in coupled map lattices. <i>Physica D: Nonlinear Phenomena</i> , 1997, 103, 330-347.	1.3	6
806	Jamming and asymptotic behavior in competitive random parking of bidisperse cars. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 315, 163-173.	1.2	6
807	INFLUENCE OF TRANSPORT RATES ON THE PROTEIN DEGRADATION BY PROTEASOMES. <i>Biophysical Reviews and Letters</i> , 2006, 01, 375-386.	0.9	6
808	Comparison of Different Methods for the Evaluation of Treatment Effects from the Sleep EEG of Patients with Major Depression. <i>Journal of Biological Physics</i> , 2008, 34, 393-404.	0.7	6
809	The generation of random directed networks with prescribed 1-node and 2-node degree correlations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 224006.	0.7	6
810	ANALYSIS OF HIGH-RESOLUTION MICROELECTRODE EEG RECORDINGS IN AN ANIMAL MODEL OF SPONTANEOUS LIMBIC SEIZURES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 605-617.	0.7	6

#	ARTICLE	IF	CITATIONS
811	Dynamics between order and chaos revisited. European Physical Journal: Special Topics, 2010, 191, 15-27.	1.2	6
812	Concurrent sympathetic activation and vagal withdrawal in hyperthyroidism: Evidence from detrended fluctuation analysis of heart rate variability. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1861-1868.	1.2	6
813	Consensus of Networked Multi-agent Systems with Delays and Fractional-Order Dynamics. Understanding Complex Systems, 2013, , 69-110.	0.3	6
814	The Stress and Vascular Catastrophes in Newborn Rats: Mechanisms Preceding and Accompanying the Brain Hemorrhages. Frontiers in Physiology, 2016, 7, 210.	1.3	6
815	Investigation of complexity dynamics in a DC glow discharge magnetized plasma using recurrence quantification analysis. Physics of Plasmas, 2016, 23, .	0.7	6
816	Dynamics of ensemble of inhibitory coupled Rulkov maps. European Physical Journal: Special Topics, 2016, 225, 147-157.	1.2	6
817	Mathematical analysis of the dynamical transmission of Neisseria meningitidis serogroup A. International Journal of Computer Mathematics, 2017, 94, 2409-2434.	1.0	6
818	Mixed mode oscillations in presence of inverted fireball in an excitable DC glow discharge magnetized plasma. Physics of Plasmas, 2017, 24, .	0.7	6
819	A regime shift in the Sun-Climate connection with the end of the Medieval Climate Anomaly. Scientific Reports, 2017, 7, 11131.	1.6	6
820	LÄvy noise-induced phenomena in CO oxidation on Ir(111) surfaces. Chaos, 2017, 27, 073105.	1.0	6
821	Sampled-Data Consensus of Multi-Agent System in the Presence of Packet Losses. IEEE Access, 2018, 6, 54844-54853.	2.6	6
822	Time dependent stability margin in multistable systems. Chaos, 2018, 28, 093104.	1.0	6
823	Coexistence of oscillation and quenching states: Effect of low-pass active filtering in coupled oscillators. Chaos, 2019, 29, 073110.	1.0	6
824	Stochastic resonance in genetic regulatory networks under LÄvy noise. Europhysics Letters, 2019, 127, 50003.	0.7	6
825	Stationary distribution simulation of rare events under colored Gaussian noise. European Physical Journal B, 2019, 92, 1.	0.6	6
826	Impact of network topology on the stability of DC microgrids. Chaos, 2019, 29, 113109.	1.0	6
827	Instantaneous Cardiac Baroreflex Sensitivity: xBRS Method Quantifies Heart Rate Blood Pressure Variability Ratio at Rest and During Slow Breathing. Frontiers in Neuroscience, 2020, 14, 547433.	1.4	6
828	Anticipation-induced social tipping: can the environment be stabilised by social dynamics?. European Physical Journal: Special Topics, 2021, 230, 3189-3199.	1.2	6

#	ARTICLE	IF	CITATIONS
829	Early Warning of the Pacific Decadal Oscillation Phase Transition Using Complex Network Analysis. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091674.	1.5	6
830	Suppression of noise-induced critical transitions: a linear augmentation method. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3281-3290.	1.2	6
831	Changes in blood-brain barrier permeability characterized from electroencephalograms with a combined wavelet and fluctuation analysis. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	6
832	Statistical analysis of tipping pathways in agent-based models. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3249-3271.	1.2	6
833	Evolving climate network perspectives on global surface air temperature effects of ENSO and strong volcanic eruptions. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3075-3100.	1.2	6
834	Nonlinear consensus-based autonomous vehicle platoon control under event-triggered strategy in the presence of time delays. <i>Applied Mathematics and Computation</i> , 2021, 404, 126246.	1.4	6
835	Mechanisms of Sound-Induced Opening of the Blood-Brain Barrier. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1269, 197-202.	0.8	6
836	Delay master stability of inertial oscillator networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
837	Local Difference Measures between Complex Networks for Dynamical System Model Evaluation. <i>PLoS ONE</i> , 2015, 10, e0118088.	1.1	6
838	Ubiquity of ring structures in the control space of complex oscillators. <i>Chaos</i> , 2021, 31, 101102.	1.0	6
839	Quaternion-Based Attitude Synchronization With an Event-Based Communication Strategy. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 1333-1346.	3.5	6
840	Black-Box Impedance Prediction of Grid-Tied VSCs Under Variable Operating Conditions. <i>IEEE Access</i> , 2022, 10, 1289-1304.	2.6	6
841	Pinning Asymptotic Stabilization of Probabilistic Boolean Networks: A Digraph Approach. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 1251-1260.	2.4	6
842	Recurrence-Based Synchronization Analysis of Weakly Coupled Bursting Neurons Under External ELF Fields. <i>Entropy</i> , 2022, 24, 235.	1.1	6
843	Microwave characteristics of a behind-the-limb proton flare. <i>Solar Physics</i> , 1991, 134, 171-186.	1.0	5
844	SELF-ORGANIZED CRITICALITY MODEL FOR EARTHQUAKES: QUIESCENCE, FORESHOCKS AND AFTERSHOCKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 2249-2255.	0.7	5
845	RECONSTRUCTING DIFFERENTIAL EQUATION FROM A TIME SERIES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 3307-3323.	0.7	5
846	Optimal Length Transportation Hypothesis to Model Proteasome Product Size Distribution. <i>Journal of Biological Physics</i> , 2006, 32, 231-243.	0.7	5



#	ARTICLE	IF	CITATIONS
847	FORCED SYNCHRONIZATION IN MORRISâ€™LECAR NEURONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3523-3528.	0.7	5
848	Predicting phase synchronization of nonâ€™phase-coherent chaos. Europhysics Letters, 2008, 83, 50003.	0.7	5
849	A scenario for torus T2 destruction via a global bifurcation. Chaos, Solitons and Fractals, 2009, 39, 2198-2210.	2.5	5
850	Synthetic multicellular oscillatory systems: controlling protein dynamics with genetic circuits. Physica Scripta, 2011, 84, 045007.	1.2	5
851	Weighted-traffic-networkâ€™based geographic profiling for serial crime location prediction. Europhysics Letters, 2011, 93, 68006.	0.7	5
852	Transition to complete synchronization and global intermittent synchronization in an array of time-delay systems. Physical Review E, 2012, 86, 016212.	0.8	5
853	Hopf bifurcation and multistability in a system of phase oscillators. Physical Review E, 2013, 88, 032908.	0.8	5
854	Testing the detectability of spatioâ€™temporal climate transitions from paleoclimate networks with the START model. Nonlinear Processes in Geophysics, 2014, 21, 691-703.	0.6	5
855	Scaling behaviour for recurrence-based measures at the edge of chaos. Europhysics Letters, 2015, 112, 10005.	0.7	5
856	Parameter and state estimation in a Neisseria meningitidis model: A study case of Niger. Chaos, 2016, 26, 123115.	1.0	5
857	Reviving oscillation with optimal spatial period of frequency distribution in coupled oscillators. Chaos, 2016, 26, 094813.	1.0	5
858	Emotional tendencies in online social networking: a statistical analysis. Systems Science and Control Engineering, 2016, 4, 1-10.	1.8	5
859	Power-functional network. Chaos, 2017, 27, 083116.	1.0	5
860	Characterizing scaling properties of complex signals with missed data segments using the multifractal analysis. Chaos, 2018, 28, 013124.	1.0	5
861	The emergence of multistability and chaos in a two-mode van der Pol generator versus different connection types of linear oscillators. Chaos, 2018, 28, 063118.	1.0	5
862	Transitions between metastable states in a simplified model for the thermohaline circulation under random fluctuations. Applied Mathematics and Computation, 2020, 369, 124868.	1.4	5
863	Cardiac Autonomic Dysfunction and Incidence of de novo Atrial Fibrillation: Heart Rate Variability vs. Heart Rate Complexity. Frontiers in Physiology, 2020, 11, 596844.	1.3	5
864	Bisimulation-based stabilization of probabilistic Boolean control networks with state feedback control. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 268-280.	1.5	5

#	ARTICLE	IF	CITATIONS
865	Succinct Representation of Dynamic Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2983-2994.	4.0	5
866	Variability of the low-level circulation of the South American Monsoon analysed with complex networks. European Physical Journal: Special Topics, 2021, 230, 3101-3120.	1.2	5
867	Trade-off between filtering and symmetry breaking mean-field coupling in inducing macroscopic dynamical states. New Journal of Physics, 2020, 22, 093024.	1.2	5
868	Mixed-mode oscillations for slow-fast perturbed systems. Physica Scripta, 2021, 96, 125258.	1.2	5
869	On a strange recurring type I burst pattern. Solar Physics, 1986, 107, 123-133.	1.0	4
870	Symbolic dynamics behind the singular continuous power spectra of continuous flows. Physica D: Nonlinear Phenomena, 1998, 117, 77-94.	1.3	4
871	Bone architecture assessment with measures of complexity. Acta Astronautica, 2001, 49, 171-178.	1.7	4
872	Controlling chaos in a fluid flow past a movable cylinder. Chaos, Solitons and Fractals, 2003, 15, 255-263.	2.5	4
873	Large-scale dimension densities for heart rate variability analysis. , 2005, , .		4
874	Synchronization Analysis and Recurrence in Complex Systems. , 0, , 231-264.		4
875	Analysis of blood pressure dynamics in male and female rats using the continuous wavelet transform. Physiological Measurement, 2009, 30, 707-717.	1.2	4
876	MODELING AND PARAMETER ESTIMATION OF TUBERCULOSIS WITH APPLICATION TO CAMEROON. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1999-2015.	0.7	4
877	Quantitative approach to the stochastics of bone remodeling. Europhysics Letters, 2012, 97, 28009.	0.7	4
878	GLOBAL AND PARTIAL PHASE SYNCHRONIZATIONS IN ARRAYS OF PIECEWISE LINEAR TIME-DELAY SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250178.	0.7	4
879	Wavelet-analysis of gastric microcirculation in rats with ulcer bleedings. European Physical Journal: Special Topics, 2013, 222, 2705-2712.	1.2	4
880	Coupling analysis of transient cardiovascular dynamics. Biomedizinische Technik, 2013, 58, 131-9.	0.9	4
881	Unraveling the primary mechanisms leading to synchronization response in dissimilar oscillators. European Physical Journal: Special Topics, 2016, 225, 2487-2506.	1.2	4
882	Co-existence of periodic bursts and death of cycles in a population dynamics system. Chaos, 2016, 26, 093111.	1.0	4

#	ARTICLE	IF	CITATIONS
883	Emergence of a common generalized synchronization manifold in network motifs of structurally different time-delay systems. <i>Chaos, Solitons and Fractals</i> , 2016, 93, 235-245.	2.5	4
884	A new approach of analyzing time-varying dynamical equation via an optimal principle. <i>Modern Physics Letters B</i> , 2017, 31, 1750084.	1.0	4
885	Global Stability of the Sync with Amplitude Effects. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017, 16, 1923-1945.	0.7	4
886	Protocol for suppression of phase synchronization in Hodgkin-Huxley-type networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121388.	1.2	4
887	Fully solvable lower dimensional dynamics of Cartesian product of Kuramoto models. <i>New Journal of Physics</i> , 2019, 21, 123019.	1.2	4
888	Can Lévy noise induce coherence and stochastic resonances in a birhythmic van der Pol system?. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	4
889	How Price-Based Frequency Regulation Impacts Stability in Power Grids: A Complex Network Perspective. <i>Complexity</i> , 2020, 2020, 1-10.	0.9	4
890	Hybrid Neural Adaptive Control for Practical Tracking of Markovian Switching Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 2157-2168.	7.2	4
891	Optimization of coupling and global collapse in diffusively coupled socio-ecological resource exploitation networks. <i>New Journal of Physics</i> , 2021, 23, 033027.	1.2	4
892	Scientometric analysis of the <i>Chaos</i> journal (1991-2019): From descriptive statistics to complex networks viewpoints. <i>Chaos</i> , 2021, 31, 043105.	1.0	4
893	A stochastic nonlinear differential propagation model for underwater acoustic propagation: Theory and solution. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111105.	2.5	4
894	Reducing the bystander effect via decreasing group size to solve the collective-risk social dilemma. <i>Applied Mathematics and Computation</i> , 2021, 410, 126445.	1.4	4
895	Fireflies: A Paradigm in Synchronization. <i>Understanding Complex Systems</i> , 2018, , 35-64.	0.3	4
896	Dynamical ergodicity DDA reveals causal structure in time series. <i>Chaos</i> , 2021, 31, 103108.	1.0	4
897	How heterogeneity in connections and cycles matter for synchronization of complex networks. <i>Chaos</i> , 2021, 31, 113134.	1.0	4
898	Extreme events in a class of nonlinear Duffing-type oscillators with a parametric periodic force. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	4
899	Noise-induced effects on the chaotic advection of fluid flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 297, 396-401.	0.9	3
900	Noise, Synchronization and Coherence in Chaotic Oscillators. <i>International Journal of Modern Physics B</i> , 2003, 17, 4023-4044.	1.0	3

#	ARTICLE	IF	CITATIONS
901	Noise-enhanced phase synchronization in time-delayed systems. <i>Physical Review E</i> , 2012, 85, 026218.	0.8	3
902	Order Patterns Networks (ORPAN)â€”a method to estimate time-evolving functional connectivity from multivariate time series. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 91.	1.2	3
903	Multistability of synchronous regimes in rotator ensembles. <i>Chaos</i> , 2015, 25, 123121.	1.0	3
904	Onset and suffusing transitions towards synchronization in complex networks. <i>Europhysics Letters</i> , 2015, 109, 60005.	0.7	3
905	Experimental and modeling analysis of asymmetrical on-off oscillation in coupled non-identical inverted bottle oscillators. <i>Chaos</i> , 2016, 26, 116301.	1.0	3
906	A common lag scenario in quenching of oscillation in coupled oscillators. <i>Chaos</i> , 2016, 26, 083104.	1.0	3
907	Visualizing driving forces of spatially extended systems using the recurrence plot framework. <i>European Physical Journal: Special Topics</i> , 2017, 226, 3273-3285.	1.2	3
908	A dynamic message-passing approach for social contagion in time-varying multiplex networks. <i>Europhysics Letters</i> , 2018, 123, 68004.	0.7	3
909	Novel criteria of ISS analysis for delayed memristive BAM neural networks. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2111-2122.	1.2	3
910	Distributed event-triggered adaptive partial diffusion strategy under dynamic network topology. <i>Chaos</i> , 2020, 30, 063103.	1.0	3
911	A multiplex, multi-timescale model approach for economic and frequency control in power grids. <i>Chaos</i> , 2020, 30, 033138.	1.0	3
912	Dynamic community discovery via common subspace projection. <i>New Journal of Physics</i> , 2021, 23, 033029.	1.2	3
913	Dynamic analysis of synaptic loss and synaptic compensation in the process of associative memory ability decline in Alzheimerâ€™s disease. <i>Applied Mathematics and Computation</i> , 2021, 408, 126372.	1.4	3
914	A Novel Method to Stimulate Lymphatic Clearance of Beta-Amyloid from Mouse Brain Using Noninvasive Music-Induced Opening of the Bloodâ€”Brain Barrier with EEG Markers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10287.	1.3	3
915	Oscillation quenching in diffusively coupled dynamical networks with inertial effects. <i>Chaos</i> , 2022, 32, 041102.	1.0	3
916	The climatic interdependence of extreme-rainfall events around the globe. <i>Chaos</i> , 2022, 32, 043126.	1.0	3
917	Perspectives on the importance of complex systems in understanding our climate and climate changeâ€”The Nobel Prize in Physics 2021. <i>Chaos</i> , 2022, 32, .	1.0	3
918	Some results of a statistical analysis of the S-component of solar radio emission. <i>Solar Physics</i> , 1978, 60, 361-365.	1.0	2

#	ARTICLE	IF	CITATIONS
919	BENOIT B. MANDELBROT: Die fraktale Geometrie der Natur. BirkhÄuser Verlag, Basel, 1987, 491 Seiten. Preis: Sfr 98,-. ISBN 3-7643-1771-X. Astronomische Nachrichten, 1990, 311, 88-88.	0.6	2
920	MODELING THERMAL DISPLACEMENTS IN MODULAR TOOL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2125-2132.	0.7	2
921	MODELING BONE RESORPTION IN 2D CT AND 3D Î¼CT IMAGES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 2995-3009.	0.7	2
922	Automatic control of phase synchronization in coupled complex oscillators. , 0, , .		2
923	ENSEMBLE APPROACH FOR RECOVERING PHASE SYNCHRONIZATION FROM TIME SERIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3557-3563.	0.7	2
924	DYNAMICS OF THE SPREAD OF TUBERCULOSIS IN HETEROGENEOUS COMPLEX METAPOPOPULATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350128.	0.7	2
925	Exact synchronization bound for coupled time-delay systems. Physical Review E, 2013, 87, 044902.	0.8	2
926	Effects of Catastrophic Anemia in an Intra-Host Model of Malaria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450105.	0.7	2
927	Synchrony based learning rule of Hopfield like chaotic neural networks with desirable structure. Cognitive Neurodynamics, 2014, 8, 151-156.	2.3	2
928	Global and local performance metric with inertia effects. Nonlinear Dynamics, 2020, 102, 653-665.	2.7	2
929	Optimal meanÄsquare consensus for heterogeneous multiÄagent system with probabilistic time delay. IET Control Theory and Applications, 2021, 15, 1043-1053.	1.2	2
930	Resonance characteristics of stochastic dual Duffing oscillators with coupled APHC. Journal of Sound and Vibration, 2021, 498, 115981.	2.1	2
931	Performance measures after perturbations in the presence of inertia. Communications in Nonlinear Science and Numerical Simulation, 2021, 97, 105727.	1.7	2
932	Spatial patterns in EEG activity during monotonous sound perception test. European Physical Journal Plus, 2021, 136, 1.	1.2	2
933	Effects of propagation delay in coupled oscillators under directÄindirect coupling: Theory and experiment. Chaos, 2021, 31, 073115.	1.0	2
934	Predicting the Amplitude of Thermoacoustic Instability Using Universal Scaling Behavior. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	2
935	Dynamic analysis of disease progression in AlzheimerÄ™s disease under the influence of hybrid synapse and spatially correlated noise. Neurocomputing, 2021, 456, 23-35.	3.5	2
936	Mass transfer rate and outburst cycle of SS Cygni. Astrophysical Journal, 1993, 412, L41.	1.6	2

#	ARTICLE	IF	CITATIONS
937	Lymphatic clearance from the blood after subarachnoid hemorrhages. , 2019, , .		2
938	Iterative learning control in prosumer-based microgrids with hierarchical control. IFAC-PapersOnLine, 2020, 53, 12251-12258.	0.5	2
939	Transitions in a noisy birhythmic vibro-impact oscillator with improved memory damping regime. Nonlinear Dynamics, 2022, 108, 1045-1070.	2.7	2
940	A simple game and its dynamical richness for modeling synchronization in firefly-like oscillators. European Physical Journal: Special Topics, 2022, 231, 203-212.	1.2	2
941	Phase Coherence Between Surrounding Oceans Enhances Precipitation Shortages in Northeast Brazil. Geophysical Research Letters, 2022, 49, .	1.5	2
942	Impulsive feedback control of birhythmicity: Theory and experiment. Chaos, 2022, 32, 053125.	1.0	2
943	Emergency rate-driven control for rotor angle instability in power systems. Chaos, 2022, 32, 061102.	1.0	2
944	Seeds of phase transition to thermoacoustic instability. New Journal of Physics, 2022, 24, 063008.	1.2	2
945	CONCEPTUAL MODEL OF RUNOFF FROM A FORESTED CATCHMENT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2567-2578.	0.7	1
946	Noise Induced Burst Synchronization in Fiber Ring Lasers. AIP Conference Proceedings, 2003, , .	0.3	1
947	Noise-enhanced phase synchronization of weakly coupled chaotic oscillators. , 0, , .		1
948	Supermodeling by Combining Imperfect Models. Procedia Computer Science, 2011, 7, 261-263.	1.2	1
949	QUANTIFYING CHANGES IN THE SPATIAL STRUCTURE OF TRABECULAR BONE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250027.	0.7	1
950	Diminished heart beat non-stationarities in congestive heart failure. Frontiers in Physiology, 2013, 4, 107.	1.3	1
951	Neuronal excitability level transition induced by electrical stimulation. European Physical Journal: Special Topics, 2014, 223, 2913-2922.	1.2	1
952	Editorial: Chaosâ€™From simple models to real-world problems. Chaos, 2016, 26, 030401.	1.0	1
953	Hybrid multiscale coarse-graining for dynamics on complex networks. Chaos, 2018, 28, 123122.	1.0	1
954	The stability of memristive multidirectional associative memory neural networks with time-varying delays in the leakage terms via sampled-data control. PLoS ONE, 2018, 13, e0204002.	1.1	1

#	ARTICLE	IF	CITATIONS
955	Adaptive clustering based on element-wised distance for distributed estimation over multi-task networks. <i>Chaos</i> , 2020, 30, 053116.	1.0	1
956	Quantifying model uncertainty for the observed non-Gaussian data by the Hellinger distance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 96, 105720.	1.7	1
957	Dynamics of Multicellular Synthetic Gene Networks. <i>World Scientific Lecture Notes in Complex Systems</i> , 2009, , 33-58.	0.1	1
958	Detection of coupling directions with intersystem recurrence networks. <i>IEICE Proceeding Series</i> , 2014, 1, 231-234.	0.0	1
959	Synchronization Analysis of Neuronal Networks by Means of Recurrence Plots. , 2007, , 177-191.		1
960	IEEE Access Special Section Editorial: Big Data Learning and Discovery. <i>IEEE Access</i> , 2021, 9, 158064-158073.	2.6	1
961	Introduction to focus issue: In memory of Vadim S. Anishchenko: Statistical physics and nonlinear dynamics of complex systems. <i>Chaos</i> , 2022, 32, 010401.	1.0	1
962	R. H. ABRAHAM und C. D. SHAW: Dynamics â€” The Geometry of Behavior, Part 3: Global Behavior, 1988, 123 Seiten mit 136 Illustrationen. Aerial Press, Inc., Santa Cruz, Preis: \$30.-. ISBN 0-0942344-03-04. <i>Astronomische Nachrichten</i> , 1990, 311, 207-208.	0.6	0
963	On the Chaotic Nature of Solar Activity. <i>International Astronomical Union Colloquium</i> , 1993, 132, 13-20.	0.1	0
964	Relativistic Astrophysics: 162. WEâ€”Heraeusâ€”Seminar/Physics and Dynamics between Chaos, Order, and Noise: Chaos, Order, and Noise/Quantum Chaos and Dissipation: 164. WEâ€”Heraeusâ€”Seminar. <i>Physik Journal</i> , 1996, 52, 1250-1251.	0.1	0
965	Synchronization transitions in coupled chaotic oscillators. , 1997, , .		0
966	Spahnet al.reply.. <i>Physical Review Letters</i> , 1998, 80, 5709-5709.	2.9	0
967	Modeling cognitive control in simple movements. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
968	Detection of phase synchronization from the data: Application to physiology. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
969	Predicting Phase Synchronization from Non-synchronized Chaotic Data. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
970	Spatiotemporal Distributions of Unstable Periodic Orbits in Noisy Coupled Chaotic Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 2673-2680.	0.7	0
971	Controlled phase synchronization in oscillatory networks. , 0, , .		0
972	Predicting Phase Synchronization for Homoclinic Chaos in a CO2 Laser. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0

#	ARTICLE	IF	CITATIONS
973	Synchronization of chaotic intermittent behavior. , 0, , .		0
974	Constructing a Virtual Proteasome. , 0, , 373-400.		0
975	Feedback suppression of neural synchrony. AIP Conference Proceedings, 2007, , .	0.3	0
976	Chaos and nonlinear dynamics: Advances and perspectives. European Physical Journal: Special Topics, 2008, 165, 1-4.	1.2	0
977	Announcement: Focus Issue on "Dynamics in Systems Biology" Chaos, 2010, 20, 010201.	1.0	0
978	Complex Synchronization and Recurrence Analyses "re such Nonlinear Techniques Useful for Brain Oscillation Studies?. Biomedizinische Technik, 2012, 57, .	0.9	0
979	PHASE AND COMPLETE SYNCHRONIZATIONS IN TIME-DELAY SYSTEMS. , 2013, , 404-427.		0
980	Heart rate dynamics assessed by different strategies of symbolization. , 2014, , .		0
981	Quantifying the causal strength of multivariate cardiovascular couplings with momentary information transfer. , 2014, , .		0
982	Editorial: Time to thank, honor, and welcome. Chaos, 2016, 26, 080401.	1.0	0
983	Editorial: Fast Track" A new section for accelerated publication in CHAOS. Chaos, 2016, 26, .	1.0	0
984	Event-Triggered Multi-equilibrium Control of Dynamical Networks. , 2018, , .		0
985	Referee acknowledgment for 2017. Chaos, 2018, 28, 020201.	1.0	0
986	Editorial: In memoriam" Valentin S. (Valya) Afraimovich (2 April 1945"21 February 2018). Chaos, 2018, 28, 040401.	1.0	0
987	Referee acknowledgment for 2018. Chaos, 2019, 29, .	1.0	0
988	Referee acknowledgment for 2019. Chaos, 2020, 30, .	1.0	0
989	Macroscopic approximation methods for the analysis of adaptive networked agent-based models: Example of a two-sector investment model. Physical Review E, 2020, 102, 042311.	0.8	0
990	Fixed-Time Connectivity Preserving Tracking Consensus of Multiagent Systems with Disturbances. Complexity, 2020, 2020, 1-8.	0.9	0



#	ARTICLE	IF	CITATIONS
991	IEEE Access Special Section Editorial: Recent Advances on Hybrid Complex Networks: Analysis and Control. IEEE Access, 2021, 9, 95083-95086.	2.6	0
992	Referee acknowledgment for 2020. Chaos, 2021, 31, .	1.0	0
993	Mean-square tracking consensus of heterogeneous multi-agent systems with additive noise and time delay. International Journal of Control, 0, , 1-12.	1.2	0
994	DETECTION OF PHASE SYNCHRONIZATION IN HUMAN MEG DATA. , 2000, , .		0
995	Continuous wavelet spectral analysis of climate dynamics. World Scientific Lecture Notes in Complex Systems, 2007, , 325-346.	0.1	0
996	Critical states of seismicity â€œ Implications from a physical model for the seismic cycle. World Scientific Lecture Notes in Complex Systems, 2007, , 371-396.	0.1	0
997	Network of Networks and the Climate System. IEICE Proceeding Series, 2014, 1, 170-170.	0.0	0
998	10.1063/1.4968852.1. , 2016, , .		0
999	Measures of complexity for cancellous bone. Technology and Health Care, 1998, 6, 373-90.	0.5	0
1000	GB20 Pharmacopuncture As a Potential Method for Brain Drug Delivery via the Perivascular Spaces. JAMS Journal of Acupuncture and Meridian Studies, 2022, 15, 43-49.	0.3	0
1001	Referee acknowledgment for 2021. Chaos, 2022, 32, 040201.	1.0	0
1002	Brain Connectivity Structure in Spinal Cord Injured: Evaluation by Graph Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0