

D JÃ¼rgen Kurths

List of Publications by Year in descending order

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1,002
papers

67,506
citations

1094

112
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1027
docs citations

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times ranked

26503
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Abnormal detection technology of industrial control system based on transfer learning. <i>Applied Mathematics and Computation</i> , 2022, 412, 126539.	1.4	11
5	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
6	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
7	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
8	MFDFA: Efficient multifractal detrended fluctuation analysis in python. <i>Computer Physics Communications</i> , 2022, 273, 108254.	3.0	21
9	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
10	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
11	Black-Box Impedance Prediction of Grid-Tied VSCs Under Variable Operating Conditions. <i>IEEE Access</i> , 2022, 10, 1289-1304.	2.6	6
12	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
13	Recurrence-Based Synchronization Analysis of Weakly Coupled Bursting Neurons Under External ELF Fields. <i>Entropy</i> , 2022, 24, 235.	1.1	6
14	Eliminating poverty through social mobility promotes cooperation in social dilemmas. <i>Chaos, Solitons and Fractals</i> , 2022, 156, 111845.	2.5	9
15	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
16	Relay interlayer synchronisation: invariance and stability conditions. <i>Nonlinearity</i> , 2022, 35, 681-718.	0.6	11
17	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
18	GB20 Pharmacopuncture As a Potential Method for Brain Drug Delivery via the Perivascular Spaces. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2022, 15, 43-49.	0.3	0

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19	Transitions in a noisy birhythmic vibro-impact oscillator with improved memory damping regime. <i>Nonlinear Dynamics</i> , 2022, 108, 1045-1070.	2.7	2
20	Collective nonlinear dynamics and self-organization in decentralized power grids. <i>Reviews of Modern Physics</i> , 2022, 94, .	16.4	57
21	Evolutionary multigame with conformists and profiteers based on dynamic complex networks. <i>Chaos</i> , 2022, 32, 023117.	1.0	18
22	A simple game and its dynamical richness for modeling synchronization in firefly-like oscillators. <i>European Physical Journal: Special Topics</i> , 2022, 231, 203-212.	1.2	2
23	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
24	Early warning of noise-induced catastrophic high-amplitude oscillations in an airfoil model. <i>Chaos</i> , 2022, 32, 033119.	1.0	7
25	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
26	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
27	Oscillation quenching in diffusively coupled dynamical networks with inertial effects. <i>Chaos</i> , 2022, 32, 041102.	1.0	3
28	Fully distributed observer-based consensus protocol: Adaptive dynamic event-triggered schemes. <i>Automatica</i> , 2022, 139, 110188.	3.0	73
29	Referee acknowledgment for 2021. <i>Chaos</i> , 2022, 32, 040201.	1.0	0
30	The climatic interdependence of extreme-rainfall events around the globe. <i>Chaos</i> , 2022, 32, 043126.	1.0	3
31	Phase Coherence Between Surrounding Oceans Enhances Precipitation Shortages in Northeast Brazil. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
32	Coherence-resonance chimeras in coupled HR neurons with alpha-stable Lévy noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022, 2022, 053501.	0.9	11
33	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
34	Impulsive feedback control of birhythmicity: Theory and experiment. <i>Chaos</i> , 2022, 32, 053125.	1.0	2
35	Perspectives on the importance of complex systems in understanding our climate and climate change – The Nobel Prize in Physics 2021. <i>Chaos</i> , 2022, 32, .	1.0	3
36	Emergency rate-driven control for rotor angle instability in power systems. <i>Chaos</i> , 2022, 32, 061102.	1.0	2

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37	Seeds of phase transition to thermoacoustic instability. <i>New Journal of Physics</i> , 2022, 24, 063008.	1.2	2
38	Complex nonlinear dynamics and vibration suppression of conceptual airfoil models: A state-of-the-art overview. <i>Chaos</i> , 2022, 32, .	1.0	26
39	Rijke tube: A nonlinear oscillator. <i>Chaos</i> , 2022, 32, .	1.0	7
40	A Complex Network-Based Broad Learning System for Detecting Driver Fatigue From EEG Signals. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5800-5808.	5.9	57
41	Succinct Representation of Dynamic Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 2983-2994.	4.0	5
42	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
43	Statistical physics approaches to the complex Earth system. <i>Physics Reports</i> , 2021, 896, 1-84.	10.3	79
44	Dynamic transport: From bifurcation to multistability. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105600.	1.7	20
45	Synchronization of coupled memristive competitive BAM neural networks with different time scales. <i>Neurocomputing</i> , 2021, 427, 110-117.	3.5	26
46	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
47	Extended detrended fluctuation analysis: effects of nonstationarity and application to sleep data. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	10
48	IEEE Access Special Section Editorial: Recent Advances on Hybrid Complex Networks: Analysis and Control. <i>IEEE Access</i> , 2021, 9, 95083-95086.	2.6	0
49	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
50	Asymptotic Stability of Boolean Networks With Multiple Missing Data. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 6093-6099.	3.6	13
51	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
52	Optimal mean-square consensus for heterogeneous multi-agent system with probabilistic time delay. <i>IET Control Theory and Applications</i> , 2021, 15, 1043-1053.	1.2	2
53	Referee acknowledgment for 2020. <i>Chaos</i> , 2021, 31, .	1.0	0
54	New color image cryptosystem via SHA-512 and hybrid domain. <i>Multimedia Tools and Applications</i> , 2021, 80, 18875-18899.	2.6	9

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55	A unified and automated approach to attractor reconstruction. <i>New Journal of Physics</i> , 2021, 23, 033017.	1.2	26
56	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
57	Dynamic community discovery via common subspace projection. <i>New Journal of Physics</i> , 2021, 23, 033029.	1.2	3
58	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
59	Rate-dependent bifurcation dodging in a thermoacoustic system driven by colored noise. <i>Nonlinear Dynamics</i> , 2021, 104, 2733-2743.	2.7	17
60	Scientometric analysis of the <i>Chaos</i> journal (1991â€“2019): From descriptive statistics to complex networks viewpoints. <i>Chaos</i> , 2021, 31, 043105.	1.0	4
61	Anticipation-induced social tipping: can the environment be stabilised by social dynamics?. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3189-3199.	1.2	6
62	Emergence of Neuronal Synchronisation in Coupled Areas. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 663408.	1.2	13
63	Enhanced multiresolution wavelet analysis of complex dynamics in nonlinear systems. <i>Chaos</i> , 2021, 31, 043110.	1.0	8
64	Early Warning of the Pacific Decadal Oscillation Phase Transition Using Complex Network Analysis. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091674.	1.5	6
65	Complex systems approaches for Earth system data analysis. <i>Journal of Physics Complexity</i> , 2021, 2, 011001.	0.9	10
66	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
67	Detection of dynamical regime transitions with lacunarity as a multiscale recurrence quantification measure. <i>Nonlinear Dynamics</i> , 2021, 104, 3955-3973.	2.7	14
68	Characterizing stochastic resonance in a triple cavity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200230.	1.6	10
69	Resonance characteristics of stochastic dual Duffing oscillators with coupled APHC. <i>Journal of Sound and Vibration</i> , 2021, 498, 115981.	2.1	2
70	Suppression of noise-induced critical transitions: a linear augmentation method. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3281-3290.	1.2	6
71	Recurrence analysis of extreme event-like data. <i>Nonlinear Processes in Geophysics</i> , 2021, 28, 213-229.	0.6	15
72	Changes in bloodâ€“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

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73	Quantifying model uncertainty for the observed non-Gaussian data by the Hellinger distance. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105720.	1.7	1
74	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
75	First-passage problem for stochastic differential equations with combined parametric Gaussian and Lévy white noises via path integral method. Journal of Computational Physics, 2021, 435, 110264.	1.9	30
76	Performance measures after perturbations in the presence of inertia. Communications in Nonlinear Science and Numerical Simulation, 2021, 97, 105727.	1.7	2
77	Statistical analysis of tipping pathways in agent-based models. European Physical Journal: Special Topics, 2021, 230, 3249-3271.	1.2	6
78	Brain Mechanisms of COVID-19-Sleep Disorders. International Journal of Molecular Sciences, 2021, 22, 6917.	1.8	26
79	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
80	Interacting tipping elements increase risk of climate domino effects under global warming. Earth System Dynamics, 2021, 12, 601-619.	2.7	227
81	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
82	Photomodulation of lymphatic delivery of liposomes to the brain bypassing the blood-brain barrier: new perspectives for glioma therapy. Nanophotonics, 2021, 10, 3215-3227.	2.9	20
83	Spatial patterns in EEG activity during monotonous sound perception test. European Physical Journal Plus, 2021, 136, 1.	1.2	2
84	Effects of propagation delay in coupled oscillators under direct and indirect coupling: Theory and experiment. Chaos, 2021, 31, 073115.	1.0	2
85	Complex network approach for detecting tropical cyclones. Climate Dynamics, 2021, 57, 3355-3364.	1.7	12
86	Neuronal synchronization in long-range time-varying networks. Chaos, 2021, 31, 073129.	1.0	18
87	Finite-time and fixed-time synchronization for a class of memristor-based competitive neural networks with different time scales. Chaos, Solitons and Fractals, 2021, 148, 111033.	2.5	25
88	Chimera states in coupled Hindmarsh-Rose neurons with $\hat{\pm}$ -stable noise. Chaos, Solitons and Fractals, 2021, 148, 110976.	2.5	21
89	Fixed-interval smoothing of an aeroelastic airfoil model with cubic or free-play nonlinearity in incompressible flow. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 1168.	1.5	22
90	Predicting the Amplitude of Thermoacoustic Instability Using Universal Scaling Behavior. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	2

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91	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
92	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
93	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
94	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
95	Dynamical phenomena in complex networks: fundamentals and applications. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2711-2716.	1.2	7
96	Tipping in complex systems: theory, methods and applications. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3177-3179.	1.2	9
97	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
98	Dynamic analysis of disease progression in Alzheimer's disease under the influence of hybrid synapse and spatially correlated noise. <i>Neurocomputing</i> , 2021, 456, 23-35.	3.5	2
99	Quenching, aging, and reviving in coupled dynamical networks. <i>Physics Reports</i> , 2021, 931, 1-72.	10.3	62
100	Dynamic analysis of synaptic loss and synaptic compensation in the process of associative memory ability decline in Alzheimer's disease. <i>Applied Mathematics and Computation</i> , 2021, 408, 126372.	1.4	3
101	Abnormal flow detection in industrial control network based on deep reinforcement learning. <i>Applied Mathematics and Computation</i> , 2021, 409, 126379.	1.4	8
102	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
103	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
104	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
105	Small-Signal Stability of Multi-Converter Infeed Power Grids with Symmetry. <i>Symmetry</i> , 2021, 13, 157.	1.1	11
106	Quantifying the parameter dependent basin of the unsafe regime of asymmetric Lévy-noise-induced critical transitions. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 65-84.	1.9	27
107	Fixed-time formation tracking for multiple nonholonomic wheeled mobile robots based on distributed observer. <i>Nonlinear Dynamics</i> , 2021, 106, 3331-3349.	2.7	15
108	Dynamical ergodicity DDA reveals causal structure in time series. <i>Chaos</i> , 2021, 31, 103108.	1.0	4

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109	Ubiquity of ring structures in the control space of complex oscillators. <i>Chaos</i> , 2021, 31, 101102.	1.0	6
110	A Novel Method to Stimulate Lymphatic Clearance of Beta-Amyloid from Mouse Brain Using Noninvasive Music-Induced Opening of the Blood-Brain Barrier with EEG Markers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10287.	1.3	3
111	Enhanced synchronization due to intermittent noise. <i>New Journal of Physics</i> , 2021, 23, 112001.	1.2	14
112	Rate-dependent tipping and early warning in a thermoacoustic system under extreme operating environment. <i>Chaos</i> , 2021, 31, 113115.	1.0	12
113	How heterogeneity in connections and cycles matter for synchronization of complex networks. <i>Chaos</i> , 2021, 31, 113134.	1.0	4
114	Mixed-mode oscillations for slow-fast perturbed systems. <i>Physica Scripta</i> , 2021, 96, 125258.	1.2	5
115	The impact of COVID-19 on the worldwide air transportation network. <i>Royal Society Open Science</i> , 2021, 8, 210682.	1.1	22
116	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
117	Night Photostimulation of Clearance of Beta-Amyloid from Mouse Brain: New Strategies in Preventing Alzheimer's Disease. <i>Cells</i> , 2021, 10, 3289.	1.8	29
118	IEEE Access Special Section Editorial: Big Data Learning and Discovery. <i>IEEE Access</i> , 2021, 9, 158064-158073.	2.6	1
119	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
120	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
121	Twisting-Based Finite-Time Consensus for Euler-Lagrange Systems With an Event-Triggered Strategy. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 1007-1018.	4.1	43
122	Fixed-time Synchronization of Complex-valued Memristive BAM Neural Network and Applications in Image Encryption and Decryption. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 462-476.	1.6	42
123	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
124	Transitions between metastable states in a simplified model for the thermohaline circulation under random fluctuations. <i>Applied Mathematics and Computation</i> , 2020, 369, 124868.	1.4	5
125	Influence of Delayed Conductance on Neuronal Synchronization. <i>Frontiers in Physiology</i> , 2020, 11, 1053.	1.3	13
126	When Autonomous Systems Meet Accuracy and Transferability through AI: A Survey. <i>Patterns</i> , 2020, 1, 100050.	3.1	15

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127	Instantaneous Cardiac Baroreflex Sensitivity: xBRS Method Quantifies Heart Rate Blood Pressure Variability Ratio at Rest and During Slow Breathing. <i>Frontiers in Neuroscience</i> , 2020, 14, 547433.	1.4	6
128	Stochastic dynamics driven by combined Lvy Gaussian noise: fractional Fokker-Planck-Kolmogorov equation and solution. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 385001.	0.7	16
129	Photostimulation of Extravasation of Beta-Amyloid through the Model of Blood-Brain Barrier. <i>Electronics (Switzerland)</i> , 2020, 9, 1056.	1.8	15
130	Photostimulation of cerebral and peripheral lymphatic functions. <i>Translational Biophotonics</i> , 2020, 2, e201900036.	1.4	28
131	Transition path properties for one-dimensional systems driven by Poisson white noise. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110293.	2.5	7
132	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
133	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
134	Communicating sentiment and outlook reverses inaction against collective risks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17650-17655.	3.3	68
135	Can Lvy 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
136	Global and local performance metric with inertia effects. <i>Nonlinear Dynamics</i> , 2020, 102, 653-665.	2.7	2
137	Asymptotic scaling describing signal propagation in complex networks. <i>Nature Physics</i> , 2020, 16, 1082-1083.	6.5	18
138	Referee acknowledgment for 2019. <i>Chaos</i> , 2020, 30, .	1.0	0
139	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
140	Fingerprint of volcanic forcing on the ENSO-Indian monsoon coupling. <i>Science Advances</i> , 2020, 6, .	4.7	39
141	Statistical solution to SDEs with α -stable Lvy noise via deep neural network. <i>International Journal of Dynamics and Control</i> , 2020, 8, 1129-1140.	1.5	21
142	Overview of Compressed Sensing: Sensing Model, Reconstruction Algorithm, and Its Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5909.	1.3	40
143	Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 604563.	1.2	21
144	Cardiac Autonomic Dysfunction and Incidence of de novo Atrial Fibrillation: Heart Rate Variability vs. Heart Rate Complexity. <i>Frontiers in Physiology</i> , 2020, 11, 596844.	1.3	5

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145	Macroscopic approximation methods for the analysis of adaptive networked agent-based models: Example of a two-sector investment model. <i>Physical Review E</i> , 2020, 102, 042311.	0.8	0
146	Rate-dependent tipping-delay phenomenon in a thermoacoustic system with colored noise. <i>Science China Technological Sciences</i> , 2020, 63, 2315-2327.	2.0	42
147	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
148	Extended detrended fluctuation analysis of sound-induced changes in brain electrical activity. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 109989.	2.5	15
149	Distributed event-triggered adaptive partial diffusion strategy under dynamic network topology. <i>Chaos</i> , 2020, 30, 063103.	1.0	3
150	Precursor criteria for noise-induced critical transitions in multi-stable systems. <i>Nonlinear Dynamics</i> , 2020, 101, 21-35.	2.7	13
151	Adaptive clustering based on element-wised distance for distributed estimation over multi-task networks. <i>Chaos</i> , 2020, 30, 053116.	1.0	1
152	Event-Triggered Consensus Control for High-Speed Train With Time-Varying Actuator Fault. <i>IEEE Access</i> , 2020, 8, 50553-50564.	2.6	10
153	Wavelet entropy-based evaluation of intrinsic predictability of time series. <i>Chaos</i> , 2020, 30, 033117.	1.0	40
154	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
155	Fixed-time synchronization of fractional order memristive MAM neural networks by sliding mode control. <i>Neurocomputing</i> , 2020, 401, 364-376.	3.5	30
156	The steady current analysis in a periodic channel driven by correlated noises. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109766.	2.5	10
157	A multiplex, multi-timescale model approach for economic and frequency control in power grids. <i>Chaos</i> , 2020, 30, 033138.	1.0	3
158	Synchronization transition from chaos to limit cycle oscillations when a locally coupled chaotic oscillator grid is coupled globally to another chaotic oscillator. <i>Chaos</i> , 2020, 30, 033121.	1.0	15
159	How Price-Based Frequency Regulation Impacts Stability in Power Grids: A Complex Network Perspective. <i>Complexity</i> , 2020, 2020, 1-10.	0.9	4
160	Universality in the emergence of oscillatory instabilities in turbulent flows. <i>Europhysics Letters</i> , 2020, 129, 24004.	0.7	18
161	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
162	Rate-induced transitions and advanced takeoff in power systems. <i>Chaos</i> , 2020, 30, 061103.	1.0	11

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163	Introduction to Focus Issue: When machine learning meets complex systems: Networks, chaos, and nonlinear dynamics. <i>Chaos</i> , 2020, 30, 063151.	1.0	62
164	Bisimulation-based stabilization of probabilistic Boolean control networks with state feedback control. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 268-280.	1.5	5
165	Dynamic Network Characteristics of Power-electronics-based Power Systems. <i>Scientific Reports</i> , 2020, 10, 9946.	1.6	15
166	Recurrence analysis of slow–fast systems. <i>Chaos</i> , 2020, 30, 063152.	1.0	12
167	Short-term forecasts of the COVID-19 pandemic: a study case of Cameroon. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110106.	2.5	33
168	Fixed-Time Connectivity Preserving Tracking Consensus of Multiagent Systems with Disturbances. <i>Complexity</i> , 2020, 2020, 1-8.	0.9	0
169	Monte Carlo basin bifurcation analysis. <i>New Journal of Physics</i> , 2020, 22, 033032.	1.2	9
170	Network-induced multistability through lossy coupling and exotic solitary states. <i>Nature Communications</i> , 2020, 11, 592.	5.8	64
171	Universal gap scaling in percolation. <i>Nature Physics</i> , 2020, 16, 455-461.	6.5	25
172	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
173	The maximum likelihood climate change for global warming under the influence of greenhouse effect and Lévy noise. <i>Chaos</i> , 2020, 30, 013132.	1.0	32
174	Solving Fokker-Planck equation using deep learning. <i>Chaos</i> , 2020, 30, 013133.	1.0	66
175	Bistability and stochastic jumps in an airfoil system with viscoelastic material property and random fluctuations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 84, 105184.	1.7	50
176	Parameter-free quantification of stochastic and chaotic signals. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109616.	2.5	18
177	Swing equation in power systems: Approximate analytical solution and bifurcation curve estimate. <i>Chaos</i> , 2020, 30, 013110.	1.0	17
178	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
179	Motor execution reduces EEG signals complexity: Recurrence quantification analysis study. <i>Chaos</i> , 2020, 30, 023111.	1.0	47
180	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
181	Epidemics with mutating infectivity on small-world networks. <i>Scientific Reports</i> , 2020, 10, 5919.	1.6	22
182	Sequence-to-sequence prediction of spatiotemporal systems. <i>Chaos</i> , 2020, 30, 023102.	1.0	8
183	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
184	Trade-off between filtering and symmetry breaking mean-field coupling in inducing macroscopic dynamical states. <i>New Journal of Physics</i> , 2020, 22, 093024.	1.2	5
185	Basin stability and limit cycles in a conceptual model for climate tipping cascades. <i>New Journal of Physics</i> , 2020, 22, 123031.	1.2	13
186	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
187	The accumulative law and its probability model: an extension of the Pareto distribution and the log-normal distribution. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200019.	1.0	15
188	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
189	Delay master stability of inertial oscillator networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
190	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
191	Iterative learning control in prosumer-based microgrids with hierarchical control. <i>IFAC-PapersOnLine</i> , 2020, 53, 12251-12258.	0.5	2
192	Modeling Fireflies Synchronization. <i>Advances in Dynamics, Patterns, Cognition</i> , 2019, , 131-156.	0.2	10
193	Linear dynamical modes as new variables for data-driven ENSO forecast. <i>Climate Dynamics</i> , 2019, 52, 2199-2216.	1.7	25
194	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
195	Characterization of SSMVEP-based EEG signals using multiplex limited penetrable horizontal visibility graph. <i>Chaos</i> , 2019, 29, 073119.	1.0	14
196	Predicting noise-induced critical transitions in bistable systems. <i>Chaos</i> , 2019, 29, 081102.	1.0	38
197	Phase transition to synchronization in generalized Kuramoto model with low-pass filter. <i>Physical Review E</i> , 2019, 100, 012209.	0.8	13
198	On the emergence of large clusters of acoustic power sources at the onset of thermoacoustic instability in a turbulent combustor. <i>Journal of Fluid Mechanics</i> , 2019, 874, 455-482.	1.4	28

#	ARTICLE	IF	CITATIONS
199	Coexistence of oscillation and quenching states: Effect of low-pass active filtering in coupled oscillators. <i>Chaos</i> , 2019, 29, 073110.	1.0	6
200	Effects of network robustness on explosive synchronization. <i>Physical Review E</i> , 2019, 100, 012312.	0.8	7
201	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
202	$\hat{\pm}$ -stable noise-induced coherence on a spatially extended Fitzhughâ€“Nagumo system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 103501.	0.9	12
203	Unravelling the spatial diversity of Indian precipitation teleconnections via a non-linear multi-scale approach. <i>Nonlinear Processes in Geophysics</i> , 2019, 26, 251-266.	0.6	49
204	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
205	The influences of correlated spatially random perturbations on first passage time in a linear-cubic potential. <i>Chaos</i> , 2019, 29, 101102.	1.0	13
206	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
207	Stochastic resonance in genetic regulatory networks under LÃ©vy noise. <i>Europhysics Letters</i> , 2019, 127, 50003.	0.7	6
208	Effects of dynamical and structural modifications on synchronization. <i>Chaos</i> , 2019, 29, 083131.	1.0	9
209	Percept-related EEG classification using machine learning approach and features of functional brain connectivity. <i>Chaos</i> , 2019, 29, 093110.	1.0	26
210	Effects of LÃ©vy noise on the Fitzhughâ€“Nagumo model: A perspective on the maximal likely trajectories. <i>Journal of Theoretical Biology</i> , 2019, 480, 166-174.	0.8	12
211	Slowing down critical transitions via Gaussian white noise and periodic force. <i>Science China Technological Sciences</i> , 2019, 62, 2144-2152.	2.0	38
212	Neural Interactions in a Spatially-Distributed Cortical Network During Perceptual Decision-Making. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 220.	1.0	47
213	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
214	Complex networks reveal global pattern of extreme-rainfall teleconnections. <i>Nature</i> , 2019, 566, 373-377.	13.7	241
215	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
216	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

#	ARTICLE	IF	CITATIONS
217	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
218	Recognition of electroencephalographic patterns related to human movements or mental intentions with multiresolution analysis. Chaos, Solitons and Fractals, 2019, 126, 230-235.	2.5	8
219	Transition-event duration in one-dimensional systems under correlated noise. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121764.	1.2	7
220	Spike chimera states and firing regularities in neuronal hypernetworks. Chaos, 2019, 29, 053115.	1.0	49
221	Fixed-time synchronization control of memristive MAM neural networks with mixed delays and application in chaotic secure communication. Chaos, Solitons and Fractals, 2019, 126, 85-96.	2.5	61
222	Effect of filtered feedback on birhythmicity: Suppression of birhythmic oscillation. Physical Review E, 2019, 99, 062210.	0.8	14
223	Statistical Properties and Predictability of Extreme Epileptic Events. Scientific Reports, 2019, 9, 7243.	1.6	75
224	Protocol for suppression of phase synchronization in Hodgkin-Huxley-type networks. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121388.	1.2	4
225	First-passage-time distribution in a moving parabolic potential with spatial roughness. Physical Review E, 2019, 99, 052203.	0.8	21
226	Sparse learning of partial differential equations with structured dictionary matrix. Chaos, 2019, 29, 043130.	1.0	17
227	Quenching and revival of oscillations induced by coupling through adaptive variables. Physical Review E, 2019, 99, 032214.	0.8	15
228	Bistable Firing Pattern in a Neural Network Model. Frontiers in Computational Neuroscience, 2019, 13, 19.	1.2	28
229	Referee acknowledgment for 2018. Chaos, 2019, 29, .	1.0	0
230	Stationary distribution simulation of rare events under colored Gaussian noise. European Physical Journal B, 2019, 92, 1.	0.6	6
231	Interplay between random fluctuations and rate dependent phenomena at slow passage to limit-cycle oscillations in a bistable thermoacoustic system. Chaos, 2019, 29, 031102.	1.0	10
232	Framework of Evolutionary Algorithm for Investigation of Influential Nodes in Complex Networks. IEEE Transactions on Evolutionary Computation, 2019, 23, 1049-1063.	7.5	26
233	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
234	Higher resilience to climatic disturbances in tropical vegetation exposed to more variable rainfall. Nature Geoscience, 2019, 12, 174-179.	5.4	65

#	ARTICLE	IF	CITATIONS
235	Age differences in photodynamic therapyâ€mediated opening of the bloodâ€brain barrier through the optical clearing skull window in mice. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 625-633.	1.1	13
236	Fully solvable lower dimensional dynamics of Cartesian product of Kuramoto models. <i>New Journal of Physics</i> , 2019, 21, 123019.	1.2	4
237	Mitigation of oscillatory instability in turbulent reactive flows: A novel approach using complex networks. <i>Europhysics Letters</i> , 2019, 128, 14003.	0.7	21
238	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
239	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
240	Impact of network topology on the stability of DC microgrids. <i>Chaos</i> , 2019, 29, 113109.	1.0	6
241	Improving the LPJmL4-SPITFIRE vegetationâ€fire model for South America using satellite data. <i>Geoscientific Model Development</i> , 2019, 12, 5029-5054.	1.3	16
242	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
243	Recurrenceâ€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
244	Emergence of synchronization in multiplex networks of mobile RÃ¶ssler oscillators. <i>Physical Review E</i> , 2019, 99, 012308.	0.8	49
245	Most probable dynamics of a genetic regulatory network under stable LÃ©vy noise. <i>Applied Mathematics and Computation</i> , 2019, 348, 425-436.	1.4	24
246	Output tracking of probabilistic Boolean networks by output feedback control. <i>Information Sciences</i> , 2019, 483, 96-105.	4.0	36
247	Complex network approaches to nonlinear time series analysis. <i>Physics Reports</i> , 2019, 787, 1-97.	10.3	370
248	Climate change perception: an analysis of climate change and risk perceptions among farmer types of Indian Western Himalayas. <i>Climatic Change</i> , 2019, 152, 103-119.	1.7	58
249	Lymphatic clearance from the blood after subarachnoid hemorrhages. , 2019, , .		2
250	Even central users do not always drive information diffusion. <i>Communications of the ACM</i> , 2019, 62, 61-67.	3.3	49
251	Transient chaos in the Lorenz-type map with periodic forcing. <i>Chaos</i> , 2018, 28, 033107.	1.0	7
252	Color image DNA encryption using NCA map-based CML and one-time keys. <i>Signal Processing</i> , 2018, 148, 272-287.	2.1	229

#	ARTICLE	IF	CITATIONS
253	Bounding the first exit from the basin: Independence times and finite-time basin stability. <i>Chaos</i> , 2018, 28, 043102.	1.0	16
254	Likelihood for transcriptions in a genetic regulatory system under asymmetric stable Lévy noise. <i>Chaos</i> , 2018, 28, 013121.	1.0	15
255	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
256	Photodynamic opening of the blood-brain barrier and pathways of brain clearing. <i>Journal of Biophotonics</i> , 2018, 11, e201700287.	1.1	42
257	Fixed-time synchronization of hybrid coupled networks with time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 49-56.	2.5	37
258	Characterizing scaling properties of complex signals with missed data segments using the multifractal analysis. <i>Chaos</i> , 2018, 28, 013124.	1.0	5
259	Multiplex recurrence networks. <i>Physical Review E</i> , 2018, 97, 012312.	0.8	39
260	Nonsingularity of Grain-like cascade FSRs via semi-tensor product. <i>Science China Information Sciences</i> , 2018, 61, 1.	2.7	85
261	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml11" display="inline" overflow="scroll" altimg="si11.gif"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{z} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ state estimation of stochastic memristor-based neural networks with time-varying delays. <i>Neural Networks</i> , 2018, 99, 79-91.	1.0	15
262	Abrupt transitions in time series with uncertainties. <i>Nature Communications</i> , 2018, 9, 48.	5.8	52
263	Obtaining amplitude-modulated bursting by multiple-frequency slow parametric modulation. <i>Physical Review E</i> , 2018, 97, 012202.	0.8	26
264	Spectra of random networks in the weak clustering regime. <i>Europhysics Letters</i> , 2018, 121, 68001.	0.7	7
265	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
266	Two novel bursting patterns in the Duffing system with multiple-frequency slow parametric excitations. <i>Chaos</i> , 2018, 28, 043111.	1.0	39
267	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
268	Unveiling non-stationary coupling between Amazon and ocean during recent extreme events. <i>Climate Dynamics</i> , 2018, 50, 767-776.	1.7	9
269	A robust and lossless DNA encryption scheme for color images. <i>Multimedia Tools and Applications</i> , 2018, 77, 12349-12376.	2.6	76
270	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

#	ARTICLE	IF	CITATIONS
271	Temporal evolution of the spatial covariability of rainfall in South America. <i>Climate Dynamics</i> , 2018, 51, 371-382.	1.7	15
272	Characterizing the exceptional 2014 drought event in São Paulo by drought period length. <i>Climate Dynamics</i> , 2018, 51, 433-442.	1.7	7
273	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
274	Nonlinear reconstruction of global climate leading modes on decadal scales. <i>Climate Dynamics</i> , 2018, 51, 2301-2310.	1.7	12
275	Sampled-Data Consensus of Multi-Agent System in the Presence of Packet Losses. <i>IEEE Access</i> , 2018, 6, 54844-54853.	2.6	6
276	Phase coherence between precipitation in South America and Rossby waves. <i>Science Advances</i> , 2018, 4, eaau3191.	4.7	22
277	Recurrence plot analysis of irregularly sampled data. <i>Physical Review E</i> , 2018, 98, .	0.8	29
278	Coupled interaction between unsteady flame dynamics and acoustic field in a turbulent combustor. <i>Chaos</i> , 2018, 28, 113111.	1.0	46
279	Wavelet-based multiscale similarity measure for complex networks. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	18
280	Hybrid multiscale coarse-graining for dynamics on complex networks. <i>Chaos</i> , 2018, 28, 123122.	1.0	1
281	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
282	Detecting early-warning signals in periodically forced systems with noise. <i>Chaos</i> , 2018, 28, 113601.	1.0	18
283	Bloodâ€œBrain Barrier, Lymphatic Clearance, and Recovery: Ariadneâ€™s Thread in Labyrinths of Hypotheses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3818.	1.8	34
284	Amplitude death in globally coupled oscillators with time-scale diversity. <i>Physical Review E</i> , 2018, 98, .	0.8	12
285	Neuron dynamics variability and anomalous phase synchronization of neural networks. <i>Chaos</i> , 2018, 28, 106304.	1.0	29
286	The stability of memristive multidirectional associative memory neural networks with time-varying delays in the leakage terms via sampled-data control. <i>PLoS ONE</i> , 2018, 13, e0204002.	1.1	1
287	Time dependent stability margin in multistable systems. <i>Chaos</i> , 2018, 28, 093104.	1.0	6
288	Event-Triggered Multi-equilibrium Control of Dynamical Networks. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
289	A dynamic message-passing approach for social contagion in time-varying multiplex networks. Europhysics Letters, 2018, 123, 68004.	0.7	3
290	Fast regular firings induced by intra- and inter-time delays in two clustered neuronal networks. Chaos, 2018, 28, 106310.	1.0	20
291	Is dynamic desaturation better than a static index to quantify the mortality risk in heart failure patients with Cheyne-Stokes respiration?. Chaos, 2018, 28, 106312.	1.0	7
292	Photodynamic opening of the blood-brain barrier to high weight molecules and liposomes through an optical clearing skull window. Biomedical Optics Express, 2018, 9, 4850.	1.5	34
293	Evolving networks based on birth and death process regarding the scale stationarity. Chaos, 2018, 28, 083118.	1.0	15
294	A recurrence quantification analysis-based channel-frequency convolutional neural network for emotion recognition from EEG. Chaos, 2018, 28, 085724.	1.0	47
295	Temporal organization of magnetospheric fluctuations unveiled by recurrence patterns in the Dst index. Chaos, 2018, 28, 085716.	1.0	14
296	Nonstationary transition to phase synchronization of neural networks induced by the coupling architecture. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 321-334.	1.2	10
297	Referee acknowledgment for 2017. Chaos, 2018, 28, 020201.	1.0	0
298	Editorial: In memoriamâ€”Valentin S. (Valya) Afraimovich (2 April 1945â€”21 February 2018). Chaos, 2018, 28, 040401.	1.0	0
299	Quantifying the roles of single stations within homogeneous regions using complex network analysis. Journal of Hydrology, 2018, 563, 802-810.	2.3	43
300	On the emergence of critical regions at the onset of thermoacoustic instability in a turbulent combustor. Chaos, 2018, 28, 063125.	1.0	26
301	Synchronization Control of Memristive Multidirectional Associative Memory Neural Networks and Applications in Network Security Communication. IEEE Access, 2018, 6, 36002-36018.	2.6	19
302	Stochastic basin stability in complex networks. Europhysics Letters, 2018, 122, 40003.	0.7	13
303	Active vibration suppression of a novel airfoil model with fractional order viscoelastic constitutive relationship. Journal of Sound and Vibration, 2018, 432, 50-64.	2.1	37
304	Synchronous behaviour in network model based on human cortico-cortical connections. Physiological Measurement, 2018, 39, 074006.	1.2	21
305	State estimation of fractional-order delayed memristive neural networks. Nonlinear Dynamics, 2018, 94, 1215-1225.	2.7	85
306	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

#	ARTICLE	IF	CITATIONS
307	The sliding mode control for an airfoil system driven by harmonic and colored Gaussian noise excitations. <i>Applied Mathematical Modelling</i> , 2018, 64, 249-264.	2.2	41
308	LÄvy noise induced transition and enhanced stability in a gene regulatory network. <i>Chaos</i> , 2018, 28, 075510.	1.0	26
309	Route to bursting via pulse-shaped explosion. <i>Physical Review E</i> , 2018, 98, 010201.	0.8	41
310	Complex networks for tracking extreme rainfall during typhoons. <i>Chaos</i> , 2018, 28, 075301.	1.0	28
311	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
312	Phase synchronization dynamics of coupled neurons with coupling phase in the electromagnetic field. <i>Nonlinear Dynamics</i> , 2018, 93, 1315-1324.	2.7	31
313	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
314	Optimizing the detection of nonstationary signals by using recurrence analysis. <i>Chaos</i> , 2018, 28, 085703.	1.0	21
315	Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018, 28, 085701.	1.0	7
316	Riddling: Chimeraâ€™s dilemma. <i>Chaos</i> , 2018, 28, 081105.	1.0	17
317	Quantifying entropy using recurrence matrix microstates. <i>Chaos</i> , 2018, 28, 083108.	1.0	33
318	Brain anomaly networks uncover heterogeneous functional reorganization patterns after stroke. <i>NeuroImage: Clinical</i> , 2018, 20, 523-530.	1.4	16
319	Fireflies: A Paradigm in Synchronization. <i>Understanding Complex Systems</i> , 2018, , 35-64.	0.3	4
320	Event-Triggering Containment Control for a Class of Multi-Agent Networks With Fixed and Switching Topologies. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017, 64, 619-629.	3.5	146
321	A deforestation-induced tipping point for the South American monsoon system. <i>Scientific Reports</i> , 2017, 7, 41489.	1.6	103
322	Mathematical analysis of the dynamical transmission of <i>Neisseria meningitidis</i> serogroup A. <i>International Journal of Computer Mathematics</i> , 2017, 94, 2409-2434.	1.0	6
323	Increased cardiorespiratory coordination in preeclampsia. <i>Physiological Measurement</i> , 2017, 38, 912-924.	1.2	7
324	Coping with dating errors in causality estimation. <i>Europhysics Letters</i> , 2017, 117, 10004.	0.7	7

#	ARTICLE	IF	CITATIONS
325	A complex network representation of wind flows. <i>Chaos</i> , 2017, 27, 035808.	1.0	15
326	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
327	Revival of oscillations from deaths in diffusively coupled nonlinear systems: Theory and experiment. <i>Chaos</i> , 2017, 27, 061101.	1.0	10
328	Effects of partial time delays on phase synchronization in Watts-Strogatz small-world neuronal networks. <i>Chaos</i> , 2017, 27, 053113.	1.0	82
329	Chimera-like states in a neuronal network model of the cat brain. <i>Chaos, Solitons and Fractals</i> , 2017, 101, 86-91.	2.5	64
330	LÄvy noise-induced escape in an excitable system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 063503.	0.9	27
331	Edge anisotropy and the geometric perspective on flow networks. <i>Chaos</i> , 2017, 27, 035802.	1.0	8
332	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
333	Potentials and limits to basin stability estimation. <i>New Journal of Physics</i> , 2017, 19, 023005.	1.2	44
334	Onymity promotes cooperation in social dilemma experiments. <i>Science Advances</i> , 2017, 3, e1601444.	4.7	199
335	Multiple-node basin stability in complex dynamical networks. <i>Physical Review E</i> , 2017, 95, 032317.	0.8	74
336	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
337	Mixed mode oscillations in presence of inverted fireball in an excitable DC glow discharge magnetized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	6
338	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
339	Stability of synchrony against local intermittent fluctuations in tree-like power grids. <i>Chaos</i> , 2017, 27, 127003.	1.0	39
340	Transports in a rough ratchet induced by LÄvy noises. <i>Chaos</i> , 2017, 27, 103102.	1.0	30
341	Metastability for discontinuous dynamical systems under LÄvy noise: Case study on Amazonian Vegetation. <i>Scientific Reports</i> , 2017, 7, 9336.	1.6	19
342	Explosive death induced by mean-field diffusion in identical oscillators. <i>Scientific Reports</i> , 2017, 7, 7936.	1.6	34

#	ARTICLE	IF	CITATIONS
343	Mapping and discrimination of networks in the complexity-entropy plane. <i>Physical Review E</i> , 2017, 96, 042304.	0.8	32
344	Global Stability of the Sync with Amplitude Effects. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017, 16, 1923-1945.	0.7	4
345	Rewiring hierarchical scale-free networks: Influence on synchronizability and topology. <i>Europhysics Letters</i> , 2017, 119, 30002.	0.7	9
346	Adaptive elimination of synchronization in coupled oscillator. <i>New Journal of Physics</i> , 2017, 19, 083004.	1.2	24
347	Fine separation of particles via the entropic splitter. <i>Physical Review E</i> , 2017, 96, 022152.	0.8	16
348	Power-functional network. <i>Chaos</i> , 2017, 27, 083116.	1.0	5
349	Timing of transients: quantifying reaching times and transient behavior in complex systems. <i>New Journal of Physics</i> , 2017, 19, 083005.	1.2	17
350	On the difference of cardiorespiratory synchronisation and coordination. <i>Chaos</i> , 2017, 27, 093933.	1.0	22
351	A regime shift in the Sun-Climate connection with the end of the Medieval Climate Anomaly. <i>Scientific Reports</i> , 2017, 7, 11131.	1.6	6
352	Control of birhythmicity: A self-feedback approach. <i>Chaos</i> , 2017, 27, 063110.	1.0	36
353	Recurrence measure of conditional dependence and applications. <i>Physical Review E</i> , 2017, 95, 052206.	0.8	31
354	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
355	Development of structural correlations and synchronization from adaptive rewiring in networks of Kuramoto oscillators. <i>Chaos</i> , 2017, 27, 073115.	1.0	40
356	Revoking amplitude and oscillation deaths by low-pass filter in coupled oscillators. <i>Physical Review E</i> , 2017, 95, 062206.	0.8	18
357	LÄvy noise-induced phenomena in CO oxidation on Ir(111) surfaces. <i>Chaos</i> , 2017, 27, 073105.	1.0	6
358	Large deviation induced phase switch in an inertial majority-vote model. <i>Chaos</i> , 2017, 27, 081102.	1.0	10
359	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
360	Insensitivity of synchronization to network structure in chaotic pendulum systems with time-delay coupling. <i>Chaos</i> , 2017, 27, 126702.	1.0	11

#	ARTICLE	IF	CITATIONS
361	Small-world networks exhibit pronounced intermittent synchronization. <i>Chaos</i> , 2017, 27, 111101.	1.0	9
362	Roughness-enhanced transport in a tilted ratchet driven by Lévy noise. <i>Physical Review E</i> , 2017, 96, 052121.	0.8	31
363	Effects of combined harmonic and random excitations on a Brusselator model. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	23
364	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
365	Hierarchical structures in Northern Hemispheric extratropical winter ocean-atmosphere interactions. <i>International Journal of Climatology</i> , 2017, 37, 3821-3836.	1.5	18
366	First-order phase transition in a majority-vote model with inertia. <i>Physical Review E</i> , 2017, 95, 042304.	0.8	37
367	The Estimates of the Mean First Exit Time of a Bistable System Excited by Poisson White Noise. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	57
368	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
369	Supervised learning in spiking neural networks with noise-threshold. <i>Neurocomputing</i> , 2017, 219, 333-349.	3.5	51
370	Recovery time after localized perturbations in complex dynamical networks. <i>New Journal of Physics</i> , 2017, 19, 103004.	1.2	12
371	Cartesian product of synchronization transitions and hysteresis. <i>New Journal of Physics</i> , 2017, 19, 123036.	1.2	7
372	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
373	Deciphering the imprint of topology on nonlinear dynamical network stability. <i>New Journal of Physics</i> , 2017, 19, 033029.	1.2	34
374	Photodynamic opening of blood-brain barrier. <i>Biomedical Optics Express</i> , 2017, 8, 5040.	1.5	49
375	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
376	Multi-scale event synchronization analysis for unravelling climate processes: a wavelet-based approach. <i>Nonlinear Processes in Geophysics</i> , 2017, 24, 599-611.	0.6	41
377	Reconstructing multi-mode networks from multivariate time series. <i>Europhysics Letters</i> , 2017, 119, 50008.	0.7	12
378	Application of optical coherence tomography for in vivo monitoring of the meningeal lymphatic vessels during opening of blood-brain barrier: mechanisms of brain clearing. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	43

#	ARTICLE	IF	CITATIONS
379	Editorial: Time to thank, honor, and welcome. <i>Chaos</i> , 2016, 26, 080401.	1.0	0
380	Editorial: Fast Trackâ€”A new section for accelerated publication in CHAOS. <i>Chaos</i> , 2016, 26, .	1.0	0
381	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
382	Correlation Networks from Flows. The Case of Forced and Time-Dependent Advection-Diffusion Dynamics. <i>PLoS ONE</i> , 2016, 11, e0153703.	1.1	33
383	Dynamics and Collapse in a Power System Model with Voltage Variation: The Damping Effect. <i>PLoS ONE</i> , 2016, 11, e0165943.	1.1	19
384	The Stress and Vascular Catastrophes in Newborn Rats: Mechanisms Preceding and Accompanying the Brain Hemorrhages. <i>Frontiers in Physiology</i> , 2016, 7, 210.	1.3	6
385	Stability threshold approach for complex dynamical systems. <i>New Journal of Physics</i> , 2016, 18, 013004.	1.2	21
386	Restoring oscillatory behavior from amplitude death with anti-phase synchronization patterns in networks of electrochemical oscillations. <i>Chaos</i> , 2016, 26, 094808.	1.0	29
387	Transitions in a genetic transcriptional regulatory system under LÃ©vy motion. <i>Scientific Reports</i> , 2016, 6, 29274.	1.6	41
388	Method for reconstructing nonlinear modes with adaptive structure from multidimensional data. <i>Chaos</i> , 2016, 26, 123101.	1.0	22
389	Complex network analysis of time series. <i>Europhysics Letters</i> , 2016, 116, 50001.	0.7	230
390	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
391	Seeâ€”saw relationship of the Holocene East Asianâ€”Australian summer monsoon. <i>Nature Communications</i> , 2016, 7, 12929.	5.8	76
392	Suppression of phase synchronisation in network based on cat's brain. <i>Chaos</i> , 2016, 26, 043107.	1.0	19
393	Synchronization of mobile chaotic oscillator networks. <i>Chaos</i> , 2016, 26, 094824.	1.0	24
394	Unraveling the primary mechanisms leading to synchronization response in dissimilar oscillators. <i>European Physical Journal: Special Topics</i> , 2016, 225, 2487-2506.	1.2	4
395	Co-existence of periodic bursts and death of cycles in a population dynamics system. <i>Chaos</i> , 2016, 26, 093111.	1.0	4
396	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

#	ARTICLE	IF	CITATIONS
397	Enhancing dynamical robustness in aging networks of coupled nonlinear oscillators. Europhysics Letters, 2016, 114, 40004.	0.7	26
398	Experimental demonstration of revival of oscillations from death in coupled nonlinear oscillators. Chaos, 2016, 26, 043112.	1.0	17
399	A common lag scenario in quenching of oscillation in coupled oscillators. Chaos, 2016, 26, 083104.	1.0	3
400	Deep graphs—A general framework to represent and analyze heterogeneous complex systems across scales. Chaos, 2016, 26, 065303.	1.0	14
401	Parameter and state estimation in a Neisseria meningitidis model: A study case of Niger. Chaos, 2016, 26, 123115.	1.0	5
402	Phase response curves for models of earthquake fault dynamics. Chaos, 2016, 26, 063105.	1.0	10
403	Consensus Analysis of Second-Order Multi-Agent Networks With Sampled Data and Packet Losses. IEEE Access, 2016, 4, 8127-8137.	2.6	17
404	The effect of randomness for dependency map on the robustness of interdependent lattices. Chaos, 2016, 26, 013105.	1.0	11
405	Editorial: Chaos—From simple models to real-world problems. Chaos, 2016, 26, 030401.	1.0	1
406	Basin stability approach for quantifying responses of multistable systems with parameters mismatch. Meccanica, 2016, 51, 2713-2726.	1.2	25
407	Entropy-based complexity measures for gait data of patients with Parkinson's disease. Chaos, 2016, 26, 023115.	1.0	17
408	The role of asymmetrical and repulsive coupling in the dynamics of two coupled van der Pol oscillators. Chaos, 2016, 26, 023102.	1.0	14
409	Stochastic basins of attraction for metastable states. Chaos, 2016, 26, 073117.	1.0	47
410	Reviving oscillation with optimal spatial period of frequency distribution in coupled oscillators. Chaos, 2016, 26, 094813.	1.0	5
411	The mechanism of bursting oscillations with different codimensional bifurcations and nonlinear structures. Nonlinear Dynamics, 2016, 85, 993-1005.	2.7	60
412	Causality in physiological signals. Physiological Measurement, 2016, 37, R46-R72.	1.2	46
413	The size distribution of spatiotemporal extreme rainfall clusters around the globe. Geophysical Research Letters, 2016, 43, 9939-9947.	1.5	13
414	System crash as dynamics of complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11726-11731.	3.3	80

#	ARTICLE	IF	CITATIONS
415	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
416	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
417	Control of birhythmicity through conjugate self-feedback: Theory and experiment. <i>Physical Review E</i> , 2016, 94, 042226.	0.8	42
418	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
419	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
420	Role of structural holes in containing spreading processes. <i>Physical Review E</i> , 2016, 93, 032312.	0.8	8
421	Constrained basin stability for studying transient phenomena in dynamical systems. <i>Physical Review E</i> , 2016, 93, 042205.	0.8	20
422	Spatial network surrogates for disentangling complex system structure from spatial embedding of nodes. <i>Physical Review E</i> , 2016, 93, 042308.	0.8	30
423	Tweaking synchronization by connectivity modifications. <i>Physical Review E</i> , 2016, 93, 062211.	0.8	11
424	A climate network-based index to discriminate different types of El Niño and La Niña. <i>Geophysical Research Letters</i> , 2016, 43, 7176-7185.	1.5	47
425	Survivability of Deterministic Dynamical Systems. <i>Scientific Reports</i> , 2016, 6, 29654.	1.6	62
426	Basin stability in delayed dynamics. <i>Scientific Reports</i> , 2016, 6, 21449.	1.6	42
427	The Switch in a Genetic Toggle System with Lévy Noise. <i>Scientific Reports</i> , 2016, 6, 31505.	1.6	73
428	Lévy-noise-induced transport in a rough triple-well potential. <i>Physical Review E</i> , 2016, 94, 042222.	0.8	62
429	Impact of climate change on larch budmoth cyclic outbreaks. <i>Scientific Reports</i> , 2016, 6, 27845.	1.6	16
430	Investigation of complexity dynamics in a DC glow discharge magnetized plasma using recurrence quantification analysis. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	6
431	Bistability of rotational modes in a system of coupled pendulums. <i>Regular and Chaotic Dynamics</i> , 2016, 21, 849-861.	0.3	9
432	Tipping elements of the Indian monsoon: Prediction of onset and withdrawal. <i>Geophysical Research Letters</i> , 2016, 43, 3982-3990.	1.5	81

#	ARTICLE	IF	CITATIONS
433	Taming instabilities in power grid networks by decentralized control. European Physical Journal: Special Topics, 2016, 225, 569-582.	1.2	59
434	Local vs. global redundancy â€œ trade-offs between resilience against cascading failures and frequency stability. European Physical Journal: Special Topics, 2016, 225, 551-568.	1.2	26
435	The impact of model detail on power grid resilience measures. European Physical Journal: Special Topics, 2016, 225, 609-625.	1.2	40
436	Optimal Synchronization of a Memristive Chaotic Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650093.	0.7	15
437	Finite-Time Anti-synchronization Control of Memristive Neural Networks With Stochastic Perturbations. Neural Processing Letters, 2016, 43, 49-63.	2.0	35
438	Non-linear time series analysis of precipitation events using regional climate networks for Germany. Climate Dynamics, 2016, 46, 1065-1074.	1.7	30
439	Hopf-bifurcation-delay-induced bursting patterns in a modified circuit system. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 517-527.	1.7	34
440	Anti-synchronization of coupled memristive neutral-type neural networks with mixed time-varying delays via randomly occurring control. Nonlinear Dynamics, 2016, 83, 2143-2155.	2.7	48
441	The Kuramoto model in complex networks. Physics Reports, 2016, 610, 1-98.	10.3	633
442	Leader-Following Consensus of Nonlinear Multiagent Systems With Stochastic Sampling. IEEE Transactions on Cybernetics, 2016, 47, 1-12.	6.2	230
443	Evolving Scale-Free Networks by Poisson Process: Modeling and Degree Distribution. IEEE Transactions on Cybernetics, 2016, 46, 1144-1155.	6.2	28
444	Evaluation of selected recurrence measures in discriminating pre-ictal and inter-ictal periods from epileptic EEG data. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1419-1425.	0.9	48
445	Dynamics of ensemble of inhibitory coupled Rulkov maps. European Physical Journal: Special Topics, 2016, 225, 147-157.	1.2	6
446	Synchronization and control in time-delayed complex networks and spatio-temporal patterns. European Physical Journal: Special Topics, 2016, 225, 1-6.	1.2	9
447	Robust H_{∞} Self-Triggered Control of Networked Systems Under Packet Dropouts. IEEE Transactions on Cybernetics, 2016, 46, 3294-3305.	6.2	81
448	Emotional tendencies in online social networking: a statistical analysis. Systems Science and Control Engineering, 2016, 4, 1-10.	1.8	5
449	Robust Multiobjective Controllability of Complex Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 778-791.	1.9	13
450	Tracking Control of Networked Multi-Agent Systems Under New Characterizations of Impulses and Its Applications in Robotic Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 1299-1307.	5.2	238

#	ARTICLE	IF	CITATIONS
451	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
452	Anti-synchronization Control of Memristive Neural Networks with Multiple Proportional Delays. <i>Neural Processing Letters</i> , 2016, 43, 269-283.	2.0	40
453	Spatiotemporal characteristics and synchronization of extreme rainfall in South America with focus on the Andes Mountain range. <i>Climate Dynamics</i> , 2016, 46, 601-617.	1.7	58
454	An Efficient Supervised Training Algorithm for Multilayer Spiking Neural Networks. <i>PLoS ONE</i> , 2016, 11, e0150329.	1.1	16
455	10.1063/1.4968852.1. , 2016, , .		0
456	Macroscopic description of complex adaptive networks coevolving with dynamic node states. <i>Physical Review E</i> , 2015, 91, 052801.	0.8	29
457	Effects of assortative mixing in the second-order Kuramoto model. <i>Physical Review E</i> , 2015, 91, 052805.	0.8	29
458	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
459	Revival of oscillation from mean-field-induced death: Theory and experiment. <i>Physical Review E</i> , 2015, 92, 052908.	0.8	48
460	An integrative quantifier of multistability in complex systems based on ecological resilience. <i>Scientific Reports</i> , 2015, 5, 16196.	1.6	51
461	Experimental Study of the Triplet Synchronization of Coupled Nonidentical Mechanical Metronomes. <i>Scientific Reports</i> , 2015, 5, 17008.	1.6	10
462	The Dynamics of Coalition Formation on Complex Networks. <i>Scientific Reports</i> , 2015, 5, 13386.	1.6	18
463	Principal nonlinear dynamical modes of climate variability. <i>Scientific Reports</i> , 2015, 5, 15510.	1.6	48
464	The expansion of neighborhood and pattern formation on spatial prisoner's dilemma. <i>Chaos</i> , 2015, 25, 043115.	1.0	11
465	Multistability of synchronous regimes in rotator ensembles. <i>Chaos</i> , 2015, 25, 123121.	1.0	3
466	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
467	Multiscale recurrence analysis of spatio-temporal data. <i>Chaos</i> , 2015, 25, 123111.	1.0	13
468	Scaling behaviour for recurrence-based measures at the edge of chaos. <i>Europhysics Letters</i> , 2015, 112, 10005.	0.7	5

#	ARTICLE	IF	CITATIONS
469	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
470	Pinning Synchronization in Tâ€™S Fuzzy Complex Networks With Partial and Discrete-Time Couplings. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1274-1285.	6.5	108
471	Non-linear regime shifts in Holocene Asian monsoon variability: potential impacts on cultural change and migratory patterns. <i>Climate of the Past</i> , 2015, 11, 709-741.	1.3	55
472	Collective relaxation dynamics of small-world networks. <i>Physical Review E</i> , 2015, 91, 052815.	0.8	31
473	Understanding migraine using dynamic network biomarkers. <i>Cephalalgia</i> , 2015, 35, 627-630.	1.8	27
474	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
475	Leader-following consensus of a class of stochastic delayed multi-agent systems with partial mixed impulses. <i>Automatica</i> , 2015, 53, 346-354.	3.0	285
476	How complex climate networks complement eigen techniques for the statistical analysis of climatological data. <i>Climate Dynamics</i> , 2015, 45, 2407-2424.	1.7	41
477	Stochastic synchronization of complex networks via a novel adaptive composite nonlinear feedback controller. <i>Nonlinear Dynamics</i> , 2015, 80, 363-374.	2.7	11
478	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
479	Characterization of the chaos-hyperchaos transition based on return times. <i>Physical Review E</i> , 2015, 91, 022921.	0.8	19
480	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
481	Restoration of rhythmicity in diffusively coupled dynamical networks. <i>Nature Communications</i> , 2015, 6, 7709.	5.8	131
482	Quantifying the causal strength of multivariate cardiovascular couplings with momentary information transfer. <i>Physiological Measurement</i> , 2015, 36, 813-825.	1.2	15
483	Collective dynamics in two populations of noisy oscillators with asymmetric interactions. <i>Physical Review E</i> , 2015, 91, 062910.	0.8	25
484	Analyzing long-term correlated stochastic processes by means of recurrence networks: Potentials and pitfalls. <i>Physical Review E</i> , 2015, 91, 022926.	0.8	13
485	Oscillator death induced by amplitude-dependent coupling in repulsively coupled oscillators. <i>Physical Review E</i> , 2015, 91, 052902.	0.8	11
486	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

#	ARTICLE	IF	CITATIONS
487	Onset and suffusing transitions towards synchronization in complex networks. <i>Europhysics Letters</i> , 2015, 109, 60005.	0.7	3
488	Complex network based techniques to identify extreme events and (sudden) transitions in spatio-temporal systems. <i>Chaos</i> , 2015, 25, 097609.	1.0	56
489	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
490	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
491	Quantifying chaotic dynamics from integrate-and-fire processes. <i>Chaos</i> , 2015, 25, 013118.	1.0	9
492	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
493	Identifying causal gateways and mediators in complex spatio-temporal systems. <i>Nature Communications</i> , 2015, 6, 8502.	5.8	207
494	Synchronization in delayed multiplex networks. <i>Europhysics Letters</i> , 2015, 111, 30010.	0.7	28
495	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
496	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
497	Quasi-synchronization of heterogeneous dynamic networks via distributed impulsive control: Error estimation, optimization and design. <i>Automatica</i> , 2015, 62, 249-262.	3.0	350
498	Forced synchronization of quasiperiodic oscillations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 316-323.	1.7	22
499	Complex network analysis helps to identify impacts of the El NiÑ±o Southern Oscillation on moisture divergence in South America. <i>Climate Dynamics</i> , 2015, 45, 619-632.	1.7	48
500	Complex networks for climate model evaluation with application to statistical versus dynamical modeling of South American climate. <i>Climate Dynamics</i> , 2015, 44, 1567-1581.	1.7	28
501	Local Difference Measures between Complex Networks for Dynamical System Model Evaluation. <i>PLoS ONE</i> , 2015, 10, e0118088.	1.1	6
502	A New Color Image Encryption Scheme Using CML and a Fractional-Order Chaotic System. <i>PLoS ONE</i> , 2015, 10, e0119660.	1.1	71
503	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
504	Long-term changes in the north-south asymmetry of solar activity: a nonlinear dynamics characterization using visibility graphs. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1113-1126.	0.6	57

#	ARTICLE	IF	CITATIONS
505	Correlations between climate network and relief data. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1127-1132.	0.6	13
506	On the influence of spatial sampling on climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 651-657.	0.6	10
507	Characterizing the evolution of climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 705-711.	0.6	21
508	Estimation of sedimentary proxy records together with associated uncertainty. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1093-1111.	0.6	8
509	Testing the detectability of spatio-temporal climate transitions from paleoclimate networks with the START model. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 691-703.	0.6	5
510	Finding recurrence networks' threshold adaptively for a specific time series. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 1085-1092.	0.6	58
511	Regional and inter-regional effects in evolving climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 451-462.	0.6	18
512	Similarity estimators for irregular and age-uncertain time series. <i>Climate of the Past</i> , 2014, 10, 107-122.	1.3	48
513	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
514	Neuronal excitability level transition induced by electrical stimulation. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2913-2922.	1.2	1
515	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
516	Effects of Catastrophic Anemia in an Intra-Host Model of Malaria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450105.	0.7	2
517	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
518	Improving power grid transient stability by plug-in electric vehicles. <i>New Journal of Physics</i> , 2014, 16, 115011.	1.2	26
519	Detours around basin stability in power networks. <i>New Journal of Physics</i> , 2014, 16, 125001.	1.2	75
520	Individual node's contribution to the mesoscale of complex networks. <i>New Journal of Physics</i> , 2014, 16, 125006.	1.2	20
521	Basin of Attraction Determines Hysteresis in Explosive Synchronization. <i>Physical Review Letters</i> , 2014, 112, 114102.	2.9	110
522	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

#	ARTICLE	IF	CITATIONS
523	Heart rate dynamics assessed by different strategies of symbolization. , 2014, , .		0
524	Synchronization of bursting Hodgkin-Huxley-type neurons in clustered networks. Physical Review E, 2014, 90, 032818.	0.8	42
525	Order to chaos transition studies in a DC glow discharge plasma by using recurrence quantification analysis. Chaos, Solitons and Fractals, 2014, 69, 285-293.	2.5	24
526	Entropy of weighted recurrence plots. Physical Review E, 2014, 90, 042919.	0.8	43
527	Analysis of cluster explosive synchronization in complex networks. Physical Review E, 2014, 90, 062810.	0.8	27
528	Basin stability of the Kuramoto-like model in small networks. European Physical Journal: Special Topics, 2014, 223, 2483-2491.	1.2	31
529	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
530	General scaling of maximum degree of synchronization in noisy complex networks. New Journal of Physics, 2014, 16, 115009.	1.2	14
531	Evolving dynamical networks. Physica D: Nonlinear Phenomena, 2014, 267, 1-6.	1.3	61
532	Dyadic Cantor set and its kinetic and stochastic counterpart. Chaos, Solitons and Fractals, 2014, 60, 31-39.	2.5	8
533	Synchrony based learning rule of Hopfield like chaotic neural networks with desirable structure. Cognitive Neurodynamics, 2014, 8, 151-156.	2.3	2
534	Adaptive coupling induced multi-stable states in complex networks. Physica D: Nonlinear Phenomena, 2014, 267, 36-48.	1.3	26
535	Chaosâ€œorder transition in foraging behavior of ants. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8392-8397.	3.3	74
536	Complex network approach to characterize the statistical features of the sunspot series. New Journal of Physics, 2014, 16, 013051.	1.2	45
537	Quantifying the Strength and Delay of Climatic Interactions: The Ambiguities of Cross Correlation and a Novel Measure Based on Graphical Models. Journal of Climate, 2014, 27, 720-739.	1.2	131
538	Synchronization in complex networks and its application â€œ A survey of recent advances and challenges. Annual Reviews in Control, 2014, 38, 184-198.	4.4	274
539	Quantifying the causal strength of multivariate cardiovascular couplings with momentary information transfer. , 2014, , .		0
540	Pinning Distributed Synchronization of Stochastic Dynamical Networks: A Mixed Optimization Approach. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1804-1815.	7.2	116

#	ARTICLE	IF	CITATIONS
541	Synchronization in time-varying networks. <i>Physical Review E</i> , 2014, 90, 022812.	0.8	80
542	Achieving modulated oscillations by feedback control. <i>Physical Review E</i> , 2014, 90, 022909.	0.8	7
543	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
544	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
545	Chaos and Cryptography: A new dimension in secure communications. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1441-1445.	1.2	33
546	The South American rainfall dipole: A complex network analysis of extreme events. <i>Geophysical Research Letters</i> , 2014, 41, 7397-7405.	1.5	94
547	Emergence of amplitude and oscillation death in identical coupled oscillators. <i>Physical Review E</i> , 2014, 90, 032906.	0.8	38
548	On Controllability of Neuronal Networks With Constraints on the Average of Control Gains. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 2670-2681.	6.2	53
549	Distributed Robust Synchronization of Dynamical Networks With Stochastic Coupling. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014, 61, 1508-1519.	3.5	162
550	Synchronized pendula: From Huygens's clocks to chimera states. <i>European Physical Journal: Special Topics</i> , 2014, 223, 609-612.	1.2	13
551	Synchronization in coupled Ikeda delay systems. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1465-1479.	1.2	34
552	Modulation of the N170 adaptation profile by higher level factors. <i>Biological Psychology</i> , 2014, 97, 27-34.	1.1	10
553	How dead ends undermine power grid stability. <i>Nature Communications</i> , 2014, 5, 3969.	5.8	318
554	Diversity and time delays induce resonance in a modular neuronal network. <i>Chaos</i> , 2014, 24, 043140.	1.0	12
555	Networks from Flows - From Dynamics to Topology. <i>Scientific Reports</i> , 2014, 4, 4119.	1.6	58
556	Low-dimensional behavior of Kuramoto model with inertia in complex networks. <i>Scientific Reports</i> , 2014, 4, 4783.	1.6	30
557	Synchronization in output-coupled temporal Boolean networks. <i>Scientific Reports</i> , 2014, 4, 6292.	1.6	37
558	Cardio-Respiratory Coordination Increases during Sleep Apnea. <i>PLoS ONE</i> , 2014, 9, e93866.	1.1	45

#	ARTICLE	IF	CITATIONS
559	Sleep Apnea-Hypopnea Quantification by Cardiovascular Data Analysis. PLoS ONE, 2014, 9, e107581.	1.1	7
560	Detection of coupling directions with intersystem recurrence networks. IEICE Proceeding Series, 2014, 1, 231-234.	0.0	1
561	Network of Networks and the Climate System. IEICE Proceeding Series, 2014, 1, 170-170.	0.0	0
562	Explosive synchronization in a general complex network. Physical Review E, 2013, 88, 010802.	0.8	160
563	Transition from Amplitude to Oscillation Death via Turing Bifurcation. Physical Review Letters, 2013, 111, 024103.	2.9	149
564	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
565	Interaction network based early warning indicators for the Atlantic MOC collapse. Geophysical Research Letters, 2013, 40, 2714-2719.	1.5	77
566	How do global temperature drivers influence each other?. European Physical Journal: Special Topics, 2013, 222, 861-873.	1.2	33
567	Quantifying heart rate dynamics using different approaches of symbolic dynamics. European Physical Journal: Special Topics, 2013, 222, 487-500.	1.2	60
568	Amplitude death in nonlinear oscillators with mixed time-delayed coupling. Physical Review E, 2013, 88, 032916.	0.8	17
569	Oscillation quenching mechanisms: Amplitude vs. oscillation death. Physics Reports, 2013, 531, 173-199.	10.3	340
570	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
571	Generalizing the transition from amplitude to oscillation death in coupled oscillators. Physical Review E, 2013, 88, 050901.	0.8	54
572	Towards dynamical network biomarkers in neuromodulation of episodic migraine. Translational Neuroscience, 2013, 4, .	0.7	19
573	Multivariate recurrence network analysis for characterizing horizontal oil-water two-phase flow. Physical Review E, 2013, 88, 032910.	0.8	60
574	Hopf bifurcation and multistability in a system of phase oscillators. Physical Review E, 2013, 88, 032908.	0.8	5
575	Multiobjective Identification of Controlling Areas in Neuronal Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 708-720.	1.9	60
576	How basin stability complements the linear-stability paradigm. Nature Physics, 2013, 9, 89-92.	6.5	426

#	ARTICLE	IF	CITATIONS
577	Distributed Synchronization in Networks of Agent Systems With Nonlinearities and Random Switchings. IEEE Transactions on Cybernetics, 2013, 43, 358-370.	6.2	271
578	Fuzzy Complex Dynamical Networks and Its Synchronization. IEEE Transactions on Cybernetics, 2013, 43, 648-659.	6.2	39
579	Recurrence plots 25 years later â€”Gaining confidence in dynamical transitions. Europhysics Letters, 2013, 101, 20007.	0.7	93
580	Pinning noise-induced stochastic resonance. Physical Review E, 2013, 87, 062920.	0.8	12
581	Synchronization in clustered random networks. Physical Review E, 2013, 87, .	0.8	10
582	Exact synchronization bound for coupled time-delay systems. Physical Review E, 2013, 87, 044902.	0.8	2
583	Consensus of Networked Multi-agent Systems with Delays and Fractional-Order Dynamics. Understanding Complex Systems, 2013, , 69-110.	0.3	6
584	Classifying healthy women and preeclamptic patients from cardiovascular data using recurrence and complex network methods. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 103-110.	1.4	21
585	Single impulsive controller for globally exponential synchronization of dynamical networks. Nonlinear Analysis: Real World Applications, 2013, 14, 581-593.	0.9	142
586	Late Holocene Asian summer monsoon dynamics from small but complex networks of paleoclimate data. Climate Dynamics, 2013, 41, 3-19.	1.7	76
587	Global generalized synchronization in networks of different time-delay systems. Europhysics Letters, 2013, 103, 50010.	0.7	9
588	Wavelet-analysis of gastric microcirculation in rats with ulcer bleedings. European Physical Journal: Special Topics, 2013, 222, 2705-2712.	1.2	4
589	Reviving Oscillations in Coupled Nonlinear Oscillators. Physical Review Letters, 2013, 111, 014101.	2.9	83
590	Recurrence networks from multivariate signals for uncovering dynamic transitions of horizontal oil-water stratified flows. Europhysics Letters, 2013, 103, 50004.	0.7	84
591	Cluster Explosive Synchronization in Complex Networks. Physical Review Letters, 2013, 110, 218701.	2.9	134
592	PHASE AND COMPLETE SYNCHRONIZATIONS IN TIME-DELAY SYSTEMS. , 2013, , 404-427.		0
593	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
594	Statistical Mechanics and Information-Theoretic Perspectives on Complexity in the Earth System. Entropy, 2013, 15, 4844-4888.	1.1	85

#	ARTICLE	IF	CITATIONS
595	Diminished heart beat non-stationarities in congestive heart failure. <i>Frontiers in Physiology</i> , 2013, 4, 107.	1.3	1
596	Node-weighted interacting network measures improve the representation of real-world complex systems. <i>Europhysics Letters</i> , 2013, 102, 28007.	0.7	45
597	Geometric signature of complex synchronisation scenarios. <i>Europhysics Letters</i> , 2013, 102, 30007.	0.7	24
598	Oscillation suppression and synchronization: Frequencies determine the role of control with time delays. <i>Europhysics Letters</i> , 2013, 102, 20003.	0.7	22
599	Coupling analysis of transient cardiovascular dynamics. <i>Biomedizinische Technik</i> , 2013, 58, 131-9.	0.9	4
600	Disentangling different types of El Niño episodes by evolving climate network analysis. <i>Physical Review E</i> , 2013, 88, 052807.	0.8	79
601	Testing time series irreversibility using complex network methods. <i>Europhysics Letters</i> , 2013, 102, 10004.	0.7	78
602	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
603	Reliability of Inference of Directed Climate Networks Using Conditional Mutual Information. <i>Entropy</i> , 2013, 15, 2023-2045.	1.1	107
604	Noise-Aided Logic in an Electronic Analog of Synthetic Genetic Networks. <i>PLoS ONE</i> , 2013, 8, e76032.	1.1	39
605	Delay coupling enhances synchronization in complex networks. <i>Europhysics Letters</i> , 2012, 98, 10003.	0.7	28
606	Power-laws in recurrence networks from dynamical systems. <i>Europhysics Letters</i> , 2012, 98, 48001.	0.7	24
607	Quantitative approach to the stochastics of bone remodeling. <i>Europhysics Letters</i> , 2012, 97, 28009.	0.7	4
608	Complex Synchronization and Recurrence Analyses – re such Nonlinear Techniques Useful for Brain Oscillation Studies?. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	0
609	Phase synchronization of bursting neurons in clustered small-world networks. <i>Physical Review E</i> , 2012, 86, 016211.	0.8	71
610	Stabilizing oscillation death by multicomponent coupling with mismatched delays. <i>Physical Review E</i> , 2012, 86, 036210.	0.8	18
611	Impact of connection delays on noise-induced spatiotemporal patterns in neuronal networks. <i>Chaos</i> , 2012, 22, 043150.	1.0	19
612	Suppression of bursting synchronization in clustered scale-free (rich-club) neuronal networks. <i>Chaos</i> , 2012, 22, 043149.	1.0	49

#	ARTICLE	IF	CITATIONS
613	Noise-enhanced phase synchronization in time-delayed systems. <i>Physical Review E</i> , 2012, 85, 026218.	0.8	3
614	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
615	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
616	BIFURCATIONS IN A STAR-LIKE NETWORK OF STUART-“LANDAU OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250173.	0.7	20
617	QUANTIFYING CHANGES IN THE SPATIAL STRUCTURE OF TRABECULAR BONE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250027.	0.7	1
618	Dynamical regimes and transitions in Plio-Pleistocene Asian monsoon. <i>Europhysics Letters</i> , 2012, 97, 40009.	0.7	11
619	Oscillation death in asymmetrically delay-coupled oscillators. <i>Physical Review E</i> , 2012, 85, 046206.	0.8	26
620	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
621	GLOBAL AND PARTIAL PHASE SYNCHRONIZATIONS IN ARRAYS OF PIECEWISE LINEAR TIME-DELAY SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250178.	0.7	4
622	Phase coherence and attractor geometry of chaotic electrochemical oscillators. <i>Chaos</i> , 2012, 22, 033130.	1.0	23
623	Distinguishing dynamics using recurrence-time statistics. <i>Physical Review E</i> , 2012, 85, 026217.	0.8	30
624	Transition to complete synchronization and global intermittent synchronization in an array of time-delay systems. <i>Physical Review E</i> , 2012, 86, 016212.	0.8	5
625	A Constrained Evolutionary Computation Method for Detecting Controlling Regions of Cortical Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012, 9, 1569-1581.	1.9	97
626	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
627	Boundary effects in network measures of spatially embedded networks. <i>Europhysics Letters</i> , 2012, 100, 28002.	0.7	49
628	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
629	Analytical framework for recurrence network analysis of time series. <i>Physical Review E</i> , 2012, 85, 046105.	0.8	96
630	Classifying cardiac biosignals using ordinal pattern statistics and symbolic dynamics. <i>Computers in Biology and Medicine</i> , 2012, 42, 319-327.	3.9	162

#	ARTICLE	IF	CITATIONS
631	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
632	Distributed Adaptive Control of Synchronization in Complex Networks. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2153-2158.	3.6	323
633	Relationship between El-NiÄ±o/Southern Oscillation and the Indian monsoon. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2012, 48, 47-56.	0.2	22
634	Challenges in network science: Applications to infrastructures, climate, social systems and economics. <i>European Physical Journal: Special Topics</i> , 2012, 214, 273-293.	1.2	146
635	Extracellular potassium dynamics in the hyperexcitable state of the neuronal ictal activity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 4700-4706.	1.7	13
636	Geometric detection of coupling directions by means of inter-system recurrence networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3504-3513.	0.9	87
637	Evolutionary Pinning Control and Its Application in UAV Coordination. <i>IEEE Transactions on Industrial Informatics</i> , 2012, 8, 828-838.	7.2	133
638	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
639	Identifying Controlling Nodes in Neuronal Networks in Different Scales. <i>PLoS ONE</i> , 2012, 7, e41375.	1.1	53
640	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
641	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
642	COConstructing Proxy Records from Age models (COPRA). <i>Climate of the Past</i> , 2012, 8, 1765-1779.	1.3	171
643	Generalized synchronization between two different complex networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 349-355.	1.7	61
644	Geometric and dynamic perspectives on phase-coherent and noncoherent chaos. <i>Chaos</i> , 2012, 22, 013115.	1.0	12
645	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
646	Escaping the Curse of Dimensionality in Estimating Multivariate Transfer Entropy. <i>Physical Review Letters</i> , 2012, 108, 258701.	2.9	247
647	Synchronization Control for Nonlinear Stochastic Dynamical Networks: Pinning Impulsive Strategy. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012, 23, 285-292.	7.2	371
648	Modeling and analysis of the transmission dynamics of tuberculosis without and with seasonality. <i>Nonlinear Dynamics</i> , 2012, 67, 2027-2051.	2.7	17

#	ARTICLE	IF	CITATIONS
649	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
650	Exponential Synchronization of Linearly Coupled Neural Networks With Impulsive Disturbances. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 329-336.	4.8	367
651	Two-Patch Transmission of Tuberculosis. <i>Mathematical Population Studies</i> , 2011, 18, 189-205.	0.8	9
652	Alternating mutual influence of El-Ni±o/Southern Oscillation and Indian monsoon. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	75
653	A two-±parameter stochastic process for Dansgaard±Oeschger events. <i>Paleoceanography</i> , 2011, 26, .	3.0	14
654	MODELING AND PARAMETER ESTIMATION OF TUBERCULOSIS WITH APPLICATION TO CAMEROON. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1999-2015.	0.7	4
655	Firefly courtship as the basis of the synchronization-response principle. <i>Europhysics Letters</i> , 2011, 94, 60007.	0.7	17
656	RECURRENCE-BASED TIME SERIES ANALYSIS BY MEANS OF COMPLEX NETWORK METHODS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1019-1046.	0.7	350
657	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
658	Inner Composition Alignment for Inferring Directed Networks from Short Time Series. <i>Physical Review Letters</i> , 2011, 107, 054101.	2.9	113
659	Exploring Brain Function from Anatomical Connectivity. <i>Frontiers in Neuroscience</i> , 2011, 5, 83.	1.4	92
660	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
661	Comparison of correlation analysis techniques for irregularly sampled time series. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 389-404.	0.6	201
662	Analysing Dynamical Behavior of Cellular Networks via Stochastic Bifurcations. <i>PLoS ONE</i> , 2011, 6, e19696.	1.1	17
663	An Electronic Analog of Synthetic Genetic Networks. <i>PLoS ONE</i> , 2011, 6, e23286.	1.1	15
664	Spectral Analysis of Synchronization in Mobile Networks. , 2011, , .		7
665	Supermodeling by Combining Imperfect Models. <i>Procedia Computer Science</i> , 2011, 7, 261-263.	1.2	1
666	Investigating the topology of interacting networks. <i>European Physical Journal B</i> , 2011, 84, 635-651.	0.6	165

#	ARTICLE	IF	CITATIONS
667	The geometry of chaotic dynamics â€” a complex network perspective. <i>European Physical Journal B</i> , 2011, 84, 653-672.	0.6	126
668	Statistical characteristics of the PoincarÃ© return times for a one-dimensional nonhyperbolic map. <i>European Physical Journal B</i> , 2011, 82, 219-225.	0.6	12
669	Synchronization transitions in coupled time-delay electronic circuits with a threshold nonlinearity. <i>Chaos</i> , 2011, 21, 023119.	1.0	38
670	Spatiotemporal dynamics of the Calvin cycle: Multistationarity and symmetry breaking instabilities. <i>BioSystems</i> , 2011, 103, 212-223.	0.9	22
671	Functional network analysis reveals differences in the semantic priming task. <i>Journal of Neuroscience Methods</i> , 2011, 197, 333-339.	1.3	23
672	Synthetic multicellular oscillatory systems: controlling protein dynamics with genetic circuits. <i>Physica Scripta</i> , 2011, 84, 045007.	1.2	5
673	Weighted-traffic-networkâ€”based geographic profiling for serial crime location prediction. <i>Europhysics Letters</i> , 2011, 93, 68006.	0.7	5
674	Synchronization in networks of mobile oscillators. <i>Physical Review E</i> , 2011, 83, 025101.	0.8	142
675	Control of delay-induced oscillation death by coupling phase in coupled oscillators. <i>Physical Review E</i> , 2011, 84, 066208.	0.8	16
676	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
677	Burst synchronization transitions in a neuronal network of subnetworks. <i>Chaos</i> , 2011, 21, 016110.	1.0	165
678	Synchronization of multi-frequency noise-induced oscillations. <i>Chaos</i> , 2011, 21, 047513.	1.0	8
679	CHARACTERISTICS OF STOCHASTIC RESONANCE IN ASYMMETRIC DUFFING OSCILLATOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 2729-2739.	0.7	13
680	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
681	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
682	Dynamics between order and chaos revisited. <i>European Physical Journal: Special Topics</i> , 2010, 191, 15-27.	1.2	6
683	Were Dansgaard-Oeschger events forced by the Sun?. <i>European Physical Journal: Special Topics</i> , 2010, 191, 117-129.	1.2	10
684	Recurrence-based detection of the hyperchaos-chaos transition in an electronic circuit. <i>Chaos</i> , 2010, 20, 043115.	1.0	11

#	ARTICLE	IF	CITATIONS
685	Parameter mismatches and oscillation death in coupled oscillators. <i>Chaos</i> , 2010, 20, 023132.	1.0	75
686	Ambiguities in recurrence-based complex network representations of time series. <i>Physical Review E</i> , 2010, 81, 015101.	0.8	113
687	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
688	Concurrent sympathetic activation and vagal withdrawal in hyperthyroidism: Evidence from detrended fluctuation analysis of heart rate variability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1861-1868.	1.2	6
689	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
690	Cooperative differentiation through clustering in multicellular populations. <i>Journal of Theoretical Biology</i> , 2010, 263, 189-202.	0.8	98
691	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
692	Human comment dynamics in on-line social systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5832-5837.	1.2	23
693	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
694	Limitations of red noise in analysing Dansgaard-Oeschger events. <i>Climate of the Past</i> , 2010, 6, 85-92.	1.3	14
695	Spatial structures and directionalities in Monsoonal precipitation over South Asia. <i>Nonlinear Processes in Geophysics</i> , 2010, 17, 371-381.	0.6	71
696	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
697	Modelling Tuberculosis and Hepatitis B Co-infections. <i>Mathematical Modelling of Natural Phenomena</i> , 2010, 5, 196-242.	0.9	9
698	Announcement: Focus Issue on â€™Dynamics in Systems Biologyâ€™. <i>Chaos</i> , 2010, 20, 010201.	1.0	0
699	Distinguishing Direct from Indirect Interactions in Oscillatory Networks with Multiple Time Scales. <i>Physical Review Letters</i> , 2010, 104, 038701.	2.9	65
700	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage AlfvÃ©n BrÃ©silien tokamak. <i>Physics of Plasmas</i> , 2010, 17, 012303.	0.7	15
701	Recurrence networksâ€™a novel paradigm for nonlinear time series analysis. <i>New Journal of Physics</i> , 2010, 12, 033025.	1.2	489
702	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
703	Topological structures enhance the presence of dynamical regimes in synthetic networks. <i>Chaos</i> , 2010, 20, 045111.	1.0	16
704	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
705	Global phase synchronization in an array of time-delay systems. <i>Physical Review E</i> , 2010, 82, 016215.	0.8	15
706	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
707	Experimental confirmation of chaotic phase synchronization in coupled time-delayed electronic circuits. <i>Physical Review E</i> , 2010, 82, 065201.	0.8	21
708	Identifying complex periodic windows in continuous-time dynamical systems using recurrence-based methods. <i>Chaos</i> , 2010, 20, 043130.	1.0	65
709	Long-term asymmetry in the wings of the butterfly diagram. <i>Astronomy and Astrophysics</i> , 2009, 503, 197-201.	2.1	53
710	Timing Cellular Decision Making Under Noise via Cell-Cell Communication. <i>PLoS ONE</i> , 2009, 4, e4872.	1.1	47
711	Stability of synchronization in coupled time-delay systems using Krasovskii-Lyapunov theory. <i>Physical Review E</i> , 2009, 79, 066208.	0.8	22
712	Inverse synchronizations in coupled time-delay systems with inhibitory coupling. <i>Chaos</i> , 2009, 19, 023107.	1.0	18
713	Hypothesis test for synchronization: Twin surrogates revisited. <i>Chaos</i> , 2009, 19, 015108.	1.0	26
714	Analysis of blood pressure dynamics in male and female rats using the continuous wavelet transform. <i>Physiological Measurement</i> , 2009, 30, 707-717.	1.2	4
715	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
716	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
717	Detuning-dependent dominance of oscillation death in globally coupled synthetic genetic oscillators. <i>Europhysics Letters</i> , 2009, 85, 28002.	0.7	60
718	Dynamics in Complex Systems. <i>European Review</i> , 2009, 17, 357-370.	0.4	14
719	Detection of time-delayed interactions in biosignals using symbolic coupling traces. <i>Europhysics Letters</i> , 2009, 87, 10004.	0.7	47
720	Brain signal analysis based on recurrences. <i>Journal of Physiology (Paris)</i> , 2009, 103, 315-323.	2.1	43

#	ARTICLE	IF	CITATIONS
721	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
722	Bifurcation in neuronal networks with hub structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4499-4508.	1.2	18
723	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
724	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
725	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
726	The role of extracellular potassium dynamics in the different stages of ictal bursting and spreading depression: A computational study. <i>Journal of Theoretical Biology</i> , 2009, 258, 219-228.	0.8	50
727	A scenario for torus T2 destruction via a global bifurcation. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2198-2210.	2.5	5
728	Spectral universality of phase synchronization in non-identical oscillator networks. <i>European Physical Journal B</i> , 2009, 69, 45-49.	0.6	13
729	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
730	Complex networks in climate dynamics. <i>European Physical Journal: Special Topics</i> , 2009, 174, 157-179.	1.2	416
731	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
732	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
733	Consensus over directed static networks with arbitrary finite communication delays. <i>Physical Review E</i> , 2009, 80, 066121.	0.8	156
734	The backbone of the climate network. <i>Europhysics Letters</i> , 2009, 87, 48007.	0.7	347
735	Dynamics of Multicellular Synthetic Gene Networks. <i>World Scientific Lecture Notes in Complex Systems</i> , 2009, , 33-58.	0.1	1
736	Correlated noise induced spatiotemporal coherence resonance in a square lattice network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6679-6685.	1.2	31
737	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
738	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

#	ARTICLE	IF	CITATIONS
739	Complex brain networks: From topological communities to clustered dynamics. <i>Pramana - Journal of Physics</i> , 2008, 70, 1087-1097.	0.9	8
740	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
741	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
742	Synchronization in complex networks. <i>Physics Reports</i> , 2008, 469, 93-153.	10.3	2,928
743	Persistence and phase synchronisation properties of fixational eye movements. <i>European Physical Journal: Special Topics</i> , 2008, 161, 207-223.	1.2	12
744	Phase synchronization in unidirectionally coupled Ikeda time-delay systems. <i>European Physical Journal: Special Topics</i> , 2008, 164, 35-44.	1.2	8
745	Chaos and nonlinear dynamics: Advances and perspectives. <i>European Physical Journal: Special Topics</i> , 2008, 165, 1-4.	1.2	0
746	Recurrences of strange attractors. <i>Pramana - Journal of Physics</i> , 2008, 70, 1039-1045.	0.9	10
747	Simulating global properties of electroencephalograms with minimal random neural networks. <i>Neurocomputing</i> , 2008, 71, 999-1007.	3.5	20
748	EFFECTS OF THE SHAPE OF PERIODIC FORCES ON STOCHASTIC RESONANCE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2073-2088.	0.7	10
749	Spatial coherence resonance on diffusive and small-world networks of Hodgkin-Huxley neurons. <i>Chaos</i> , 2008, 18, 023102.	1.0	129
750	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
751	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
752	Rapidly switched random links enhance spatiotemporal regularity. <i>Physical Review E</i> , 2008, 78, 066209.	0.8	53
753	Bifurcational mechanisms of synchronization of a resonant limit cycle on a two-dimensional torus. <i>Chaos</i> , 2008, 18, 037123.	1.0	38
754	Recurrence analysis of strange nonchaotic dynamics in driven excitable systems. <i>Chaos</i> , 2008, 18, 013128.	1.0	13
755	Transition from phase to generalized synchronization in time-delay systems. <i>Chaos</i> , 2008, 18, 023118.	1.0	45
756	Synchronization in the Kuramoto model: A dynamical gradient network approach. <i>Physical Review E</i> , 2008, 77, 027101.	0.8	32

#	ARTICLE	IF	CITATIONS
757	Effect of Stochastic Resonance on Bone Loss in Osteopenic Conditions. <i>Physical Review Letters</i> , 2008, 100, 128101.	2.9	19
758	Multistability of synthetic genetic networks with repressive cell-to-cell communication. <i>Physical Review E</i> , 2008, 78, 031904.	0.8	84
759	Generating surrogates from recurrences. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 545-557.	1.6	31
760	Predicting phase synchronization of non-“phase-coherent chaos. <i>Europhysics Letters</i> , 2008, 83, 50003.	0.7	5
761	ENSEMBLE APPROACH FOR RECOVERING PHASE SYNCHRONIZATION FROM TIME SERIES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3557-3563.	0.7	2
762	EIGENVALUE DECOMPOSITION AS A GENERALIZED SYNCHRONIZATION CLUSTER ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3493-3497.	0.7	54
763	NONLINEAR METHODS OF CARDIOVASCULAR PHYSICS AND THEIR CLINICAL APPLICABILITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3325-3371.	0.7	94
764	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
765	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
766	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
767	FORCED SYNCHRONIZATION IN MORRIS-LECAR NEURONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3523-3528.	0.7	5
768	Structure-function relationship in complex brain networks expressed by hierarchical synchronization. <i>New Journal of Physics</i> , 2007, 9, 178-178.	1.2	145
769	Detecting phase synchronization by localized maps: Application to neural networks. <i>Europhysics Letters</i> , 2007, 77, 40006.	0.7	25
770	Recurrence analysis of strange nonchaotic dynamics. <i>Physical Review E</i> , 2007, 75, 036222.	0.8	36
771	Estimation of the direction of the coupling by conditional probabilities of recurrence. <i>Physical Review E</i> , 2007, 76, 036211.	0.8	108
772	Synchronization of time-delayed systems. <i>Physical Review E</i> , 2007, 76, 036212.	0.8	25
773	General framework for phase synchronization through localized sets. <i>Physical Review E</i> , 2007, 75, 026216.	0.8	44
774	Network Mechanism for Burst Generation. <i>Physical Review Letters</i> , 2007, 98, 108101.	2.9	32

#	ARTICLE	IF	CITATIONS
775	Inherent multistability in arrays of autoinducer coupled genetic oscillators. <i>Physical Review E</i> , 2007, 75, 031916.	0.8	82
776	Distinguishing quasiperiodic dynamics from chaos in short-time series. <i>Physical Review E</i> , 2007, 76, 016210.	0.8	41
777	Characterization of stickiness by means of recurrence. <i>Chaos</i> , 2007, 17, 043101.	1.0	35
778	Synchronization in Oscillatory Networks. <i>Springer Series in Synergetics</i> , 2007, , .	0.2	321
779	Introduction: Cardiovascular physics. <i>Chaos</i> , 2007, 17, 015101.	1.0	26
780	Peculiarities of synchronization of a resonant limit cycle on a two-dimensional torus. <i>Physical Review E</i> , 2007, 76, 046216.	0.8	26
781	Feedback suppression of neural synchrony. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
782	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
783	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
784	Phase and average period of chaotic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 362, 159-165.	0.9	28
785	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
786	The solar activity cycle is weakly synchronized with the solar inertial motion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 365, 421-428.	0.9	28
787	Autonomic Control in Patients Experiencing Atrial Fibrillation After Cardiac Surgery. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, 77-84.	0.5	34
788	Measures of complexity for 3D image analysis of trabecular bone. <i>European Physical Journal: Special Topics</i> , 2007, 143, 109-116.	1.2	19
789	Order patterns recurrence plots in the analysis of ERP data. <i>Cognitive Neurodynamics</i> , 2007, 1, 317-325.	2.3	78
790	Recurrence plots for the analysis of complex systems. <i>Physics Reports</i> , 2007, 438, 237-329.	10.3	2,809
791	Continuous wavelet spectral analysis of climate dynamics. <i>World Scientific Lecture Notes in Complex Systems</i> , 2007, , 325-346.	0.1	0
792	Critical states of seismicity â€œ Implications from a physical model for the seismic cycle. <i>World Scientific Lecture Notes in Complex Systems</i> , 2007, , 371-396.	0.1	0

#	ARTICLE	IF	CITATIONS
793	Synchronization Analysis of Neuronal Networks by Means of Recurrence Plots. , 2007, , 177-191.		1
794	Segmentation of bone CT images and assessment of bone structure using measures of complexity. Medical Physics, 2006, 33, 3857-3873.	1.6	17
795	Twin surrogates to test for complex synchronisation. Europhysics Letters, 2006, 75, 535-541.	0.7	122
796	Synchronization in dynamical networks: Evolution along commutative graphs. Physical Review E, 2006, 74, 016102.	0.8	91
797	A conceptual ENSO model under realistic noise forcing. Nonlinear Processes in Geophysics, 2006, 13, 275-285.	0.6	8
798	Rigorous theory of stochastic resonance in overdamped bistable oscillators for weak signals. Chaos, Solitons and Fractals, 2006, 30, 574-578.	2.5	7
799	Decaying of phase synchronization in parkinsonian tremor. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 552-560.	1.2	8
800	Upper bounds in phase synchronous weak coherent chaotic attractors. Physica D: Nonlinear Phenomena, 2006, 216, 260-268.	1.3	9
801	Structural and functional clusters of complex brain networks. Physica D: Nonlinear Phenomena, 2006, 224, 202-212.	1.3	116
802	Sensitivity and specificity of coherence and phase synchronization analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 26-34.	0.9	34
803	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
804	Synchronization of complex dynamical networks with time delays. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 24-34.	1.2	120
805	Synchronization Analysis of Coupled Noncoherent Oscillators. Nonlinear Dynamics, 2006, 44, 135-149.	2.7	41
806	Spurious Structures in Recurrence Plots Induced by Embedding. Nonlinear Dynamics, 2006, 44, 299-305.	2.7	29
807	Optimal Length Transportation Hypothesis to Model Proteasome Product Size Distribution. Journal of Biological Physics, 2006, 32, 231-243.	0.7	5
808	Nonlinear additive autoregressive model-based analysis of short-term heart rate variability. Medical and Biological Engineering and Computing, 2006, 44, 321-330.	1.6	17
809	INFLUENCE OF TRANSPORT RATES ON THE PROTEIN DEGRADATION BY PROTEASOMES. Biophysical Reviews and Letters, 2006, 01, 375-386.	0.9	6
810	Universality in the Synchronization of Weighted Random Networks. Physical Review Letters, 2006, 96, 034101.	2.9	301

#	ARTICLE	IF	CITATIONS
811	Synchronization of spontaneous bursting in aCO ₂ laser. Physical Review E, 2006, 74, 066207.	0.8	13
812	Phase synchronization in time-delay systems. Physical Review E, 2006, 74, 035205.	0.8	54
813	Experimental evidence of anomalous phase synchronization in two diffusively coupled Chua oscillators. Chaos, 2006, 16, 023111.	1.0	35
814	Dynamical Weights and Enhanced Synchronization in Adaptive Complex Networks. Physical Review Letters, 2006, 96, 164102.	2.9	346
815	Hierarchical Organization Unveiled by Functional Connectivity in Complex Brain Networks. Physical Review Letters, 2006, 97, 238103.	2.9	426
816	Phase-flip bifurcation induced by time delay. Physical Review E, 2006, 74, 035204.	0.8	94
817	Partial Phase Synchronization for Multivariate Synchronizing Systems. Physical Review Letters, 2006, 96, 208103.	2.9	107
818	Spatial recurrence plots. Physical Review E, 2006, 73, 056207.	0.8	44
819	SHRIMP STRUCTURE AND ASSOCIATED DYNAMICS IN PARAMETRICALLY EXCITED OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3567-3579.	0.7	25
820	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
821	Noise-sustained and controlled synchronization of stirred excitable media by external forcing. New Journal of Physics, 2005, 7, 18-18.	1.2	40
822	Automatic control of phase synchronization in coupled complex oscillators. Physica D: Nonlinear Phenomena, 2005, 200, 81-104.	1.3	27
823	Bubbling bifurcation: Loss of synchronization and shadowing breakdown in complex systems. Physica D: Nonlinear Phenomena, 2005, 206, 94-108.	1.3	42
824	Non-transitive maps in phase synchronization. Physica D: Nonlinear Phenomena, 2005, 212, 216-232.	1.3	18
825	Line structures in recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 336, 349-357.	0.9	103
826	Quantification of spatial structure of human proximal tibial bone biopsies using 3D measures of complexity. Acta Astronautica, 2005, 56, 820-830.	1.7	7
827	Intersections of stable and unstable manifolds: the skeleton of Lagrangian chaos. Chaos, Solitons and Fractals, 2005, 24, 947-956.	2.5	12
828	Weighted networks are more synchronizable: how and why. AIP Conference Proceedings, 2005, , .	0.3	28

#	ARTICLE	IF	CITATIONS
829	Enhancing complex-network synchronization. Europhysics Letters, 2005, 69, 334-340.	0.7	316
830	Fluctuation growth and saturation in nonlinear oscillators on the threshold of bifurcation of spontaneous symmetry breaking. Physical Review E, 2005, 72, 046125.	0.8	16
831	MODELING BONE RESORPTION IN 2D CT AND 3D ¼CT IMAGES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 2995-3009.	0.7	2
832	Large-scale dimension densities for heart rate variability analysis. , 2005, , .		4
833	Detection of synchronization for non-phase-coherent and non-stationary data. Europhysics Letters, 2005, 71, 466-472.	0.7	171
834	Epochs of phase coherence between El Niño/Southern Oscillation and Indian monsoon. Geophysical Research Letters, 2005, 32, .	1.5	88
835	Network synchronization, diffusion, and the paradox of heterogeneity. Physical Review E, 2005, 71, 016116.	0.8	455
836	Nonlinear dimensionality reduction in climate data. Nonlinear Processes in Geophysics, 2004, 11, 393-398.	0.6	46
837	Predicting Phase Synchronization for Homoclinic Chaos in a CO2 Laser. AIP Conference Proceedings, 2004, , .	0.3	0
838	Estimation of dynamical invariants without embedding by recurrence plots. Chaos, 2004, 14, 234-243.	1.0	146
839	Synchronization of two interacting populations of oscillators. Physical Review E, 2004, 70, 056125.	0.8	180
840	Phase Synchronization of Chaotic Intermittent Oscillations. Physical Review Letters, 2004, 92, 134101.	2.9	14
841	THE UNSCENTED KALMAN FILTER, A POWERFUL TOOL FOR DATA ANALYSIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2093-2105.	0.7	19
842	SURROGATE-BASED HYPOTHESIS TEST WITHOUT SURROGATES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2107-2114.	0.7	9
843	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
844	SYNCHRONIZATION APPROACH TO ANALYSIS OF BIOLOGICAL SYSTEMS. Fluctuation and Noise Letters, 2004, 04, L53-L62.	1.0	76
845	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
846	TESTING FOR PHASE SYNCHRONIZATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 405-416.	0.7	41

#	ARTICLE	IF	CITATIONS
847	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
848	Synchronization of two non-scalar-coupled limit-cycle oscillators. Physica D: Nonlinear Phenomena, 2004, 189, 8-30.	1.3	37
849	How much information is contained in a recurrence plot?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 343-349.	0.9	126
850	Multivariate recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 214-223.	0.9	132
851	NONLINEAR DYNAMICAL SYSTEM IDENTIFICATION FROM UNCERTAIN AND INDIRECT MEASUREMENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1905-1933.	0.7	251
852	Phase Synchronization in Ensembles of Bursting Oscillators. Physical Review Letters, 2004, 93, 134101.	2.9	138
853	Cross wavelet analysis: significance testing and pitfalls. Nonlinear Processes in Geophysics, 2004, 11, 505-514.	0.6	455
854	Comparing modern and Pleistocene ENSO-like influences in NW Argentina using nonlinear time series analysis methods. Climate Dynamics, 2003, 21, 317-326.	1.7	122
855	Constructive effects of fluctuations in genetic and biochemical regulatory systems. BioSystems, 2003, 72, 241-251.	0.9	51
856	Vibrational resonance and vibrational propagation in excitable systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 312, 348-354.	0.9	172
857	Controlling chaos in a fluid flow past a movable cylinder. Chaos, Solitons and Fractals, 2003, 15, 255-263.	2.5	4
858	Stochastic forces in circumplanetary dust dynamics. Journal of Geophysical Research, 2003, 108, .	3.3	8
859	Three Types of Transitions to Phase Synchronization in Coupled Chaotic Oscillators. Physical Review Letters, 2003, 91, 024101.	2.9	146
860	Noise-induced synchronization and coherence resonance of a Hodgkin-Huxley model of thermally sensitive neurons. Chaos, 2003, 13, 401-409.	1.0	157
861	Experimental study of imperfect phase synchronization in the forced Lorenz system. Chaos, 2003, 13, 319-326.	1.0	21
862	Synchronization and Oscillator Death in Oscillatory Media with Stirring. Physical Review Letters, 2003, 91, 084101.	2.9	35
863	Introduction: Control and synchronization in chaotic dynamical systems. Chaos, 2003, 13, 126-127.	1.0	62
864	Detecting Subthreshold Events in Noisy Data by Symbolic Dynamics. Physical Review Letters, 2003, 90, 100602.	2.9	20

#	ARTICLE	IF	CITATIONS
865	Noise-Induced Excitability in Oscillatory Media. <i>Physical Review Letters</i> , 2003, 91, 180601.	2.9	62
866	Anomalous phase synchronization in populations of nonidentical oscillators. <i>Physical Review E</i> , 2003, 67, 035204.	0.8	46
867	Identification of nonlinear spatiotemporal systems via partitioned filtering. <i>Physical Review E</i> , 2003, 68, 016202.	0.8	13
868	Noise-Sustained Coherent Oscillation of Excitable Media in a Chaotic Flow. <i>Physical Review Letters</i> , 2003, 91, 150601.	2.9	18
869	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
870	SPECTRAL AND CORRELATION ANALYSIS OF SPIRAL CHAOS. <i>Fluctuation and Noise Letters</i> , 2003, 03, L213-L221.	1.0	7
871	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
872	Noise, Synchronization and Coherence in Chaotic Oscillators. <i>International Journal of Modern Physics B</i> , 2003, 17, 4023-4044.	1.0	3
873	Noise Induced Burst Synchronization in Fiber Ring Lasers. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	1
874	Interpreting correlations in metabolomic networks. <i>Biochemical Society Transactions</i> , 2003, 31, 1476-1478.	1.6	70
875	Noise-Induced Phase Synchronization and Synchronization Transitions in Chaotic Oscillators. <i>Physical Review Letters</i> , 2002, 88, 230602.	2.9	216
876	Noise-Enhanced Phase Synchronization of Chaotic Oscillators. <i>Physical Review Letters</i> , 2002, 89, 014101.	2.9	117
877	Stable heteroclinic cycles for ensembles of chaotic oscillators. <i>Physical Review E</i> , 2002, 66, 026201.	0.8	13
878	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
879	Locking-Based Frequency Measurement and Synchronization of Chaotic Oscillators with Complex Dynamics. <i>Physical Review Letters</i> , 2002, 89, 264102.	2.9	62
880	Synchronizing Movements with the Metronome: Nonlinear Error Correction and Unstable Periodic Orbits. <i>Brain and Cognition</i> , 2002, 48, 107-116.	0.8	7
881	Heart rate variability before the onset of ventricular tachycardia: differences between slow and fast arrhythmias. <i>International Journal of Cardiology</i> , 2002, 84, 141-151.	0.8	51
882	Predicting Phase Synchronization from Non-synchronized Chaotic Data. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0

#	ARTICLE	IF	CITATIONS
883	Influence of observational noise on the recurrence quantification analysis. Physica D: Nonlinear Phenomena, 2002, 171, 138-152.	1.3	210
884	The synchronization of chaotic systems. Physics Reports, 2002, 366, 1-101.	10.3	2,314
885	Noise-induced effects on the chaotic advection of fluid flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 297, 396-401.	0.9	3
886	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
887	Jamming and asymptotic behavior in competitive random parking of bidisperse cars. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 163-173.	1.2	6
888	Can randomness alone tune the fractal dimension?. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 342-352.	1.2	8
889	A Systematic Test on Precursory Seismic Quiescence in Armenia. Natural Hazards, 2002, 26, 245-263.	1.6	36
890	Array-Enhanced Coherence Resonance: Nontrivial Effects of Heterogeneity and Spatial Independence of Noise. Physical Review Letters, 2001, 87, 098101.	2.9	274
891	Bone architecture assessment with measures of complexity. Acta Astronautica, 2001, 49, 171-178.	1.7	4
892	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
893	Effect of Noise on the Relaxation to an Invariant Probability Measure of Nonhyperbolic Chaotic Attractors. Physical Review Letters, 2001, 87, 054101.	2.9	21
894	Localized Lyapunov exponents and the prediction of predictability. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 271, 237-251.	0.9	81
895	Transcritical loss of synchronization in coupled chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 401-406.	0.9	19
896	Studying hyperbolicity in chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 270, 301-307.	0.9	39
897	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
898	Nonlinear analysis of complex phenomena in cardiological data. Herzschrittmachertherapie Und Elektrophysiologie, 2000, 11, 159-173.	0.3	223
899	Modeling cognitive control in simple movements. AIP Conference Proceedings, 2000, , .	0.3	0
900	Detection of phase synchronization from the data: Application to physiology. AIP Conference Proceedings, 2000, , .	0.3	0

#	ARTICLE	IF	CITATIONS
901	PHASE SYNCHRONIZATION IN REGULAR AND CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2291-2305.	0.7	204
902	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
903	Synchronization of chaotic structurally nonequivalent systems. Physical Review E, 2000, 61, 3712-3715.	0.8	56
904	Doubly Stochastic Resonance. Physical Review Letters, 2000, 85, 227-231.	2.9	129
905	Influence of additive noise on transitions in nonlinear systems. Physical Review E, 2000, 61, 4809-4820.	0.8	17
906	Influence of noise on statistical properties of nonhyperbolic attractors. Physical Review E, 2000, 62, 7886-7893.	0.8	17
907	Linear and nonlinear time series analysis of the black hole candidate CygnusX-1. Physical Review E, 2000, 61, 1342-1352.	0.8	27
908	Symbolic dynamics of event-related brain potentials. Physical Review E, 2000, 62, 5518-5541.	0.8	62
909	ON PHASE SYNCHRONIZATION BY PERIODIC FORCE IN CHAOTIC OSCILLATORS WITH SADDLE EQUILIBRIA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2649-2667.	0.7	11
910	IS THE SOLAR ACTIVITY CYCLE SYNCHRONIZED WITH THE SOLAR INERTIAL MOTION?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2519-2526.	0.7	22
911	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
912	DETECTION OF PHASE SYNCHRONIZATION IN HUMAN MEG DATA. , 2000, , .		0
913	Synchronization in the human cardiorespiratory system. Physical Review E, 1999, 60, 857-870.	0.8	280
914	Alternating Locking Ratios in Imperfect Phase Synchronization. Physical Review Letters, 1999, 82, 4228-4231.	2.9	140
915	Modeling of deterministic chaotic systems. Physical Review E, 1999, 59, 2907-2910.	0.8	48
916	SELF-ORGANIZED CRITICALITY MODEL FOR EARTHQUAKES: QUIESCENCE, FORESHOCKS AND AFTERSHOCKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 2249-2255.	0.7	5
917	Equations of motion from chaotic data: A driven optical fiber ring resonator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 47-54.	0.9	23
918	The bootstrap and Lyapunov exponents in deterministic chaos. Physica D: Nonlinear Phenomena, 1999, 126, 49-59.	1.3	43

#	ARTICLE	IF	CITATIONS
919	Phase synchronization in the forced Lorenz system. <i>Physical Review E</i> , 1999, 60, 6627-6638.	0.8	90
920	Tracer dynamics in a flow of driven vortices. <i>Physical Review E</i> , 1999, 59, 1605-1614.	0.8	11
921	Amplitude Equations from Spatiotemporal Binary-Fluid Convection Data. <i>Physical Review Letters</i> , 1999, 83, 3422-3425.	2.9	83
922	Length Scales of Clustering in Granular Gases. <i>Physical Review Letters</i> , 1999, 82, 4819-4822.	2.9	13
923	Heartbeat synchronized with ventilation. <i>Nature</i> , 1998, 392, 239-240.	13.7	656
924	Multiparametric Analysis of Heart Rate Variability Used for Risk Stratification Among Survivors of Acute Myocardial Infarction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1998, 21, 186-196.	0.5	96
925	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
926	Symbolic dynamics behind the singular continuous power spectra of continuous flows. <i>Physica D: Nonlinear Phenomena</i> , 1998, 117, 77-94.	1.3	4
927	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
928	Spahnet al.reply.. <i>Physical Review Letters</i> , 1998, 80, 5709-5709.	2.9	0
929	Polydisperse adsorption: Pattern formation kinetics, fractal properties, and transition to order. <i>Physical Review E</i> , 1998, 58, 3530-3536.	0.8	10
930	Quantification of cancellous bone structure using symbolic dynamics and measures of complexity. <i>Physical Review E</i> , 1998, 58, 6449-6459.	0.8	20
931	Testing stationarity in time series. <i>Physical Review E</i> , 1998, 58, 1800-1810.	0.8	57
932	Test for nonlinear dynamical behavior in symbol sequences. <i>Physical Review E</i> , 1998, 58, 1155-1158.	0.8	14
933	Detection of Phase Locking from Noisy Data: Application to Magnetoencephalography. <i>Physical Review Letters</i> , 1998, 81, 3291-3294.	2.9	1,279
934	Measures of complexity for cancellous bone. <i>Technology and Health Care</i> , 1998, 6, 373-390.	0.5	13
935	Wavelet Analysis of Solar Flare Hard X-rays. <i>Astrophysical Journal</i> , 1998, 505, 941-956.	1.6	88
936	Measures of complexity for cancellous bone. <i>Technology and Health Care</i> , 1998, 6, 373-90.	0.5	0

#	ARTICLE	IF	CITATIONS
937	Characterizing the dynamics of stochastic bistable systems by measures of complexity. Physical Review E, 1997, 55, 5050-5059.	0.8	23
938	Control of noise-induced oscillations of a pendulum with a randomly vibrating suspension axis. Physical Review E, 1997, 56, 1465-1470.	0.8	28
939	Tempo-induced transitions in polyrhythmic hand movements. Physical Review E, 1997, 56, 5823-5833.	0.8	47
940	Attractor-Repeller Collision and Eyelet Intermittency at the Transition to Phase Synchronization. Physical Review Letters, 1997, 79, 47-50.	2.9	209
941	Clustering of Granular Assemblies with Temperature Dependent Restitution under Keplerian Differential Rotation. Physical Review Letters, 1997, 78, 1596-1599.	2.9	47
942	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
943	From Phase to Lag Synchronization in Coupled Chaotic Oscillators. Physical Review Letters, 1997, 78, 4193-4196.	2.9	1,161
944	Phase synchronization effects in a lattice of nonidentical Rössler oscillators. Physical Review E, 1997, 55, 2353-2361.	0.8	239
945	Synchronization transitions in coupled chaotic oscillators. , 1997, , .		0
946	Coherence Resonance in a Noise-Driven Excitable System. Physical Review Letters, 1997, 78, 775-778.	2.9	1,515
947	On the correlation dimension of the spectral measure for the thue-morse sequence. Journal of Statistical Physics, 1997, 88, 1387-1392.	0.5	18
948	Reconstruction of non-linear time delay models from data by the use of optimal transformations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 234, 336-344.	0.9	122
949	Dynamics of chaos-order interface in coupled map lattices. Physica D: Nonlinear Phenomena, 1997, 103, 330-347.	1.3	6
950	Phase synchronization of chaotic oscillators by external driving. Physica D: Nonlinear Phenomena, 1997, 104, 219-238.	1.3	497
951	Symbolic dynamics of physiological synchronization: Examples from bimanual movements and cardiorespiratory interaction. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 973-984.	0.6	15
952	Nonlinear dynamics in cardiovascular diseases. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 935-941.	0.6	7
953	Fractal Formation and Ordering in Random Sequential Adsorption. Physical Review Letters, 1996, 76, 4058-4061.	2.9	49
954	Steady Viscous Flow with Fractal Power Spectrum. Physical Review Letters, 1996, 77, 4338-4341.	2.9	21

#	ARTICLE	IF	CITATIONS
955	Synchronization in a population of globally coupled chaotic oscillators. Europhysics Letters, 1996, 34, 165-170.	0.7	211
956	Reconstruction and structure of electrocardiogram phase portraits. Physical Review E, 1996, 54, 737-742.	0.8	16
957	Phase Synchronization of Chaotic Oscillators. Physical Review Letters, 1996, 76, 1804-1807.	2.9	2,475
958	Relativistic Astrophysics: 162. WEÄ€HeraeusÄ€Seminar/Physics and Dynamics between Chaos, Order, and Noise: Chaos, Order, and Noise/Quantum Chaos and Dissipation: 164. WEÄ€HeraeusÄ€Seminar. Physik Journal, 1996, 52, 1250-1251.	0.1	0
959	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
960	Delay-induced transitions in visually guided movements. Physical Review E, 1996, 54, R2224-R2227.	0.8	85
961	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
962	Strange non-chaotic attractor in a quasiperiodically forced circle map. Physica D: Nonlinear Phenomena, 1995, 88, 176-186.	1.3	125
963	Symmetry breaking in distributed systems and modulational spatio-temporal intermittency. Chaos, Solitons and Fractals, 1995, 5, 1893-1899.	2.5	10
964	A model of neural control of the heart rate. Physica A: Statistical Mechanics and Its Applications, 1995, 215, 439-450.	1.2	10
965	Singular continuous spectra in dissipative dynamics. Physical Review E, 1995, 52, 285-296.	0.8	72
966	Generalized entropies in a turbulent dynamo simulation. Physical Review E, 1995, 52, R4602-R4605.	0.8	16
967	Quantitative analysis of heart rate variability. Chaos, 1995, 5, 88-94.	1.0	425
968	Testing for nonlinearity in radiocarbon data. Nonlinear Processes in Geophysics, 1994, 1, 72-76.	0.6	34
969	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
970	Period-doubling bifurcations in the presence of colored noise. Physical Review E, 1994, 49, 3801-3806.	0.8	11
971	Do globally coupled maps really violate the law of large numbers?. Physical Review Letters, 1994, 72, 1644-1646.	2.9	78
972	Roughening interfaces in the dynamics of perturbations of spatiotemporal chaos. Physical Review E, 1994, 49, 898-901.	0.8	62

#	ARTICLE	IF	CITATIONS
973	Analysis of solar spike events by means of symbolic dynamics methods. <i>Space Science Reviews</i> , 1994, 68, 245-246.	3.7	17
974	The renormalized entropyâ€™an appropriate complexity measure?. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 1907-1916.	2.5	31
975	A comparative classification of complexity measures. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 133-173.	2.5	232
976	Collective behavior in ensembles of globally coupled maps. <i>Physica D: Nonlinear Phenomena</i> , 1994, 76, 411-419.	1.3	32
977	Search for solar periodicities in Miocene tree ring widths. <i>Terra Nova</i> , 1993, 5, 359-363.	0.9	39
978	On the Chaotic Nature of Solar Activity. <i>International Astronomical Union Colloquium</i> , 1993, 132, 13-20.	0.1	0
979	Mass transfer rate and outburst cycle of SS Cygni. <i>Astrophysical Journal</i> , 1993, 412, L41.	1.6	2
980	Complexity and meaning in nonlinear dynamical systems. <i>Open Systems and Information Dynamics</i> , 1992, 1, 269-289.	0.5	24
981	Frequency domain analysis of highly amplified ECG on the basis of maximum entropy spectral estimation. <i>Medical and Biological Engineering and Computing</i> , 1992, 30, 277-282.	1.6	14
982	The question of an internal Martian magnetic field. <i>Planetary and Space Science</i> , 1991, 39, 83-88.	0.9	40
983	Microwave characteristics of a behind-the-limb proton flare. <i>Solar Physics</i> , 1991, 134, 171-186.	1.0	5
984	Lyapunov exponents for hydromagnetic convection. <i>Physical Review A</i> , 1991, 44, R3427-R3429.	1.0	17
985	On forecasting the sunspot numbers. <i>Solar Physics</i> , 1990, 126, 407-410.	1.0	54
986	A survey of the peculiar radio emission of the solar behindâ€™limb event on 16th February 1984. <i>Astronomische Nachrichten</i> , 1990, 311, 55-62.	0.6	7
987	BENOIT B. MANDELBROT: Die fraktale Geometrie der Natur. BirkhÃuser Verlag, Basel, 1987, 491 Seiten. Preis: Sfr 98,-. ISBN 3-7643-1771-X. <i>Astronomische Nachrichten</i> , 1990, 311, 88-88.	0.6	2
988	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
989	Magnetic fields near Mars: first results. <i>Nature</i> , 1989, 341, 604-607.	13.7	246
990	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

#	ARTICLE	IF	CITATIONS
991	Estimate of plasma parameters in a coronal loop by means of a fiber burst. Solar Physics, 1987, 108, 131-137.	1.0	6
992	An attractor in a solar time series. Physica D: Nonlinear Phenomena, 1987, 25, 165-172.	1.3	143
993	Can a solar pulsation event be characterized by a low-dimensional chaotic attractor?. Solar Physics, 1986, 107, 39-45.	1.0	36
994	On a strange recurring type I burst pattern. Solar Physics, 1986, 107, 123-133.	1.0	4
995	Some results of a statistical analysis of the S-component of solar radio emission. Solar Physics, 1978, 60, 361-365.	1.0	2
996	Noise-enhanced phase synchronization of weakly coupled chaotic oscillators. , 0, , .		1
997	Controlled phase synchronization in oscillatory networks. , 0, , .		0
998	Synchronization of chaotic intermittent behavior. , 0, , .		0
999	Automatic control of phase synchronization in coupled complex oscillators. , 0, , .		2
1000	Synchronization Analysis and Recurrence in Complex Systems. , 0, , 231-264.		4
1001	Constructing a Virtual Proteasome. , 0, , 373-400.		0
1002	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