Michael Small

List of Publications by Year
in descending order

279 papers	8,367 citations	45 h-index (53794)	79 g-index (64796)
307 all docs	307 docs citations	307 times ranked	5350 citing authors

#	Article	IF	Citations
1	Complex Network from Pseudoperiodic Time Series: Topology versus Dynamics. Physical Review Letters, 2006, 96, 238701.	7.8	657
2	Superfamily phenomena and motifs of networks induced from time series. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19601-19605.	7.1	422
3	RECURRENCE-BASED TIME SERIES ANALYSIS BY MEANS OF COMPLEX NETWORK METHODS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1019-1046.	1.7	350
4	Complex network analysis of time series. Europhysics Letters, 2016, 116, 50001.	2.0	230
5	Dynamic versus static biomarkers in cancer immune checkpoint blockade: unravelling complexity. Nature Reviews Drug Discovery, 2017, 16, 264-272.	46.4	204
6	Epidemic dynamics on scale-free networks with piecewise linear infectivity and immunization. Physical Review E, 2008, 77, 036113.	2.1	199
7	The impact of awareness on epidemic spreading in networks. Chaos, 2012, 22, 013101.	2.5	189
8	Characterizing pseudoperiodic time series through the complex network approach. Physica D: Nonlinear Phenomena, 2008, 237, 2856-2865.	2.8	183
9	Sensitization to immune checkpoint blockade through activation of a STAT1/NK axis in the tumor microenvironment. Science Translational Medicine, 2019, 11, .	12.4	147
10	Surrogate Test for Pseudoperiodic Time Series Data. Physical Review Letters, 2001, 87, .	7.8	134
11	Time lagged ordinal partition networks for capturing dynamics of continuous dynamical systems. Chaos, 2015, 25, 053101.	2.5	127
12	Hub nodes inhibit the outbreak of epidemic under voluntary vaccination. New Journal of Physics, 2010, 12, 023015.	2.9	117
13	Basin of Attraction Determines Hysteresis in Explosive Synchronization. Physical Review Letters, 2014, 112, 114102.	7.8	110
14	Synchronization of chaotic systems and their machine-learning models. Physical Review E, 2019, 99, 042203.	2.1	94
15	SMALL WORLD AND SCALE FREE MODEL OF TRANSMISSION OF SARS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1745-1755.	1.7	92
16	Scale-Free Distribution of Avian Influenza Outbreaks. Physical Review Letters, 2007, 99, 188702.	7.8	86
17	Optimal embedding parameters: a modelling paradigm. Physica D: Nonlinear Phenomena, 2004, 194, 283-296.	2.8	82
18	Super-spreaders and the rate of transmission of the SARS virus. Physica D: Nonlinear Phenomena, 2006, 215, 146-158.	2.8	82

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19	Is breathing in infants chaotic? Dimension estimates for respiratory patterns during quiet sleep. Journal of Applied Physiology, 1999, 86, 359-376.	2.5	80
20	Pinning synchronization of delayed neural networks. Chaos, 2008, 18, 043111.	2.5	75
21	Applying the method of surrogate data to cyclic time series. Physica D: Nonlinear Phenomena, 2002, 164, 187-201.	2.8	71
22	Constructing ordinal partition transition networks from multivariate time series. Scientific Reports, 2017, 7, 7795.	3.3	68
23	Detecting determinism in time series: the method of surrogate data. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 663-672.	0.1	67
24	Characterizing system dynamics with a weighted and directed network constructed from time series data. Chaos, 2014, 24, 024402.	2.5	67
25	Preferential imitation can invalidate targeted subsidy policies on seasonal-influenza diseases. Applied Mathematics and Computation, 2017, 294, 332-342.	2.2	66
26	Clustering model for transmission of the SARS virus: application to epidemic control and risk assessment. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 499-511.	2.6	65
27	Rich-club connectivity dominates assortativity and transitivity of complex networks. Physical Review E, 2010, 82, 046117.	2.1	65
28	Minimum description length neural networks for time series prediction. Physical Review E, 2002, 66, 066701.	2.1	64
29	Efficient implementation of the Gaussian kernel algorithm in estimating invariants and noise level from noisy time series data. Physical Review E, 2000, 61, 3750-3756.	2.1	63
30	Subspace Based Network Community Detection Using Sparse Linear Coding. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 801-812.	5.7	59
31	Complex network structure of musical compositions: Algorithmic generation of appealing music. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 126-132.	2.6	57
32	Impacts of subsidy policies on vaccination decisions in contact networks. Physical Review E, 2013, 88, 012813.	2.1	57
33	Long-term changes in the northâ€"south asymmetry of solar activity: a nonlinear dynamics characterization using visibility graphs. Nonlinear Processes in Geophysics, 2014, 21, 1113-1126.	1.3	57
34	Multiscale ordinal network analysis of human cardiac dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160292.	3.4	55
35	Flocking of multi-agent dynamical systems based on pseudo-leader mechanism. Systems and Control Letters, 2012, 61, 195-202.	2.3	54
36	Dynamics of self-excited thermoacoustic instability in a combustion system: Pseudo-periodic and high-dimensional nature. Chaos, 2015, 25, 043107.	2.5	53

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37	Deterministic nonlinearity in ventricular fibrillation. Chaos, 2000, 10, 268-277.	2.5	50
38	Detecting chaos in pseudoperiodic time series without embedding. Physical Review E, 2006, 73, 016216.	2.1	50
39	Identifying the Topology of a Coupled FitzHughâ€“Nagumo Neurobiological Network via a Pinning Mechanism. IEEE Transactions on Neural Networks, 2009, 20, 1679-1684.	4.2	50
40	Multiscale characterization of recurrence-based phase space networks constructed from time series. Chaos, 2012, 22, 013107.	2.5	50
41	A Novel Control Strategy of DFIG Wind Turbines in Complex Power Systems for Enhancement of Primary Frequency Response and LFOD. IEEE Transactions on Power Systems, 2018, 33, 1811-1823.	6.5	48
42	Comparisons of new nonlinear modeling techniques with applications to infant respiration. Physica D: Nonlinear Phenomena, 1998, 117, 283-298.	2.8	47
43	Uncovering non-linear structure in human ECG recordings. Chaos, Solitons and Fractals, 2002, 13, 1755-1762.	5.1	47
44	Node importance for dynamical process on networks: A multiscale characterization. Chaos, 2011, 21, 016107.	2.5	46
45	ON A DYNAMICAL SYSTEM WITH MULTIPLE CHAOTIC ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3235-3251.	1.7	45
46	Reexamination of explosive synchronization in scale-free networks: The effect of disassortativity. Physical Review E, 2013, 87, 042803.	2.1	45
47	Complex network approach to characterize the statistical features of the sunspot series. New Journal of Physics, 2014, 16, 013051.	2.9	45
48	Link prediction for tree-like networks. Chaos, 2019, 29, 061103.	2.5	45
49	Superinfection Behaviors on Scale-Free Networks with Competing Strains. Journal of Nonlinear Science, 2013, 23, 113-127.	2.1	44
50	Towards long-term prediction. Physica D: Nonlinear Phenomena, 2000, 136, 31-44.	2.8	42
51	Complex networks from time series: Capturing dynamics. , 2013, , .		42
52	The use of the perimeter-area method to calculate the fractal dimension of aggregates. Powder Technology, 2019, 343, 551-559.	4.2	42
53	Correlation dimension: A pivotal statistic for non-constrained realizations of composite hypotheses in surrogate data analysis. Physica D: Nonlinear Phenomena, 1998, 120, 386-400.	2.8	41
54	Modelling Strong Control Measures for Epidemic Propagation With Networksâ€"A COVID-19 Case Study. IEEE Access, 2020, 8, 109719-109731.	4.2	41

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55	A Load-Forecasting-Based Adaptive Parameter Optimization Strategy of STATCOM Using ANNs for Enhancement of LFOD in Power Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 2463-2472.	11.3	40
56	Consistency in echo-state networks. Chaos, 2019, 29, 023118.	2.5	39
57	Link direction for link prediction. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 767-776.	2.6	38
58	Epidemic outbreaks on networks with effective contacts. Nonlinear Analysis: Real World Applications, 2010, 11, 1017-1025.	1.7	37
59	Rhythmic Dynamics and Synchronization via Dimensionality Reduction: Application to Human Gait. PLoS Computational Biology, 2010, 6, e1001033.	3.2	37
60	Time series analysis of the developed financial marketsâ€™ integration using visibility graphs. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 483-495.	2.6	37
61	Small-shuffle surrogate data: Testing for dynamics in fluctuating data with trends. Physical Review E, 2005, 72, 056216.	2.1	36
62	Regenerating time series from ordinal networks. Chaos, 2017, 27, 035814.	2.5	35
63	Scale-free networks which are highly assortative but not small world. Physical Review E, 2008, 77, 066112.	2.1	34
64	Self-organization of a neural network with heterogeneous neurons enhances coherence and stochastic resonance. Chaos, 2009, 19, 013126.	2.5	34
65	Testing for nonlinearity in irregular fluctuations with long-term trends. Physical Review E, 2006, 74, 026205.	2.1	33
66	Counting forbidden patterns in irregularly sampled time series. I. The effects of under-sampling, random depletion, and timing jitter. Chaos, 2016, 26, 123103.	2.5	33
67	Detecting temporal and spatial correlations in pseudoperiodic time series. Physical Review E, 2007, 75, 016218.	2.1	32
68	Seeding the Kernels in graphs: toward multi-resolution community analysis. New Journal of Physics, 2009, 11, 113003.	2.9	32
69	Modeling the influence of information on the coevolution of contact networks and the dynamics of infectious diseases. Physica D: Nonlinear Phenomena, 2012, 241, 1512-1517.	2.8	32
70	Global Stability of Epidemic Models With Imperfect Vaccination and Quarantine on Scale-Free Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1583-1596.	6.4	32
71	Detecting periodicity in experimental data using linear modeling techniques. Physical Review E, 1999, 59, 1379-1385.	2.1	31
72	Risk estimation of infectious diseases determines the effectiveness of the control strategy. Physica D: Nonlinear Phenomena, 2011, 240, 943-948.	2.8	31

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73	Adaptive cluster synchronization in networks with time-varying and distributed coupling delays. Applied Mathematical Modelling, 2014, 38, 1300-1314.	4.2	30
74	Counting forbidden patterns in irregularly sampled time series. II. Reliability in the presence of highly irregular sampling. Chaos, 2016, 26, 123104.	2.5	30
75	Evolving networksâ€"Using past structure to predict the future. Physica A: Statistical Mechanics and Its Applications, 2016, 455, 120-135.	2.6	30
76	Prevention of infectious diseases by public vaccination and individual protection. Journal of Mathematical Biology, 2016, 73, 1561-1594.	1.9	30
77	The role of direct links for link prediction in evolving networks. Europhysics Letters, 2017, 117, 28002.	2.0	30
78	Detecting Nonlinearity in Experimental Data. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1231-1244.	1.7	29
79	Surrogate test to distinguish between chaotic and pseudoperiodic time series. Physical Review E, 2005, 71, 026230.	2.1	29
80	Unified framework for detecting phase synchronization in coupled time series. Physical Review E, 2009, 80, 046219.	2.1	29
81	Mapping from structure to dynamics: A unified view of dynamical processes on networks. Physical Review E, 2010, 82, 026116.	2.1	28
82	Time-series analysis of networks: Exploring the structure with random walks. Physical Review E, 2014, 90, 022804.	2.1	27
83	LÃ©vy Walk Navigation in Complex Networks: A Distinct Relation between Optimal Transport Exponent and Network Dimension. Scientific Reports, 2015, 5, 17309.	3.3	27
84	Growing networks with communities: A distributive link model. Chaos, 2020, 30, 041101.	2.5	27
85	Adjusting learning motivation to promote cooperation. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4734-4739.	2.6	26
86	Generation of clusters in complex dynamical networks via pinning control. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 505101.	2.1	25
87	Transforming Time Series into Complex Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 2078-2089.	0.3	25
88	Constructing networks from a dynamical system perspective for multivariate nonlinear time series. Physical Review E, 2016, 93, 032323.	2.1	25
89	The reservoirâ€™s perspective on generalized synchronization. Chaos, 2019, 29, 093133.	2.5	25
90	Review mechanism promotes knowledge transmission in complex networks. Applied Mathematics and Computation, 2019, 340, 113-125.	2.2	24

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91	Phase coherence and attractor geometry of chaotic electrochemical oscillators. Chaos, 2012, 22, 033130.	2.5	23
92	Exactly scale-free scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2015, 433, 182-197.	2.6	23
93	Measuring temporal complexity of ventricular fibrillation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 265, 68-75.	2.1	22
94	A COMPARATIVE STUDY OF INFORMATION CRITERIA FOR MODEL SELECTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2153-2175.	1.7	22
95	Growing optimal scale-free networks via likelihood. Physical Review E, 2015, 91, 042801.	2.1	22
96	Enhancing complex network controllability by minimum link direction reversal. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1321-1325.	2.1	22
97	Influence of dynamic immunization on epidemic spreading in networks. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 566-574.	2.6	22
98	Adaptive mechanism between dynamical synchronization and epidemic behavior on complex networks. Chaos, 2011, 21, 033111.	2.5	21
99	Parameter inference in small world network disease models with approximate Bayesian Computational methods. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 540-548.	2.6	20
100	Memory and betweenness preference in temporal networks induced from time series. Scientific Reports, 2017, 7, 41951.	3.3	20
101	Multiple random walks on complex networks: A harmonic law predicts search time. Physical Review E, 2017, 95, 052103.	2.1	20
102	Markov modeling via ordinal partitions: An alternative paradigm for network-based time-series analysis. Physical Review E, 2019, 100, 062307.	2.1	20
103	Minimum description length criterion for modeling of chaotic attractors with multilayer perceptron networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 722-732.	0.1	19
104	Tests of the random walk hypothesis for financial data. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 599-615.	2.6	19
105	Extension of the local subspace method to enhancement of speech with colored noise. Signal Processing, 2008, 88, 1881-1888.	3.7	19
106	Dynamical Modeling of Collective Behavior from Pigeon Flight Data: Flock Cohesion and Dispersion. PLoS Computational Biology, 2012, 8, e1002449.	3.2	19
107	Interplay between collective behavior and spreading dynamics on complex networks. Chaos, 2012, 22, 043113.	2.5	19
108	Deterministic and random synthesis of discrete chaos. Applied Mathematics and Computation, 2007, 192, 283-297.	2.2	18

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109	Revising the simple measures of assortativity in complex networks. Physical Review E, 2009, 80, 056106.	2.1	18
110	Reciprocal relationships in collective flights of homing pigeons. Physical Review E, 2012, 85, 026120.	2.1	18
111	Fast automatic detection of geological boundaries from multivariate log data using recurrence. Computers and Geosciences, 2020, 135, 104362.	4.2	18
112	GENERATING AN ASSORTATIVE NETWORK WITH A GIVEN DEGREE DISTRIBUTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3495-3502.	1.7	17
113	Inferring networks from multivariate symbolic time series to unravel behavioural interactions among animals. Animal Behaviour, 2010, 79, 351-359.	1.9	17
114	Neuronal avalanches of a self-organized neural network with active-neuron-dominant structure. Chaos, 2012, 22, 023104.	2.5	17
115	Dynamical Influence of Nodes Revisited: A Markov Chain Analysis of Epidemic Process on Networks. Chinese Physics Letters, 2012, 29, 048903.	3.3	17
116	What exactly are the properties of scale-free and other networks?. Europhysics Letters, 2013, 103, 58004.	2.0	17
117	Control of layer 5 pyramidal cell spiking by oscillatory inhibition in the distal apical dendrites: a computational modeling study. Journal of Neurophysiology, 2013, 109, 2739-2756.	1.8	17
118	Examining <i>k</i>-nearest neighbour networks: Superfamily phenomena and inversion. Chaos, 2016, 26, 043101.	2.5	17
119	Complex networks untangle competitive advantage in Australian football. Chaos, 2018, 28, 053105.	2.5	17
120	Mapping topological characteristics of dynamical systems into neural networks: A reservoir computing approach. Physical Review E, 2020, 102, 033314.	2.1	17
121	Modeling continuous processes from data. Physical Review E, 2002, 65, 046704.	2.1	16
122	Scale-free user-network approach to telephone network traffic analysis. Physical Review E, 2005, 72, 026116.	2.1	16
123	EVIDENCE CONSISTENT WITH DETERMINISTIC CHAOS IN HUMAN CARDIAC DATA: SURROGATE AND NONLINEAR DYNAMICAL MODELING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 141-160.	1.7	16
124	Different Epidemic Models on Complex Networks. Communications in Theoretical Physics, 2009, 52, 180-184.	2.5	16
125	Enhancement of signal sensitivity in a heterogeneous neural network refined from synaptic plasticity. New Journal of Physics, 2010, 12, 083045.	2.9	16
126	Practical synchronization on complex dynamical networks via optimal pinning control. Physical Review E, 2015, 92, 010903.	2.1	16

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127	Navigation by anomalous random walks on complex networks. Scientific Reports, 2016, 6, 37547.	3.3	16
128	Fitness networks for real world systems via modified preferential attachment. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 49-60.	2.6	16
129	Brain anomaly networks uncover heterogeneous functional reorganization patterns after stroke. NeuroImage: Clinical, 2018, 20, 523-530.	2.7	16
130	Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. Chaos, 2019, 29, 093123.	2.5	16
131	Maximum entropy networks are more controllable than preferential attachment networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3426-3430.	2.1	15
132	Constructing directed networks from multivariate time series using linear modelling technique. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 437-455.	2.6	15
133	Transmission Dynamics of an SIS Model with Age Structure on Heterogeneous Networks. Bulletin of Mathematical Biology, 2018, 80, 2049-2087.	1.9	15
134	Suboptimal Control and Targeted Constant Control for Semi-Random Epidemic Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2602-2610.	9.3	15
135	Determinism in Financial Time Series. Studies in Nonlinear Dynamics and Econometrics, 2003, 7, .	0.3	14
136	Analysis of telephone network traffic based on a complex user network. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 583-594.	2.6	14
137	Staged progression model for epidemic spread on homogeneous and heterogeneous networks. Journal of Systems Science and Complexity, 2011, 24, 619.	2.8	14
138	Is Bachâ€™s brain a Markov chain? Recurrence quantification to assess Markov order for short, symbolic, musical compositions. Chaos, 2018, 28, 085715.	2.5	14
139	Attack Resilience of the Evolving Scientific Collaboration Network. PLoS ONE, 2011, 6, e26271.	2.5	14
140	A general stochastic model for studying time evolution of transition networks. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 198-210.	2.6	13
141	Hunting for a moving target on a complex network. Europhysics Letters, 2017, 119, 48006.	2.0	13
142	On system behaviour using complex networks of a compression algorithm. Chaos, 2018, 28, 013101.	2.5	13
143	Cooperative output regulation problem of multi-agent systems with stochastic packet dropout and time-varying communication delay. Journal of the Franklin Institute, 2018, 355, 8664-8682.	3.4	13
144	Inclusivity enhances robustness and efficiency of social networks. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125490.	2.6	13

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145	Random complex networks. National Science Review, 2014, 1, 357-367.	9.5	12
146	Effects of Edge Directions on the Structural Controllability of Complex Networks. PLoS ONE, 2015, 10, e0135282.	2.5	12
147	Mathematical methods in medicine: neuroscience, cardiology and pathology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20170016.	3.4	12
148	Identification of Dynamical Behavior of Pseudoperiodic Time Series by Network Community Structure. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1905-1909.	3.0	12
149	From phase space to frequency domain: A time-frequency analysis for chaotic time series. Physical Review E, 2007, 76, 016220.	2.1	11
150	Predicting the outcome of roulette. Chaos, 2012, 22, 033150.	2.5	11
151	Threshold analysis of the susceptible-infected-susceptible model on overlay networks. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2435-2443.	3.3	11
152	Multitarget search on complex networks: A logarithmic growth of global mean random cover time. Chaos, 2017, 27, 093103.	2.5	11
153	Epidemic spreading on metapopulation networks including migration and demographics. Chaos, 2018, 28, 083102.	2.5	11
154	Quadrant scan for multi-scale transition detection. Chaos, 2019, 29, 103117.	2.5	11
155	Identification and prediction of bifurcation tipping points using complex networks based on quasi-isometric mapping. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125108.	2.6	11
156	Particle-resolved direct numerical simulation of drag force on permeable, non-spherical aggregates. Chemical Engineering Science, 2020, 218, 115582.	3.8	11
157	Link prediction for long-circle-like networks. Physical Review E, 2022, 105, 024311.	2.1	11
158	Testing Time Series for Nonlinearity. Statistics and Computing, 2001, 11, 257-268.	1.5	10
159	OBSERVATION OF A PERIOD DOUBLING BIFURCATION DURING ONSET OF HUMAN VENTRICULAR FIBRILLATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 743-754.	1.7	10
160	Contraction stability and transverse stability of synchronization in complex networks. Physical Review E, 2007, 76, 056213.	2.1	10
161	Detecting phase synchronization in noisy data from coupled chaotic oscillators. Physical Review E, 2008, 77, 046213.	2.1	10
162	OSCILLATIONS AND PHASE TRANSITION IN THE MEAN INFECTION RATE OF A FINITE POPULATION. International Journal of Modern Physics C, 2010, 21, 1207-1215.	1.7	10

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163	Complex networks in confined comminution. Physical Review E, 2011, 84, 021301.	2.1	10
164	Temporal prediction of epidemic patterns in community networks. New Journal of Physics, 2013, 15, 113033.	2.9	10
165	A complex systems analysis of stick-slip dynamics of a laboratory fault. Chaos, 2014, 24, 013132.	2.5	10
166	Tracking a single pigeon using a shadowing filter algorithm. Ecology and Evolution, 2017, 7, 4419-4431.	1.9	10
167	Predator-prey games on complex networks. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104911.	3.3	10
168	Comparing capability of scenario hazard identification methods by the PIC (Plant-People-Procedure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.9	10
169	A novel metric for community detection. Europhysics Letters, 2020, 129, 68002.	2.0	10
170	APPLYING THE METHOD OF SMALLâ€"SHUFFLE SURROGATE DATA: TESTING FOR DYNAMICS IN FLUCTUATING DATA WITH TRENDS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3581-3603.	1.7	9
171	Reducing colored noise for chaotic time series in the local phase space. Physical Review E, 2007, 76, 026211.	2.1	9
172	Three structural properties reflecting the synchronizability of complex networks. Physical Review E, 2009, 79, 067201.	2.1	9
173	Emergence of scaling and assortative mixing through altruism. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2192-2197.	2.6	9
174	Impact of gamma-oscillatory inhibition on the signal transmission of a cortical pyramidal neuron. Cognitive Neurodynamics, 2011, 5, 241-251.	4.0	9
175	Characterizing chaotic dynamics from simulations of large strain behavior of a granular material under biaxial compression. Chaos, 2013, 23, 013113.	2.5	9
176	Modelling and tracking the flight dynamics of flocking pigeons based on real GPS data (small flock). Ecological Modelling, 2017, 344, 62-72.	2.5	9
177	Detection of core-periphery structure in networks based on 3-tuple motifs. Chaos, 2018, 28, 053121.	2.5	9
178	An Exploration and Simulation of Epidemic Spread and its Control in Multiplex Networks. SIAM Journal on Applied Mathematics, 2018, 78, 1602-1631.	1.8	9
179	TEMPORAL EVOLUTION OF NONLINEAR DYNAMICS IN VENTRICULAR ARRHYTHMIA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2531-2548.	1.7	8
180	IMPROVED PARAMETER ESTIMATION FROM NOISY TIME SERIES FOR NONLINEAR DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1741-1752.	1.7	8

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181	Changing motif distributions in complex networks by manipulating rich-club connections. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 4621-4626.	2.6	8
182	Dynamical diversity induced by individual responsive immunization. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2792-2802.	2.6	8
183	Improvements to local projective noise reduction through higher order and multiscale refinements. Chaos, 2015, 25, 063114.	2.5	8
184	Dynamical Systems Induced on Networks Constructed from Time Series. Entropy, 2015, 17, 6433-6446.	2.2	8
185	Reconstruction of Complex Dynamical Systems from Time Series using Reservoir Computing. , 2019, , .		8
186	Reservoir computing with swarms. Chaos, 2021, 31, 033121.	2.5	8
187	A Surrogate Test for Pseudo-periodic Time Series Data. AIP Conference Proceedings, 2002, , .	0.4	7
188	Testing for nonlinearity in time series without the Fourier transform. Physical Review E, 2005, 72, 055201.	2.1	7
189	Optimal phase-space projection for noise reduction. Physical Review E, 2005, 72, 046710.	2.1	7
190	EQUIVALENCE BETWEEN "FEELING THE PULSE" ON THE HUMAN WRIST AND THE PULSE PRESSURE WAVE AT FINGERTIP. International Journal of Neural Systems, 2005, 15, 277-286.	5.2	7
191	Nonlinear dynamical system identification with dynamic noise and observational noise. Physica D: Nonlinear Phenomena, 2006, 223, 54-68.	2.8	7
192	Testing for correlation structures in short-term variabilities with long-term trends of multivariate time series. Physical Review E, 2006, 74, 041114.	2.1	7
193	Binding under Conflict Conditions: Stateâ€"Space Analysis of Multivariate EEG Synchronization. Journal of Cognitive Neuroscience, 2011, 23, 2363-2375.	2.3	7
194	Quantifying network properties in multi-electrode recordings: spatiotemporal characterization and inter-trial variation of evoked gamma oscillations in mouse somatosensory cortex in vitro. Frontiers in Computational Neuroscience, 2013, 7, 134.	2.1	7
195	From local uncertainty to global predictions: Making predictions on fractal basins. PLoS ONE, 2018, 13, e0194926.	2.5	7
196	Predicting search time when hunting for multiple moving targets: A recursive harmonic law. Chaos, 2018, 28, 083109.	2.5	7
197	Synchronization of reservoir computers with applications to communications. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123453.	2.6	7
198	Laminar chaos in nonlinear electronic circuits with delay clock modulation. Physical Review E, 2020, 101, 012215.	2.1	7

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