Practical implementation of nonlinear time series meth

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Citation Report

#	Article	IF	CITATIONS
4	Genetic programming-based modeling on chaotic time series. , 0, , .		4
5	THE EFFECT OF THE DURATION OF PROGESTERONE PRETREATMENT ON THE RESPONSE OF THE SPAYED EWE TO OESTROGEN. Journal of Endocrinology, 1956, 14, 1-7.	1.2	48
6	Interdisciplinary application of nonlinear time series methods. Physics Reports, 1999, 308, 1-64.	10.3	297
7	Identification of Unstable Periodic Orbit in Inter–Edge-Localized-Mode Intervals in JT-60U. Physical Review Letters, 1999, 83, 1339-1342.	2.9	24
8	Spike doublets in neurons of the lateral amygdala. NeuroReport, 2000, 11, 1703-1708.	0.6	10
9	Hénon-like attractor in air bubble formation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 211-217.	0.9	19
10	Karhunen–LoÃ [~] ve decomposition of peripheral blood flow signal. Physica A: Statistical Mechanics and Its Applications, 2000, 280, 587-601.	1.2	16
11	Surrogate time series. Physica D: Nonlinear Phenomena, 2000, 142, 346-382.	1.3	1,399
12	Influence of adaptation on the nonlinear dynamics of a system of competing populations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 272, 368-380.	0.9	48
13	Detection of linear and nonlinear dependencies in time series using the method of surrogate data in S-PLUS. Computer Methods and Programs in Biomedicine, 2000, 63, 117-121.	2.6	2
14	Detecting nonlinearity in psychological data: Techniques and applications. Behavior Research Methods, 2000, 32, 280-289.	1.3	10
15	Stability and instability by the first approximation. Differential Equations, 2000, 36, 529-539.	0.1	0
16	Science of complexity: Phenomenological basis and possibility of application to problems of chemical engineering. Theoretical Foundations of Chemical Engineering, 2000, 34, 301-312.	0.2	10
17	Application of nonlinear forecasting techniques for meteorological modeling. Annales Geophysicae, 2000, 18, 1349-1359.	0.6	11
18	Chaotic behavior of renal sympathetic nerve activity: effect of baroreceptor denervation and cardiac failure. American Journal of Physiology - Renal Physiology, 2000, 279, F491-F501.	1.3	7
19	Financial time series modeling with evolutionary trained random iterated neural networks. , 0, , .		3
20	Measure the structure in heart rate variability. , 0, , .		0
21	Internally driven spatiotemporal irregularity in a dc glow discharge. Physical Review E, 2000, 62, 7219-7226.	0.8	11

ATION RED

#	Article	IF	CITATIONS
22	Information dimension analysis of chaotic forward volume spin waves in a yttrium–iron–garnet thin film. Journal of Applied Physics, 2000, 87, 5091-5093.	1.1	1
23	Pathological tremors: Deterministic chaos or nonlinear stochastic oscillators?. Chaos, 2000, 10, 278-288.	1.0	116
24	Time domain analysis of low frequency noise in giant magneto-resistive recording heads. IEEE Transactions on Magnetics, 2000, 36, 3621-3623.	1.2	1
25	Experimental Real-Time Phase Synchronization of a Paced Chaotic Plasma Discharge. Physical Review Letters, 2000, 85, 2929-2932.	2.9	123
26	<title>Nonlinear characteristics (chaos) of high-power microwave (HPM) sources</title> . , 2000, , .		1
27	Synchronization of chaotic semiconductor laser dynamics on subnanosecond time scales and its potential for chaos communication. Physical Review A, 2000, 62, .	1.0	296
28	Time domain analysis of low frequency noise in giant magnetoresistive recording heads. , 0, , .		0
29	Complexity of globally coupled chaotic electrochemical oscillators. Physical Chemistry Chemical Physics, 2000, 2, 3847-3854.	1.3	36
30	Experiments on Synchronization and Control of Chaos on Coupled Electrochemical Oscillators. Journal of Physical Chemistry B, 2000, 104, 7554-7560.	1.2	43
31	Deterministic chaos in atmospheric radon dynamics. Journal of Geophysical Research, 2001, 106, 17961-17968.	3.3	8
32	Prediction of Chaotic Dynamics in Sheared Liquid Crystalline Polymers. Physical Review Letters, 2001, 86, 3184-3187.	2.9	68
33	Chaotic analysis of seismic time series and short term forecasting using neural networks. , 0, , .		8
34	Synchronized chaotic mode hopping in DBR lasers with delayed opto-electric feedback. IEEE Journal of Quantum Electronics, 2001, 37, 337-352.	1.0	22
35	Detection of weak chaos in infant respiration. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 637-642.	5.5	12
36	Nonlinear analysis of heart rate variability. , 0, , .		5
37	Robust chaos in a model of the electroencephalogram: Implications for brain dynamics. Chaos, 2001, 11, 474-478.	1.0	65
38	Recurrence quantification analysis of spatio-temporal chaotic transient in a closed unstirred Belousov–Zhabotinsky reaction. Physical Chemistry Chemical Physics, 2001, 3, 5516-5520.	1.3	13
39	Analysis of cross-correlated chaotic streamflows. Hydrological Sciences Journal, 2001, 46, 781-793.	1.2	27

#	Article	IF	CITATIONS
40	On the presence of deterministic chaos in HRV signals. , 0, , .		3
41	Lyapunov exponents of time series in finite amplitude electroconvection. , 0, , .		1
42	Research Note: Nonlinear time series analysis of northern and southern solar hemisphere daily sunspot numbers in search of short-term chaotic behavior. Astronomy and Astrophysics, 2001, 379, 611-615.	2.1	17
43	Detection of Distributed Oscillations and Root-Cause Diagnosis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 149-154.	0.4	28
44	Noise Reduction Approach in Chaotic Hydrologic Time Series Revisited. Canadian Water Resources Journal, 2001, 26, 537-550.	0.5	6
45	Assessment of changing interdependencies between human electroencephalograms using nonlinear methods. Physica D: Nonlinear Phenomena, 2001, 148, 147-158.	1.3	76
46	New resampling method to assess the accuracy of the maximal Lyapunov exponent estimation. Physica D: Nonlinear Phenomena, 2001, 155, 101-111.	1.3	20
47	Testing for nonlinearity in high-dimensional time series from continuous dynamics. Physica D: Nonlinear Phenomena, 2001, 158, 32-44.	1.3	11
48	Pacing a chaotic plasma with a music signal. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 259-265.	0.9	5
49	Adaptation and its impact on the dynamics of a system of three competing populations. Physica A: Statistical Mechanics and Its Applications, 2001, 300, 91-115.	1.2	54
50	Fourier spectrum to recover deterministic and stochastic behavior in stirred tanks. AICHE Journal, 2001, 47, 2167-2176.	1.8	13
51	Intensity fluctuations of the copper site resonant vibrational modes as observed by MD simulation in single plastocyanin molecule. Chemical Physics Letters, 2001, 349, 503-510.	1.2	12
52	Distinguishing Periodic and Chaotic Time Series Obtained from an Experimental Nonlinear Pendulum. Nonlinear Dynamics, 2001, 26, 255-273.	2.7	26
53	Synchronization and rhythmic processes in physiology. Nature, 2001, 410, 277-284.	13.7	1,113
54	Is the EEG really "chaotic" in hypsarrhythmia. IEEE Engineering in Medicine and Biology Magazine, 2001, 20, 72-79.	1.1	20
55	Dynamic Analysis of Renal Nerve Activity Responses to Baroreceptor Denervation in Hypertensive Rats. Hypertension, 2001, 37, 1153-1163.	1.3	16
56	Response-Time Dynamics: Evidence for Linear and Low-Dimensional Nonlinear Structure in Human Choice Sequences. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 805-840.	2.3	28
57	Dynamical consequences of adaptation of the growth rates in a system of three competing populations. Journal of Physics A, 2001, 34, 7459-7473.	1.6	33

	Сіта	CITATION REPORT	
#	Article	IF	CITATIONS
58	Chaotic dynamics in shear-thickening surfactant solutions. Europhysics Letters, 2001, 56, 447-453.	0.7	74
59	Reducing noise in discretized time series. Physical Review E, 2001, 64, 046211.	0.8	4
60	Detecting determinism in high-dimensional chaotic systems. Physical Review E, 2001, 65, 016208.	0.8	6
61	Nonstationary Time-Series Analysis: Accurate Reconstruction of Driving Forces. Physical Review Letters, 2001, 87, 124101.	2.9	34
62	Multifractality in edge localized modes in Japan Atomic Energy Research Institute Tokamak-60 Upgrade. Physics of Plasmas, 2001, 8, 1248.	0.7	1
63	Synchronization experiments with an atmospheric global circulation model. Chaos, 2001, 11, 47.	1.0	14
64	Dimension of interaction dynamics. Physical Review E, 2001, 63, 036221.	0.8	9
65	Phase relationships between two or more interacting processes from one-dimensional time series. II. Application to heart-rate-variability data. Physical Review E, 2002, 65, 036212.	0.8	28
66	Chaotic oscillation in an attractive Bose-Einstein condensate under an impulsive force. Physical Review A, 2002, 65, .	1.0	21
67	Stress fluctuations in sheared Stokesian suspensions. Physical Review E, 2002, 66, 021409.	0.8	24
68	Modelling the finite amplitude electroconvection in cylindrical geometry: characterization of chaos. , 0, , .		1
69	Investigating the nonlinearity of fMRI activation data. , 0, , .		6
70	Bifurcations Induced by Periodic Forcing and Taming Chaos in Dripping Faucets. Journal of the Physical Society of Japan, 2002, 71, 49-55.	0.7	4
71	Phase resetting in neural oscillators as a component of circuit analysis. , 0, , .		1
72	A neural network-based approach to noise identification of interferometric GW antennas: the case of the 40 m Caltech laser interferometer. Classical and Quantum Gravity, 2002, 19, 3293-3307.	1.5	4
73	Are software failures chaotic?. , 0, , .		0
74	Onset of chaotic dynamics in a ball mill: Attractors merging and crisis induced intermittency. Chaos, 2002, 12, 601-609.	1.0	28
75	Predictability of atmospheric boundary-layer flows as a function of scale. Geophysical Research Letters, 2002, 29, 34-1.	1.5	9

#	Article	IF	CITATIONS
76	CHAOTIC ELECTROCONVECTION IN A LAYER OF DIELECTRIC LIQUID SUBJECTED TO UNIPOLAR INJECTION: MAXIMAL LYAPUNOV EXPONENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 2523-2534.	0.7	8
77	Low-dimensional chaos in zero-Prandtl-number Bénard–Marangoni convection. Physical Review E, 2002, 65, 037203.	0.8	30
78	A comparison of phase space reconstruction and spectral coherence approaches for diagnostics of bar and end-ring connector breakage faults in polyphase induction motors using current waveforms. , 0, , .		3
79	A spatially continuous mean field theory of electrocortical activity. Network: Computation in Neural Systems, 2002, 13, 67-113.	2.2	225
80	Estimation of missing streamflow data using principles of chaos theory. Journal of Hydrology, 2002, 255, 123-133.	2.3	152
81	Noise reduction in chaotic hydrologic time series: facts and doubts. Journal of Hydrology, 2002, 256, 147-165.	2.3	76
82	Low-frequency variability in idealised GCM experiments with circumpolar and localised storm tracks. Nonlinear Processes in Geophysics, 2002, 9, 37-49.	0.6	6
83	Nonlinear time series analysis of the fluctuations of the geomagnetic horizontal field. Annales Geophysicae, 2002, 20, 175-183.	0.6	7
84	Application of Nonlinear Time Series Analysis to the Prediction of Silicon Content of Pig Iron ISIJ International, 2002, 42, 316-318.	0.6	29
85	Evidence of state-dependent interhemispheric relationships in lizard EEG during the awake state. IEEE Transactions on Biomedical Engineering, 2002, 49, 548-555.	2.5	3
86	Visualising chaos in a model of brain electrical activity. Computers and Graphics, 2002, 26, 971-976.	1.4	9
88	Nonlinear data analysis of experimental (EEG) data and comparison with theoretical (ANN) data. Complexity, 2002, 7, 30-40.	0.9	7
89	Nonlinear dynamics of EEG in Alzheimer's disease. Drug Development Research, 2002, 56, 57-66.	1.4	53
90	Deterministic non-linear source processes of volcanic tremor signals accompanying the 1996 Vatnajökull eruption, central Iceland. Geophysical Journal International, 2002, 148, 663-675.	1.0	34
91	On reconstruction of strange attractors using their noise related directional properties. Signal Processing, 2002, 82, 1443-1453.	2.1	3
92	Applying the method of surrogate data to cyclic time series. Physica D: Nonlinear Phenomena, 2002, 164, 187-201.	1.3	71
93	Temporal fluctuations in the potential energy of proteins: $1/f\hat{I}_{\pm}$ noise and diffusion. Physica D: Nonlinear Phenomena, 2002, 165, 242-250.	1.3	35
94	Discriminating dynamical from additive noise in the Van der Pol oscillator. Physica D: Nonlinear Phenomena, 2002, 171, 8-18.	1.3	3

#	Article	IF	Citations
95	Detection of nonlinearity and chaoticity in time series using theÂtransportation distance function. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 413-423.	0.9	20
96	Possible determinism and the real world data. Physica A: Statistical Mechanics and Its Applications, 2002, 309, 297-303.	1.2	12
97	Chaos in discrete production systems?. Journal of Manufacturing Systems, 2002, 21, 236-246.	7.6	34
98	Financial multifractality and its subtleties: an example of DAX. Physica A: Statistical Mechanics and Its Applications, 2002, 316, 496-510.	1.2	49
99	Can People Predict Chaotic Sequences?. Nonlinear Dynamics, Psychology, and Life Sciences, 2002, 6, 37-54.	0.2	14
100	Title is missing!. Water, Air and Soil Pollution, 2002, 2, 513-524.	0.8	4
101	Title is missing!. Mathematical Geosciences, 2003, 35, 477-491.	0.9	2
102	Title is missing!. Russian Journal of Electrochemistry, 2003, 39, 141-153.	0.3	11
103	Phenomenology of tremor-like signals observed over hydrocarbon reservoirs. Journal of Volcanology and Geothermal Research, 2003, 128, 135-158.	0.8	98
104	Comparison of predictability of epileptic seizures by a linear and a nonlinear method. IEEE Transactions on Biomedical Engineering, 2003, 50, 628-633.	2.5	53
105	Protein Disorder Prediction. Structure, 2003, 11, 1453-1459.	1.6	1,119
106	Electromagnetic control of earthquake dynamics?. Computers and Geosciences, 2003, 29, 587-593.	2.0	18
107	Application of Bayesian trained RBF networks to nonlinear time-series modeling. Signal Processing, 2003, 83, 1393-1410.	2.1	36
108	Complexity of polypeptide dynamics: chaos, Brownian motion and elasticity in aqueous solution. Computational and Theoretical Chemistry, 2003, 621, 127-139.	1.5	8
109	Nonlinear dynamic characteristics of electroencephalography in a high-dose pilocarpine-induced status epilepticus model. Epilepsy Research, 2003, 54, 179-188.	0.8	18
110	Excited state charge-transfer dynamics study of poplar plastocyanin by ultrafast pump-probe spectroscopy and molecular dynamics simulation. Biophysical Chemistry, 2003, 106, 221-231.	1.5	22
111	Water level dynamics in the Amazon floodplain. Advances in Water Resources, 2003, 26, 725-732.	1.7	9
112	Signals of chaotic behavior in PMMA. Chaos, Solitons and Fractals, 2003, 17, 575-583.	2.5	8

#	Article	IF	CITATIONS
113	Risikoparameter für schwere Herzerkrankungen mittels Auswertung von Langzeit-EKGs durch Methoden der nichtlinearen Zeitreihenanalyse. Proceedings in Applied Mathematics and Mechanics, 2003, 2, 428-429.	0.2	0
114	Performance of nonlinear speech enhancement using phase space reconstruction. , 0, , .		12
115	Nonlinear Time-Series Analysis of Photoinduced Fluorescence Oscillation in a Water Dispersion of Colloidal Quantum Dots. Journal of Physical Chemistry B, 2003, 107, 2645-2650.	1.2	11
116	Tempo and Loudness Analysis of a Continuous 28-Hour Performance of Erik Satie?s Composition ?Vexations?. Journal of New Music Research, 2003, 32, 243-258.	0.6	2
117	Signal nonlinearity in fMRI: a comparison between BOLD and MION. IEEE Transactions on Medical Imaging, 2003, 22, 636-644.	5.4	49
118	Dynamics from a Time Series: Can We Extract the Phase Resetting Curve from a Time Series?. Biophysical Journal, 2003, 84, 2919-2928.	0.2	43
119	Non-linear asymmetric interdependencies in the electroencephalogram of healthy term neonates during sleep. Neuroscience Letters, 2003, 337, 101-105.	1.0	13
120	Desynchronisation of spontaneously recurrent experimental seizures proceeds with a single rhythm. Neuroscience, 2003, 121, 705-717.	1.1	18
121	Effective detection of coupling in short and noisy bivariate data. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 85-95.	5.5	39
122	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
123	A differential entropy based method for determining the optimal embedding parameters of a signal. , 0, , .		40
124	GlobPlot: exploring protein sequences for globularity and disorder. Nucleic Acids Research, 2003, 31, 3701-3708.	6.5	869
125	Electroconvection in small cylindrical cavities. , 0, , .		0
126	Indications of nonlinear structures in brain electrical activity. Physical Review E, 2003, 67, 046204.	0.8	95
127	Lytic versus stimulatory synapse in cytotoxic T lymphocyte/target cell interaction: Manifestation of a dual activation threshold. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14145-14150.	3.3	190
128	An Investigation of Coupled van der Pol Oscillators. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 162-169.	1.0	24
129	Upper Bounds on the Number of Significant Degrees of Freedom of Noise Influenced Oscillations of Moving Machines. Systems Analysis Modelling Simulation, 2003, 43, 815-828.	0.1	3
130	Evaluating Noise Sensitivity on the Time Series Determination of Lyapunov Exponents Applied to the Nonlinear Pendulum. Shock and Vibration, 2003, 10, 37-50.	0.3	12

#	Article	IF	CITATIONS
131	Detecting nonlinearity in time series driven by non-Gaussian noise: the case of river flows. Nonlinear Processes in Geophysics, 2004, 11, 463-470.	0.6	17
132	Two Distinct Types of Noisy Oscillators in Electroreceptors of Paddlefish. Journal of Neurophysiology, 2004, 92, 492-509.	0.9	50
133	Estimation of dynamical invariants without embedding by recurrence plots. Chaos, 2004, 14, 234-243.	1.0	146
134	Investigation of short-range cedar pollen forecasting. Physical Review E, 2004, 70, 066214.	0.8	4
135	Spatiotemporal Rheochaos in Nematic Hydrodynamics. Physical Review Letters, 2004, 92, 055501.	2.9	54
136	Analysis of the noise-induced bursting-spiking transition in a pancreaticl ² -cell model. Physical Review E, 2004, 69, 041910.	0.8	19
137	Nonlinear analysis of heart rate variability signal: physiological knowledge and diagnostic indications. , 2004, 2004, 5407-10.		3
138	Dynamic interacting bubble simulation (DIBS): An agent-based bubble model for reacting fluidized beds. Chaos, 2004, 14, 487-498.	1.0	11
139	Chaos in a differential fourth-order log-domain band-pass filter. , 0, , .		0
140	Statistical Analysis for Long Term Correlations in the Stress Time Series of Jerky Flow. Journal of the Mechanical Behavior of Materials, 2004, 15, 135-148.	0.7	4
141	An experimental investigation into the dynamics of a string. American Journal of Physics, 2004, 72, 1157-1169.	0.3	44
142	Prediction of the CATS benchmark exploiting time-reversal symmetry. , 0, , .		2
143	A SMOOTHING ALGORITHM FOR NONLINEAR TIME SERIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1037-1051.	0.7	8
144	FIRST LYAPUNOV VALUE AND BIFURCATION BEHAVIOR OF SPECIFIC CLASS OF THREE-DIMENSIONAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2811-2823.	0.7	9
145	The rheology of a dilute suspension of Brownian dipolar spheroids in a simple shear flow under the action of an external force. Physics of Fluids, 2004, 16, 433-444.	1.6	8
146	Bursts of extensive air showers: chaos vs. stochasticity. Astroparticle Physics, 2004, 20, 413-427.	1.9	1
147	Nonlinear prediction of near-surface temperature via univariate and multivariate time series embedding. Ecological Modelling, 2004, 173, 1-7.	1.2	38
148	Limitations of nonlinear chaotic dynamics in predicting sea clutter returns. IET Radar, Sonar &	2.1	18

#	Article	IF	CITATIONS
149	A Novel Method for Determining the Nature of Time Series. IEEE Transactions on Biomedical Engineering, 2004, 51, 728-736.	2.5	57
150	Assessment of Chaotic Parameters in Nonstationary Electrocardiograms by Use of Empirical Mode Decomposition. Annals of Biomedical Engineering, 2004, 32, 1348-1354.	1.3	45
151	Application of a Dynamic Vibration Absorber to a Piecewise Linear Beam System. Nonlinear Dynamics, 2004, 37, 227-243.	2.7	49
152	Genetic programming-based chaotic time series modeling. Journal of Zhejiang University: Science A, 2004, 5, 1432-1439.	1.3	19
153	Estimation and interpretation of $1/\hat{fl_{\pm}}$ noise in human cognition. Psychonomic Bulletin and Review, 2004, 11, 579-615.	1.4	285
154	Bifurcation diagram, noise reduction and period-four cycle on low frequency current oscillations in a semi-insulating GaAs sample. Physica D: Nonlinear Phenomena, 2004, 194, 166-174.	1.3	8
155	Optimal embedding parameters: a modelling paradigm. Physica D: Nonlinear Phenomena, 2004, 194, 283-296.	1.3	82
156	Nonlinear Time Series Analysis of Volcanic Tremor Events Recorded at Sangay Volcano, Ecuador. Pure and Applied Geophysics, 2004, 161, 145-163.	0.8	16
157	Dynamical System Analysis and Forecasting of Deformation Produced by an Earthquake Fault. Pure and Applied Geophysics, 2004, 161, 2023-2051.	0.8	13
158	Intercellular calcium signalling in cultured renal epithelia: a theoretical study of synchronization mode and pacemaker activity. European Biophysics Journal, 2004, 33, 657-670.	1.2	13
159	On the effective dimension and dynamic complexity of earthquake faults. Chaos, Solitons and Fractals, 2004, 19, 399-420.	2.5	9
160	From scale invariance to deterministic chaos in DNA sequences: towards a deterministic description of gene organization in the human genome. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 270-280.	1.2	11
161	Applications of recurrence quantified analysis to study the dynamics of chaotic chemical reaction. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 301-307.	1.2	18
162	Aperiodic flow-induced oscillations of collapsible tubes: a critical reappraisal. Medical Engineering and Physics, 2004, 26, 201-214.	0.8	4
163	Recurrence quantification analysis of wavelet pre-filtered index returns. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 257-262.	1.2	14
164	Bifurcations and chaotic behavior on the Lanford system. Chaos, Solitons and Fractals, 2004, 21, 803-808.	2.5	14
165	Rate of afferent stimulus dependent synchronization and coding in coupled neurons system. Chaos, Solitons and Fractals, 2004, 21, 1221-1229.	2.5	12
166	On-line runaway detection in isoperibolic batch and semibatch reactors using the divergence criterion. Computers and Chemical Engineering, 2004, 28, 527-544.	2.0	58

# 167	ARTICLE An analysis of turbulent states in the NH3+NO reaction on Pt{100}. Chemical Physics Letters, 2004, 389, 212-217.	IF 1.2	CITATIONS
168	New chaotic third-order log-domain oscillator with tanh nonlinearity. , 0, , .		1
169	Flow phenomena in floppy tubes. Contemporary Physics, 2004, 45, 45-60.	0.8	14
170	Mutual Information Functions of Differential Pressure Fluctuations in Spouted Beds. Industrial & Engineering Chemistry Research, 2004, 43, 5754-5762.	1.8	13
171	Nonlinear analysis of EMG signals - a chaotic approach. , 2004, 2006, 608-11.		14
172	Optimal embedding parameters: a modelling paradigm. Physica D: Nonlinear Phenomena, 2004, 194, 283-283.	1.3	8
173	Analysis of the fluctuations of the total electron content (TEC) measured at Goose Bay using tools of nonlinear methods. Journal of Geophysical Research, 2004, 109, .	3.3	27
174	Estimating the predictability of an oceanic time series using linear and nonlinear methods. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	8
175	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
176	Nonlinear analysis of human atrial flutter and fibrillation using surface electrocardiogram. , 0, , .		4
177	A subharmonic dynamical bifurcation duringin vitroepileptiform activity. Chaos, 2004, 14, 333-342.	1.0	8
178	Scaling of prediction error does not confirm chaotic dynamics underlying irregular firing using interspike intervals from midbrain dopamine neurons. Neuroscience, 2004, 129, 491-502.	1.1	15
179	Interdependency between heart rate variability and sleep EEG: linear/non-linear?. Clinical Neurophysiology, 2004, 115, 2031-2040.	0.7	56
180	Piecewise-Linear Approximation of Nonlinear Dynamical Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 830-842.	0.1	72
181	EEG dynamics in patients with Alzheimer's disease. Clinical Neurophysiology, 2004, 115, 1490-1505.	0.7	1,102
182	Evidence for Lowâ€dimensional Chaos in Semiregular Variable Stars. Astrophysical Journal, 2004, 613, 532-547.	1.6	35
183	A comparison of nonlinear noise reduction and independent component analysis using a realistic dynamical model of the electrocardiogram. , 2004, , .		5
184	NONLINEAR DYNAMICS OF A CONTROLLED REVERSE FLOW REACTOR. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 501-506.	0.4	0

#	Article	IF	CITATIONS
185	An alternative bifurcation analysis of the Rose–Hindmarsh model. Chaos, Solitons and Fractals, 2005, 23, 1643-1649.	2.5	10
186	Identification of Nonlinear Oscillator Models for Speech Analysis and Synthesis. Lecture Notes in Computer Science, 2005, , 74-113.	1.0	5
187	Nonlinear Time Series Analysis of the DB White Dwarf PG 1351+489 Light Intensity Curves. Astrophysical Journal, 2005, 635, 527-539.	1.6	7
188	Whole Cell Stochastic Model Reproduces the Irregularities Found in the Membrane Potential of Bursting Neurons. Journal of Neurophysiology, 2005, 94, 1169-1179.	0.9	27
189	PWL approximation of nonlinear dynamical systems, part II: identification issues. Journal of Physics: Conference Series, 2005, 22, 30-42.	0.3	3
190	The Rössler system as a model for chronotherapy. Journal of Physics: Conference Series, 2005, 23, 58-61.	0.3	8
191	On the dynamic properties of axially moving systems. Journal of Sound and Vibration, 2005, 281, 593-609.	2.1	17
192	Theoretical time series analysis from electric field oscillations generated by rate equations of generation–recombination processes in n-type semiconductors. Physica D: Nonlinear Phenomena, 2005, 208, 123-130.	1.3	1
193	Hand tracking in a natural conversational environment by the interacting multiple model and probabilistic data association (IMM-PDA) algorithm. Pattern Recognition, 2005, 38, 2143-2158.	5.1	19
194	A method for the correlation dimension estimation for on-line condition monitoring of large rotating machinery. Mechanical Systems and Signal Processing, 2005, 19, 939-954.	4.4	42
195	Posture as a chaotic system and an application to the Parkinson's disease. Chaos, Solitons and Fractals, 2005, 24, 1343-1346.	2.5	27
196	The light curve of the semiregular variable L2 Puppis II. Evidence for solar-like excitation of the oscillations. Monthly Notices of the Royal Astronomical Society, 2005, 361, 1375-1381.	1.6	33
197	Modern progress in solar paleoastrophysics and long-range solar-activity forecasts. Astronomy Reports, 2005, 49, 495-499.	0.2	8
198	Experimental demonstration of chaos in a microbial food web. Nature, 2005, 435, 1226-1229.	13.7	208
199	Car-Parrinello Molecular Dynamics Study of a Blue-Shifted Intermolecular Weak-Hydrogen-Bond System. ChemPhysChem, 2005, 6, 1719-1724.	1.0	14
200	Isolating the root cause of propagated oscillations in process plants. International Journal of Adaptive Control and Signal Processing, 2005, 19, 247-265.	2.3	19
201	Time-related interdependence between low-frequency cortical electrical activity and respiratory activity in lizard,Gallotia galloti. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 217-226.	1.3	4
202	Lyapunov Exponents of Laser Doppler Flowmetry Signals in Healthy and Type 1 Diabetic Subjects. Annals of Biomedical Engineering, 2005, 33, 1574-1581.	1.3	2

#	Article	IF	Citations
203	Strange attractors in plagioclase oscillatory zoning: petrological implications. Contributions To Mineralogy and Petrology, 2005, 149, 482-497.	1.2	53
204	Coupled chaotic oscillators and their relation to a central pattern generator for artificial quadrupeds. Pramana - Journal of Physics, 2005, 64, 525-534.	0.9	4
205	A Resampling Test for the Total Independence of Stationary Time Series: Application to the Performance Evaluation of ICA Algorithms. Neural Processing Letters, 2005, 22, 311-324.	2.0	6
206	One-step ahead prediction of <i>fo</i> F2 using time series forecasting techniques. Annales Geophysicae, 2005, 23, 3035-3042.	0.6	9
207	Chaos and order in biomedical rhythms. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2005, 27, 157.	0.8	27
208	Detecting chaos from a time series. European Journal of Physics, 2005, 26, 205-215.	0.3	183
209	Chaos and the Dancing Stars. Journal of Entrepreneurship, 2005, 14, 1-19.	1.3	4
210	Remarks on evaluation of correlation dimension for 5 French stock data. , 2005, , .		1
211	Enhancing higher harmonics of a tapping cantilever by excitation at a submultiple of its resonance frequency. Physical Review B, 2005, 71, .	1.1	27
212	Routes to spatiotemporal chaos in the rheology of nematogenic fluids. Physical Review E, 2005, 71, 021707.	0.8	38
213	Similarity of fluctuations in correlated systems: The case of seismicity. Physical Review E, 2005, 72, 041103.	0.8	175
214	Discriminating additive from dynamical noise for chaotic time series. Physical Review E, 2005, 72, 036219.	0.8	10
215	Cooperative dynamics in a network of stochastic elements with delayed feedback. Physical Review E, 2005, 71, 036150.	0.8	26
216	Breathers and thermal relaxation as a temporal process: A possible way to detect breathers in experimental situations. Chaos, 2005, 15, 023501.	1.0	1
217	Exploring the neural state space learning from one-dimension chaotic time series. , 0, , .		1
218	Optimal phase-space projection for noise reduction. Physical Review E, 2005, 72, 046710.	0.8	7
219	Postprocessing methods for finding the embedding dimension of chaotic time series. Physical Review E, 2005, 72, 027204.	0.8	4
220	Complex Oscillations and Chaos in Electrostatic Microelectromechanical Systems under Superharmonic Excitations. Physical Review Letters, 2005, 94, 204101.	2.9	53

#	Article	IF	CITATIONS
221	LOCAL ANALYSIS OF DISSIPATIVE DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1515-1547.	0.7	11
222	EXCLUSION OF FALSE PERIODIC ORBITS DETECTED FROM CHAOTIC TIME SERIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 659-665.	0.7	1
223	RECURRENCE PLOT AND RECURRENCE QUANTIFICATION ANALYSIS TECHNIQUES FOR DETECTING A CRITICAL REGIME International Journal of Modern Physics C, 2005, 16, 671-706.	0.8	79
224	Nonlinear time series analysis of the human electrocardiogram. European Journal of Physics, 2005, 26, 757-768.	0.3	94
225	Chaos theory analysis of the newborn EEG- Is it worth the wait?. , 0, , .		15
226	Surrogate test to distinguish between chaotic and pseudoperiodic time series. Physical Review E, 2005, 71, 026230.	0.8	29
227	Nonlinear signal classification in the framework of high-dimensional shape analysis in reconstructed state space. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 512-516.	2.3	10
228	Nonlinear multivariate analysis of neurophysiological signals. Progress in Neurobiology, 2005, 77, 1-37.	2.8	983
229	A hierarchy of nonlinear multiparametric models of cloud dynamics and microphysics. Atmospheric Research, 2005, 78, 93-102.	1.8	1
230	Frequency Encoding of T-Cell Receptor Engagement Dynamics in Calcium Time Series. Biophysical Journal, 2005, 88, 1-14.	0.2	80
231	Nonlinear Dynamics in Uterine Contractions Analysis. , 2005, , 215-222.		9
232	A model of heat transfer dynamics of coupled multiphaseâ€flow and neutronâ€radiation. International Journal of Numerical Methods for Heat and Fluid Flow, 2005, 15, 765-807.	1.6	6
233	Error criteria for cross validation in the context of chaotic time series prediction. Chaos, 2006, 16, 013106.	1.0	7
234	Increase in the embedding dimension in the heart rate variability associated with left ventricular abnormalities. Applied Physics Letters, 2006, 89, 144111.	1.5	6
236	An exploratory study of chaos in human-Machine system dynamics. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2006, 36, 319-326.	3.4	14
237	Weighted singular value distribution of RRI series applied to the characterization of heat intolerance in humans. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2006, 36, 621-630.	3.4	3
238	Differences in magnetic storm and quiet ionospheric deterministic chaotic behavior: GPS total electron content analyses. Journal of Geophysical Research, 2006, 111, .	3.3	20
239	Differences in daytime and nighttime ionospheric deterministic chaotic behavior: GPS total electron content analyses. Journal of Geophysical Research, 2006, 111, .	3.3	13

		EPORT	
#	Article	IF	CITATIONS
240	U -sequence in electrostatic microelectromechanical systems (MEMS). Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 3435-3464.	1.0	9
241	Complex Nonlinear Oscillations in Electrostatically Actuated Microstructures. Journal of Microelectromechanical Systems, 2006, 15, 355-369.	1.7	88
242	Rheological Chaos in Wormlike Micelles and Nematic Hydrodynamics. , 2006, , 193-221.		2
243	Analysis of Chaotic Semiconductor Laser Diodes. , 2006, , .		0
244	Fear induced complexity loss in the electrocardiogram of flight phobics: A multiscale entropy analysis. Biological Psychology, 2006, 73, 272-279.	1.1	40
245	Testing for nonlinearity of streamflow processes at different timescales. Journal of Hydrology, 2006, 322, 247-268.	2.3	79
246	On the singular values decoupling in the Singular Spectrum Analysis of volcanic tremor at Stromboli. Natural Hazards and Earth System Sciences, 2006, 6, 903-909.	1.5	17
247	Nonlinear correlations of daily temperature records over land. Nonlinear Processes in Geophysics, 2006, 13, 571-576.	0.6	48
248	High-Sensitivity Mass Sensing Based on Enhanced Nonlinear Dynamics and Attractor Morphing Modes. , 2006, , 479.		2
249	Predictability of coupled processes. , 0, , 251-274.		3
250	Uncertainties in Assessing Global Warming during the 20th Century: Disagreement between Key Data Sources. Energy and Environment, 2006, 17, 685-706.	2.7	6
251	Parameterization of Submesoscale Eddy-Rich Flows Using a Stochastic Velocity Model. Journal of Atmospheric and Oceanic Technology, 2006, 23, 1745-1758.	0.5	6
252	Structural health monitoring by Lyapunov exponents of non-linear time series. Structural Control and Health Monitoring, 2006, 13, 132-146.	1.9	25
253	NONLINEAR DYNAMICS IN MANATEE VOCALIZATIONS. Marine Mammal Science, 2006, 22, 548-555.	0.9	36
254	Does composite index of NYSE represents chaos in the long time scale?. Applied Mathematics and Computation, 2006, 174, 483-489.	1.4	9
255	Complex dynamics and spatio-temporal patterns in a network of three distributed chemical reactors with periodical feed switching. Chaos, Solitons and Fractals, 2006, 28, 682-706.	2.5	26
256	A non-subjective approach to the GP algorithm for analysing noisy time series. Physica D: Nonlinear Phenomena, 2006, 215, 137-145.	1.3	59
257	A distributed computing system for multivariate time series analyses of multichannel neurophysiological data. Journal of Neuroscience Methods, 2006, 152, 190-201.	1.3	18

#	Article	IF	CITATIONS
258	Improvement of Nakamura technique by singular spectrum analysis. Soil Dynamics and Earthquake Engineering, 2006, 26, 55-63.	1.9	27
259	Modified Bayesian approach for the reconstruction of dynamical systems from time series. Physical Review E, 2006, 73, 036211.	0.8	18
260	Flicker noise spectroscopy and its application: Information hidden in chaotic signals (review). Russian Journal of Electrochemistry, 2006, 42, 424-466.	0.3	24
261	On the Chaotic Behavior of a Third-Order Log-Domain Filter. Nonlinear Dynamics, 2006, 44, 45-54.	2.7	1
262	Testing for nonlinearity in European climatic time series by the method of surrogate data. Theoretical and Applied Climatology, 2006, 83, 21-33.	1.3	15
263	An oscillator-plus-noise model for speech synthesis. Speech Communication, 2006, 48, 775-801.	1.6	7
264	Considerations on the application of the chaos paradigm to describe the postural sway. Chaos, Solitons and Fractals, 2006, 27, 1339-1346.	2.5	20
265	Layer IV of the primary somatosensory cortex has the highest complexity under anesthesia and cortical complexity is modulated by specific thalamic inputs. Brain Research, 2006, 1082, 102-114.	1.1	3
266	Assessment of the Autonomic Control of Heart Rate Variability in Healthy and Spinal-Cord Injured Subjects: Contribution of Different Complexity-Based Estimators. IEEE Transactions on Biomedical Engineering, 2006, 53, 43-52.	2.5	52
267	A user-friendly, dynamic web environment for remote data browsing and analysis of multiparametric geophysical data within the MULTIMO project. Journal of Volcanology and Geothermal Research, 2006, 153, 80-96.	0.8	5
268	Automatic Speech Segmentation Combining an HMM-Based Approach and Recurrence Trend Analysis. , 0,		4
269	Detecting generalized synchronization between chaotic signals: a kernel-based approach. Journal of Physics A, 2006, 39, 10723-10742.	1.6	15
270	State-space analysis of joint angle kinematics in normal treadmill walking. Biomedizinische Technik, 2006, 51, 294-298.	0.9	8
271	Theoretical models in chronotherapy: II. Periodic perturbations in a chaotic chemical reaction. Biological Rhythm Research, 2006, 37, 131-136.	0.4	4
272	Empirical mode decomposition and synchrogram approach to cardiorespiratory synchronization. Physical Review E, 2006, 73, 051917.	0.8	63
273	Improving the global fitting method on nonlinear time series analysis. Physical Review E, 2006, 74, 026702.	0.8	2
274	Simulation of transient current through PMMA thin films based on a random walk model. Physical Review B, 2006, 73, .	1.1	6
275	Topological characterization of mobile robot behavior. , 2006, , .		3

#	Article	IF	CITATIONS
276	Chaos in computer performance. Chaos, 2006, 16, 013110.	1.0	9
277	Phase Space Signal Filtering. , 2006, , .		2
278	Chaotic phenomena of charged particles in crystal lattices. Chaos, 2006, 16, 023114.	1.0	1
279	A minimal model for stabilization of biomolecules by hydrocarbon cross-linking. Journal of Chemical Physics, 2006, 124, 164907.	1.2	20
280	DETERMINISTIC CHAOS IN SOUNDS OF ASIAN CICADAS. Journal of Biological Systems, 2006, 14, 555-566.	0.5	17
281	INVESTIGATION OF CORRELATION DIMENSION ESTIMATION IN HEARTBEAT TIME SERIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2481-2498.	0.7	Ο
282	COMPUTATIONAL INTELLIGENCE METHODS FOR FINANCIAL TIME SERIES MODELING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2053-2062.	0.7	13
283	TESTING CHAOTIC DYNAMICS IN SYSTEMS WITH TWO POSITIVE LYAPUNOV EXPONENTS: A BOOTSTRAP SOLUTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 169-182.	0.7	4
284	NONLINEAR TIME SERIES ANALYSIS IN EPILEPSY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3305-3323.	0.7	9
285	Low Dimensional Chaos from the Group Sunspot Numbers. Research in Astronomy and Astrophysics, 2007, 7, 435-440.	1.1	15
286	Dimensional Characterization of Anesthesia Dynamic in Reconstructed Embedding Space. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6484-7.	0.5	1
287	Dynamical Basis of Irregular Spiking in NMDA-Driven Prefrontal Cortex Neurons. Cerebral Cortex, 2007, 17, 894-908.	1.6	60
288	How Complex Is the Dynamics of Peptide Folding?. Physical Review Letters, 2007, 98, 028102.	2.9	85
289	REVIEW OF FLICKER NOISE SPECTROSCOPY IN ELECTROCHEMISTRY. Fluctuation and Noise Letters, 2007, 07, R15-R47.	1.0	67
290	Cutting process dynamics by nonlinear time series and wavelet analysis. Chaos, 2007, 17, 023133.	1.0	17
291	Prediction of Self-Similar Traffic and its Application in Network Bandwidth Allocation. , 2007, , .		4
292	Low-Dimensional Chaos of High-Latitude Solar Activity. Publication of the Astronomical Society of Japan, 2007, 59, 983-987.	1.0	10
293	Experimental Enhanced Nonlinear Dynamics and Identification of Attractor Morphing Modes for Damage Detection. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 763-770.	1.0	25

	Сітатіо	CITATION REPORT	
#	Article	IF	CITATIONS
294	Nonlinear phenomena in the vocalizations of North Atlantic right whales (Eubalaena glacialis) and killer whales (Orcinus orca). Journal of the Acoustical Society of America, 2007, 122, 1365-1373.	0.5	56
295	Analysis of Spontaneous Movements in Newborn Infants using a Triaxial Accelerometer (Pilot Study). Rigakuryoho Kagaku, 2007, 22, 99-107.	0.0	0
296	Analyzing chaos in the pressure generated by laser absorption by microparticles. , 2007, , .		0
297	A NONLINEAR STUDY OF TIME SERIES ASSOCIATED TO CT LIVER IMAGES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 353-358.	0.4	0
298	DATA-BASED VALIDATION OF NONLINEAR MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 788-793.	0.4	0
299	Chaos tool implementation for non-singer and singer voice comparison (<i>preliminary study</i>). Journal of Physics: Conference Series, 2007, 90, 012082.	0.3	2
300	Scale-free dynamics of the synchronization between sleep EEG power bands and the high frequency component of heart rate variability in normal men and patients with sleep apnea–hypopnea syndrome. Clinical Neurophysiology, 2007, 118, 2752-2764.	0.7	17
301	Software-Reliability Modeling: The Case for Deterministic Behavior. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 106-119.	3.4	21
302	Microscopic-Macroscopic Simulations of Rigid-Rod Polymer Hydrodynamics: Heterogeneity and Rheochaos. Multiscale Modeling and Simulation, 2007, 6, 858-878.	0.6	9
303	Distinguishing quasiperiodic dynamics from chaos in short-time series. Physical Review E, 2007, 76, 016210.	0.8	41
304	Detecting determinism in short time series using a quantified averaged false nearest neighbors approach. Physical Review E, 2007, 76, 036204.	0.8	19
305	A Method for Detecting Nonlinear Determinism in Normal and Epileptic Brain EEG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2008-11.	0.5	1
306	From nonlinearity to causality: statistical testing and inference of physical mechanisms underlying complex dynamics. Contemporary Physics, 2007, 48, 307-348.	0.8	115
307	The emergence of chaos in a laser irradiated spherical absorber. Chaos, 2007, 17, 013101.	1.0	1
308	A Dynamical Systems Analysis of Spontaneous Movements in Newborn Infants. Journal of Motor Behavior, 2007, 39, 203-214.	0.5	45
309	On the Dimensional Estimate of Rounding-Errors of a typical Computing Process. , 2007, , .		0
310	Piecewise-Linear Identification of Nonlinear Dynamical Systems in View of Their Circuit Implementations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1542-1554.	0.1	12
311	Prediction of Respiratory Measurements based on Cross Embedding Techniques. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 47-50.	0.5	0

#	Article	IF	CITATIONS
312	Structure of Rhodamine 6Gâ^'DNA Complexes from Molecular Dynamics Simulations. Biomacromolecules, 2007, 8, 3429-3438.	2.6	10
313	Long-term observations of Schumann resonances at Modra Observatory. Radio Science, 2007, 42, n/a-n/a.	0.8	19
314	Bifurcation analysis of bubble dynamics in fluidized beds. Chaos, 2007, 17, 013120.	1.0	8
315	Long-range correlations of extrapolar total ozone are determined by the global atmospheric circulation. Nonlinear Processes in Geophysics, 2007, 14, 435-442.	0.6	23
316	Analysis of a Japan government intervention on the domestic agriculture market. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 330-335.	1.2	21
317	Spatio-temporal dynamics in simple asymmetric hypercycles under weak parasitic coupling. Physica D: Nonlinear Phenomena, 2007, 231, 116-129.	1.3	24
318	Characterization of complex behaviors of TCP/RED computer networks based on nonlinear time series analysis methods. Physica D: Nonlinear Phenomena, 2007, 233, 138-150.	1.3	9
319	Theoretical and experimental time series analysis of an inductorless Chua's circuit. Physica D: Nonlinear Phenomena, 2007, 233, 66-72.	1.3	15
320	Empirical evidences of persistence and dynamical chaos in solar–terrestrial phenomena. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 2391-2404.	0.6	17
321	Hierarchical organization of a reference system in newborn spontaneous movements. , 2007, 30, 568-586.		8
322	Sensitively recorded breathing signals of rats and their nonlinear dynamics. Journal of Proteomics, 2007, 70, 573-577.	2.4	2
323	Symmetric-embedding prediction of the CATS benchmark. Neurocomputing, 2007, 70, 2363-2370.	3.5	0
324	A novel approach for estimation of optimal embedding parameters of nonlinear time series by structural learning of neural network. Neurocomputing, 2007, 70, 1360-1371.	3.5	22
325	Analysis of complex oscillatory dynamics of a pH oscillator. Russian Journal of Physical Chemistry A, 2007, 81, 1407-1412.	0.1	4
326	A Comparison of Greenland Ice and Baltic Sea Sediment Record—A Contribution to Climate Change Analysis. Mathematical Geosciences, 2007, 38, 721-733.	0.9	2
327	Using invariants to determine change detection in dynamical system with chaos. Central European Journal of Operations Research, 2007, 15, 223-233.	1.1	1
328	Singing of Neoconocephalus robustus as an example of deterministic chaos in insects. Journal of Biosciences, 2007, 32, 797-804.	0.5	14
329	Nonlinear analysis of posturographic data. Medical and Biological Engineering and Computing, 2007, 45, 679-688.	1.6	60

#	Article	IF	CITATIONS
330	Nonlinear time series analysis of food intake in the dab and the rainbow trout. Journal of Theoretical Biology, 2007, 245, 749-762.	0.8	1
331	Time series analysis and long range correlations of Nordic spot electricity market data. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6567-6574.	1.2	23
332	Using invariants to change detection in dynamical system with chaos. Physica D: Nonlinear Phenomena, 2008, 237, 6-13.	1.3	16
333	Nonlinear analysis of EEG signals: Surrogate data analysis. Irbm, 2008, 29, 239-244.	3.7	16
334	Nonlinear Dynamical Analysis of the Interdependence Between Central and Autonomic Nervous Systems in Neonates During Sleep. Journal of Biological Physics, 2008, 34, 405-412.	0.7	5
335	Epilepsy and Nonlinear Dynamics. Journal of Biological Physics, 2008, 34, 253-266.	0.7	97
336	Adaptive metrics in the nearest neighbours method. Physica D: Nonlinear Phenomena, 2008, 237, 283-291.	1.3	21
337	Flow transitions resembling bifurcations of the logistic map in simulations of the baroclinic rotating annulus. Physica D: Nonlinear Phenomena, 2008, 237, 2251-2262.	1.3	16
338	Planar and spherical hierarchical, multi-resolution cellular automata. Computers, Environment and Urban Systems, 2008, 32, 204-213.	3.3	21
339	Comparison of neuro-fuzzy systems for classification of transcranial Doppler signals with their chaotic invariant measures. Expert Systems With Applications, 2008, 34, 1044-1055.	4.4	31
340	Patterns in the combustion process in a spark ignition engine. Chaos, Solitons and Fractals, 2008, 35, 578-585.	2.5	41
341	SSA, PCA, TDPSC, ACFA: Useful combination of methods for analysis of short and nonstationary time series. Chaos, Solitons and Fractals, 2008, 37, 187-202.	2.5	27
342	Coexisting stochastic and coherence resonance in a mean-field dynamo model for Earth's magnetic field reversals. European Physical Journal B, 2008, 65, 547-554.	0.6	6
343	Recurrence analysis of quasiperiodicity in experimental fluid data. European Physical Journal: Special Topics, 2008, 164, 23-33.	1.2	6
344	Global Patterns of Nonlinearity in Real and GCM-Simulated Atmospheric Data. Lecture Notes in Earth Sciences, 2008, , 17-34.	0.5	2
345	Markov chain Monte Carlo method in Bayesian reconstruction of dynamical systems from noisy chaotic time series. Physical Review E, 2008, 77, 066214.	0.8	15
346	Chaotic-Type Features for Speech Steganalysis. IEEE Transactions on Information Forensics and Security, 2008, 3, 651-661.	4.5	41
347	Characterization of chaos in air pollutants: A Volterra–Wiener–Korenberg series and numerical titration approach. Atmospheric Environment, 2008, 42, 1537-1551.	1.9	16

#	Article	IF	CITATIONS
348	Autonomic mediation in the interdependences between cardiocortical activity time variations and between cardiorespiratory activity time variations in the lizard, Gallotia galloti. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 149, 11-19.	0.8	2
349	Calculation of EEG correlation dimension: Large massifs of experimental data. Computer Methods and Programs in Biomedicine, 2008, 92, 154-160.	2.6	15
350	Characterization of regime shifts in environmental time series with recurrence quantification analysis. Ecological Modelling, 2008, 210, 58-70.	1.2	25
351	Mixed-mode oscillations in a homogeneous <i>p</i> H-oscillatory chemical reaction system. Chaos, 2008, 18, 015102.	1.0	28
352	Dynamics of an acoustically levitated particle using the lattice Boltzmann method. Journal of Fluid Mechanics, 2008, 596, 191-200.	1.4	26
353	Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP). Journal of Geophysical Research, 2008, 113, .	3.3	15
354	Spatiotemporal nonlinearity in resting-state fMRI of the human brain. NeuroImage, 2008, 40, 1672-1685.	2.1	41
355	Investigation of Nonlinearity in Hyperspectral Imagery Using Surrogate Data Methods. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2840-2847.	2.7	42
356	Chaotic Frequency Scaling in a Coupled Oscillator Model for Free Rhythmic Actions. Neural Computation, 2008, 20, 205-226.	1.3	9
357	A new approach for nonlinear time series characterization, "DivA". , 2008, , .		1
358	Nonlinear Analysis of Individual Vehicle Behavior in Car Following. , 2008, , .		0
359	Intermittent peel front dynamics and the crackling noise in an adhesive tape. Physical Review E, 2008, 78, 066119.	0.8	13
360	Integrability of magnetic fields created by current distributions. Nonlinearity, 2008, 21, 51-69.	0.6	9
361	Estimating the strength of genuine and random correlations in non-stationary multivariate time series. Europhysics Letters, 2008, 84, 10009.	0.7	26
362	TRANSITIONS FROM STABLE EQUILIBRIA TO CHAOS, AND BACK, IN AN EXPERIMENTAL FOOD WEB. Ecology, 2008, 89, 3222-3226.	1.5	22
363	Nonlinear Dynamics of Electrostatically Actuated MEMS. Computational and Experimental Methods in Structures, 2008, , 235-286.	0.2	0
364	Arm Movement Prediction Using Neural Networks. , 2008, , .		0
365	From synchronization to network theory: A strategy for MEG data analysis. , 2008, , .		3

		CITATION R	EPORT	
#	Article		IF	Citations
366	The Application of Cross Recurrence Plot in Deaf Linguistic Training System. , 2008, , .			3
367	EVOLUTIONARY METHODS FOR THE APPROXIMATION OF THE STABILITY DOMAIN AND F OPTIMIZATION OF CONSERVATIVE MAPS. International Journal of Bifurcation and Chaos Sciences and Engineering, 2008, 18, 2249-2264.	REQUENCY in Applied	0.7	12
368	Nonlinearity and fractality in the variability of cardiac period in the lizard, <i>Gallotia gallo effects of autonomic blockade. American Journal of Physiology - Regulatory Integrative ar Comparative Physiology, 2008, 295, R1282-R1289.</i>	ti: Id	0.9	0
369	Time Series Analysis of Spontaneous Upper-Extremity Movements of Premature Infants V Injuries. Physical Therapy, 2008, 88, 1022-1033.	Vith Brain	1.1	47
370	On the characterization of the deterministic/stochastic and linear/nonlinear nature of tim Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 200 1141-1160.	e series.)8, 464,	1.0	52
371	Modelling of polysomnographic respiratory measurements for artefact detection and sigr restoration. Physiological Measurement, 2008, 29, 999-1021.	nal	1.2	3
372	Irregular Firing of Isolated Cortical Interneurons in Vitro Driven by Intrinsic Stochastic Me Neural Computation, 2008, 20, 44-64.	chanisms.	1.3	15
373	Nonlinear analysis of the ECG during atrial fibrillation in patients for low energy internal cardioversion. , 2008, 2008, 1619-22.			2
374	Towards capturing fine phonetic location in speech using recurrence dynamic feature. , 2	008, , .		0
375	Delay Time-Based Epileptic EEG Detection Using Artificial Neural Network. , 2008, , .			2
376	Chaotic Dynamics of Driven Flux Drops: A Superconducting "Dripping Faucet― Physi 2008, 100, 077001.	cal Review Letters,	2.9	5
377	Multivariate chaotic models vs neural networks in predicting storm surge dynamics. , 200	98,,.		5
378	Complex dynamics in the Oregonator model with linear delayed feedback. Chaos, 2008, 1	18, 023126.	1.0	12
379	Comment on "Acoustic chaos in a duct with two separate sound sources―[J. Acoust 120–126 (2001)]. Journal of the Acoustical Society of America, 2008, 124, 2702-2705.	. Soc. Am. 110,	0.5	0
381	Combining Directional Light Output and Ultralow Loss in Deformed Microdisks. Physical I Letters, 2008, 100, 033901.	?eview	2.9	293
382	Hidden order in crackling noise during peeling of an adhesive tape. Physical Review E, 200	08, 77, 045202.	0.8	12
383	Multistability of synthetic genetic networks with repressive cell-to-cell communication. Pl Review E, 2008, 78, 031904.	ıysical	0.8	84
384	The Effects of Dynamical Noises on the Identification of Chaotic Systems: With Applicatic Streamflow Processes. , 2008, , .	on to		2

#	Article	IF	CITATIONS
385	Macro-instability: a chaotic flow component in stirred tanks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 409-418.	1.6	9
386	Dynamics and Forecasting of Two Chaotic Stars. Astrophysical Journal, 2008, 685, L145-L148.	1.6	7
387	Suitability of dysphonia measurements for telemonitoring of Parkinson's disease. Nature Precedings, 0, , .	0.1	77
388	Comparison of chaotic aspects of magnetosphere under various physical conditions using AE index time series. Annales Geophysicae, 2008, 26, 941-953.	0.6	16
389	Synchronization in a coupled two-layer quasigeostrophic model of baroclinic instability – Part 1: Master-slave configuration. Nonlinear Processes in Geophysics, 2009, 16, 543-556.	0.6	1
390	Dynamical estimates of chaotic systems from Poincaré recurrences. Chaos, 2009, 19, 043115.	1.0	8
391	KingsburyetÂal.Reply:. Physical Review Letters, 2009, 102, .	2.9	5
392	Chaotic model with data assimilation using NARX network. , 2009, , .		5
393	Microfluidic circuits and systems. IEEE Circuits and Systems Magazine, 2009, 9, 6-19.	2.6	20
394	A cooperation index based on correlation matrix spectrum and r $ ilde{A}_i$ enyi entropy. , 2009, , .		5
395	Nonlinear time series analysis of knee and ankle kinematics during side by side treadmill walking. Chaos, 2009, 19, 026104.	1.0	31
396	ANALYSIS OF HIGH-RESOLUTION MICROELECTRODE EEG RECORDINGS IN AN ANIMAL MODEL OF SPONTANEOUS LIMBIC SEIZURES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 605-617.	0.7	6
397	FRACTIONAL-ORDER CHAOS: A NOVEL FOUR-WING ATTRACTOR IN COUPLED LORENZ SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3329-3338.	0.7	15
398	Identification of linear and nonlinear propagation regimes in an optical fiber link using chaos analysis. Optical Engineering, 2009, 48, 105002.	0.5	6
399	Walking in Simulated Martian Gravity: Influence of the Portable Life Support System's Design on Dynamic Stability. Journal of Biomechanical Engineering, 2009, 131, 091005.	0.6	8
400	Non-linear analysis of body responses to functional electrical stimulation on hemiplegic subjects. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 653-662.	1.0	7
401	Estimating intrinsic dimensionality of fMRI dataset incorporating an AR(1) noise model with cubic spline interpolation. Neurocomputing, 2009, 72, 1042-1055.	3.5	10
402	Characterization of Healthy and Pathological Voice Through Measures Based on Nonlinear Dynamics. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1186-1195.	3.8	115

#	Article	IF	CITATIONS
403	Suitability of Dysphonia Measurements for Telemonitoring of Parkinson's Disease. IEEE Transactions on Biomedical Engineering, 2009, 56, 1015-1022.	2.5	662
404	Nonlinear features of surface EEG showing systematic brain signal adaptations with muscle force and fatigue. Brain Research, 2009, 1272, 89-98.	1.1	20
405	Chaotic characteristics of pressure fluctuations in a gas spouted bed. Canadian Journal of Chemical Engineering, 2009, 87, 252-263.	0.9	10
406	A synthesis and a practical approach to complex systems. Complexity, 2009, 15, 36-60.	0.9	16
407	Nonlinearity and complexity in gravel bed dynamics. Stochastic Environmental Research and Risk Assessment, 2009, 23, 967-975.	1.9	18
408	Characterization of Iran electricity market indices with pay-as-bid payment mechanism. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1577-1592.	1.2	18
409	Chaotic motion at the emergence of the time averaged energy decay. Physica D: Nonlinear Phenomena, 2009, 238, 1688-1694.	1.3	14
410	Long-time fidelity and chaos for a kicked nonlinear oscillator system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1334-1340.	0.9	28
411	Generating spin turbulence through nonlinear excitation in liquid-state NMR. Journal of Magnetic Resonance, 2009, 196, 115-118.	1.2	10
412	Market data analysis and short-term price forecasting in the Iran electricity market with pay-as-bid payment mechanism. Electric Power Systems Research, 2009, 79, 888-898.	2.1	22
413	Nonlinear dynamics and chaos methods in neurodynamics and complex data analysis. Nonlinear Dynamics, 2009, 56, 23-44.	2.7	48
414	Analysis of Sunspot Activity Cycles. Solar Physics, 2009, 255, 301-323.	1.0	13
415	Exploration of the chaotic phenomena induced by fast plastic deformation of metals. International Journal of Advanced Manufacturing Technology, 2009, 40, 270-276.	1.5	8
416	Amoeba-based Chaotic Neurocomputing: Combinatorial Optimization by Coupled Biological Oscillators. New Generation Computing, 2009, 27, 129-157.	2.5	36
417	Analysis of startup oscillations in natural circulation boiling systems. Nuclear Engineering and Design, 2009, 239, 2391-2398.	0.8	15
418	Thread-based implementations of the false nearest neighbors method. Parallel Computing, 2009, 35, 523-534.	1.3	4
419	Time-series analysis of TCP/RED computer networks, an empirical study. Chaos, Solitons and Fractals, 2009, 39, 784-800.	2.5	9
420	Experimental identification of chaotic fibers. Chaos, Solitons and Fractals, 2009, 39, 9-16.	2.5	1

#	Article	IF	CITATIONS
421	Identification of chaos in a cutting process by the 0–1 test. Chaos, Solitons and Fractals, 2009, 40, 2095-2101.	2.5	73
422	Variability analysis of lower extremity joint kinematics during walking in healthy young adults. Medical Engineering and Physics, 2009, 31, 784-792.	0.8	16
423	Chaos and generalised multistability in a mesoscopic model of the electroencephalogram. Physica D: Nonlinear Phenomena, 2009, 238, 1056-1060.	1.3	43
424	The application of the transfer entropy to gappy time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1261-1267.	0.9	8
425	Lattice incompatibility and strain-aging in single crystals. Journal of the Mechanics and Physics of Solids, 2009, 57, 1733-1748.	2.3	17
426	Instabilities in the main parametric resonance area of a mechanical system with a pendulum. Journal of Sound and Vibration, 2009, 322, 612-628.	2.1	46
427	Chip formation as an oscillator during the turning process. Journal of Sound and Vibration, 2009, 326, 809-820.	2.1	16
428	Correntropy as a novel measure for nonlinearity tests. Signal Processing, 2009, 89, 14-23.	2.1	98
429	Attractor reconstruction of self-excited mechanical systems. Chaos, Solitons and Fractals, 2009, 40, 172-182.	2.5	6
430	Chaotic analysis of time series in the sediment transport phenomenon. Chaos, Solitons and Fractals, 2009, 41, 368-379.	2.5	35
431	Detection of low-dimensional chaos in wind time series. Chaos, Solitons and Fractals, 2009, 41, 1723-1732.	2.5	24
432	Intermittent and chaotic vibrations in a regenerative cutting process. Chaos, Solitons and Fractals, 2009, 41, 2115-2122.	2.5	19
433	Vibrations of a delivery car excited by railway track crossing. Chaos, Solitons and Fractals, 2009, 42, 270-276.	2.5	12
434	Complex oscillatory behaviour in a delayed protein cross talk model with periodic forcing. Chaos, Solitons and Fractals, 2009, 42, 385-395.	2.5	3
435	Deterministic flow in phase space of exchange rates: Evidence of chaos in filtered series of Turkish Lira–Dollar daily growth rates. Chaos, Solitons and Fractals, 2009, 42, 1062-1067.	2.5	16
436	Multiscale Lyapunov exponent for 2-microlocal functions. Chaos, Solitons and Fractals, 2009, 42, 2675-2687.	2.5	1
437	Chaotic behavior of price in the power markets with pay-as-bid payment mechanism. Chaos, Solitons and Fractals, 2009, 42, 2560-2569.	2.5	9
438	Combined use of correlation dimension and entropy as discriminating measures for time series analysis. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3608-3614.	1.7	17

	CIMION		
#	Article	IF	CITATIONS
439	A nonlinear, recurrence-based approach to traffic classification. Computer Networks, 2009, 53, 761-773.	3.2	55
440	Relative entropy measures applied to healthy and pathological voice characterization. Applied Mathematics and Computation, 2009, 207, 95-108.	1.4	31
441	Examination of persistence properties of wind speed records using detrended fluctuation analysis. Energy, 2009, 34, 1980-1985.	4.5	48
442	Nonlinearities in mating sounds of American crocodiles. BioSystems, 2009, 97, 154-159.	0.9	15
443	Chaos in free electron laser oscillators. European Physical Journal D, 2009, 55, 669-677.	0.6	0
444	Complex networks in climate dynamics. European Physical Journal: Special Topics, 2009, 174, 157-179.	1.2	416
445	Chaoticity analysis of the current through pure, hydrogenated and hydrophobically modified PEC-Si thin films under varying relative humidity. Open Physics, 2009, 7, .	0.8	3
446	Nonlinear spatial series analysis from unidirectional transects of soil physical properties. Catena, 2009, 77, 56-64.	2.2	6
447	Nonlinear Interactions. , 2009, , 263-308.		4
448	Meteorological complexity in the Amazonian area of Ecuador: An approach based on dynamical system theory. Ecological Complexity, 2009, 6, 278-285.	1.4	22
449	Analysis of electrical activity and seismicity in the natural time domain for the volcanicâ€seismic swarm activity in 2000 in the Izu Island region, Japan. Journal of Geophysical Research, 2009, 114, .	3.3	97
450	Complex Dynamics in Physiological Systems: From Heart to Brain. Understanding Complex Systems, 2009, , .	0.3	19
451	Spin Waves. , 2009, , .		18
452	Computer systems are dynamical systems. Chaos, 2009, 19, 033124.	1.0	29
453	Chaosâ€based forecast of sunspot cycle 24. Journal of Geophysical Research, 2009, 114, .	3.3	10
454	Nonlinear behavior of the center of pressure in simulated standing on elevated construction beams. Work, 2009, 34, 195-203.	0.6	4
455	Correlation between Spatial and Temporal Chaotic Behaviour in Two-Phase Microfluidics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 205-210.	0.4	0
456	Autorotation of Two Tandem Triangular Cylinders. , 2009, , .		0

#	Article	IF	CITATIONS
457	Nonlinear Dynamics in Experimental Two-Phase Microfluidics Timeseries. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 199-204.	0.4	0
458	The Role of the Embedding Dimension and Time Delay in Time Series Forecasting. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 316-320.	0.4	10
459	Solar Cycle Prediction. Living Reviews in Solar Physics, 2010, 7, 6.	7.8	142
460	Chaos in Human Behavior: The Case of Work Motivation. Spanish Journal of Psychology, 2010, 13, 244-256.	1.1	18
461	Quantifying complexity of the chaotic regime of a semiconductor laser subject to feedback via information theory measures. , 2010, , .		6
462	Evaluating the accuracy of Java profilers. ACM SIGPLAN Notices, 2010, 45, 187-197.	0.2	13
463	Time-asymmetric fluctuations in the atmosphere: daily mean temperatures and total-column ozone. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5721-5735.	1.6	2
464	Interpersonal Distance Modeling During Fighting Activities. Motor Control, 2010, 14, 509-527.	0.3	4
465	Recurrence-based detection of the hyperchaos-chaos transition in an electronic circuit. Chaos, 2010, 20, 043115.	1.0	11
466	A study on chaotic behaviour of equatorial/low latitude ionosphere over Indian subcontinent, using GPS-TEC time series. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1080-1089.	0.6	24
467	Two routes to chaos in the fractional Lorenz system with dimension continuously varying. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4140-4148.	1.2	11
468	Nonlinear dynamics of meteorological variables: multifractality and chaotic invariants in daily records from Pastaza, Ecuador. Theoretical and Applied Climatology, 2010, 102, 75-85.	1.3	13
469	The Biopsychology—Nonlinear Analysis Toolbox: A Free, Open-Source Matlab-Toolbox for the Non-linear Analysis of Time Series Data. Neuroinformatics, 2010, 8, 197-200.	1.5	3
470	Spectrum of Lyapunov exponents of non-smooth dynamical systems of integrate-and-fire type. Journal of Computational Neuroscience, 2010, 28, 229-245.	0.6	24
471	Detecting and identifying non-stationary courses inÂtheÂripping head power consumption by recurrence plots. Meccanica, 2010, 45, 603-608.	1.2	18
472	Mobile ad hoc network proactive routing with delay prediction using neural network. Wireless Networks, 2010, 16, 1601-1620.	2.0	13
473	On stability analysis via Lyapunov exponents calculated from a time series using nonlinear mapping—a case study. Nonlinear Dynamics, 2010, 59, 239-257.	2.7	33
474	A time-varying hyperchaotic system and its realization inÂcircuit. Nonlinear Dynamics, 2010, 62, 535-541.	2.7	22

#	Article	IF	CITATIONS
475	Real-time and MPEG-1 layer III compression resistant steganography in speech. IET Information Security, 2010, 4, 1.	1.1	16
476	Enhancement of Chaos Encryption Potential by Combining All-Optical and Electrooptical Chaos Generators. IEEE Journal of Quantum Electronics, 2010, 46, 1642-1649.	1.0	39
477	Analysis of the global warming dynamics from temperature time series. Ecological Modelling, 2010, 221, 1964-1978.	1.2	39
478	Chaotic behaviour of interplanetary magnetic field under various geomagnetic conditions. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 662-675.	0.6	10
479	Parallel implementations of the False Nearest Neighbors method to study the behavior of dynamical models. Mathematical and Computer Modelling, 2010, 52, 1237-1242.	2.0	4
480	Cutting process of composite materials: An experimental study. International Journal of Non-Linear Mechanics, 2010, 45, 458-462.	1.4	44
481	Intermittency in amplitude modulated dynamic atomic force microscopy. Ultramicroscopy, 2010, 110, 618-621.	0.8	6
482	Mutual information algorithms. Mechanical Systems and Signal Processing, 2010, 24, 2947-2960.	4.4	32
483	Walking in simulated Martian gravity: Influence of added weight on sagittal dynamic stability. Acta Astronautica, 2010, 66, 1341-1352.	1.7	4
484	A probe into the chaotic nature of daily streamflow time series by correlation dimension and largest Lyapunov methods. Applied Mathematical Modelling, 2010, 34, 4050-4057.	2.2	43
485	Detection of low-dimensional chaos in buildings energy consumption time series. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1603-1612.	1.7	13
486	Network anomaly detection through nonlinear analysis. Computers and Security, 2010, 29, 737-755.	4.0	73
487	Data-driven models for monthly streamflow time series prediction. Engineering Applications of Artificial Intelligence, 2010, 23, 1350-1367.	4.3	148
488	Transient chaotic behaviour versus periodic motion of a parametric pendulum by recurrence plots. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2010, 90, 33-41.	0.9	34
489	A comparative study on chaoticity of equatorial/low latitude ionosphere over Indian subcontinent during geomagnetically quiet and disturbed periods. Nonlinear Processes in Geophysics, 2010, 17, 765-776.	0.6	14
490	Nonlinear chaotic model for predicting storm surges. Nonlinear Processes in Geophysics, 2010, 17, 405-420.	0.6	29
491	Long-range correlation and nonlinearity in geochemical time series of gas discharges from Mt. Etna, and changes with 2001 and 2002–2003 eruptions. Nonlinear Processes in Geophysics, 2010, 17, 733-751.	0.6	8
492	Unraveling the Nature of Hyperactivity in Children With Attention-Deficit/Hyperactivity Disorder. Archives of General Psychiatry, 2010, 67, 388.	13.8	20

#	Article	IF	CITATIONS
493	On the relevance of nonlinear analysis of time series associated to CT kidney images. , 2010, , .		0
494	Assessing Local Turbulence Strength from a Time Series. Mathematical Problems in Engineering, 2010, 2010, 1-13.	0.6	4
495	Low dimensional chaos in the AT and GC skew profiles of DNA sequences. Chinese Physics B, 2010, 19, 090508.	0.7	1
496	The dynamics of laser droplet generation. Chaos, 2010, 20, 013129.	1.0	19
497	Chaotic operation by a single transistor circuit in the reverse active region. Chaos, 2010, 20, 013105.	1.0	17
498	Parameter scaling in the decoherent quantum-classical transition for chaotic rf superconducting quantum interference devices. Physical Review E, 2010, 81, 016212.	0.8	1
499	Effect of temperature on precision of chaotic oscillations in nickel electrodissolution. Chaos, 2010, 20, 023125.	1.0	13
500	COMPLEX DYNAMICS AND CHAOS IN A HYBRID SYSTEM MODELING A CONTROLLED REVERSE FLOW REACTOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2097-2108.	0.7	1
501	A framework for efficiently parallelizing nonlinear noise reduction algorithm. , 2010, , .		1
502	Nonlinear Gap Junctions Enable Long-Distance Propagation of Pulsating Calcium Waves in Astrocyte Networks. PLoS Computational Biology, 2010, 6, e1000909.	1.5	88
503	Late-Expiratory Activity: Emergence and Interactions With the Respiratory CPG. Journal of Neurophysiology, 2010, 104, 2713-2729.	0.9	82
504	Encoding of Spatio-Temporal Input Characteristics by a CA1 Pyramidal Neuron Model. PLoS Computational Biology, 2010, 6, e1001038.	1.5	22
505	Nonlinear analysis of seasonality and stochasticity of the Indus River. Hydrological Sciences Journal, 2010, 55, 250-265.	1.2	8
506	Testing for chaos of Yangtze River streamflow at different timescales. , 2010, , .		0
507	The Lyapunov Characteristic Exponents and Their Computation. Lecture Notes in Physics, 2010, , 63-135.	0.3	202
508	Linear and non-linear EEG analysis of adolescents with attention-deficit/hyperactivity disorder during a cognitive task. Clinical Neurophysiology, 2010, 121, 1863-1870.	0.7	80
509	Comment on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)―by Kun Tao and Ana P. Barros. Journal of Geophysical Research, 2010, 115, .	3.3	1
510	Reply to comment by Qingyuan Han on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)― Journal of Geophysical Research, 2010, 115, .	3.3	0

#	Article	IF	Citations
511	Devaney's chaos on recurrence plots. Physical Review E, 2010, 82, 036209.	0.8	17
512	Using Uniform-Design Genetic Expression Programming for chaotic time series prediction. , 2010, , .		0
513	Evaluating the accuracy of Java profilers. , 2010, , .		78
514	Nonlinear dynamics of semiconductor lasers with feedback and modulation. Optics Express, 2010, 18, 16955.	1.7	41
515	Linear and nonlinear analyses of EEG dynamics during non-painful somatosensory processing in chronic pain patients. International Journal of Psychophysiology, 2010, 77, 176-183.	0.5	37
516	Abrupt Transitions between Prefrontal Neural Ensemble States Accompany Behavioral Transitions during Rule Learning. Neuron, 2010, 66, 438-448.	3.8	311
517	Nonlinear dynamics of mean daily temperature and dewpoint time series at Babolsar, Iran, 1961–2005. Atmospheric Research, 2010, 98, 89-101.	1.8	22
518	"Chaotification―of Real Systems by Dynamic State Feedback. IEEE Antennas and Propagation Magazine, 2010, 52, 222-233.	1.2	23
519	Experimental chaos and fractals in a linear switched reluctance motor. , 2010, , .		1
520	Analysis of aperiodic and chaotic motions in a switched reluctance linear motor. , 2010, , .		4
521	BRAIN DYNAMICS AT MULTIPLE SCALES: CAN ONE RECONCILE THE APPARENT LOW-DIMENSIONAL CHAOS OF MACROSCOPIC VARIABLES WITH THE SEEMINGLY STOCHASTIC BEHAVIOR OF SINGLE NEURONS?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1687-1702.	0.7	23
522	Study on Chaos Dynamic Parameters of Surrounding Rock Displacement of Underground Grave. , 2010, , .		1
523	Non linear and Dynamic Time Warping classification of morphological patterns identified from Plethysmographic observations in the radial pulse. , 2011, , .		1
524	Intermittent synchronization in a network of bursting neurons. Chaos, 2011, 21, 033125.	1.0	12
525	Noise reduction by recycling dynamically coupled time series. Chaos, 2011, 21, 043110.	1.0	2
528	Optimal reconstruction of dynamical systems: A noise amplification approach. Physical Review E, 2011, 84, 016223.	0.8	25
529	Multiscale statistical characterization of migrating bed forms in gravel and sand bed rivers. Water Resources Research, 2011, 47, .	1.7	60
530	Resolving statistical uncertainty in correlation dimension estimation. Chaos, 2011, 21, 023124.	1.0	2

#	Article	IF	CITATIONS
531	Modal Analysis of the Ice-Structure Interaction Problem. Journal of Offshore Mechanics and Arctic Engineering, 2011, 133, .	0.6	3
532	Electrical Engineering and Applied Computing. Lecture Notes in Electrical Engineering, 2011, , .	0.3	10
533	Temporal complexity of daily precipitation records from different atmospheric environments: Chaotic and Lévy stable parameters. Atmospheric Research, 2011, 101, 879-892.	1.8	16
534	Extracting biomarkers of autism from MEG resting-state functional connectivity networks. Computers in Biology and Medicine, 2011, 41, 1166-1177.	3.9	78
535	A single bout of resistance exercise does not affect nonlinear dynamics of lower extremity kinematics during treadmill walking. Gait and Posture, 2011, 34, 285-287.	0.6	10
536	Multivariate multiscale entropy: A tool for complexity analysis of multichannel data. Physical Review E, 2011, 84, 061918.	0.8	279
537	A STUDY OF CHAOTIC PHENOMENA IN HUMAN-LIKE REACHING MOVEMENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 3293-3303.	0.7	6
538	Chaos control in DC arc furnaces powered by parallel DC-DC buck converters. , 2011, , .		1
539	BrainNetVis: An Open-Access Tool to Effectively Quantify and Visualize Brain Networks. Computational Intelligence and Neuroscience, 2011, 2011, 1-12.	1.1	2
540	Testing for nonlinearity of exchange rates: an informationâ€ŧheoretic approach. Journal of Economic Studies, 2011, 38, 637-657.	1.0	1
541	Sensitivity vector fields in embedded coordinates. Proceedings of SPIE, 2011, , .	0.8	0
542	The Role of Input Flows in Microfluidic Experimentations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4338-4343.	0.4	0
543	Evidence of Deterministic Components in the Apparent Randomness of GRBs: Clues of a Chaotic Dynamic. Scientific Reports, 2011, 1, 91.	1.6	11
544	Automatic Detection of Pathological Voices Using Complexity Measures, Noise Parameters, and Mel-Cepstral Coefficients. IEEE Transactions on Biomedical Engineering, 2011, 58, 370-379.	2.5	123
545	Competition between transport phenomena in a reaction–diffusion–convection system. Chemical Physics Letters, 2011, 512, 290-296.	1.2	5
546	Automatic sleep scoring: A search for an optimal combination of measures. Artificial Intelligence in Medicine, 2011, 53, 25-33.	3.8	99
547	Prognosis of qualitative system behavior by noisy, nonstationary, chaotic time series. Physical Review E, 2011, 84, 036215.	0.8	18
548	Interacting oscillations in neural control of breathing: modeling and qualitative analysis. Journal of Computational Neuroscience, 2011, 30, 607-632.	0.6	65

#	Article	IF	CITATIONS
549	A robust method on estimation of Lyapunov exponents fromÂaÂnoisy time series. Nonlinear Dynamics, 2011, 64, 279-292.	2.7	29
550	Nonlinear friction dynamics on fibrous materials, application to the characterization of surface quality. Part I: global characterization of phase spaces. Nonlinear Dynamics, 2011, 66, 625-646.	2.7	7
551	Dynamics of hourly sea level at Hillarys Boat Harbour, Western Australia: a chaos theory perspective. Ocean Dynamics, 2011, 61, 1797-1807.	0.9	23
552	Dynamical changes during composite milling: recurrence and multiscale entropy analysis. International Journal of Advanced Manufacturing Technology, 2011, 56, 445-453.	1.5	49
553	Neuronal discharge patterns in the Globus Pallidus pars interna in a patient with Parkinson's disease and hemiballismus secondary to subthalamotomy. Experimental Brain Research, 2011, 213, 447-455.	0.7	5
554	Normalized linear variance decay dimension density and its application of dynamical complexity detection in physiological (fMRI) time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1789-1795.	0.9	8
555	Time series analysis of parkinson's disease, huntington's disease and amyotrophic lateral sclerosis. Procedia Computer Science, 2011, 3, 210-215.	1.2	9
556	Parallel implementations of the False Nearest Neighbors method for distributed memory architectures. Concurrency Computation Practice and Experience, 2011, 23, 1-16.	1.4	0
557	No evidence of nonlinear or chaotic behavior of cardiovascular murmurs. Biomedical Signal Processing and Control, 2011, 6, 157-163.	3.5	16
558	On cycle-to-cycle heat release variations in a simulated spark ignition heat engine. Applied Energy, 2011, 88, 1557-1567.	5.1	47
559	Turbulence in Globus pallidum neurons in patients with Parkinson's disease: Exponential decay of the power spectrum. Journal of Neuroscience Methods, 2011, 197, 14-20.	1.3	11
560	Chaos in brake squeal noise. Journal of Sound and Vibration, 2011, 330, 955-975.	2.1	107
561	Stochastic dynamical analysis of a kind of vibro-impact system under multiple harmonic and random excitations. Journal of Sound and Vibration, 2011, 330, 2174-2184.	2.1	34
562	Re-evaluating the performance of the nonlinear prediction error for the detection of deterministic dynamics. Physica D: Nonlinear Phenomena, 2011, 240, 695-700.	1.3	5
565	Phase Synchronization of the El Niño-Southern Oscillation with the Annual Cycle. Physical Review Letters, 2011, 107, 128501.	2.9	55
566	Entropy rate estimates from mutual information. Physical Review E, 2011, 84, 046204.	0.8	2
567	Nonuniqueness of global modeling and time scaling. Physical Review E, 2011, 84, 046205.	0.8	16
568	Identification of nonlinear cardiac cell dynamics using radial basis function regression. , 2011, 2011, 6833-6.		0

#	Article	IF	CITATIONS
569	Wireless gyroscope suit for gait stability estimation. , 2011, 2011, 7824-8.		2
570	Nonlinear time series analysis of the light curves from the black hole system GRS1915+105. Research in Astronomy and Astrophysics, 2011, 11, 71-90.	0.7	18
571	Symplectic Principal Component Analysis: A New Method for Time Series Analysis. Mathematical Problems in Engineering, 2011, 2011, 1-14.	0.6	16
572	Flow Past Two Freely Rotatable Triangular Cylinders in Tandem Arrangement. Journal of Fluids Engineering, Transactions of the ASME, 2011, 133, .	0.8	18
573	Classification of time series generation processes using experimental tools: a survey and proposal of an automatic and systematic approach. International Journal of Computational Science and Engineering, 2011, 6, 217.	0.4	7
574	STABILITY LOBES ANALYSIS OF NICKEL SUPERALLOYS MILLING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2943-2954.	0.7	24
575	DETECTING CHAOS TIME SERIES VIA COMPLEX NETWORK FEATURE. Modern Physics Letters B, 2011, 25, 1889-1896.	1.0	5
576	EVOLUTIONARY GAMES ON VISIBILITY GRAPHS. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 307-315.	0.9	6
577	LOCAL MINIMA-BASED RECURRENCE PLOTS FOR CONTINUOUS DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1065-1075.	0.7	15
578	FINITE DIMENSIONAL STRUCTURE OF THE GPI DISCHARGE IN PATIENTS WITH PARKINSON'S DISEASE. International Journal of Neural Systems, 2011, 21, 175-186.	3.2	15
579	Deterministic nature of the underlying dynamics of surface wind fluctuations. Annales Geophysicae, 2012, 30, 1503-1514.	0.6	9
580	Stability criterion for aluminium alloy milling expressed by recurrence plot measures. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1976-1985.	1.5	11
581	Polynomial search and global modeling: Two algorithms for modeling chaos. Physical Review E, 2012, 86, 046205.	0.8	30
582	Short-term prediction of dynamical behavior of flame front instability induced by radiative heat loss. Chaos, 2012, 22, 033106.	1.0	28
583	Highly complex optical signal generation using electro-optical systems with non-linear, non-invertible transmission functions. Applied Physics Letters, 2012, 101, 071115.	1.5	15
584	LONG MEMORY IN STOCK MARKET VOLATILITY: THE INTERNATIONAL EVIDENCE. Modern Physics Letters B, 2012, 26, 1250128.	1.0	1
585	Local gait dynamic stability of individuals with knee brace and ankle brace. , 2012, , .		1
586	Pointwise Transinformation Distinguishes a Recurrent Increase of Synchronization in the Rapid Eye Movement Sleep Electroencephalogram. Journal of Clinical Neurophysiology, 2012, 29, 76-83.	0.9	2

#	Article	IF	CITATIONS
587	High performance implementations for computing the maximal Lyapunov exponent on distributed memory architectures. , 2012, , .		0
588	Using Surrogate Data for Nonlinear Identification: A Case Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1581-1586.	0.4	1
589	Methoden zur datengetriebenen Formulierung und Visualisierung von Kausalitähypothesen. Automatisierungstechnik, 2012, 60, 630-640.	0.4	1
590	Understanding intimate partner violence dynamics using mixed methods Families, Systems and Health, 2012, 30, 141-153.	0.4	11
591	An Online Data Access Prediction and Optimization Approach for Distributed Systems. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1017-1029.	4.0	16
592	Chaotic Behavior of Transistor Circuits. Understanding Complex Systems, 2012, , 59-91.	0.3	0
593	Rewiring-Induced Chaos in Pulse-Coupled Neural Networks. Neural Computation, 2012, 24, 1020-1046.	1.3	4
594	Feature selection for classification of oscillating time series. Expert Systems, 2012, 29, 456-477.	2.9	10
595	Nonlinear time series analysis of Kepler Space Telescope data: Mutually beneficial progress. Astronomische Nachrichten, 2012, 333, 983-986.	0.6	8
596	Conedy: A scientific tool to investigate complex network dynamics. Chaos, 2012, 22, 013125.	1.0	17
597	Nonlinear Analysis of Chaotic Time Series in a Natural Circulation Boiling Loop. Industrial & Engineering Chemistry Research, 2012, 51, 16467-16481.	1.8	5
598	A holistic approach to study the temporal variability in gait. Journal of Biomechanics, 2012, 45, 1127-1132.	0.9	63
599	Chaos in Mechanical Pendulum-like System Near Main Parametric Resonance. Procedia IUTAM, 2012, 5, 249-258.	1.2	10
600	Eco-friendly Computing and Communication Systems. Communications in Computer and Information Science, 2012, , .	0.4	3
601	Simulation and Visualization of Chaotic Systems. Journal of Computer and Information Science, 2012, 5, .	0.2	2
602	Inter-Comparison of an Evolutionary Programming Model of Suspended Sediment Time-Series with Other Local Models. , 0, , .		4
603	A Geometric Approach to Phase Resetting Estimation Based on Mapping Temporal to Geometric Phase. , 2012, , 131-162.		7
604	Forecasting the future: Is it possible for adiabatically time-varying nonlinear dynamical systems?. Chaos, 2012, 22, 033119.	1.0	10

ARTICLE IF CITATIONS # Estimation of the Mutual Orientation and Intermolecular Interaction of C₁₂E_{<i>x</i>} from Molecular Dynamics Simulations. Journal of Physical 605 1.2 6 Chemistry B, 2012, 116, 4879-4888. A linearization based non-iterative approach to measure the gaussian noise level for chaotic time 606 2.5 series. Chaos, Solitons and Fractals, 2012, 45, 266-278. Prediction of magnetic substorms using a state space model. Journal of Atmospheric and 607 0.6 6 Solar-Terrestrial Physics, 2012, 75-76, 22-30. Studying emotion through nonlinear processing of EEG. Procedia, Social and Behavioral Sciences, 608 0.5 2012, 32, 163-169. Sampling period, statistical complexity, and chaotic attractors. Physica A: Statistical Mechanics and 609 1.2 33 Its Applications, 2012, 391, 2564-2575. A study of the interplay between the structure variation and fluctuations of the Shanghai stock market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3198-3205. 1.2 611 Investigating chaos in river stage and discharge time series. Journal of Hydrology, 2012, 414-415, 108-117. 2.387 Hyperchaotic probe for damage identification using nonlinear prediction error. Mechanical Systems 4.4 24 and Signal Processing, 2012, 29, 457-473. A distributed memory architecture implementation of Âthe False Nearest Neighbors method based 613 2.4 3 onÂdistribution of dimensions. Journal of Supercomputing, 2012, 59, 1596-Ĭ618. Experimental classification of nonlinear dynamics in microfluidic bubbles' flow. Nonlinear Dynamics, 614 2.7 24 2012, 67, 2807-2819. Periodicity detection on the parameter-space ofÂaÂforced Chua's circuit. Nonlinear Dynamics, 2012, 67, 615 2.7 14 385-392. A comparative study of optimal hybrid methods for wind power prediction in wind farm of Alberta, 616 8.2 38 Canada. Renewable and Sustainable Energy Reviews, 2013, 27, 20-29. Analysis and simulation of dynamic response behavior of Scots pine trees to wind loading. 617 1.3 7 International Journal of Biometeorology, 2013, 57, 819-833. Side by Side Treadmill Walking With Intentionally Desynchronized Gait. Annals of Biomedical 1.3 Engineering, 2013, 41, 1680-1691. 619 Audio codec identification from coded and transcoded audios., 2013, 23, 1720-1730. 10 Prediction of multivariate chaotic time series via radial basis function neural network. Complexity, 39 2013, 18, 55-66. On the transition to hyperchaos and the structure of hyperchaotic attractors. European Physical 621 0.6 5 Journal B, 2013, 86, 1. The problem of spurious Lyapunov exponents in time series analysis and its solution by covariant Lyapunov vectors. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 254009.

#	Article	IF	CITATIONS
623	High-speed encryption method based on switched chaotic model with changeable parameters. , 2013, , .		4
624	Emergence of chaos in transistor circuits evolved towards maximization of approximate signal entropy. , 2013, , .		0
625	Predicting solar power output using complex fuzzy logic. , 2013, , .		16
626	Different types of synchrony in chaotic and cyclic communities. Nature Communications, 2013, 4, 1359.	5.8	25
627	Error Covariance Matrix Estimation of Noisy and Dynamically Coupled Time Series. Journal of Statistical Physics, 2013, 150, 375-397.	0.5	0
628	Modeling human postural sway using an intermittent control and hemodynamic perturbations. Mathematical Biosciences, 2013, 245, 86-95.	0.9	71
629	Experienced workers may sacrifice peak torso kinematics/kinetics for enhanced balance/stability during repetitive lifting. Journal of Biomechanics, 2013, 46, 1211-1215.	0.9	22
630	Interdependence and predictability of human mobility and social interactions. Pervasive and Mobile Computing, 2013, 9, 798-807.	2.1	96
631	Increasing Evidence for Chaotic Dynamics in the Soil-Plant-Atmosphere System: A Motivation for Future Research. Procedia Environmental Sciences, 2013, 19, 681-690.	1.3	10
632	Nonlinear dynamics and recurrence plots for detecting financial crisis. North American Journal of Economics and Finance, 2013, 26, 416-435.	1.8	50
633	Chaos and reproduction in sea level. Applied Mathematical Modelling, 2013, 37, 3687-3697.	2.2	19
634	Discontinuous attractor dimension at the synchronization transition of time-delayed chaotic systems. Physical Review E, 2013, 87, 042910.	0.8	7
635	Evaluating Lyapunov exponent spectra with neural networks. Chaos, Solitons and Fractals, 2013, 51, 13-21.	2.5	33
636	Linear scaling and periodicity on the measures of global and local scale complexities of total electron content dynamics. Journal of Geophysical Research: Space Physics, 2013, 118, 2583-2592.	0.8	4
637	HERMES: Towards an Integrated Toolbox to Characterize Functional and Effective Brain Connectivity. Neuroinformatics, 2013, 11, 405-434.	1.5	223
638	Cholinergic enhancement reduces functional connectivity and BOLD variability in visual extrastriate cortex during selective attention. Neuropharmacology, 2013, 64, 305-313.	2.0	40
639	Nonlinear dynamic analysis of an optimal particle damper. Journal of Sound and Vibration, 2013, 332, 2070-2080.	2.1	37
640	Effect of a particular coupling on the dynamic behavior of nonlinear systems. International Journal of Circuit Theory and Applications, 2013, 41, 1097-1108.	1.3	2

#	Article	IF	CITATIONS
641	Human brain detects short-time nonlinear predictability in the temporal fine structure of deterministic chaotic sounds. Physical Review E, 2013, 87, 042916.	0.8	5
642	A nonlinear analysis of the transport Barkhausen-like noise measured in (Bi,Pb)2Sr2Ca2Cu3O10+δ superconductors. Chaos, 2013, 23, 023116.	1.0	0
643	A new approach of denoising the regular and chaotic signals using Empirical Mode Decomposition: Comparison and application. Review of Scientific Instruments, 2013, 84, 075117.	0.6	6
644	Sensitivity vector fields in time-delay coordinate embeddings: Theory and experiment. Physical Review E, 2013, 87, 022903.	0.8	1
645	Complexity of the heart rhythm after heart transplantation by entropy of transition network for RR-increments of RR time intervals between heartbeats. , 2013, 2013, 6127-30.		3
646	ON THE DYNAMICS OF A SIMPLE RATIONAL PLANAR MAP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330021.	0.7	2
647	EVOLUTION OF SHANGHAI STOCK MARKET BASED ON MAXIMAL SPANNING TREES. Modern Physics Letters B, 2013, 27, 1350022.	1.0	25
648	NONLINEAR INDICES OF HEART RATE VARIABILITY FOR DIFFERENTIATING ARRHYTHMIAS. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350061.	0.3	2
649	Maximal Lyapunov exponent variations of volcanic tremor recorded during explosive and effusive activity at Mt Semeru volcano, Indonesia. Nonlinear Processes in Geophysics, 2013, 20, 1137-1145.	0.6	11
650	Deterministic dynamics of the magnetosphere: results of the $0\hat{a}\in$ 1 test. Nonlinear Processes in Geophysics, 2013, 20, 11-18.	0.6	13
651	Non-Linear Analysis Indicates Chaotic Dynamics and Reduced Resilience in Model-Based Daphnia Populations Exposed to Environmental Stress. PLoS ONE, 2014, 9, e96270.	1.1	6
652	Chaotic Vibration Analysis of the Bottom Rotating Drill String. Shock and Vibration, 2014, 2014, 1-8.	0.3	10
653	Deterministic prediction of surface wind speed variations. Annales Geophysicae, 2014, 32, 1415-1425.	0.6	11
654	The comparative study of chaoticity and dynamical complexity of the low-latitude ionosphere, over Nigeria, during quiet and disturbed days. Nonlinear Processes in Geophysics, 2014, 21, 127-142.	0.6	23
655	VARIATIONS IN NON-LINEARITY IN VERTICAL DISTRIBUTION OF MICROWAVE RADIO REFRACTIVITY Progress in Electromagnetics Research M, 2014, 36, 177-183.	0.5	14
656	Harmonic Reduction and Chaotic Operation towards Application of AC/AC Converter with Feedback Control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 840-847.	0.2	3
657	Chaotic behavior of light-assisted physical aging in arsenoselenide glasses. Chaos, 2014, 24, 043138.	1.0	1
658	NEV2lkit: A NEW OPEN SOURCE TOOL FOR HANDLING NEURONAL EVENT FILES FROM MULTI-ELECTRODE RECORDINGS. International Journal of Neural Systems, 2014, 24, 1450009.	3.2	20

#	Article	IF	CITATIONS
659	Dynamics of a Single-Mode Semiconductor Laser with Incoherent Optical Feedback. Radiophysics and Quantum Electronics, 2014, 57, 385-391.	0.1	1
660	Nonlinear prediction of river flow in different watershed acreage. KSCE Journal of Civil Engineering, 2014, 18, 2268-2274.	0.9	7
661	Optically driven oscillations of ellipsoidal particles. Part I: Experimental observations. European Physical Journal E, 2014, 37, 124.	0.7	13
662	Characterizing system dynamics with a weighted and directed network constructed from time series data. Chaos, 2014, 24, 024402.	1.0	67
663	A Recurrent Increase of Synchronization in the EEG Continues from Waking throughout NREM and REM Sleep. ISRN Neuroscience, 2014, 2014, 1-10.	1.5	4
664	Statistical Characterization of Nearest Neighbors to Reliably Estimate Minimum Embedding Dimension. , 2014, , .		3
665	Hidden Overhang of Domestic Debt and Its Role in the This-Time-Is-Different Syndrome: An Empirical Contingent Liabilities Model. Emerging Markets Finance and Trade, 2014, 50, 73-94.	1.7	4
666	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
667	Nonlinear Dynamics and Wavelets for Business Cycle Analysis. Dynamic Modeling and Econometrics in Economics and Finance, 2014, , 73-100.	0.4	5
668	Multiâ€day recurrences of intimate partner violence and alcohol intake across dynamic patterns of violence. Journal of Evaluation in Clinical Practice, 2014, 20, 711-718.	0.9	8
669	Do violence dynamics matter?. Journal of Evaluation in Clinical Practice, 2014, 20, 719-727.	0.9	11
670	Prediction of horizontal component of earth's magnetic field over Indian sector using neural network model. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 206-220.	0.6	8
671	Experimental dynamical characterization of five autonomous chaotic oscillators with tunable series resistance. Chaos, 2014, 24, 033110.	1.0	23
672	Dynamics of violence. Journal of Evaluation in Clinical Practice, 2014, 20, 695-702.	0.9	20
673	Complex solitary wave dynamics, pattern formation and chaos in the gain–loss nonlinear SchrĶdinger equation. New Journal of Physics, 2014, 16, 023025.	1.2	9
674	Correlates of depression in bipolar disorder. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132320.	1.2	12
676	Nonlinear time series temperature modeling based on normal form. Europhysics Letters, 2014, 105, 29001.	0.7	0
677	Antigen–antibody biorecognition events as discriminated by noise analysis of force spectroscopy curves. Nanotechnology, 2014, 25, 335102.	1.3	17

#	Article	IF	CITATIONS
678	On the chaotic behaviour of a simple dry-friction oscillator. Mathematics and Computers in Simulation, 2014, 95, 55-62.	2.4	25
679	Deterministic chaotic dynamics of Raba River flow (Polish Carpathian Mountains). Journal of Hydrology, 2014, 509, 474-503.	2.3	21
680	Nonlinear Analyses of Elicited Modal, Raised, and Pressed Rabbit Phonation. Journal of Voice, 2014, 28, 538-547.	0.6	9
681	How does solar eclipse influence the complex behavior of midlatitude ionosphere? Two case studies. Journal of Geophysical Research: Space Physics, 2014, 119, 1157-1171.	0.8	4
682	SVR-based prediction of evaporation combined with chaotic approach. Journal of Hydrology, 2014, 508, 356-363.	2.3	62
683	Nonlinear dynamic analysis of harmonically excited debonded sandwich plates using finite element modelling. Composite Structures, 2014, 108, 354-366.	3.1	26
684	Natural physical aging in glassy As–Se: A comparative study of chaotic behavior with enhanced results analysis. Journal of Non-Crystalline Solids, 2014, 386, 8-13.	1.5	8
685	Lyapunov Exponent Sign Reversal: Stability and Instability by the First Approximation. Advances in Dynamics, Patterns, Cognition, 2014, , 41-77.	0.2	2
686	Dynamics of an open quantum system interacting with a quantum environment. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 215505.	0.6	10
687	Polynomial law for controlling the generation of n-scroll chaotic attractors in an optoelectronic delayed oscillator. Chaos, 2014, 24, 033123.	1.0	4
688	Mood dynamics in bipolar disorder. International Journal of Bipolar Disorders, 2014, 2, 11.	0.8	24
689	Effects of financial crisis on the industry sector of Chinese stock market — from a perspective of complex network. Modern Physics Letters B, 2014, 28, 1450102.	1.0	10
690	An efficient algorithm for the computation of average mutual information: Validation and implementation in Matlab. Journal of Mathematical Psychology, 2014, 61, 45-59.	1.0	23
691	Nonlinear time series analysis of vibration data from a friction brake: SSA, PCA, and MFDFA. Chaos, Solitons and Fractals, 2014, 69, 90-99.	2.5	41
692	Pulse shape analysis of a two fold clover detector with an EMD based new algorithm: A comparison. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 741, 108-116.	0.7	4
693	Modeling a single-mode semiconductor laser with incoherent optical feedback. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 873.	0.9	1
694	An absolute measure for a key currency. Physica A: Statistical Mechanics and Its Applications, 2014, 407, 15-23.	1.2	0
695	DNA duplex stability as discriminative characteristic for Escherichia coli Ï f 54- and Ï f 28- dependent promoter sequences. Biologicals, 2014, 42, 22-28.	0.5	32

#	ARTICLE	IF	CITATIONS
696	Surreptitious structure of the Turkish financial crisis 2000-2001. International Journal of Sustainable Economy, 2014, 6, 359.	0.1	0
697	Nonlinear self-excited thermoacoustic oscillations of a ducted premixed flame: bifurcations and routes to chaos. Journal of Fluid Mechanics, 2014, 761, 399-430.	1.4	116
698	Features of the extreme events observed in an all-solid-state laser with a saturable absorber. Physical Review A, 2015, 92, .	1.0	16
699	Evolution of self-organized two-dimensional patterns of nanoclusters through demixing. Physical Review E, 2015, 92, 032907.	0.8	10
700	Prediction in projection. Chaos, 2015, 25, 123108.	1.0	20
701	Unified functional network and nonlinear time series analysis for complex systems science: The <tt>pyunicorn</tt> package. Chaos, 2015, 25, 113101.	1.0	84
702	Improvements to local projective noise reduction through higher order and multiscale refinements. Chaos, 2015, 25, 063114.	1.0	8
703	Reconstructing the micrometeorological dynamics of the southern Amazonian transitional forest. Chaos, 2015, 25, 123123.	1.0	3
704	Analysis of chaotic bright spin-wave soliton trains in magnetic films. Journal of Physics: Conference Series, 2015, 661, 012059.	0.3	1
705	Short term prediction of aluminium strip thickness via Support Vector Machines. , 2015, , .		1
706	On the scaling of the solar incident flux. Atmospheric Chemistry and Physics, 2015, 15, 7301-7306.	1.9	23
707	Analysis of Human Standing Balance by Largest Lyapunov Exponent. Computational Intelligence and Neuroscience, 2015, 2015, 1-10.	1.1	15
708	Empirical mode decomposition and chaos based prediction model for wind speed oscillations. , 2015, , .		0
709	A nonlinear dynamics of trunk kinematics during manual lifting tasks. Work, 2015, 51, 423-437.	0.6	4
710	Electroencephalography signatures of attention-deficit/hyperactivity disorder: clinical utility. Neuropsychiatric Disease and Treatment, 2015, 11, 2755.	1.0	14
711	Quantifying Emergent Behavior of Autonomous Robots. Entropy, 2015, 17, 7266-7297.	1.1	4
712	Low-dimensional attractor for neural activity from local field potentials in optogenetic mice. Frontiers in Computational Neuroscience, 2015, 9, 125.	1.2	11
713	Forecasting Exchange Rates. International Journal of Rough Sets and Data Analysis, 2015, 2, 38-57.	1.0	15

#	Article	IF	Citations
714	The transient variation in the complexes of the low-latitude ionosphere within the equatorial ionization anomaly region of Nigeria. Nonlinear Processes in Geophysics, 2015, 22, 527-543.	0.6	6
715	Metagenomics meets time series analysis: unraveling microbial community dynamics. Current Opinion in Microbiology, 2015, 25, 56-66.	2.3	345
716	Nonlinear time-series analysis of Hyperion's lightcurves. Astrophysics and Space Science, 2015, 357, 1.	0.5	9
717	Dynamic response signatures of a scaled model platform for floating wind turbines in an ocean wave basin. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140078.	1.6	26
718	Chatter identification methods on the basis of time series measured during titanium superalloy milling. International Journal of Mechanical Sciences, 2015, 99, 196-207.	3.6	74
719	Pigmented Nevi Risk Assessment Based on the Correlation Dimension of the Associated Lesion's Attractor. , 2015, , .		0
720	Detecting BGP instability using Recurrence Quantification Analysis (RQA). , 2015, , .		14
721	Deterministic Chaos in the X-ray Sources. Journal of Astrophysics and Astronomy, 2015, 36, 529.	0.4	3
722	Detection of the deterministic component in acoustic emission signals from mechanically loaded rock samples. Physics of the Solid State, 2015, 57, 2271-2278.	0.2	9
723	A model of active trading by using the properties of chaos. , 2015, 39, 15-21.		6
724	Analysis and prediction of aperiodic hydrodynamic oscillatory time series by feed-forward neural networks, fuzzy logic, and a local nonlinear predictor. Chaos, 2015, 25, 013104.	1.0	21
725	High Resolution Parameter-Space from a Two-Level Model on Semi-Insulating GaAs . International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530004.	0.7	3
726	Fusing voice and query data for non-invasive detection of laryngeal disorders. Expert Systems With Applications, 2015, 42, 8445-8453.	4.4	7
727	Time-Series Forecasting via Complex Fuzzy Logic. , 2015, , 147-165.		7
728	Time lagged ordinal partition networks for capturing dynamics of continuous dynamical systems. Chaos, 2015, 25, 053101.	1.0	127
729	Nonlinear time-series analysis revisited. Chaos, 2015, 25, 097610.	1.0	252
730	Synchronous Chaos Generation in an <inline-formula> <tex-math notation="TeX">\${m Er}^{3+}\$</tex-math></inline-formula> -Doped Fiber Laser System. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	5
731	Neural code alterations and abnormal time patterns in Parkinson's disease. Journal of Neural Engineering, 2015, 12, 026004. 	1.8	6

#	Article	IF	CITATIONS
732	Dynamic Nature of Explanatory Variables in Water Demand Forecasting. Procedia Engineering, 2015, 119, 781-787.	1.2	1
733	Simple Two-Transistor Single-Supply Resistor–Capacitor Chaotic Oscillator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 891-895.	2.2	27
734	Synchronization, non-linear dynamics and low-frequency fluctuations: Analogy between spontaneous brain activity and networked single-transistor chaotic oscillators. Chaos, 2015, 25, 033107.	1.0	27
735	Neuro-fuzzy classification of transcranial Doppler signals with chaotic meaures and spectral parameters. , 2015, , .		1
736	Effect of data gaps on correlation dimension computed from light curves of variable stars. Astrophysics and Space Science, 2015, 360, 1.	0.5	6
737	Detection of vocal disorders based on phase space parameters and Lyapunov spectrum. Biomedical Signal Processing and Control, 2015, 22, 135-145.	3.5	27
738	Experimental Evidence of Chaos from Memristors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550101.	0.7	22
739	Effects of religious and spiritual variables on outcomes in violent relationships. International Journal of Psychiatry in Medicine, 2015, 49, 249-263.	0.8	10
740	Experimental Implementation of Networked Chaotic Oscillators Based on Cross-Coupled Inverter Rings in a CMOS Integrated Circuit. Journal of Circuits, Systems and Computers, 2015, 24, 1550144.	1.0	7
741	Attractor reconstruction of an impact oscillator for parameter identification. International Journal of Mechanical Sciences, 2015, 103, 212-223.	3.6	7
743	A User-Based Early Warning Service Management Framework in Cloud Computing. Computer Journal, 2015, 58, 472-496.	1.5	9
744	A statistical approach to estimate the Lyapunov spectrum in disc brake squeal. Journal of Sound and Vibration, 2015, 334, 120-135.	2.1	30
745	Recurrence Quantification Analysis. Understanding Complex Systems, 2015, , .	0.3	153
746	Complexity in hydro-seismicity of the Koyna–Warna region, India. Natural Hazards, 2015, 77, 109-116.	1.6	1
747	Speech steganalysis based on the delay vector variance method. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 4129-4141.	0.9	3
748	Symplectic Principal Component Analysis: A Noise Reduction Method for Continuous Chaotic Systems. , 0, , .		1
749	Non-linear behaviour of XTE J1550-564 during its 1998â^'1999 outburst, revealed by recurrence analysis. Astronomy and Astrophysics, 2016, 591, A77.	2.1	7
750	Significance of using a nonlinear analysis technique, the Lyapunov exponent, on the understanding of the dynamics of the cardiorespiratory system in rats. Turkish Journal of Medical Sciences, 2016, 46, 159-165.	0.4	3

#	Article	IF	Citations
751	Intelligent Soft Computing Models in Water Demand Forecasting. , 0, , .		9
752	State Anxiety and Nonlinear Dynamics of Heart Rate Variability in Students. PLoS ONE, 2016, 11, e0146131.	1.1	71
753	Chaotic sequences for noisy environments. Chaos, 2016, 26, 103104.	1.0	2
754	A multi-GHz chaotic optoelectronic oscillator based on laser terminal voltage. Applied Physics Letters, 2016, 108, 191109.	1.5	21
755	Nonlinear behavior of the tarka flute's distinctive sounds. Chaos, 2016, 26, 093114.	1.0	1
756	Counting forbidden patterns in irregularly sampled time series. I. The effects of under-sampling, random depletion, and timing jitter. Chaos, 2016, 26, 123103.	1.0	33
757	Computational study of the piccolo: Evidence for chaotic tones. Journal of the Acoustical Society of America, 2016, 140, 1887-1893.	0.5	0
758	A study of vocal nonlinearities in humpback whale songs: from production mechanisms to acoustic analysis. Scientific Reports, 2016, 6, 31660.	1.6	21
759	lrregular Liesegang-type patterns in gas phase revisited. II. Statistical correlation analysis. Journal of Chemical Physics, 2016, 144, 174702.	1.2	3
760	Improvement in global forecast for chaotic time series. Computer Physics Communications, 2016, 207, 325-340.	3.0	10
761	Dynamics of abundance of the mid- to late Pridoli conodonts from the eastern part of the Silurian Baltic basin: Multifractals, state shifts, and oscillations. Numerische Mathematik, 2016, 316, 363-400.	0.7	14
762	Invariance of Lyapunov exponents and Lyapunov dimension for regular and irregular linearizations. Nonlinear Dynamics, 2016, 85, 195-201.	2.7	71
763	A new fine-grained classification strategy for solar daily radiation patterns. Pattern Recognition Letters, 2016, 81, 110-117.	2.6	17
764	The delay vector variance method and the recurrence quantification analysis of energy markets. International Journal of Energy and Statistics, 2016, 04, 1650001.	0.5	0
765	The Lyapunov dimension and its estimation via the Leonov method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2142-2149.	0.9	65
766	Chaos characteristics and least squares support vector machines based online pipeline small leakages detection. Chaos, Solitons and Fractals, 2016, 91, 656-669.	2.5	31
767	Reconstructing input for artificial neural networks based on embedding theory and mutual information to simulate soil pore water salinity in tidal floodplain. Water Resources Research, 2016, 52, 511-532.	1.7	4
768	On deterministic chaos in software reliability growth models. Applied Soft Computing Journal, 2016, 49, 1256-1269.	4.1	12

щ	Apticus		CITATIONS
#	Phase transitions in tumor growth: III vascular and metastasis behavior. Physica A: Statistical	IF	CHATIONS
769	Mechanics and Its Applications, 2016, 462, 560-568.	1.2	18
770	Surface investigation by electrochemical methods and application of chaos theory and fractal geometry. Chaos, Solitons and Fractals, 2016, 91, 598-603.	2.5	19
771	ANCFIS-ELM: A machine learning algorithm based on complex fuzzy sets. , 2016, , .		3
772	Following a potential epileptogenic insult, prolonged high rates of nonlinear dynamical regimes of intermittency type is the hallmark of epileptogenesis. Scientific Reports, 2016, 6, 31129.	1.6	12
773	Uniform framework for the recurrence-network analysis of chaotic time series. Physical Review E, 2016, 93, 012202.	0.8	38
774	Leveraging information storage to select forecast-optimal parameters for delay-coordinate reconstructions. Physical Review E, 2016, 93, 022221.	0.8	25
775	Granger-causality maps of diffusion processes. Physical Review E, 2016, 93, 022213.	0.8	11
776	Nonlinear Speech Analysis and Modeling for Malayalam Vowel Recognition. Procedia Computer Science, 2016, 93, 676-682.	1.2	7
777	On the progress of the 2015–2016 El Niño event. Atmospheric Chemistry and Physics, 2016, 16, 2007-2011.	1.9	56
778	A comprehensive study of the delay vector variance method for quantification of nonlinearity in dynamical systems. Royal Society Open Science, 2016, 3, 150493.	1.1	10
779	Investigation of complexity dynamics in a DC glow discharge magnetized plasma using recurrence quantification analysis. Physics of Plasmas, 2016, 23, .	0.7	6
780	The Correlation Dimension of a Rectilinear Grid. Journal of Interconnection Networks, 2016, 16, 1550010.	0.6	11
781	Time Series Methods. SpringerBriefs in Energy, 2016, , 1-15.	0.2	0
782	Data based identification and prediction of nonlinear and complex dynamical systems. Physics Reports, 2016, 644, 1-76.	10.3	268
784	Dynamic method of stiffness identification in impacting systems for percussive drilling applications. Mechanical Systems and Signal Processing, 2016, 80, 224-244.	4.4	27
785	Emergence of chaos in a spatially confined reactive system. Physica D: Nonlinear Phenomena, 2016, 335, 1-9.	1.3	12
786	Renal nerves dynamically regulate renal blood flow in conscious, healthy rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R156-R166.	0.9	4
787	On the dimension of complex responses in nonlinear structural vibrations. Journal of Sound and Vibration, 2016, 373, 192-204.	2.1	12

#	Article	IF	CITATIONS
788	Nonlinear targeted energy transfer of two coupled cantilever beams coupled to a bistable light attachment. Journal of Sound and Vibration, 2016, 373, 29-51.	2.1	36
789	Self-Sustained Irregular Activity in an Ensemble of Neural Oscillators. Physical Review X, 2016, 6, .	2.8	20
790	COMPARISON OF CHAOTIC AND FRACTAL PROPERTIES OF POLAR FACULAE WITH SUNSPOT ACTIVITY. Astronomical Journal, 2016, 151, 2.	1.9	23
791	High-frequency reverse-time chaos generation using an optical matched filter. Optics Letters, 2016, 41, 1157.	1.7	19
792	Responses of bistable piezoelectric-composite energy harvester by means of recurrences. Mechanical Systems and Signal Processing, 2016, 76-77, 823-832.	4.4	33
793	Prediction of Disordered Regions in Proteins Using Physicochemical Properties of Amino Acids. International Journal of Peptide Research and Therapeutics, 2016, 22, 31-36.	0.9	1
794	Traditional posterior load carriage: effects of load mass and size on torso kinematics, kinetics, muscle activity and movement stability. Ergonomics, 2016, 59, 99-111.	1.1	12
795	The chaotic dynamics of drilling. Nonlinear Dynamics, 2016, 83, 2003-2018.	2.7	16
796	Dynamics of thin-walled element milling expressed by recurrence analysis. Meccanica, 2016, 51, 1275-1286.	1.2	28
797	Strange attractors generated by a fractional order switching system and its topological horseshoe. Nonlinear Dynamics, 2016, 83, 1629-1641.	2.7	39
798	Sleep electroencephalography and heart rate variability interdependence amongst healthy subjects and insomnia/schizophrenia patients. Medical and Biological Engineering and Computing, 2016, 54, 77-91.	1.6	7
799	Local Stability of the Trunk in Patients with Degenerative Cerebellar Ataxia During Walking. Cerebellum, 2017, 16, 26-33.	1.4	44
800	An Integrated Dual Entropy Core True Random Number Generator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 329-333.	2.2	24
801	Spatio-temporal coordination among functional residues in protein. Scientific Reports, 2017, 7, 40439.	1.6	9
802	Chaos and trend analysis of monthly precipitation over Arabian Peninsula and Eastern Mediterranean. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
803	How are you feeling?: A personalized methodology for predicting mental states from temporally observable physical and behavioral information. Journal of Biomedical Informatics, 2017, 68, 1-19.	2.5	33
804	Processing Binary and Fuzzy Logic by Chaotic Time Series Generated by a Hydrodynamic Photochemical Oscillator. ChemPhysChem, 2017, 18, 1831-1841.	1.0	25
805	Forecasting of Multivariate Time Series via Complex Fuzzy Logic. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2160-2171.	5.9	26

#	Article	IF	CITATIONS
806	Period doubling cascades of limit cycles in cardiac action potential models as precursors to chaotic early Afterdepolarizations. BMC Systems Biology, 2017, 11, 42.	3.0	22
807	Memory and betweenness preference in temporal networks induced from time series. Scientific Reports, 2017, 7, 41951.	1.6	20
808	PyRQA—Conducting recurrence quantification analysis on very long time series efficiently. Computers and Geosciences, 2017, 104, 101-108.	2.0	31
809	Multiscale ordinal network analysis of human cardiac dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160292.	1.6	55
810	Chaos generation in fractional-order switched systems and its digital implementation. AEU - International Journal of Electronics and Communications, 2017, 79, 43-52.	1.7	46
811	Chaotic Pattern Alternations Can Reproduce Properties of Dominance Durations in Multistable Perception. Neural Computation, 2017, 29, 1696-1720.	1.3	6
812	Regenerating time series from ordinal networks. Chaos, 2017, 27, 035814.	1.0	35
813	Recurrence and Cross Recurrence Plots Reveal the Onset of the Mulde Event (Silurian) in the Abundance Data for Baltic Conodonts. Journal of Geology, 2017, 125, 381-398.	0.7	17
814	Approximate entropy profile: a novel approach to comprehend irregularity of short-term HRV signal. Nonlinear Dynamics, 2017, 88, 823-837.	2.7	39
815	Time series analysis and short-term forecasting of solar irradiation, a new hybrid approach. Swarm and Evolutionary Computation, 2017, 34, 75-88.	4.5	26
816	Applying a kernel function on time-dependent data to provide supervised-learning guarantees. Expert Systems With Applications, 2017, 71, 216-229.	4.4	12
817	Dimensionless embedding for nonlinear time series analysis. Physical Review E, 2017, 96, 032219.	0.8	15
818	1/f pink chaos in nanopores. RSC Advances, 2017, 7, 46092-46100.	1.7	2
819	A new characterization of chaos from a time series. Chaos, Solitons and Fractals, 2017, 104, 323-326.	2.5	7
820	Comparative study of noise in low-current Townsend discharge in nitrogen and argon. Physical Review E, 2017, 95, 043206.	0.8	8
821	Using missing ordinal patterns to detect nonlinearity in time series data. Physical Review E, 2017, 96, 022218.	0.8	19
822	Hardware implementation of pseudo-random number generators based on chaotic maps. Nonlinear Dynamics, 2017, 90, 1661-1670.	2.7	107
823	Effect of an internal nonlinear rotational dissipative element on vortex shedding and vortex-induced vibration of a sprung circular cylinder. Journal of Fluid Mechanics, 2017, 828, 196-235.	1.4	31

# 824	ARTICLE Are process nonlinearities encoded in meandering river planform morphology?. Journal of Geophysical Research F: Earth Surface, 2017, 122, 1534-1552.	IF 1.0	CITATIONS 9
825	Atypical transistor-based chaotic oscillators: Design, realization, and diversity. Chaos, 2017, 27, 073113.	1.0	37
826	Temperature fluctuations in a changing climate: an ensemble-based experimental approach. Scientific Reports, 2017, 7, 254.	1.6	42
827	Chaotic time series prediction for glucose dynamics in type 1 diabetes mellitus using regime-switching models. Scientific Reports, 2017, 7, 6232.	1.6	31
828	NO2 Hydrogenation on Rh Catalysts: Bifurcations and Oscillations at the Nanoscale. Journal of Physical Chemistry C, 2017, 121, 17235-17243.	1.5	6
829	Chaotic He-Ne laser. European Journal of Physics, 2017, 38, 055303.	0.3	0
830	Reliable Estimation of Minimum Embedding Dimension Through Statistical Analysis of Nearest Neighbors. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	0.7	19
831	Structure, Dynamics, and Electron Transfer of Azurin Bound to a Gold Electrode. Langmuir, 2017, 33, 9190-9200.	1.6	5
832	Nonlinear Short-term Prediction of Aluminum Foil Thickness via Global Regressor Combination. Applied Artificial Intelligence, 2017, 31, 568-592.	2.0	3
833	Detecting abnormality in heart dynamics from multifractal analysis of ECG signals. Scientific Reports, 2017, 7, 15127.	1.6	38
834	Control of chemical chaos through medium viscosity in a batch ferroin-catalysed Belousov–Zhabotinsky reaction. Physical Chemistry Chemical Physics, 2017, 19, 32235-32241.	1.3	22
835	Extensive Numerical Study and Circuitry Implementation of the Watt Governor Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750175.	0.7	14
836	Using 0–1 test to diagnose chaos on shape memory alloy dynamical systems. Chaos, Solitons and Fractals, 2017, 103, 307-324.	2.5	35
839	A study on anomaly prediction method of machine tools — Feature extraction for anomaly prediction. , 2017, , .		0
840	Recurrence behaviour of BGP traffic. , 2017, , .		4
841	An Application of the Coherent Noise Model for the Prediction of Aftershock Magnitude Time Series. Complexity, 2017, 2017, 1-27.	0.9	12
842	Recurrence analysis of regular and chaotic motions of a superelastic shape memory oscillator. ITM Web of Conferences, 2017, 15, 05013.	0.4	2
843	Multivariate anomaly detection for Earth observations: a comparison of algorithms and feature extraction techniques. Earth System Dynamics, 2017, 8, 677-696.	2.7	27

#	Article	IF	CITATIONS
844	Quantifying Strength of Chaos in the Population Firing Rate of Neurons. Neural Computation, 2018, 30, 792-819.	1.3	1
845	Controlling Chemical Chaos in the Belousov-Zhabotinsky Oscillator. Communications in Computer and Information Science, 2018, , 32-48.	0.4	Ο
846	Photochromic and luminescent compounds as artificial neuron models. Dyes and Pigments, 2018, 156, 149-159.	2.0	37
847	Discovering Discontinuity in Big Financial Transaction Data. ACM Transactions on Management Information Systems, 2018, 9, 1-26.	2.1	6
848	Direct Interval Forecast of Uncertain Wind Power Based on Recurrent Neural Networks. IEEE Transactions on Sustainable Energy, 2018, 9, 1177-1187.	5.9	129
849	Determining the chaotic behaviour of copper prices in the long-term using annual price data. Palgrave Communications, 2018, 4, .	4.7	6
850	Data-based prediction and causality inference of nonlinear dynamics. Science China Mathematics, 2018, 61, 403-420.	0.8	18
851	Effects of surface topography on SERS response: Correlating nanoscopy with spectroscopy. Applied Surface Science, 2018, 439, 1-10.	3.1	10
852	Flow-induced motions of flexible filaments hanging in cross-flow. Experimental Thermal and Fluid Science, 2018, 97, 254-269.	1.5	13
853	Extreme events and single-pulse spatial patterns observed in a self-pulsing all-solid-state laser. Physical Review E, 2018, 97, 032215.	0.8	9
854	Influences of Speed and Treadmill Inclination on the Local Dynamic Stability of Human Knee Joint. Applied Mechanics and Materials, 2018, 880, 130-135.	0.2	3
855	Vibration of middle ear with shape memory prosthesis - Experimental and numerical study. AIP Conference Proceedings, 2018, , .	0.3	1
856	River flow prediction using hybrid models of support vector regression with the wavelet transform, singular spectrum analysis and chaotic approach. Meteorology and Atmospheric Physics, 2018, 130, 349-359.	0.9	18
857	Chaotic and Linear Statistics Analysis in Thermoacoustic Instability Detection. Journal of Propulsion and Power, 2018, 34, 15-26.	1.3	17
858	Recurrence network measures for hypothesis testing using surrogate data: Application to black hole light curves. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 84-99.	1.7	13
859	Nonlinear dynamic analysis of Dαsignals for type I edge localized modes characterization on JET with a carbon wall. Plasma Physics and Controlled Fusion, 2018, 60, 025010.	0.9	3
860	Alternative techniques for forecasting mineral commodity prices. International Journal of Mining Science and Technology, 2018, 28, 309-322.	4.6	46
861	Autonomous choices among deterministic evolution–laws as source of uncertainty. Communications in Nonlinear Science and Numerical Simulation, 2018, 56, 405-418.	1.7	0

#	Article	IF	CITATIONS
862	Low latitude ionospheric TEC responses to dynamical complexity quantifiers during transient events over Nigeria. Advances in Space Research, 2018, 61, 1689-1701.	1.2	5
863	Correlation between the Hurst exponent and the maximal Lyapunov exponent: Examining some low-dimensional conservative maps. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 834-844.	1.2	14
864	Diverse dynamical characteristics across the frequency spectrum of wind speed fluctuations. Renewable Energy, 2018, 119, 540-550.	4.3	11
865	Complex Dynamics in the Basal Ganglia: Health and Disease Beyond the Motor System. Journal of Neuropsychiatry and Clinical Neurosciences, 2018, 30, 101-114.	0.9	17
866	Parameters Estimation in Phase-Space Landscape Reconstruction of Cell Fate: A Systems Biology Approach. Methods in Molecular Biology, 2018, 1702, 125-170.	0.4	4
867	Nonlinear Dynamics of the Fluctuations of Extrinsic Photoconductivity in Cadmium Sulfoselenide Crystals Doped with Potassium. Moscow University Chemistry Bulletin, 2018, 73, 111-115.	0.2	1
868	Chaotic Time Series Prediction Using Radial Basis Function Networks. , 2018, , .		4
869	Identification and computational characterization of isomers with <i>cis</i> and <i>trans</i> amide bonds in folate and its analogues. Physical Chemistry Chemical Physics, 2018, 20, 28818-28831.	1.3	4
870	Diagnostics of States of Technical Systems. , 2018, , .		0
871	Fault Diagnosis of Rolling Bearing Based on a Novel Adaptive High-Order Local Projection Denoising Method. Complexity, 2018, 2018, 1-15.	0.9	11
872	Chaos in Power Systems: Towards Short-term Voltage Stability Analysis. , 2018, , .		2
873	Psychophysical Characteristics of Patients with Depression and Anxious-Depressive Disorders. Neuroscience and Behavioral Physiology, 2018, 48, 983-989.	0.2	0
874	The chaotic long-term X-ray variability of 4U 1705–44. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5220-5237.	1.6	13
875	Nonlinear Characterization of ECG Signals for Automatic Arrhythmia Detection. , 2018, , .		1
876	Chatter identification in milling of Inconel 625 based on recurrence plot technique and Hilbert vibration decomposition. MATEC Web of Conferences, 2018, 148, 09003.	0.1	6
877	Predictability of Marine Population Trajectories Affected by Birth and Harvest Pulses. Springer Proceedings in Mathematics and Statistics, 2018, , 363-374.	0.1	0
878	Detection of unstable periodic orbits in mineralising geological systems. Chaos, 2018, 28, 085711.	1.0	16
879	Short-Term Load Forecasting Using a Novel Deep Learning Framework. Energies, 2018, 11, 1554.	1.6	15

#	Article	IF	CITATIONS
880	Natural time analysis: On the deadly Mexico M8.2 earthquake on 7 September 2017. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 625-634.	1.2	40
881	Matlab Code for Lyapunov Exponents of Fractional-Order Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850067.	0.7	125
882	Co-existence of stochastic and chaotic behaviour in the copper price time series. Resources Policy, 2018, 58, 295-302.	4.2	14
883	Atmospheric chaoticity and complexity from radio refractivity derived from Akure station. Advances in Space Research, 2018, 62, 1690-1701.	1.2	7
884	Correlation in brain networks at different time scale resolution. Chaos, 2018, 28, 063127.	1.0	10
885	Experimental Verification of Optimized Multiscroll Chaotic Oscillators Based on Irregular Saturated Functions. Complexity, 2018, 2018, 1-17.	0.9	15
886	Wavelength division multiplexing secure communication scheme based on an optically coupled phase chaos system and PM-to-IM conversion mechanism. Nonlinear Dynamics, 2018, 94, 1949-1959.	2.7	30
887	Cocaine-Induced Changes in Low-Dimensional Attractors of Local Field Potentials in Optogenetic Mice. Frontiers in Computational Neuroscience, 2018, 12, 2.	1.2	2
888	Gene Expression Programming Coupled with Unsupervised Learning: A Two-Stage Learning Process in Multi-Scale, Short-Term Water Demand Forecasts. Water (Switzerland), 2018, 10, 142.	1.2	24
889	Micro-scale, mid-scale, and macro-scale in global seismicity identified by empirical mode decomposition and their multifractal characteristics. Scientific Reports, 2018, 8, 9206.	1.6	33
890	Determining the embedding parameters governing long-term dynamics of copper prices. Chaos, Solitons and Fractals, 2018, 111, 186-197.	2.5	4
891	Prediction of concentrations of PM2.5 in downtown Quito using the chaos theory. AIP Conference Proceedings, 2018, , .	0.3	Ο
892	Reconstructing stochastic attractors from nanoscale experiments on a non-equilibrium reaction. Physical Chemistry Chemical Physics, 2018, 20, 21302-21312.	1.3	4
893	Comparison of Variations of TEC at Disturbed and Quiet Time Using Nonlinear Dynamics Tools. Journal of Geophysical Research: Space Physics, 2018, 123, 7740-7754.	0.8	3
894	Surrogate data for hypothesis testing of physical systems. Physics Reports, 2018, 748, 1-60.	10.3	272
895	Detection of traffic incidents using nonlinear time series analysis. Chaos, 2018, 28, 063108.	1.0	11
896	Ordinal Network Measures $\hat{a} \in \mathbb{C}^{n}$ Quantifying Determinism in Data. , 2018, , .		2
897	A reappraisal of the chaotic paradigm for energy commodity prices. Energy Economics, 2019, 82, 167-178.	5.6	16

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#	ARTICLE	IF	CITATIONS
898	Critical slowing down as an early warning signal for financial crises?. Empirical Economics, 2019, 57, 1201-1228.	1.5	49
899	Detection of self-organized criticality behavior in an electronic circuit designed to solve a third order non-linear ODE (NL-ODE) for a damped KdV equation. Chaos, 2019, 29, 083116.	1.0	0
900	Quantifying interdependence using the missing joint ordinal patterns. Chaos, 2019, 29, 073114.	1.0	2
901	Chaotic Behavior of Ionic Transportation Through Synthetic Ion Channels. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950107.	0.7	2
903	Recurrence network analysis of exoplanetary observables. Chaos, 2019, 29, 071105.	1.0	4
904	Deciphering Dynamical Nonlinearities in Short Time Series Using Recurrent Neural Networks. Scientific Reports, 2019, 9, 14158.	1.6	0
905	Network anomaly detection based on logistic regression of nonlinear chaotic invariants. Journal of Network and Computer Applications, 2019, 148, 102460.	5.8	21
906	Criterion for determining the optimal delay of attractor reconstruction using persistent homology. Nonlinear Theory and Its Applications IEICE, 2019, 10, 74-89.	0.4	1
907	Dopamine receptor antagonists effects on low-dimensional attractors of local field potentials in optogenetic mice. PLoS ONE, 2019, 14, e0223469.	1.1	1
909	A New Chaotic Oscillator—Properties, Analog Implementation, and Secure Communication Application. IEEE Access, 2019, 7, 7510-7521.	2.6	35
910	Quality Determination by Using Support Vector Machine in Gas Welding Applications. , 2019, , .		0
911	Decomposing time series into deterministic and stochastic influences: A survey. , 2019, 95, 102582.		22
912	Real-time multi-state classification of short-term voltage stability based on multivariate time series machine learning. International Journal of Electrical Power and Energy Systems, 2019, 108, 402-414.	3.3	41
913	SERS active substrates of gold nanoparticles embedded in the pool of 5-CB liquid crystal molecules organized in Langmuir–Reverse Schaefer films: A facile fabrication route to make the topological defects useful. Applied Surface Science, 2019, 484, 1263-1273.	3.1	9
914	Novel Unconventional-Active-Jamming Recognition Method for Wideband Radars Based on Visibility Graphs. Sensors, 2019, 19, 2344.	2.1	7
915	Exploring an experimental analog Chua's circuit. European Physical Journal B, 2019, 92, 1.	0.6	5
916	Estimation of entanglement in bipartite systems directly from tomograms. Quantum Information Processing, 2019, 18, 1.	1.0	9
917	Nonlinear Noise Reduction on TESS Simulated Data. Springer Proceedings in Complexity, 2019, , 123-133.	0.2	0

#	Article	IF	CITATIONS
918	Static and Dynamic Analysis of Osteoarthritic and Orthotic Human Knee. Journal of Bionic Engineering, 2019, 16, 514-525.	2.7	23
919	Stochastic Duffing equation in modelling of financial time series. International Journal of Dynamics and Control, 2019, 7, 1173-1194.	1.5	2
920	Revealing transitions in friction-excited vibrations by nonlinear time-series analysis. Nonlinear Dynamics, 2019, 98, 2613-2630.	2.7	18
921	Current-Starved Cross-Coupled CMOS Inverter Rings as Versatile Generators of Chaotic and Neural-Like Dynamics Over Multiple Frequency Decades. IEEE Access, 2019, 7, 54638-54657.	2.6	12
922	A fusion of principal component analysis and singular value decomposition based multivariate denoising algorithm for free induction decay transversal data. Review of Scientific Instruments, 2019, 90, 035116.	0.6	24
923	EEG alpha rhythm detection on a portable device. Biomedical Signal Processing and Control, 2019, 52, 97-102.	3.5	14
924	Granger-causality inference in the presence of gaps: An equidistant missing-data problem for non-synchronous recorded time series data. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 839-851.	1.2	6
925	Chaos in historical prices and volatilities with five-dimensional euclidean spaces. Chaos, Solitons and Fractals: X, 2019, 1, 100002.	1.0	8
927	The Climate System. , 2019, , 1-13.		0
928	Climate Variability. , 2019, , 14-26.		0
929	Climate Data Analysis. , 2019, , 27-47.		1
930	Climate Networks: Construction Methods and Analysis. , 2019, , 48-78.		0
931	Computational Tools for Network Analysis. , 2019, , 79-93.		0
932	Applications to Atmospheric Variability. , 2019, , 94-129.		0
933	Applications to Oceanic Variability. , 2019, , 130-160.		0
934	Climate Tipping Behavior. , 2019, , 161-197.		0
935	Network-Based Prediction. , 2019, , 198-215.		0
938	Dynamics Analysis of a New Fractional-Order Hopfield Neural Network with Delay and Its Generalized Projective Synchronization. Entropy, 2019, 21, 1.	1.1	159

#	Article	IF	CITATIONS
939	Application of Singular Spectrum Analysis for Investigating Chaos in Sea Surface Temperature. Pure and Applied Geophysics, 2019, 176, 3769-3786.	0.8	5
940	Interaction Force Fluctuations in Antigen–Antibody Biorecognition Studied by Atomic Force Spectroscopy. ACS Omega, 2019, 4, 3627-3634.	1.6	3
941	Heat transfer and flow transitions of a thermal plume generated by a heating element on the enclosure bottom wall. European Journal of Mechanics, B/Fluids, 2019, 77, 17-24.	1.2	8
942	PMU-based Online Monitoring of Short-term Voltage Stability using Lyapunov Exponents. IEEE Latin America Transactions, 2019, 17, 1578-1587.	1.2	4
943	Epileptic seizures regularities, revealed from encephalograms time series by nonlinear mechanics methods. Journal of Physics: Conference Series, 2019, 1400, 033011.	0.3	1
944	Chaos theory discloses triggers and drivers of plankton dynamics in stable environment. Scientific Reports, 2019, 9, 20351.	1.6	12
945	Bimodality and scaling in recurrence networks from ECG data. Europhysics Letters, 2019, 127, 60004.	0.7	5
946	Markov modeling via ordinal partitions: An alternative paradigm for network-based time-series analysis. Physical Review E, 2019, 100, 062307.	0.8	20
947	Connectivity Influences on Nonlinear Dynamics in Weakly-Synchronized Networks: Insights From Rössler Systems, Electronic Chaotic Oscillators, Model and Biological Neurons. IEEE Access, 2019, 7, 174793-174821.	2.6	17
948	Analytical representation of Gaussian processes in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="script">A<mml:mtext mathvariant="script">â^</mml:mtext><mml:mi mathvariant="script">1a^2<mml:mi< td=""><td>0.8</td><td>5</td></mml:mi<></mml:mi </mml:mi </mml:mrow></mml:math 	0.8	5
949	Generation of surrogate event sequences via joint distribution of successive inter-event intervals. Chaos, 2019, 29, 121102.	1.0	13
950	A New Recurrence-Network-Based Time Series Analysis Approach for Characterizing System Dynamics. Entropy, 2019, 21, 45.	1.1	7
951	Changes of dimension of EEG/ECoG nonlinear dynamics predict epileptogenesis and therapy outcomes. Neurobiology of Disease, 2019, 124, 373-378.	2.1	10
952	FANCFIS: Fast adaptive neuro-complex fuzzy inference system. International Journal of Approximate Reasoning, 2019, 105, 417-430.	1.9	11
953	Transition to chaos in the flow-induced vibration of a pitching–plunging airfoil at low Reynolds numbers: Ruelle–Takens–Newhouse scenario. International Journal of Non-Linear Mechanics, 2019, 109, 189-203.	1.4	14
954	Modulation of flexible filaments dynamics due to attachment angle relative to the flow. Experimental Thermal and Fluid Science, 2019, 102, 232-244.	1.5	7
955	Electric field dependence of dc conductivity in As2Te3 (in) thin films. Journal of Non-Crystalline Solids, 2019, 503-504, 13-19.	1.5	0
956	Data-Based Testing for Nonlinearity in Dynamical Systems: The Use of Surrogate Data. IEEE Transactions on Control Systems Technology, 2019, 27, 679-688.	3.2	5

#	Article	IF	CITATIONS
957	Fractal measures and nonlinear dynamics of overcontact binaries. Communications in Nonlinear Science and Numerical Simulation, 2020, 80, 104988.	1.7	2
958	A composite neural network that learns from multi-fidelity data: Application to function approximation and inverse PDE problems. Journal of Computational Physics, 2020, 401, 109020.	1.9	270
959	Complex Relationship Between Daily Partner Violence and Alcohol Use Among Violent Heterosexual Men. Journal of Interpersonal Violence, 2021, 36, 10912-10937.	1.3	7
960	Compressing Phase Space Detects State Changes in Nonlinear Dynamical Systems. Complexity, 2020, 2020, 1-6.	0.9	0
961	Multiscale permutation mutual information quantify the information interaction for traffic time series. Nonlinear Dynamics, 2020, 102, 1909-1923.	2.7	7
962	Chatter Detection in Milling of Carbon Fiber-Reinforced Composites by Improved Hilbert–Huang Transform and Recurrence Quantification Analysis. Materials, 2020, 13, 4105.	1.3	15
963	Time series and fractal analyses of wheezing: a novel approach. Physical and Engineering Sciences in Medicine, 2020, 43, 1339-1347.	1.3	15
964	Chaotic signals inside some tick-by-tick financial time series. Chaos, Solitons and Fractals, 2020, 137, 109852.	2.5	12
965	Chaotic time series analysis of meteorological parameters in some selected stations in Nigeria. Scientific African, 2020, 10, e00617.	0.7	3
966	Soot effected sample entropy minimization in nanofluid for thermal system design: A thermal lens study. Journal of Molecular Liquids, 2020, 318, 114038.	2.3	11
967	On the structure of time-delay embedding in linear models of non-linear dynamical systems. Chaos, 2020, 30, 073135.	1.0	33
969	Performance of Different Acoustic Measures to Discriminate Individuals With and Without Voice Disorders. Journal of Voice, 2022, 36, 487-498.	0.6	16
970	Complex variability of <i>Kepler</i> AGN revealed by recurrence analysis. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3418-3439.	1.6	6
971	Time-Series and Network Analysis in Quantum Dynamics: Comparison with Classical Dynamics. International Journal of Theoretical Physics, 2020, 59, 3476-3490.	0.5	1
972	The high forecasting complexity of stochastically perturbed periodic orbits limits the ability to distinguish them from chaos. Nonlinear Dynamics, 2020, 102, 697-712.	2.7	2
973	Generic Rotating-Frame-Based Approach to Chaos Generation in Nonlinear Micro- and Nanoelectromechanical System Resonators. Physical Review Letters, 2020, 125, 174301.	2.9	12
974	Behavioral and physiological correlates of kinetically tracking a chaotic target. PLoS ONE, 2020, 15, e0239471.	1.1	4
975	Functional advantages of Lévy walks emerging near a critical point. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24336-24344.	3.3	24

#	Article	IF	CITATIONS
976	Downscaling of sample entropy of nanofluids by carbon allotropes: A thermal lens study. Chaos, 2020, 30, 073116.	1.0	7
977	Experimental and numerical study of nonsmooth maximum bounce height changes in a bouncing ball system. Chaos, 2020, 30, 103111.	1.0	2
978	SpiSeMe: A multi-language package for spike train surrogate generation. Chaos, 2020, 30, 073120.	1.0	7
979	Bifurcations, time-series analysis of observables, and network properties in a tripartite quantum system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126565.	0.9	3
980	Parkinson's Disease Identification using KNN and ANN Algorithms based on Voice Disorder. , 2020, , .		23
981	Using entropy to assess dynamic behaviour of long-term copper price. Resources Policy, 2020, 66, 101597.	4.2	10
982	Numerical verification of a non-residual orthogonal term-by-term stabilized finite element formulation for incompressible convective flow problems. Computers and Mathematics With Applications, 2020, 80, 1009-1028.	1.4	12
983	FPAA-based implementation of fractional-order chaotic oscillators using first-order active filter blocks. Journal of Advanced Research, 2020, 25, 77-85.	4.4	56
984	A chaotic circuit based on a physical memristor. Chaos, Solitons and Fractals, 2020, 138, 109990.	2.5	68
985	Using curvature to select the time lag for delay reconstruction. Chaos, 2020, 30, 063143.	1.0	6
986	Chaos and periodicities in a climatic time series of the Iberian Margin. Chaos, 2020, 30, 063126.	1.0	2
987	Nonlinear analysis of solar wind parameters. Astrophysics and Space Science, 2020, 365, 1.	0.5	Ο
988	Recurrence Behavior Statistics of Blast Furnace Gas Sensor Data in Industrial Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5666-5676.	5.5	5
989	Chaotic Image Encryption Using Hopfield and Hindmarsh–Rose Neurons Implemented on FPGA. Sensors, 2020, 20, 1326.	2.1	55
990	Time series analysis of duty cycle induced randomness in thermal lens system. Optik, 2020, 212, 164720.	1.4	5
991	Fractal Dimensions of Networks. , 2020, , .		19
992	Distributed Sensing Via Inductively Coupled Single-Transistor Chaotic Oscillators: A New Approach and Its Experimental Proof-of-Concept. IEEE Access, 2020, 8, 36536-36555.	2.6	9
993	Characterizing the Dynamics of the Watt Governor System Under Harmonic Perturbation and Gaussian Noise. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030001.	0.7	7

#	Article	IF	CITATIONS
994	Correlating the non-linear time series and spectral properties of IGR J17091–3624: is it similar to GRS 1915+105?. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4033-4042.	1.6	1
995	Dynamic characteristic of Bitcoin cryptocurrency in the reconstruction scheme. Chaos, Solitons and Fractals, 2020, 134, 109692.	2.5	3
996	On a topological criterion to select a recurrence threshold. Chaos, 2020, 30, 013124.	1.0	9
997	How SERS responses of probe molecules depend on topographies of the substrates? A vis-Ã-vis exploration. Vibrational Spectroscopy, 2020, 107, 103031.	1.2	5
998	Identification of Dynamic Patterns of Epileptic Seizures in Children by Nonlinear Mechanics Methods. Technical Physics, 2020, 65, 485-491.	0.2	2
999	Nonlinear Dynamic Modeling of Urban Water Consumption Using Chaotic Approach (Case Study: City) Tj ETQq1	1 0,78431 1.2	.4 _. rgBT /Ove
1000	Solar cycle prediction. Living Reviews in Solar Physics, 2020, 17, 1.	7.8	145
1001	Temporal evolution of sample entropy in thermal lens system. Chaos, 2020, 30, 043113.	1.0	12
1002	Complex dynamics of a sheared nematic fluid. Journal of Physics Condensed Matter, 2020, 32, 134002.	0.7	2
1003	Is Perceived Need for Action Among Women in Violent Relationships Nonlinear and, If So, Why?. Journal of Interpersonal Violence, 2021, 36, 330-353.	1.3	6
1004	Characterization of daily rainfall variability in Hong Kong: A nonlinear dynamic perspective. International Journal of Climatology, 2021, 41, E2913.	1.5	11
1005	Dynamic Characterization of Wind Speed under Extreme Conditions by Recurrence-Based Techniques: Comparative Study. Journal of Aerospace Engineering, 2021, 34, 04020114.	0.8	9
1006	Optimization of the Kaplan-Yorke dimension in fractional-order chaotic oscillators by metaheuristics. Applied Mathematics and Computation, 2021, 394, 125831.	1.4	20
1007	Jensen–Shannon Divergence Based on Horizontal Visibility Graph for Complex Time Series. Fluctuation and Noise Letters, 2021, 20, 2150013.	1.0	2
1008	Surrogate Monte Carlo. SSRN Electronic Journal, 0, , .	0.4	0
1009	Calculation and Properties of the Correlation Dimension of Alkanes Based on Molecular Scattering Curves. Moscow University Chemistry Bulletin, 2021, 76, 21-26.	0.2	0
1010	Searching for signatures of chaos in γ-ray light curves of selected Fermi-LAT blazars. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2750-2756.	1.6	2
1011	Issues on Applying One- and Multi-Step Numerical Methods to Chaotic Oscillators for FPGA Implementation. Mathematics, 2021, 9, 151.	1.1	15

ARTICLE IF CITATIONS Nonlinear Analysis of Radial Evolution of Solar Wind in the Inner Heliosphere. Solar Physics, 2021, 1012 1.0 1 296, 1. Application of time-series regularity metrics to ion flux data from a population of pollen tubes. Communicative and Integrative Biology, 2021, 14, 51-54. 0.6 An Advanced LSTM Model for Optimal Scheduling in Smart Logistic Environment: E-Commerce Case. 1014 2.6 11 IEEE Access, 2021, 9, 126337-126356. Results Connected to Time Series Analysis and Machine Learning. Studies in Computational Intelligence, 2021, , 363-384. Unravelling the potential of phase portrait in the auscultation of mitral valve dysfunction. European 1016 1.2 5 Physical Journal Plus, 2021, 136, 1. An introduction to persistent homology for time series. Wiley Interdisciplinary Reviews: Computational Statistics, 2021, 13, e1548. 2.1 Analog-digital hybrid chaos-based long-haul coherent optical secure communication. Optics Letters, 1018 1.7 37 2021, 46, 1506. Thermal Lensing of Multi-walled Carbon Nanotube Solutions as Heat Transfer Nanofluids. ACS Applied 1019 2.4 16 Nano Materials, 2021, 4, 3416-3425. CEPS: An Open Access MATLAB Graphical User Interface (GUI) for the Analysis of Complexity and 1020 1.1 14 Entropy in Physiological Signals. Entropy, 2021, 23, 321. Gazing down increases standing and walking postural steadiness. Royal Society Open Science, 2021, 8, 1.1 201556. 1022 Classification of audio codecs with variable bit-rates using deep-learning methods., 2021, 110, 102952. 6 Investigation of chaotic features of surface wind speeds using recurrence analysis. Journal of Wind 1024 1.7 Engineering and Industrial Aerodynamics, 2021, 210, 104550 A tale of two rhythms: Locked clocks and chaos in biology. Cell Systems, 2021, 12, 291-303. 1025 2.9 29 Dynamic entropy of human blood. Scientific Reports, 2021, 11, 7587. 1.6 Unwrapping the phase portrait features of adventitious crackle for auscultation and classification: a 1027 0.7 8 machine learning approach. Journal of Biological Physics, 2021, 47, 103-115. Dynamic analysis of meteorological time series in Hong Kong: A nonlinear perspective. International 14 Journal of Climatology, 2021, 41, 4920-4932. LIGO series, dimension of embedding and Kolmogorov's complexity. Astronomy and Computing, 2021, 35, 1029 0.8 0 100465. Mathematical analysis of laboratory microbial experiments demonstrating deterministic chaotic dynamics. Biologia Futura, 2021, 72, 307-316.

#	Article	IF	CITATIONS
1031	Transient dynamics and multistability in two electrically interacting FitzHugh–Nagumo neurons. Chaos, 2021, 31, 053107.	1.0	13
1032	Synchronization of chaotic artificial neurons and its application to secure image transmission under MQTT for IoT protocol. Nonlinear Dynamics, 2021, 104, 4581-4600.	2.7	22
1033	Software to build dynamical systems models from time series with chaotic behavior. Journal of Physics: Conference Series, 2021, 1938, 012023.	0.3	0
1034	ordpy: A Python package for data analysis with permutation entropy and ordinal network methods. Chaos, 2021, 31, 063110.	1.0	27
1035	Differences and Reliability of Linear and Nonlinear Acoustic Measures as a Function of Vocal Intensity in Individuals With Voice Disorders. Journal of Voice, 2023, 37, 663-681.	0.6	5
1036	Complex network perspective on modelling chaotic systems via machine learning*. Chinese Physics B, 2021, 30, 060506.	0.7	4
1037	Deep learning-based energy management of a hybrid photovoltaic-reverse osmosis-pressure retarded osmosis system. Applied Energy, 2021, 293, 116959.	5.1	23
1038	A Phase-Shifting Based Human Gait Phase Estimation for Powered Transfemoral Prostheses. IEEE Robotics and Automation Letters, 2021, 6, 5113-5120.	3.3	28
1039	Granger-Causality Inference of the Existence of Unobserved Important Components in Network Analysis. Entropy, 2021, 23, 994.	1.1	0
1040	Volatile opinions and optimal control of vaccine awareness campaigns: chaotic behaviour of the forward-backward sweep algorithm vs. heuristic direct optimization. Communications in Nonlinear Science and Numerical Simulation, 2021, 98, 105768.	1.7	12
1041	Shooting solitaries due to small-world connectivity in leaky integrate-and-fire networks. Chaos, 2021, 31, 083129.	1.0	4
1042	Finding nonlinear system equations and complex network structures from data: A sparse optimization approach. Chaos, 2021, 31, 082101.	1.0	12
1043	Estimating the Highest Time-Step in Numerical Methods to Enhance the Optimization of Chaotic Oscillators. Mathematics, 2021, 9, 1938.	1.1	16
1044	Modernization of Scienttific Mathematics Formula In Technology. International Journal of Mathematics Trends and Technology, 2021, 67, 88-102.	0.0	0
1045	On using the modularity of recurrence network communities to detect change-point behaviour. Expert Systems With Applications, 2021, 176, 114837.	4.4	11
1046	Bichromatic synchronized chaos in driven coupled electro-optomechanical nanoresonators. Physical Review A, 2021, 104, .	1.0	7
1047	Hurst scaling with crossover of a drought indicator: a case study in Belem and Manaus, Brazil. Natural Hazards, 2022, 110, 69-93.	1.6	2
1048	THE EFFECT OF NOISE AND NONLINEAR NOISE REDUCTION METHODS ON THE FRACTAL DIMENSION OF CHAOTIC TIME SERIES. Fractals, 2021, 29, .	1.8	5

#	Article	IF	CITATIONS
1049	Matlab Code for Lyapunov Exponents of Fractional-Order Systems, Part II: The Noncommensurate Case. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150187.	0.7	8
1050	Multirhythmicity but no deterministic chaos in vibrating strings. Chaos, Solitons and Fractals, 2021, 150, 111206.	2.5	0
1051	FPGA Realization and Lyapunov–Krasovskii Analysis for a Master-Slave Synchronization Scheme Involving Chaotic Systems and Time-Delay Neural Networks. Mathematical Problems in Engineering, 2021, 2021, 1-17.	0.6	5
1052	Solving the chaos model-data paradox in the cryptocurrency market. Communications in Nonlinear Science and Numerical Simulation, 2021, 102, 105901.	1.7	12
1053	Improved short-term prediction of significant wave height by decomposing deterministic and stochastic components. Renewable Energy, 2021, 177, 743-758.	4.3	38
1054	Decoding the topographical features of more realistic SERS active substrates in presence of the probe molecules from statistical considerations: An in-depth study bridging Microscopy with Spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127319.	2.3	1
1055	Cross-correlated fractal components of H-wave amplitude fluctuations in medial gastrocnemius and soleus muscles. Neuroscience Letters, 2021, 765, 136264.	1.0	1
1056	Recurrence analysis of innovation behavior of bitcoin market agents in conditions of COVID-19. SHS Web of Conferences, 2021, 107, 01001.	0.1	0
1058	IDENTIFICATION OF COMPLEX PROCESSES BASED ON ANALYSIS OF PHASE SPACE STRUCTURES. , 2007, , 207-242.		6
1059	Cycle-to-Cycle Variability. , 2014, , 107-145.		1
1060	Nonlinear Forecasting of Noisy Financial Data. Studies in Computational Finance, 2002, , 455-465.	0.1	11
1061	Nonlinear Dynamics Simulations of Microbial Ecological Processes: Model, Diagnostic Parameters of Deterministic Chaos, and Sensitivity Analysis. Springer Proceedings in Mathematics and Statistics, 2018, , 437-465.	0.1	1
1062	Physical Basis of Vibrational Behaviour: Channel Properties, Noise and Excitation Signal Extraction. Animal Signals and Communication, 2019, , 53-78.	0.4	7
1063	Dynamical System Analysis and Forecasting of Deformation Produced by an Earthquake Fault. , 2004, , 2023-2051.		1
1064	Dynamical systems with time scale separation: averaging, stochastic modelling, and central limit theorems. , 2001, , 189-209.		3
1065	Temporal Validated Meta-Learning for Long-Term Forecasting of Chaotic Time Series Using Monte Carlo Cross-Validation. Studies in Computational Intelligence, 2014, , 353-367.	0.7	3
1066	Vibration Analysis in Cutting Materials. Understanding Complex Systems, 2015, , 279-290.	0.3	4
1067	The Early Phases of Epileptogenesis Induced by Status Epilepticus Are Characterized by Persistent Dynamical Regime of Intermittency Type. Springer Proceedings in Physics, 2016, , 185-208.	0.1	5

#	Article	IF	CITATIONS
1070	Least-Mean-Square Training of Cluster-Weighted Modeling. Lecture Notes in Computer Science, 2007, , 301-310.	1.0	4
1071	Biomedical Data Processing Using HHT: A Review. , 2009, , 335-352.		15
1072	Numerical Simulation of the Dynamics of a Periodically Forced Spherical Particle in a Quiescent Newtonian Fluid at Low Reynolds Numbers. Lecture Notes in Computer Science, 2009, , 591-600.	1.0	4
1073	Nonlinear Dynamics as a Tool for Revealing Synchronization and Ordering in Geophysical Time Series: Application to Caucasus Seismicity. GeoPlanet: Earth and Planetary Sciences, 2010, , 3-21.	0.2	3
1074	Earthquakes' Signatures in Dynamics of Water Level Variations in Boreholes. GeoPlanet: Earth and Planetary Sciences, 2010, , 287-303.	0.2	2
1075	Dynamical Changes Induced by Strong Electromagnetic Discharges in Earthquakes' Waiting Time Distribution at the Bishkek Test Area (Central Asia). GeoPlanet: Earth and Planetary Sciences, 2010, , 339-360.	0.2	2
1076	Measurement and Dynamical Analysis of Computer Performance Data. Lecture Notes in Computer Science, 2010, , 18-29.	1.0	8
1077	Predicting Computer Performance Dynamics. Lecture Notes in Computer Science, 2011, , 173-184.	1.0	4
1078	Experimental and Simulated Chaotic RLD Circuit Analysis with the Use of Lorenz Maps. , 2013, , 403-409.		1
1079	Non-parametric Short-Term Prediction of Ozone Concentration in Berlin: Preconditions and Justification. , 2002, , 527-536.		4
1080	An alternative bifurcation analysis of the Rose–Hindmarsh model. Chaos, Solitons and Fractals, 2005, 23, 1643-1649.	2.5	7
1082	Uncertain wind power forecasting using LSTMâ€based prediction interval. IET Renewable Power Generation, 2020, 14, 2657-2667.	1.7	39
1083	Chaotic and stochastic processes in the accretion flows of the black hole X-ray binaries revealed by recurrence analysis. Astronomy and Astrophysics, 2016, 586, A143.	2.1	26
1084	Period-doubling events in the light curve of RÂCygni: Evidence for chaotic behaviour. Astronomy and Astrophysics, 2002, 390, 585-596.	2.1	23
1085	Analysis of solar narrow band dm-spikes observed at 1420 and 2695ÂMHz. Astronomy and Astrophysics, 2003, 407, 1115-1125.	2.1	28
1086	Chasing chaos by improved identification of suitable embedding dimensions and lags. Chaos, 2020, 30, 123104.	1.0	4
1087	Response-Time Dynamics: Evidence for Linear and Low-Dimensional Nonlinear Structure in Human Choice Sequences. , 0, .		5
1088	Plasma plume oscillations during welding of thin metal sheets with a CW CO2laser. Journal Physics D: Applied Physics, 2001, 34, 189-199.	1.3	29

#	Article	IF	CITATIONS
1089	Evolution of Genuine Cross-Correlation Strength of Focal Onset Seizures. Journal of Clinical Neurophysiology, 2011, 28, 450-462.	0.9	19
1091	Qualitative dynamics of wave packets in turbulent jets. Physical Review Fluids, 2017, 2, .	1.0	31
1092	Transition to chaos in an acoustically driven cavity flow. Physical Review Fluids, 2019, 4, .	1.0	7
1093	Coexistence of multiple long-time solutions for two-dimensional laminar flow past a linearly sprung circular cylinder with a rotational nonlinear energy sink. Physical Review Fluids, 2019, 4, .	1.0	8
1094	Optimizing nonlinear projective noise reduction for the detection of planets in mean-motion resonances in transit light curves. , 2011, , .		6
1096	Simulation of Semi Dilute Suspensions of Slender Rods: A Test Case Journal of Chemical Engineering of Japan, 2002, 35, 744-752.	0.3	2
1097	Control of chaotic dynamics by magnetorheological damping of a pendulum vibration absorber. Structural Engineering and Mechanics, 2014, 51, 743-754.	1.0	2
1098	Significance of trends in gait dynamics. PLoS Computational Biology, 2020, 16, e1007180.	1.5	5
1099	Nonlinear Time Series Analysis of Nodulation Factor Induced Calcium Oscillations: Evidence for Deterministic Chaos?. PLoS ONE, 2009, 4, e6637.	1.1	18
1100	Scaling Behavior of Human Locomotor Activity Amplitude: Association with Bipolar Disorder. PLoS ONE, 2011, 6, e20650.	1.1	44
1101	Potential Mechanisms for Imperfect Synchronization in Parkinsonian Basal Ganglia. PLoS ONE, 2012, 7, e51530.	1.1	20
1102	Chaos and Robustness in a Single Family of Genetic Oscillatory Networks. PLoS ONE, 2014, 9, e90666.	1.1	5
1103	Wearing a Wetsuit Alters Upper Extremity Motion during Simulated Surfboard Paddling. PLoS ONE, 2015, 10, e0142325.	1.1	14
1104	Dynamics and complexity of body temperature in preterm infants nursed in incubators. PLoS ONE, 2017, 12, e0176670.	1.1	9
1105	Multifractal dynamics of activity data in bipolar disorder: Towards automated early warning of manic relapse. Fractal Geometry and Nonlinear Analysis in Medicine and Biology, 2016, 1, .	0.3	3
1106	Estimating Attractor Dimension on the Nonlinear Pendulum Time Series. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2001, 23, 427-439.	0.1	10
1107	Detecting nonlinear dynamics using BDS test and surrogate data in financial time series. Journal of Mathematics and System Science, 2019, 9, .	0.1	3
1108	Forecasting Durability and Cyclic Strength of Aluminum Alloy AA2219 Using Fractal Analysis of Acoustic Emission. KnE Materials Science, 2016, 1, 161.	0.1	2

# 1109	ARTICLE Measures of Analysis of Time Series (MATS): A <i>MATLAB</i> Toolkit for Computation of Multiple Measures on Time Series Data Bases. Journal of Statistical Software, 2010, 33, .	IF 1.8	Citations 65
1110	skedm: Empirical Dynamic Modeling. Journal of Open Source Software, 2017, 2, 207.	2.0	1
1111	Nonlinear analysis of braking delay dynamics for the progressive gears in variable operating conditions. Journal of Vibroengineering, 2016, 18, 4401-4408.	0.5	9
1112	Assessment of several nonlinear methods in forecasting suspended sediment concentration in streams. Hydrology Research, 2017, 48, 1240-1252.	1.1	19
1113	Preterm Birth Analysis Using Nonlinear Methods. Recent Patents on Biomedical Engineering, 2008, 1, 160-170.	0.5	6
1115	The paradox of the plankton: species competition and nutrient feedback sustain phytoplankton diversity. Marine Ecology - Progress Series, 2013, 490, 107-119.	0.9	11
1116	Synchronization between two Hele-Shaw Cells. Mathematical Biosciences and Engineering, 2004, 1, 339-346.	1.0	6
1117	A Complex-Valued Hopfield Neural Network. , 2009, , 79-103.		2
1118	Complex Dynamics in Intimate Partner Violence. Primary Care Companion To the Journal of Clinical Psychiatry, 2010, 12, .	0.6	11
1119	Implementation of Chaotic Analysis on River Discharge Time Series. Energy and Power Engineering, 2015, 07, 81-92.	0.5	7
1120	The Long-Range Memory and the Fractal Dimension: a Case Study for Alcântara. Journal of Aerospace Technology and Management, 2017, 9, 461-468.	0.3	7
1121	Streamflow dynamics at the Puget Sound, Washington: application of a surrogate data method. Nonlinear Processes in Geophysics, 2005, 12, 461-469.	0.6	6
1122	Testing the performance of three nonlinear methods of time seriesanalysis for prediction and downscaling of European daily temperatures. Nonlinear Processes in Geophysics, 2005, 12, 979-991.	0.6	22
1123	Dynamic characterization and predictability analysis of wind speed and wind power time series in Spain wind farm. Journal of Artificial Intelligence & Data Mining, 2016, 4, .	0.3	1
1124	Modeling the Stakeholder's Behavior on the Base of Online Inquiries about Tertiary. , 2021, , .		0
1125	Nonlinear Analysis of Heart Rate Variability. , 2001, , 387-395.		6
1126	Constrained Randomization of Time Series for Nonlinearity Tests. , 2001, , 219-232.		0
1127	Nonlinear Noise Reduction. Studies in Computational Finance, 2002, , 401-416.	0.1	0

#	Article	IF	CITATIONS
1128	Critical Reconsideration of Phase Space Embedding and Local Non-Parametric Prediction of Ozone Time Series. , 2002, , 513-524.		0
1129	Lost in Transition? Complexity in Organisational Behaviour – the Contributions of Systems Theories. Management Revue, 2004, 15, 481-509.	0.2	7
1131	ANALYSIS OF NONLINEARITIES IN NONVERBAL VOICES. KANSEI Engineering International, 2005, 5, 7-14.	0.2	2
1132	Identification of Nonlinear and Chaotic Behavior in Model-Scale Liquefied Natural Gas (LNG) Carrier Experimental Data. , 2005, , .		0
1133	Optimal Size of Time Window in Nonlinear Features for Voice Quality Measurement. Lecture Notes in Computer Science, 2006, , 206-218.	1.0	1
1135	Improved Estimation of Embedding Parameters of Nonlinear Time Series by Structural Learning of Neural Network with Fuzzy Regularizer. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 600-609.	0.5	0
1136	A Dynamical System and Neural Network Perspective of Karachi Stock Exchange. Communications in Computer and Information Science, 2008, , 88-99.	0.4	2
1137	Nonlinear Techniques for Signals Characterization. , 2009, , 1266-1272.		0
1138	Combinatorial Optimization by Amoeba-Based Neurocomputer with Chaotic Dynamics. Proceedings in Information and Communications Technology, 2009, , 1-15.	0.2	1
1140	Influence of strong electromagnetic discharges on the dynamics of earthquakes time distribution in the Bishkek test area (Central Asia). Annals of Geophysics, 2009, 49, .	0.5	3
1141	Parallel Implementations for Computing the False Nearest Neighbors Method. Atlantis Computational Intelligence Systems, 2010, , 57-93.	0.5	0
1142	Automated N-Step Univariate Time Series Forecasts with Bayesian Networks. Smart Innovation, Systems and Technologies, 2010, , 515-525.	0.5	Ο
1143	EXPERIMENTAL INVESTIGATION ON PARAMETERS FOR THE CONTROL OF DROPLETS DYNAMICS. World Scientific Series on Nonlinear Science, Series B, 2010, , 151-156.	0.2	0
1144	Analysis of the determinism of time-series extracted from social and biological systems. Iraqi Journal for Electrical and Electronic Engineering, 2010, 6, 180-185.	0.8	Ο
1145	Nonlinear Dynamical Analysis of Magnetic Resonance Spectroscopy Data. Lecture Notes in Computer Science, 2011, , 469-482.	1.0	1
1146	Quantifying the Dynamics of Central Systemic Degeneration in Schizophrenia. , 2011, , 187-217.		Ο
1147	Classification of the Action Surface EMG Signals Based on the Dirichlet Process Mixtures Method. Lecture Notes in Computer Science, 2011, , 212-220.	1.0	2
1148	High Performance Computing Applied to the False Nearest Neighbors Method: Box-Assisted and kd-Tree Approaches. Lecture Notes in Electrical Engineering, 2011, , 323-336.	0.3	0

#	Article	IF	CITATIONS
1149	ENSEMBLE MODEL PREDICTION., 2011, , 193-206.		0
1150	Modelling the Wind Speed Oscillation Dynamics. Communications in Computer and Information Science, 2012, , 311-318.	0.4	0
1152	Complex Price Dynamics in the Modified Kaldorian Model. Prague Economic Papers, 2013, 22, 358-384.	0.2	2
1155	Design procedure for info-communication system with the maximum throughput. Technology Audit and Production Reserves, 2013, 6, 32-34.	0.1	0
1156	Chaos in Nitrogen Dioxide Concentration Time Series and Its Prediction. Advances in Intelligent Systems and Computing, 2014, , 365-376.	0.5	3
1157	Konuşma Sesleri Steganalizine Gecikmeli Vektör Varyans Metodunu Kullanan Yeni Bir Yaklaşım. Uludağ University Journal of the Faculty of Engineering, 2014, 19, 27.	0.2	1
1158	Kamu İçborcuna Tahammü l Sınırı ve Kötü Denge: Borç Krizi İçin Ampirik Bir Model. UluslararasÅ Ve İdari İncelemeler Dergisi, 2014, 13, 133.	≒ İktisa 0.3	di O
1159	Calculation of the correlation dimension and entropy of EEG signals in cluster computing systems. Klinical Informatics and Telemedicine, 2014, 10, 10-20.	0.3	1
1161	Improving Chaotic Generator's Speed Performance for Secure Information Transmitting. International Journal of Chaotic Computing, 2014, 3, 45-52.	0.3	0
1162	New Chaos Analysis of Non-Linear Time Series with Moving Maximum Lyapunov Exponents. The Review of Laser Engineering, 2015, 43, 359.	0.0	0
1163	GÜNLÜK AKARSU AKIMLARININ KAOTİK ANALİZİNDE DALGACIK YAKLAŞIMININ UYGULAMASI. Journal of f Faculty of Engineering and Architecture of Gazi University, 2015, 30, .	the 0.3	1
1165	Prediction of NOX Concentration Time Series Using the Chaos Theory. Advances in Intelligent Systems and Computing, 2016, , 465-475.	0.5	1
1166	Forecasting Exchange Rates. , 2016, , 1864-1883.		0
1167	Chaos in Time Series of Sakarya River Daily Flow Rate. Journal of Applied Mathematics and Physics, 2016, 04, 1849-1858.	0.2	2
1168	Time Series from a Nonlinear Dynamical Systems Perspective. Bernstein Series in Computational Neuroscience, 2017, , 199-263.	0.0	0
1169	Nonlinear Local Projection Filter for Impedance Pneumography. IFMBE Proceedings, 2018, , 306-309.	0.2	3
1170	Visualization of Short-Term Heart Period Variability with Network Tools as a Method for Quantifying Autonomic Drive. , 2017, , 141-158.		0
1171	Nonlinearity in data with gaps: Application to ecological and meteorological datasets. , 2017, 1, 85-91.		1

#	Article	IF	CITATIONS
1172	Determining the minimum embedding dimension for state space reconstruction through recurrence networks. , 2017, 1, 43-49.		0
1173	Short-Term Load Forecasting Based on RBM and NARX Neural Network. Lecture Notes in Computer Science, 2018, , 193-203.	1.0	2
1175	Predictability of Indian Exchange Rates. The Journal of Prediction Markets, 2019, 12, 1-22.	0.1	0
1176	Characterization and Optimization of Fractional-Order Chaotic Systems. , 2020, , 75-91.		0
1177	Measurement and Analysis of Drillstring Dynamics. Information Fusion and Data Science, 2020, , 139-204.	0.3	0
1178	Nonlinear Dynamics of RRc Lyrae Stars. , 2020, , 243-251.		0
1179	EEG Synchronization—Parameters in Patients With Subcortical Arteriosclerotic Encephalopathy and Gait Disorder. Journal of Clinical Neurophysiology, 2021, 38, 331-339.	0.9	1
1180	Nowcasting ofÂCOVID-19 Confirmed Cases: Foundations, Trends, andÂChallenges. Studies in Systems, Decision and Control, 2022, , 1023-1064.	0.8	9
1181	Real-time RGB image encryption for IoT applications using enhanced sequences from chaotic maps. Chaos, Solitons and Fractals, 2021, 153, 111506.	2.5	49
1183	Multiplex recurrence networks from multi-lead ECG data. Chaos, 2020, 30, 123106.	1.0	5
1184	FRAMEWORK BASED SUPERVISED VOICE ACTIVITY DETECTION USING LINEAR AND NON-LINEAR FEATURES. Indian Journal of Computer Science and Engineering, 2020, 11, 935-942.	0.2	1
1185	Mathematical Analysis of Hymns for Meditation. International Journal of Mathematics Trends and Technology, 2020, 66, 1-9.	0.0	1
1186	Correlation Dimension. , 2020, , 177-194.		0
1187	Information Dimension. , 2020, , 279-303.		1
1188	Data Streams Are Time Series: Challenging Assumptions. Lecture Notes in Computer Science, 2020, , 529-543.	1.0	5
1189	Computing the Correlation Dimension. , 2020, , 195-219.		0
1192	Application of Empirical Mode Decomposition to Cardiorespiratory Synchronization. Understanding Complex Systems, 2009, , 167-181.	0.3	0
1193	Multifractal Analysis of Physiological Data: A Non-Subjective Approach. Understanding Complex Systems, 2009, , 21-32.	0.3	0

#	Article	IF	CITATIONS
1194	The Effect of Alcohol on Cortical Complexity in Healthy Subjects Measured by Approximate Entropy. , 2007, , 1091-1094.		0
1195	Prediction of Polysomnographic Measurements. , 2007, , 130-139.		1
1196	Q-parametric estimations for the turbulent characteristics of a thermodynamically inhomogeneous non-stationary optical path. , 2020, , .		0
1197	Fractional-Order Chaotic Systems with Hidden Attractors. Emergence, Complexity and Computation, 2021, , 199-238.	0.2	0
1198	Testing for nonlinearity in nonstationary time series: A network-based surrogate data test. Physical Review E, 2021, 104, 054217.	0.8	4
1199	Alternative Methods of the Largest Lyapunov Exponent Estimation with Applications to the Stability Analyses Based on the Dynamical Maps—Introduction to the Method. Materials, 2021, 14, 7197.	1.3	2
1200	Kalman observers in estimating the states of chaotic neurons for image encryption under MQTT for IoT protocol. European Physical Journal: Special Topics, 2022, 231, 945-962.	1.2	8
1201	Non-equilibrium phase transition at a critical point of human blood. Scientific Reports, 2021, 11, 22398.	1.6	10
1203	Classification of Audio Codecs with Variable Bit- Rates. , 2020, , .		0
1204	Multi-fidelity Data Aggregation using Convolutional Neural Networks. Computer Methods in Applied Mechanics and Engineering, 2022, 391, 114490.	3.4	13
1205	Enhancing the Recognition Task Performance of MEMS Resonator-Based Reservoir Computing System via Nonlinearity Tuning. Micromachines, 2022, 13, 317.	1.4	6
1206	Using Chaos Theory to Determine Average Prediction Times of Different Meteorological Variables: A Case Study in Sivas. International Journal of Advances in Engineering and Pure Sciences, 0, , .	0.2	0
1207	Prediction of Wind Speed by Using Chaotic Approach: A Case Study in Istanbul. International Journal of Environment and Geoinformatics, 2022, 9, 48-56.	0.5	1
1208	Toward automated extraction and characterization of scaling regions in dynamical systems. Chaos, 2021, 31, 123102.	1.0	4
1209	An Empirical Evaluation of Time-Series Feature Sets. , 2021, , .		7
1210	Analyzing the Variation of Lyapunov Exponents of the Time Derivatives of the Horizontal Geomagnetic Field during the Geomagnetic Storm. Geomagnetism and Aeronomy, 2021, 61, 1221-1233.	0.2	0
1211	Detecting chaos in lineage-trees: A deep learning approach. Physical Review Research, 2022, 4, .	1.3	2
1212	Dynamic characterization of wind pressure fluctuations in separated and reattaching flows. Advances in Structural Engineering, 2022, 25, 2001-2009.	1.2	3

ARTICLE IF CITATIONS # Intrinsic Low-Dimensional Nonlinear Manifold Structure of Radio Frequency Signals. IEEE 2.5 2 1214 Communications Letters, 2022, 26, 2185-2189. A New Impedance Sensor Based on Electronically Implemented Chaotic Coupled van der Pol and Damped Duffing Oscillators. Frontiers in Electronics, 2022, 3, . Seizure detection in EEG using dynamic system analysis., 2021,,. 0 1216 Velocity Variability and Performance in Backstroke in Elite and Good-Level Swimmers. International 1.2 Journal of Environmental Research and Public Health, 2022, 19, 6744. An Image Encryption Scheme Synchronizing Optimized Chaotic Systems Implemented on Raspberry Pis. 1218 1.1 15 Mathematics, 2022, 10, 1907. Chaotic dynamics in Turkish foreign exchange markets. Business & Management Studies: an International Journal, 2022, 10, 787-795. 0.1 Estimating Permutation Entropy Variability via Surrogate Time Series. Entropy, 2022, 24, 853. 1220 1.1 1 NoLiTiA: An Open-Source Toolbox for Non-linear Time Series Analysis. Frontiers in Neuroinformatics, 1991 1.3 0, 16, . Grouping in Singular Spectrum Analysis of Time Series. Journal of Hydrologic Engineering - ASCE, 2022, 1222 0.8 1 27, . The Visual Boundary Recurrence Plot: A Closer Look into the Dynamics of Recurrence Plots. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, . Hisse Senedi Piyasalarında Lineer-olmayan Dinamikler ve Düzensiz Örüntüler:BIST-100 ve S&P500 0.0 1224 0 Endeksleri KarÁŸÄ±laÅŸtırması. Sosyal Bilimler Aratrmalar Dergisi, 0, , . Quantifying chaos in stock markets before and during COVID-19 pandemic from the phase space 2.4 reconstruction. Mathematics and Computers in Simulation, 2022, 202, 480-499. Methods of Nonlinear Time Series Cycle Analysis in Big Data Environment and IoT Application. Wireless 1226 0.8 1 Communications and Mobile Computing, 2022, 2022, 1-8. Steps behaving badly: Nonlinear dynamics and a terrace-loading instability during solution growth of lysozyme crystals. Journal of Crystal Growth, 2022, 597, 126852. 0.7 Estimating Lyapunov exponents on a noisy environment by global and local Jacobian indirect 1228 2 1.4 algorithms. Applied Mathematics and Computation, 2023, 436, 127498. Sustaining Spin-Wave Oscillations Through Internal Feedback. SpringerBriefs in Applied Sciences and Technology, 2022, , 61-86. Spatial-Temporal Models. Mathematical Engineering, 2022, , 363-430. 1230 0.1 0 Political Signed Temporal Networks: A Deep Learning Approach. Axioms, 2022, 11, 464.

#	Article	IF	CITATIONS
1232	Detecting multiple-equilibria and chaos in oil prices and global commodity markets. International Journal of Research in Business and Social Science, 2022, 11, 350-361.	0.1	0
1233	Probing non-Markovian quantum dynamics with data-driven analysis: Beyond "black-box― machine-learning models. Physical Review Research, 2022, 4, .	1.3	8
1234	Richardson and Reynolds number effects on the near field of buoyant plumes: temporal variability and puffing. Journal of Fluid Mechanics, 2022, 950, .	1.4	5
1235	Stability analysis of planetary systems via second-order Rényi entropy. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
1237	A non-linear time series based artificial intelligence model to predict outcome in cardiac surgery. Health and Technology, 0, , .	2.1	2
1238	Collective excitations at non-equilibrium phase transition in metabolically active red blood cells. BioSystems, 2023, 223, 104804.	0.9	4
1239	Dynamics of the Mean Photon Number: Time Series and Network Analysis. SpringerBriefs in Physics, 2022, , 107-126.	0.2	0
1240	Stationarity in Partial Discharge Time Series of Electrical Trees. , 2022, , .		0
1241	Investigating non-linear and stochastic hard X-ray variability of active galactic nuclei using recurrence analysis. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4372-4390.	1.6	2
1242	Collective excitations of germinating pollen grains at critical points. Scientific Reports, 2023, 13, .	1.6	4
1243	Quest for Speech Enhancement Method in the Analysis of Pathological Voices. Circuits, Systems, and Signal Processing, 0, , .	1.2	0
1244	Improving the Process of Early-Warning Detection and Identifying the Most Affected Markets: Evidence from Subprime Mortgage Crisis and COVID-19 Outbreak—Application to American Stock Markets. Entropy, 2023, 25, 70.	1.1	1
1245	Formation of zoning plans with chaos theory approach: example of Elazığ City master plan at 1/5000 scale. , 2022, 7, 274-294.		0
1246	Real-time medical image encryption for H-IoT applications using improved sequences from chaotic maps. The Integration VLSI Journal, 2023, 90, 131-145.	1.3	9
1247	Computational assessment of hexadecane freezing by equilibrium atomistic molecular dynamics simulations. Journal of Colloid and Interface Science, 2023, 638, 743-757.	5.0	8
1248	Generalized Symbolic Dynamics Weighted Network Prediction of Chaotic Time Series. Smart Innovation, Systems and Technologies, 2023, , 103-108.	0.5	0
1249	Spontaneous chaos and extreme events in a solid-state laser with the transverse-mode-degenerate cavity configuration. Optics Letters, 2023, 48, 1308.	1.7	1
1250	Trunk stability in fatiguing frequency-dependent lifting activities. Gait and Posture, 2023, 102, 72-79.	0.6	2

ARTICLE IF CITATIONS # Spatio-temporal chaos and clustering induced by nonlocal information and vaccine hesitancy in the 1251 2.5 4 SIR epidemic model. Chaos, Solitons and Fractals, 2023, 170, 113339. Has machine learning over-promised in healthcare?. Artificial Intelligence in Medicine, 2023, 139, 102524. 3.8 Analysis of musical notes of flute: A recurrence-based phase space approach. Chinese Journal of 1253 2.0 0 Physics, 2023, 83, 113-122. Using scaling-region distributions to select embedding parameters. Physica D: Nonlinear Phenomena, 1254 2023, 446, 133674. Automatic feature extraction for online chatter monitoring under variable milling conditions. 1255 2.5 1 Measurement: Journal of the International Measurement Confederation, 2023, 210, 112558. An Example for Application of the Simple Equations Method for the Case of Use of Two Simple Equations. Springer Proceedings in Mathematics and Statistics, 2023, , 95-103. 0.1 Study ofÂtheÂGlobal Seismicity Using Natural Time Analysis. , 2023, , 239-291. 1260 0 Nonlinear Dynamics Used to Study the Influence of Treadmill Speed and Incline on the Human Hip Stability. Méchanisms and Machine Science, 2023, , 238-250. Recurrence Plots-Based Network Attack Classification Using CNN-Autoencoders. Lecture Notes in 1264 1.0 4 Computer Science, 2023, , 191-209.