Nobert Marwan

List of Publications by Year
in descending order

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218 papers	16,963 citations	28190 55 h-index	16605 123 g-index
273 all docs	273 docs citations	273 times ranked	10489 citing authors

#	Article	IF	Citations
1	What we talk about when we talk about seasonality â€“ A transdisciplinary review. Earth-Science Reviews, 2022, 225, 103843.	4.0	28
2	A complex network approach to study the extreme precipitation patterns in a river basin. Chaos, 2022, 32, 013113.	1.0	14
3	Recurrence-Based Synchronization Analysis of Weakly Coupled Bursting Neurons Under External ELF Fields. Entropy, 2022, 24, 235.	1.1	6
4	Sampling rate-corrected analysis of irregularly sampled time series. Physical Review E, 2022, 105, 024206.	0.8	6
5	Investigation into the coherence of flame intensity oscillations in a model multi-element rocket combustor using complex networks. Physics of Fluids, 2022, 34, .	1.6	9
6	Optimal state space reconstruction via Monte Carlo decision tree search. Nonlinear Dynamics, 2022, 108, 1525-1545.	2.7	9
7	Introduction-Time series analysis for Earth, climate and life interactions. Quaternary Science Reviews, 2022, 284, 107475.	1.4	0
8	Climate changeâ€“induced population pressure drives high rates of lethal violence in the Prehispanic central Andes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117556119.	3.3	16
9	A Complex Network-Based Broad Learning System for Detecting Driver Fatigue From EEG Signals. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5800-5808.	5.9	57
10	A unified and automated approach to attractor reconstruction. New Journal of Physics, 2021, 23, 033017.	1.2	26
11	Multiband Wavelet Age Modeling for a â^¼293Âm (â^¼600Âkyr) Sediment Core From Chew Bahir Basin, Southern Ethiopian Rift. Frontiers in Earth Science, 2021, 9, .	0.8	9
12	Complex systems approaches for Earth system data analysis. Journal of Physics Complexity, 2021, 2, 011001.	0.9	10
13	Suppression of thermoacoustic instability by targeting the hubs of the turbulent networks in a bluff body stabilized combustor. Journal of Fluid Mechanics, 2021, 916, .	1.4	22
14	Detection of dynamical regime transitions with lacunarity as a multiscale recurrence quantification measure. Nonlinear Dynamics, 2021, 104, 3955-3973.	2.7	14
15	Monsoon forced evolution of savanna and the spread of agro-pastoralism in peninsular India. Scientific Reports, 2021, 11, 9032.	1.6	15
16	Recurrence analysis of extreme event-like data. Nonlinear Processes in Geophysics, 2021, 28, 213-229.	0.6	15
17	Predicting the Amplitude of Thermoacoustic Instability Using Universal Scaling Behaviour. , 2021, , .		3
18	Predicting the Amplitude of Thermoacoustic Instability Using Universal Scaling Behavior. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	2

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19	Recurring types of variability and transitions in the â^¼4620 kyr record of climate change from the Chew Bahir basin, southern Ethiopia. Quaternary Science Reviews, 2021, 266, 106777.	1.4	18
20	Analysis of Olive Grove Destruction by Xylella fastidiosa Bacterium on the Land Surface Temperature in Salento Detected Using Satellite Images. Forests, 2021, 12, 1266.	0.9	5
21	Early-warning signals for Cenozoic climate transitions. Quaternary Science Reviews, 2021, 270, 107177.	1.4	11
22	Nonlinear time series analysis of palaeoclimate proxy records. Quaternary Science Reviews, 2021, 274, 107245.	1.4	10
23	Universality in spectral condensation. Scientific Reports, 2020, 10, 17405.	1.6	14
24	Editorial: Recurrence Analysis of Complex Systems Dynamics. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	0.7	0
25	Fingerprint of volcanic forcing on the ENSOâ€“Indian monsoon coupling. Science Advances, 2020, 6, .	4.7	39
26	Holocene climate forcings and lacustrine regime shifts in the Indian summer monsoon realm. Earth Surface Processes and Landforms, 2020, 45, 3842-3853.	1.2	12
27	An astronomically dated record of Earthâ€™s climate and its predictability over the last 66 million years. Science, 2020, 369, 1383-1387.	6.0	791
28	Frequency spectrum recurrence analysis. Scientific Reports, 2020, 10, 21241.	1.6	1
29	Optimal design of hydrometric station networks based on complex network analysis. Hydrology and Earth System Sciences, 2020, 24, 2235-2251.	1.9	31
30	Wavelet entropy-based evaluation of intrinsic predictability of time series. Chaos, 2020, 30, 033117.	1.0	40
31	Synchronization transition from chaos to limit cycle oscillations when a locally coupled chaotic oscillator grid is coupled globally to another chaotic oscillator. Chaos, 2020, 30, 033121.	1.0	15
32	Universality in the emergence of oscillatory instabilities in turbulent flows. Europhysics Letters, 2020, 129, 24004.	0.7	18
33	Recurrence analysis of slowâ€“fast systems. Chaos, 2020, 30, 063152.	1.0	12
34	Generalized Synchronization Between ENSO and Hydrological Variables in Colombia: A Recurrence Quantification Approach. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	0.7	16
35	Joint Trends in Flood Magnitudes and Spatial Extents Across Europe. Geophysical Research Letters, 2020, 47, e2020GL087464.	1.5	75
36	Recurrence Analysis of Vegetation Indices for Highlighting the Ecosystem Response to Drought Events: An Application to the Amazon Forest. Remote Sensing, 2020, 12, 907.	1.8	12

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37	Pacific climate reflected in Waipuna Cave drip water hydrochemistry. Hydrology and Earth System Sciences, 2020, 24, 3361-3380.	1.9	12
38	Nonlinear time series analysis by means of complex networks. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 010509.	0.2	2
39	On the emergence of large clusters of acoustic power sources at the onset of thermoacoustic instability in a turbulent combustor. Journal of Fluid Mechanics, 2019, 874, 455-482.	1.4	28
40	Disentangling the multi-scale effects of sea-surface temperatures on global precipitation: A coupled networks approach. Chaos, 2019, 29, 063116.	1.0	21
41	Unravelling the spatial diversity of Indian precipitation teleconnections via a non-linear multi-scale approach. Nonlinear Processes in Geophysics, 2019, 26, 251-266.	0.6	49
42	Wavelet analysis of precipitation extremes over India and teleconnections to climate indices. Stochastic Environmental Research and Risk Assessment, 2019, 33, 2053-2069.	1.9	48
43	Border effect corrections for diagonal line based recurrence quantification analysis measures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125977.	0.9	21
44	A network-based comparative study of extreme tropical and frontal storm rainfall over Japan. Climate Dynamics, 2019, 53, 521-532.	1.7	22
45	Network-based identification and characterization of teleconnections on different scales. Scientific Reports, 2019, 9, 8808.	1.6	48
46	Assessing Hydrograph Similarity and Rare Runoff Dynamics by Cross Recurrence Plots. Water Resources Research, 2019, 55, 4704-4726.	1.7	14
47	Perturbations and phase transitions in swarm optimization algorithms. Natural Computing, 2019, 18, 579-591.	1.8	6
48	Holocene interaction of maritime and continental climate in Central Europe: New speleothem evidence from Central Germany. Global and Planetary Change, 2019, 176, 144-161.	1.6	23
49	Mitigation of oscillatory instability in turbulent reactive flows: A novel approach using complex networks. Europhysics Letters, 2019, 128, 14003.	0.7	21
50	Analysis of the nonlinear dynamics of inter-cycle combustion variations in an ethanol fumigation-diesel dual-fuel engine. Nonlinear Dynamics, 2019, 95, 2555-2574.	2.7	25
51	Complex network approaches to nonlinear time series analysis. Physics Reports, 2019, 787, 1-97.	10.3	370
52	Unfolding Community Structure in Rainfall Network of Germany Using Complex Network-Based Approach. , 2019, , 179-193.		4
53	Classifying past climate change in the Chew Bahir basin, southern Ethiopia, using recurrence quantification analysis. Climate Dynamics, 2019, 53, 2557-2572.	1.7	33
54	In Search of Determinism-Sensitive Region to Avoid Artefacts in Recurrence Plots. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850007.	0.7	14

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55	Prediction of flow dynamics using point processes. Chaos, 2018, 28, 011101.	1.0	3
56	Multiplex recurrence networks. Physical Review E, 2018, 97, 012312.	0.8	39
57	Abrupt transitions in time series with uncertainties. Nature Communications, 2018, 9, 48.	5.8	52
58	Nonlinear interactions between the Amazon River basin and the Tropical North Atlantic at interannual timescales. Climate Dynamics, 2018, 50, 2951-2969.	1.7	35
59	Contrasting pattern of hydrological changes during the past two millennia from central and northern India: Regional climate difference or anthropogenic impact?. Global and Planetary Change, 2018, 161, 97-107.	1.6	10
60	Recurrence plot analysis of irregularly sampled data. Physical Review E, 2018, 98, .	0.8	29
61	Coupled interaction between unsteady flame dynamics and acoustic field in a turbulent combustor. Chaos, 2018, 28, 113111.	1.0	46
62	Wavelet-based multiscale similarity measure for complex networks. European Physical Journal B, 2018, 91, 1.	0.6	18
63	Change of influenza pandemics because of climate change: Complex network simulations. Revue D'Epidemiologie Et De Sante Publique, 2018, 66, S424.	0.3	5
64	Recurrence threshold selection for obtaining robust recurrence characteristics in different embedding dimensions. Chaos, 2018, 28, 085720.	1.0	58
65	Extended recurrence plot and quantification for noisy continuous dynamical systems. Chaos, 2018, 28, 085722.	1.0	16
66	Introduction to focus issue: Recurrence quantification analysis for understanding complex systems. Chaos, 2018, 28, .	1.0	26
67	A recurrence quantification analysis-based channel-frequency convolutional neural network for emotion recognition from EEG. Chaos, 2018, 28, 085724.	1.0	47
68	Quantifying the roles of single stations within homogeneous regions using complex network analysis. Journal of Hydrology, 2018, 563, 802-810.	2.3	43
69	On the emergence of critical regions at the onset of thermoacoustic instability in a turbulent combustor. Chaos, 2018, 28, 063125.	1.0	26
70	Investigating landscape phase transitions in Mediterranean rangelands by recurrence analysis. Landscape Ecology, 2018, 33, 1617-1631.	1.9	12
71	Complex networks for tracking extreme rainfall during typhoons. Chaos, 2018, 28, 075301.	1.0	28
72	Recurrence Quantification Analysis at work: Quasi-periodicity based interpretation of gait force profiles for patients with Parkinson disease. Scientific Reports, 2018, 8, 9102.	1.6	37

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73	A New Centennial Seaâ€Level Record for Antalya, Eastern Mediterranean. Journal of Geophysical Research: Oceans, 2018, 123, 4503-4517.	1.0	6
74	Phase Transitions in Swarm Optimization Algorithms. Lecture Notes in Computer Science, 2018, , 204-216.	1.0	3
75	A deforestation-induced tipping point for the South American monsoon system. Scientific Reports, 2017, 7, 41489.	1.6	103
76	Coping with dating errors in causality estimation. Europhysics Letters, 2017, 117, 10004.	0.7	7
77	PyRQAâ€”Conducting recurrence quantification analysis on very long time series efficiently. Computers and Geosciences, 2017, 104, 101-108.	2.0	31
78	Tropical rainfall over the last two millennia: evidence for a low-latitude hydrologic seesaw. Scientific Reports, 2017, 7, 45809.	1.6	48
79	Edge anisotropy and the geometric perspective on flow networks. Chaos, 2017, 27, 035802.	1.0	8
80	Extended generalized recurrence plot quantification of complex circular patterns. European Physical Journal B, 2017, 90, 1.	0.6	3
81	Mixed mode oscillations in presence of inverted fireball in an excitable DC glow discharge magnetized plasma. Physics of Plasmas, 2017, 24, .	0.7	6
82	Climatic and in-cave influences on Î´¹⁸O and Î´¹³C in a stalagmite from northeastern India through the last deglaciation. Quaternary Research, 2017, 88, 458-471.	1.0	32
83	A regime shift in the Sun-Climate connection with the end of the Medieval Climate Anomaly. Scientific Reports, 2017, 7, 11131.	1.6	6
84	Recurrence measure of conditional dependence and applications. Physical Review E, 2017, 95, 052206.	0.8	31
85	Climate impact on spreading of airborne infectious diseases. European Physical Journal: Special Topics, 2017, 226, 1845-1856.	1.2	10
86	Visualizing driving forces of spatially extended systems using the recurrence plot framework. European Physical Journal: Special Topics, 2017, 226, 3273-3285.	1.2	3
87	Multi-scale event synchronization analysis for unravelling climate processes: a wavelet-based approach. Nonlinear Processes in Geophysics, 2017, 24, 599-611.	0.6	41
88	Reconstructing multi-mode networks from multivariate time series. Europhysics Letters, 2017, 119, 50008.	0.7	12
89	Inferring interdependencies from short time series. , 2017, 1, 51-60.		2
90	Correlation Networks from Flows. The Case of Forced and Time-Dependent Advection-Diffusion Dynamics. PLoS ONE, 2016, 11, e0153703.	1.1	33

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91	Dynamic Patterns of Expertise: The Case of Orthopedic Medical Diagnosis. PLoS ONE, 2016, 11, e0158820.	1.1	6
92	Seeâ€“saw relationship of the Holocene East Asianâ€“Australian summer monsoon. Nature Communications, 2016, 7, 12929.	5.8	76
93	Hydrological and climatological controls on radiocarbon concentrations in a tropical stalagmite. Geochimica Et Cosmochimica Acta, 2016, 194, 233-252.	1.6	28
94	Time and Again:. Lecture Notes in Computer Science, 2016, , 258-262.	1.0	1
95	Analysis of the dynamic characteristics of combustion instabilities in a pre-mixed lean-burn natural gas engine. Applied Energy, 2016, 183, 746-759.	5.1	54
96	Investigation of complexity dynamics in a DC glow discharge magnetized plasma using recurrence quantification analysis. Physics of Plasmas, 2016, 23, .	0.7	6
97	Approximate Recurrence Quantification Analysis (aRQA) in Code of Best Practice. Springer Proceedings in Physics, 2016, , 113-136.	0.1	6
98	Non-linear time series analysis of precipitation events using regional climate networks for Germany. Climate Dynamics, 2016, 46, 1065-1074.	1.7	30
99	Evaluation of selected recurrence measures in discriminating pre-ictal and inter-ictal periods from epileptic EEG data. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1419-1425.	0.9	48
100	Spatiotemporal characteristics and synchronization of extreme rainfall in South America with focus on the Andes Mountain range. Climate Dynamics, 2016, 46, 601-617.	1.7	58
101	Torwards Visual Analytics for the Exploration of Large Sets of Time Series. Springer Proceedings in Physics, 2016, , 3-17.	0.1	6
102	Transformation-cost time-series method for analyzing irregularly sampled data. Physical Review E, 2015, 91, 062911.	0.8	27
103	Unified functional network and nonlinear time series analysis for complex systems science: The<tt>pyunicorn</tt>package. Chaos, 2015, 25, 113101.	1.0	84
104	Multiscale recurrence analysis of spatio-temporal data. Chaos, 2015, 25, 123111.	1.0	13
105	Scaling behaviour for recurrence-based measures at the edge of chaos. Europhysics Letters, 2015, 112, 10005.	0.7	5
106	Visual Analytics for Correlationâ€Based Comparison of Time Series Ensembles. Computer Graphics Forum, 2015, 34, 411-420.	1.8	23
107	Review: visual analytics of climate networks. Nonlinear Processes in Geophysics, 2015, 22, 545-570.	0.6	23
108	Non-linear regime shifts in Holocene Asian monsoon variability: potential impacts on cultural change and migratory patterns. Climate of the Past, 2015, 11, 709-741.	1.3	55

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109	Aerosol forcing of the position of the intertropical convergence zone since ad 1550. Nature Geoscience, 2015, 8, 195-200.	5.4	112
110	Extreme Rainfall of the South American Monsoon System: A Dataset Comparison Using Complex Networks. Journal of Climate, 2015, 28, 1031-1056.	1.2	45
111	How complex climate networks complement eigen techniques for the statistical analysis of climatological data. Climate Dynamics, 2015, 45, 2407-2424.	1.7	41
112	Analysing spatially extended high-dimensional dynamics by recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 894-900.	0.9	43
113	Cave ventilation and rainfall signals in dripwater in a monsoonal setting â€“ a monitoring study from NE India. Chemical Geology, 2015, 402, 111-124.	1.4	72
114	Approximation of diagonal line based measures in recurrence quantification analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 997-1011.	0.9	25
115	Complex network based techniques to identify extreme events and (sudden) transitions in spatio-temporal systems. Chaos, 2015, 25, 097609.	1.0	56
116	Climatic volatility, agricultural uncertainty, and the formation, consolidation and breakdown of preindustrial agrarian states. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140458.	1.6	30
117	Identifying causal gateways and mediators in complex spatio-temporal systems. Nature Communications, 2015, 6, 8502.	5.8	207
118	Propagation of Strong Rainfall Events from Southeastern South America to the Central Andes. Journal of Climate, 2015, 28, 7641-7658.	1.2	20
119	Teleconnections in Climate Networks: A Network-of-Networks Approach to Investigate the Influence of Sea Surface Temperature Variability on Monsoon Systems. , 2015, , 23-33.		8
120	Mathematical and Computational Foundations of Recurrence Quantifications. Understanding Complex Systems, 2015, , 3-43.	0.3	49
121	Topology and seasonal evolution of the network of extreme precipitation over the Indian subcontinent and Sri Lanka. Nonlinear Processes in Geophysics, 2014, 21, 901-917.	0.6	81
122	Long-term changes in the northâ€“south asymmetry of solar activity: a nonlinear dynamics characterization using visibility graphs. Nonlinear Processes in Geophysics, 2014, 21, 1113-1126.	0.6	57
123	Characterizing the evolution of climate networks. Nonlinear Processes in Geophysics, 2014, 21, 705-711.	0.6	21
124	Estimation of sedimentary proxy records together with associated uncertainty. Nonlinear Processes in Geophysics, 2014, 21, 1093-1111.	0.6	8
125	Finding recurrence networks' threshold adaptively for a specific time series. Nonlinear Processes in Geophysics, 2014, 21, 1085-1092.	0.6	58
126	Regional and inter-regional effects in evolving climate networks. Nonlinear Processes in Geophysics, 2014, 21, 451-462.	0.6	18

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127	Fluctuation of similarity to detect transitions between distinct dynamical regimes in short time series. Physical Review E, 2014, 89, 062908.	0.8	9
128	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
129	Entropy of weighted recurrence plots. Physical Review E, 2014, 90, 042919.	0.8	43
130	Dinner is ready! Studying the dynamics and semiotics of dinner. Semiotica, 2014, 2014, .	0.2	0
131	Prediction of extreme floods in the eastern Central Andes based on a complex networks approach. Nature Communications, 2014, 5, 5199.	5.8	197
132	The South American rainfall dipole: A complex network analysis of extreme events. Geophysical Research Letters, 2014, 41, 7397-7405.	1.5	94
133	Linking Holocene drying trends from Lonar Lake in monsoonal central India to North Atlantic cooling events. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 410, 164-178.	1.0	59
134	Networks from Flows - From Dynamics to Topology. Scientific Reports, 2014, 4, 4119.	1.6	58
135	Understanding the Interrelationship Between Commodity and Stock Indices Daily Movement Using ACE and Recurrence Analysis. Springer Proceedings in Mathematics and Statistics, 2014, , 211-230.	0.1	4
136	Fast Computation of Recurrences in Long Time Series. Springer Proceedings in Mathematics and Statistics, 2014, , 17-29.	0.1	8
137	Change in the Embedding Dimension as an Indicator of an Approaching Transition. PLoS ONE, 2014, 9, e101014.	1.1	3
138	Detection of coupling directions with intersystem recurrence networks. IEICE Proceeding Series, 2014, 1, 231-234.	0.0	1
139	Network of Networks and the Climate System. IEICE Proceeding Series, 2014, 1, 170-170.	0.0	0
140	Complex networks identify spatial patterns of extreme rainfall events of the South American Monsoon System. Geophysical Research Letters, 2013, 40, 4386-4392.	1.5	171
141	How do global temperature drivers influence each other?. European Physical Journal: Special Topics, 2013, 222, 861-873.	1.2	33
142	Multivariate recurrence network analysis for characterizing horizontal oil-water two-phase flow. Physical Review E, 2013, 88, 032910.	0.8	60
143	How basin stability complements the linear-stability paradigm. Nature Physics, 2013, 9, 89-92.	6.5	426
144	Recurrence plots 25 years later â€"Gaining confidence in dynamical transitions. Europhysics Letters, 2013, 101, 20007.	0.7	93

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145	Classifying healthy women and preeclamptic patients from cardiovascular data using recurrence and complex network methods. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 103-110.	1.4	21
146	Late Holocene Asian summer monsoon dynamics from small but complex networks of paleoclimate data. Climate Dynamics, 2013, 41, 3-19.	1.7	76
147	Recurrence networks from multivariate signals for uncovering dynamic transitions of horizontal oil-water stratified flows. Europhysics Letters, 2013, 103, 50004.	0.7	84
148	Classification of cardiovascular time series based on different coupling structures using recurrence networks analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110623.	1.6	25
149	Estimating coupling directions in the cardiorespiratory system using recurrence properties. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110624.	1.6	33
150	Geometric signature of complex synchronisation scenarios. Europhysics Letters, 2013, 102, 30007.	0.7	24
151	Correlating the Ancient Maya and Modern European Calendars with High-Precision AMS 14C Dating. Scientific Reports, 2013, 3, 1597.	1.6	21
152	An extended singular spectrum transformation (SST) for the investigation of Kenyan precipitation data. Nonlinear Processes in Geophysics, 2013, 20, 467-481.	0.6	10
153	TOCSY - Toolboxes for modelling of dynamical systems and time series. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	0
154	Reliability of Inference of Directed Climate Networks Using Conditional Mutual Information. Entropy, 2013, 15, 2023-2045.	1.1	107
155	Power-laws in recurrence networks from dynamical systems. Europhysics Letters, 2012, 98, 48001.	0.7	24
156	Complex Synchronization and Recurrence Analyses â€“ re such Nonlinear Techniques Useful for Brain Oscillation Studies?. Biomedizinische Technik, 2012, 57, .	0.9	0
157	QUANTIFYING CHANGES IN THE SPATIAL STRUCTURE OF TRABECULAR BONE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250027.	0.7	1
158	Boundary Effects in Network Measures of Spatially Embedded Networks. , 2012, , .		4
159	Dynamical regimes and transitions in Plio-Pleistocene Asian monsoon. Europhysics Letters, 2012, 97, 40009.	0.7	11
160	Development and Disintegration of Maya Political Systems in Response to Climate Change. Science, 2012, 338, 788-791.	6.0	421
161	Analysis of spatial and temporal extreme monsoonal rainfall over South Asia using complex networks. Climate Dynamics, 2012, 39, 971-987.	1.7	220
162	Distinguishing dynamics using recurrence-time statistics. Physical Review E, 2012, 85, 026217.	0.8	30

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163	Quantifying causal coupling strength: A lag-specific measure for multivariate time series related to transfer entropy. Physical Review E, 2012, 86, 061121.	0.8	114
164	Boundary effects in network measures of spatially embedded networks. Europhysics Letters, 2012, 100, 28002.	0.7	49
165	On interrelations of recurrences and connectivity trends between stock indices. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4364-4376.	1.2	27
166	Geometric detection of coupling directions by means of inter-system recurrence networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3504-3513.	0.9	87
167	COnstructing Proxy Records from Age models (COPRA). Climate of the Past, 2012, 8, 1765-1779.	1.3	171
168	Node-weighted measures for complex networks with spatially embedded, sampled, or differently sized nodes. European Physical Journal B, 2012, 85, 1.	0.6	58
169	RECURRENCE-BASED TIME SERIES ANALYSIS BY MEANS OF COMPLEX NETWORK METHODS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1019-1046.	0.7	350
170	Identification of dynamical transitions in marine palaeoclimate records by recurrence network analysis. Nonlinear Processes in Geophysics, 2011, 18, 545-562.	0.6	59
171	Comparison of correlation analysis techniques for irregularly sampled time series. Nonlinear Processes in Geophysics, 2011, 18, 389-404.	0.6	201
172	Investigating the topology of interacting networks. European Physical Journal B, 2011, 84, 635-651.	0.6	165
173	The geometry of chaotic dynamics â€" a complex network perspective. European Physical Journal B, 2011, 84, 653-672.	0.6	126
174	Long range nodeâ€strut analysis of trabecular bone microarchitecture. Medical Physics, 2011, 38, 5003-5011.	1.6	5
175	Nonlinear detection of paleoclimate-variability transitions possibly related to human evolution. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20422-20427.	3.3	208
176	Symbolic coupling traces for causality analysis of cardiovascular control. , 2011, 2011, 5935-8.		1
177	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
178	INFERRING INDIRECT COUPLING BY MEANS OF RECURRENCES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1099-1111.	0.7	37
179	HOW TO AVOID POTENTIAL PITFALLS IN RECURRENCE PLOT BASED DATA ANALYSIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1003-1017.	0.7	250
180	Ambiguities in recurrence-based complex network representations of time series. Physical Review E, 2010, 81, 015101.	0.8	113

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181	Spatial structures and directionalities in Monsoonal precipitation over South Asia. Nonlinear Processes in Geophysics, 2010, 17, 371-381.	0.6	71
182	An automated algorithm for the generation of dynamically reconstructed trajectories. Chaos, 2010, 20, 013107.	1.0	3
183	Recurrence networksâ€"a novel paradigm for nonlinear time series analysis. New Journal of Physics, 2010, 12, 033025.	1.2	489
184	Strong influence of water vapor source dynamics on stable isotopes in precipitation observed in Southern Meghalaya, NE India. Earth and Planetary Science Letters, 2010, 292, 212-220.	1.8	272
185	Identifying complex periodic windows in continuous-time dynamical systems using recurrence-based methods. Chaos, 2010, 20, 043130.	1.0	65
186	Long-term asymmetry in the wings of the butterfly diagram. Astronomy and Astrophysics, 2009, 503, 197-201.	2.1	53
187	Three-dimensional quantification of structures in trabecular bone using measures of complexity. Physical Review E, 2009, 79, 021903.	0.8	6
188	Detection of time-delayed interactions in biosignals using symbolic coupling traces. Europhysics Letters, 2009, 87, 10004.	0.7	47
189	Brain signal analysis based on recurrences. Journal of Physiology (Paris), 2009, 103, 315-323.	2.1	43
190	The complexity of adviceâ€giving. Complexity, 2009, 15, 28-30.	0.9	5
191	Comment on â€œStochastic analysis of recurrence plots with applications to the detection of deterministic signalsâ€•by Rohde etÂal. [Physica D 237 (2008) 619â€“629]. Physica D: Nonlinear Phenomena, 2009, 238, 1711-1715.	1.3	13
192	Confidence bounds of recurrence-based complexity measures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2245-2250.	0.9	46
193	Simpler methods do it better: Success of Recurrence Quantification Analysis as a general purpose data analysis tool. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3753-3756.	0.9	58
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