

Mosaic organization of DNA nucleotides

Physical Review E

49, 1685-1689

DOI: [10.1103/physreve.49.1685](https://doi.org/10.1103/physreve.49.1685)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Fractality of DNA Texts. Journal of Biomolecular Structure and Dynamics, 1994, 12, 655-669.	2.0	27
2	Statistical and linguistic features of noncoding DNA: A heterogeneous «Complex system». Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1994, 16, 1339-1356.	0.4	10
3	Statistical mechanics in biology: how ubiquitous are long-range correlations?. Physica A: Statistical Mechanics and Its Applications, 1994, 205, 214-253.	1.2	153
4	Understanding long-range correlations in DNA sequences. Physica D: Nonlinear Phenomena, 1994, 75, 392-416.	1.3	132
5	Correlation approach to identify coding regions in DNA sequences. Biophysical Journal, 1994, 67, 64-70.	0.2	174
6	Fractals in biology and medicine. , 1994, , 147-178.		9
7	Forces on the walls and stagnation zones in a hopper filled with granular material. Physica A: Statistical Mechanics and Its Applications, 1995, 213, 474-481.	1.2	36
8	Long-range correlations between letters and sentences in texts. Physica A: Statistical Mechanics and Its Applications, 1995, 215, 233-241.	1.2	74
9	Statistical properties of DNA sequences. Physica A: Statistical Mechanics and Its Applications, 1995, 221, 180-192.	1.2	124
10	Is walking a random walk? Evidence for long-range correlations in stride interval of human gait. Journal of Applied Physiology, 1995, 78, 349-358.	1.2	716
11	Universality in a DNA Statistical Structure. Physical Review Letters, 1995, 75, 168-171.	2.9	47
12	Correlations in binary sequences and a generalized Zipf analysis. Physical Review E, 1995, 52, 446-452.	0.8	67
13	Long-range correlation properties of coding and noncoding DNA sequences: GenBank analysis. Physical Review E, 1995, 51, 5084-5091.	0.8	526
14	STATISTICAL AND LINGUISTIC FEATURES OF DNA SEQUENCES. Fractals, 1995, 03, 269-284.	1.8	30
15	Characterizing Long-Range Correlations in DNA Sequences from Wavelet Analysis. Physical Review Letters, 1995, 74, 3293-3296.	2.9	341
16	Dynamical model for DNA sequences. Physical Review E, 1995, 52, 5281-5296.	0.8	74
17	Fractals in biology and medicine. Chaos, Solitons and Fractals, 1995, 6, 171-201.	2.5	111
18	Age-related alterations in the fractal scaling of cardiac interbeat interval dynamics. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1996, 271, R1078-R1084.	0.9	397

#	ARTICLE	IF	CITATIONS
19	Anomalous fluctuations in the dynamics of complex systems: from DNA and physiology to econophysics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 224, 302-321.	1.2	199
20	Scaling and universality in animate and inanimate systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 20-48.	1.2	42
21	Can analysis of word frequency distinguish between writings of different authors?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 705-711.	1.2	12
22	Analysis of daily temperature fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 393-396.	1.2	118
23	Wavelet based fractal analysis of DNA sequences. <i>Physica D: Nonlinear Phenomena</i> , 1996, 96, 291-320.	1.3	138
24	Application of information theory to DNA sequence analysis: A review. <i>Pattern Recognition</i> , 1996, 29, 1187-1194.	5.1	69
25	Pattern formation in sedimentary rocks: Connectivity, permeability, and spatial correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 233, 587-605.	1.2	25
26	Statistical and Linguistic Features of DNA Sequences. , 1996, , 219-234.		0
27	Long-range correlations in permeability fluctuations in porous rock. <i>Physical Review E</i> , 1996, 54, 3129-3134.	0.8	32
28	Compositional segmentation and long-range fractal correlations in DNA sequences. <i>Physical Review E</i> , 1996, 53, 5181-5189.	0.8	182
29	A growth model for DNA evolution. <i>Europhysics Letters</i> , 1996, 33, 409-414.	0.7	4
30	Language-like features in DNA: transposable element footprints in the genome. <i>Europhysics Letters</i> , 1996, 36, 391-396.	0.7	5
31	Scaling of propagating capillary fronts. <i>Europhysics Letters</i> , 1997, 38, 509-514.	0.7	13
32	Long-range interactions in sequences of human behavior. <i>Physical Review E</i> , 1997, 55, 3249-3256.	0.8	27
33	Quantification of DNA Patchiness Using Long-Range Correlation Measures. <i>Biophysical Journal</i> , 1997, 72, 866-875.	0.2	44
34	Novel pattern formation in granular matter. , 1997, , 319-333.		6
35	Evaluating scaled windowed variance methods for estimating the Hurst coefficient of time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 241, 606-626.	1.2	182
36	Correlations in economic time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 245, 437-440.	1.2	292

#	ARTICLE	IF	CITATIONS
38	Coherent and random sequences in financial fluctuations. Physica A: Statistical Mechanics and Its Applications, 1997, 246, 454-459.	1.2	156
39	Volatility distribution in the S&P500 stock index. Physica A: Statistical Mechanics and Its Applications, 1997, 245, 441-445.	1.2	193
40	Interpreting correlations in biosequences. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 449-459.	1.2	91
41	Multiple-time scales analysis of physiological time series under neural control. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 491-500.	1.2	61
42	Long-range correlation measures for quantifying patchiness: Deviations from uniform power-law scaling in genomic DNA. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 581-586.	1.2	24
43	Is the heart preadapted to hypoxia? Evidence from fractal dynamics of heartbeat interval fluctuations at high altitude (5,050 m). Integrative Psychological and Behavioral Science, 1998, 33, 9-40.	0.3	14
44	Predictability and nonlinearity of the heart rhythm. Chaos, Solitons and Fractals, 1998, 9, 507-515.	2.5	14
45	Analysis of DNA sequences using methods of statistical physics. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 430-438.	1.2	140
46	Dynamical Generators of Lévy Statistics in Biology. , 1998, , 17-29.		2
47	Indication of a Universal Persistence Law Governing Atmospheric Variability. Physical Review Letters, 1998, 81, 729-732.	2.9	599
48	Sequence Compositional Complexity of DNA through an Entropic Segmentation Method. Physical Review Letters, 1998, 80, 1344-1347.	2.9	82
49	Fractional Brownian motion as a nonstationary process: An alternative paradigm for DNA sequences. Physical Review E, 1998, 57, 4558-4567.	0.8	35
50	Characterizing self-similarity in bacteria DNA sequences. Physical Review E, 1998, 58, 3578-3584.	0.8	26
51	Analysis of the gate voltage fluctuations in ultra-thin gate oxides after soft breakdown. , 0, , .		10
52	Scale-invariant correlations in the biological and social sciences. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1373-1388.	0.6	10
53	Long-range power-law correlations in local daily temperature fluctuations. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1331-1340.	0.6	56
54	Fluctuations and their correlations in econophysics. , 1999, , 197-210.		2
55	Accurate assessment of the roughness exponent of a fracture surface via scanning tunnelling microscopy. Journal Physics D: Applied Physics, 1999, 32, 45-48.	1.3	14

#	ARTICLE	IF	CITATIONS
56	Scaling behavior in a proportional voting process. <i>Physical Review E</i> , 1999, 60, 1067-1068.	0.8	89
57	Econophysics: can physicists contribute to the science of economics?. <i>Computing in Science and Engineering</i> , 1999, 1, 74-77.	1.2	10
58	Low-order variability diagrams for short-range correlation evidence in financial data: BGL-USD exchange rate, Dow Jones industrial average, gold ounce price. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 265, 279-291.	1.2	27
59	Are the phases in the Anderson model long-range correlated?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 461-464.	1.2	38
60	The moving averages demystified. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 269, 170-176.	1.2	55
61	Detrended fluctuation analysis of time series of a firing fusimotor neuron. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 268, 275-282.	1.2	84
62	Econophysics: Can physicists contribute to the science of economics?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 269, 156-169.	1.2	143
63	Toward a phase diagram for stocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 270, 567-577.	1.2	9
64	Application of the detrended fluctuation analysis (DFA) method for describing cloud breaking. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 274, 349-354.	1.2	162
65	Application of statistical physics to heartbeat diagnosis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 274, 99-110.	1.2	102
66	Scaling features of noncoding DNA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 273, 1-18.	1.2	104
67	Estimating long-range dependence in the presence of periodicity: An empirical study. <i>Mathematical and Computer Modelling</i> , 1999, 29, 217-228.	2.0	122
68	Deriving dispersional and scaled windowed variance analyses using the correlation function of discrete fractional Gaussian noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 265, 85-96.	1.2	21
69	Statistical physics and physiology: Monofractal and multifractal approaches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 270, 309-324.	1.2	323
70	Nonlinear analysis of cardiac rhythm fluctuations using DFA method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 272, 235-244.	1.2	55
71	Scaling in nature: from DNA through heartbeats to weather. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 273, 46-69.	1.2	79
72	Scaling and criticality in a stochastic multi-agent model of a financial market. <i>Nature</i> , 1999, 397, 498-500.	13.7	1,263
73	Lead effects on the predictability of reproductive behavior in fathead minnows (<i>Pimephales</i>)	0.784314	10

#	ARTICLE	IF	CITATIONS
74	Sleep-wake differences in scaling behavior of the human heartbeat: Analysis of terrestrial and long-term space flight data. <i>Europhysics Letters</i> , 1999, 48, 594-600.	0.7	223
75	Statistical properties of the volatility of price fluctuations. <i>Physical Review E</i> , 1999, 60, 1390-1400.	0.8	631
76	Parallelism and CSE [computing in science and engineering]. <i>Computing in Science and Engineering</i> , 1999, 1, 68-69.	1.2	0
77	Non-Gaussian behavior and anticorrelations in ultrathin gate oxides after soft breakdown. <i>Applied Physics Letters</i> , 1999, 74, 1579-1581.	1.5	72
78	Sleep stage-dependent heart rate variability in patients with obstructive sleep apnea. , 0, , .		7
79	Electrical Capacitance Tomography Measurements of Gravity-Driven Granular Flows. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 621-630.	1.8	10
80	Modeling Soft Breakdown of Ultra-Thin Gate Oxide Layers. <i>Materials Research Society Symposia Proceedings</i> , 1999, 567, 307.	0.1	0
81	A new method to determine a fractal dimension of non-stationary biological time-serial data. <i>Computers in Biology and Medicine</i> , 2000, 30, 237-245.	3.9	15
82	Fractal Long-Range Correlations in Behavioural Sequences of Wild Chimpanzees: a Non-Invasive Analytical Tool for the Evaluation of Health. <i>Ethology</i> , 2000, 106, 105-116.	0.5	55
83	Introducing False EUR and False EUR exchange rates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 286, 353-366.	1.2	60
84	Exotic statistical physics: Applications to biology, medicine, and economics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 285, 1-17.	1.2	48
85	Scaling and correlation in financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 362-373.	1.2	123
86	Empirical evidence of long-range correlations in stock returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 396-404.	1.2	92
87	Quantifying fluctuations in economic systems by adapting methods of statistical physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 339-361.	1.2	24
88	What can be learnt from the analysis of short time series of ion channel recordings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 276, 376-390.	1.2	8
89	Fluctuation of biological rhythm in finger tapping. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 280, 582-586.	1.2	25
90	Charge transport in a dynamical system of interacting particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 278, 538-552.	1.2	0
91	Scale invariance in biophysics. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0

#	ARTICLE	IF	CITATIONS
92	LARGE SCALE-INVARIANT FLUCTUATIONS IN NORMAL BLOOD CELL COUNTS: A SIGN OF CRITICALITY?. Fractals, 2000, 08, 279-283.	1.8	9
93	Break-up of stratus cloud structure predicted from non-Brownian motion liquid water and brightness temperature fluctuations. Europhysics Letters, 2000, 52, 40-46.	0.7	49
94	Scale-invariant truncated Lévy process. Europhysics Letters, 2000, 52, 491-497.	0.7	51
95	Integrated approach to the assessment of long range correlation in time series data. Physical Review E, 2000, 61, 4991-5001.	0.8	175
96	Factorial Moments Analyses Show a Characteristic Length Scale in DNA Sequences. Physical Review Letters, 2000, 84, 1832-1835.	2.9	42
97	Power spectrum and detrended fluctuation analysis: Application to daily temperatures. Physical Review E, 2000, 62, 150-160.	0.8	338
98	Detrended fluctuation analysis of rainfall and streamflow time series. Journal of Geophysical Research, 2000, 105, 29165-29172.	3.3	144
99	Establishing the relation between detrended fluctuation analysis and power spectral density analysis for stochastic processes. Physical Review E, 2000, 62, 6103-6110.	0.8	213
100	PhysioNet: a research resource for studies of complex physiologic and biomedical signals. , 0, , .		32
101	Statistical properties of share volume traded in financial markets. Physical Review E, 2000, 62, R4493-R4496.	0.8	268
102	Correlated and Uncorrelated Regions in Heart-Rate Fluctuations during Sleep. Physical Review Letters, 2000, 85, 3736-3739.	2.9	495
103	Spectra and correlations of climate data from days to decades. Journal of Geophysical Research, 2001, 106, 20131-20144.	3.3	147
104	Quantifying and interpreting collective behavior in financial markets. Physical Review E, 2001, 64, 035106.	0.8	154
105	Effect of trends on detrended fluctuation analysis. Physical Review E, 2001, 64, 011114.	0.8	1,070
106	Statistical analysis of the DNA sequence of human chromosome 22. Physical Review E, 2001, 64, 041917.	0.8	53
107	Price fluctuations, market activity and trading volume. Quantitative Finance, 2001, 1, 262-269.	0.9	98
108	Stochastic origins of the long-range correlations of ionic current fluctuations in membrane channels. Physical Review E, 2001, 63, 051910.	0.8	53
109	Long-Range Temporal Correlations and Scaling Behavior in Human Brain Oscillations. Journal of Neuroscience, 2001, 21, 1370-1377.	1.7	937

#	ARTICLE	IF	CITATIONS
110	Scale-specific and scale-independent measures of heart rate variability as risk indicators. <i>Europhysics Letters</i> , 2001, 53, 709-715.	0.7	30
111	Tropical Convective Variability as 1/fNoise. <i>Journal of Climate</i> , 2001, 14, 3608-3616.	1.2	44
112	Wavelet analysis of discharge dynamics of fusimotor neurons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 291, 13-23.	1.2	16
113	On financial markets trading. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 289, 526-542.	1.2	18
114	Fractal characterization of the distribution of reactive sites over a rough catalyst surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 323-332.	1.2	7
115	Detecting long-range correlations with detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 441-454.	1.2	1,164
116	Long-range power-law correlations in stock returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 299, 521-527.	1.2	48
117	Price fluctuations and market activity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 299, 137-143.	1.2	34
118	Scaling features of texts, images and time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 300, 310-324.	1.2	17
119	Inhomogeneous scaling behaviors in Malaysian foreign currency exchange rates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 407-428.	1.2	72
120	Beauty of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 429-440.	1.2	2
121	When human walking becomes random walking: fractal analysis and modeling of gait rhythm fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 302, 138-147.	1.2	188
122	The Effect of Helicity Dissipation on the Critical State of an Avalanche Model for Solar Flares. <i>Solar Physics</i> , 2001, 199, 345-369.	1.0	4
123	Detrended fluctuation analysis of the soft breakdown current. <i>Microelectronic Engineering</i> , 2001, 59, 49-53.	1.1	1
124	Long-range correlations in human standing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 283, 124-128.	0.9	116
125	Multifractal analysis of DNA sequences using a novel chaos-game representation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 300, 271-284.	1.2	36
126	Scaling analysis of trends using DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 302, 234-243.	1.2	22
127	PhysioNet: a Web-based resource for the study of physiologic signals. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001, 20, 70-75.	1.1	319

#	ARTICLE	IF	CITATIONS
128	SIMPLE PATTERNS IN FLUCTUATIONS OF TIME SERIES OF ECONOMIC INTEREST. International Journal of Modern Physics C, 2001, 12, 1485-1495.	0.8	1
129	CORRELATIONS BETWEEN RECONSTRUCTED EUR EXCHANGE RATES VERSUS CHF, DKK, GBP, JPY AND USD. International Journal of Modern Physics C, 2001, 12, 169-195.	0.8	25
130	Long-range temporal anti-correlations in paddlefish electroreceptors. Europhysics Letters, 2001, 56, 454-460.	0.7	67
131	Power-law correlations in the southern-oscillation-index fluctuations characterizing ElNiño. Physical Review E, 2001, 63, 047201.	0.8	72
132	From 1/f noise to multifractal cascades in heartbeat dynamics. Chaos, 2001, 11, 641-652.	1.0	431
133	Magnitude and Sign Correlations in Heartbeat Fluctuations. Physical Review Letters, 2001, 86, 1900-1903.	2.9	361
134	Statistische Physik: Langzeitkorrelationen in der Natur: Von Klima, Erbgut und Herzrhythmus: Die Fluktuationsanalyse erlaubt es, Klimamodelle zu testen oder Schlafphasen zu untersuchen. Physik Journal, 2001, 57, 49-54.	0.1	14
135	Scaling detection in time series: Diffusion entropy analysis. Physical Review E, 2002, 66, 036130.	0.8	125
136	Quantification of heart rate variability by discrete nonstationary non-Markov stochastic processes. Physical Review E, 2002, 65, 046107.	0.8	48
137	Lack of Self-Averaging in Neutral Evolution of Proteins. Physical Review Letters, 2002, 89, 208101.	2.9	33
138	Global Climate Models Violate Scaling of the Observed Atmospheric Variability. Physical Review Letters, 2002, 89, 028501.	2.9	112
139	Segmentation of genomic DNA through entropic divergence: Power laws and scaling. Physical Review E, 2002, 65, 051909.	0.8	16
140	Multifractal analysis of DNA walks and trails. Physical Review E, 2002, 66, 061906.	0.8	39
141	Levy scaling: The diffusion entropy analysis applied to DNA sequences. Physical Review E, 2002, 66, 031906.	0.8	51
142	Correlation differences in heartbeat fluctuations during rest and exercise. Physical Review E, 2002, 66, 062902.	0.8	113
143	Diffusion entropy and waiting time statistics of hard-x-ray solar flares. Physical Review E, 2002, 65, 046203.	0.8	59
144	Stochastic modeling of daily temperature fluctuations. Physical Review E, 2002, 65, 051102.	0.8	67
145	Scaling properties of fluctuations in the human electroencephalogram. Physical Review E, 2002, 66, 021901.	0.8	124

#	ARTICLE	IF	CITATIONS
146	Characterization of sleep stages by correlations in the magnitude and sign of heartbeat increments. Physical Review E, 2002, 65, 051908.	0.8	161
147	DETRENDED FLUCTUATION ANALYSIS OF CHROMATIN TEXTURE FOR DIAGNOSIS IN BREAST CYTOLOGY. Fractals, 2002, 10, 19-25.	1.8	4
148	TIME DEPENDENT CORRELATIONS IN MARINE STRATOCUMULUS CLOUD BASE HEIGHT RECORDS. International Journal of Modern Physics C, 2002, 13, 217-227.	0.8	6
149	Lack of scaling in global climate models. Journal of Physics Condensed Matter, 2002, 14, 2275-2282.	0.7	15
150	Wavelet Based Multifractal Formalism: Applications to DNA Sequences, Satellite Images of the Cloud Structure, and Stock Market Data. , 2002, , 26-102.		65
151	Long memory in surface air temperature: detection, modeling, and application to weather derivative valuation. Climate Research, 2002, 21, 127-140.	0.4	94
152	Evaluating the Quality of Ground-Based Microwave Radiometer Measurements and Retrievals Using Detrended Fluctuation and Spectral Analysis Methods. Journal of Applied Meteorology and Climatology, 2002, 41, 56-68.	1.7	14
153	A SIMPLE MODEL OF PRICE FORMATION. International Journal of Modern Physics C, 2002, 13, 115-123.	0.8	81
154	Fractal Scaling of Heartrate Dynamics in Health and Disease. , 2002, , 181-193.		7
155	Different scaling behaviors of commodity spot and future prices. Physical Review E, 2002, 66, 045103.	0.8	60
156	Analysis of symbolic sequences using the Jensen-Shannon divergence. Physical Review E, 2002, 65, 041905.	0.8	227
157	Fractal characterization of complexity in temporal physiological signals. Physiological Measurement, 2002, 23, R1-R38.	1.2	505
158	Random matrix approach to cross correlations in financial data. Physical Review E, 2002, 65, 066126.	0.8	758
159	A novel approach to the estimation of the Hurst parameter in self-similar traffic. , 0, , .		32
160	Software evolution from a time-series perspective. , 0, , .		11
161	Fractal dynamics in physiology: Alterations with disease and aging. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2466-2472.	3.3	1,731
162	Long-range correlations in the electric signals that precede rupture. Physical Review E, 2002, 66, 011902.	0.8	301
163	Periodicity in prokaryotic and eukaryotic genomes identified by power spectrum analysis. Gene, 2002, 300, 203-211.	1.0	54

#	ARTICLE	IF	CITATIONS
164	Study of statistical correlations in DNA sequences. <i>Gene</i> , 2002, 300, 105-115.	1.0	79
165	Low-frequency variability in idealised GCM experiments with circumpolar and localised storm tracks. <i>Nonlinear Processes in Geophysics</i> , 2002, 9, 37-49.	0.6	6
166	Wavelet-based estimators of scaling behavior. <i>IEEE Transactions on Information Theory</i> , 2002, 48, 2938-2954.	1.5	90
167	Behavioral avoidance dynamics in the presence of a virtual spider. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2002, 6, 235-243.	3.6	42
168	A random walk down the genomes: DNA evolution in Valis. <i>Computer</i> , 2002, 35, 73-79.	1.2	7
169	Automatic stride interval extraction from long, highly variable and noisy gait timing signals. <i>Human Movement Science</i> , 2002, 21, 495-514.	0.6	16
170	A case study of stratus cloud base height multifractal fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 308, 518-532.	1.2	19
171	Estimating long-range dependence: finite sample properties and confidence intervals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 312, 285-299.	1.2	315
172	Stochastic processes with power-law stability and a crossover in power-law correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 153-159.	1.2	15
173	Beneficial randomness of signals in a neuronal circuit. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 43-52.	1.2	6
174	Multifractal detrended fluctuation analysis of nonstationary time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 87-114.	1.2	2,846
175	LÃ©vy statistics in coding and non-coding nucleotide sequences. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 299, 565-570.	0.9	17
176	The statistical properties of two-dimensional turbulent wake of a heated cylinder. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 311, 361-368.	1.2	0
177	MEI, SOI and mid-range correlations in the onset of El NiÃ±o Southern Oscillation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 310, 509-520.	1.2	8
178	Random magnets and correlations of stock price fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 762-767.	1.2	12
179	A stochastic model of human gait dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 662-670.	1.2	157
181	Heart rate variability analysis using correlation dimension and detrended fluctuation analysis. <i>IRBM News</i> , 2002, 23, 333-339.	0.1	77
182	Multifractal nature of stock exchange prices. <i>Computer Physics Communications</i> , 2002, 147, 582-585.	3.0	62

#	ARTICLE	IF	CITATIONS
183	Quantifying Fractal Dynamics of Human Respiration: Age and Gender Effects. <i>Annals of Biomedical Engineering</i> , 2002, 30, 683-692.	1.3	247
184	Effect of nonstationarities on detrended fluctuation analysis. <i>Physical Review E</i> , 2002, 65, 041107.	0.8	792
185	Detrended fluctuation analysis of UV degradation in a polyurethane coating. <i>Journal of Coatings Technology</i> , 2003, 75, 51-57.	0.7	4
186	Comparison of detrended fluctuation analysis and spectral analysis for heart rate variability in sleep and sleep apnea. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1143-1151.	2.5	400
187	Exploring the nonlinear dynamics of the brain. <i>Journal of Physiology (Paris)</i> , 2003, 97, 629-639.	2.1	19
188	Possible origin of the non-linear long-term autocorrelations within the Gaussian regime. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 177-188.	1.2	4
189	Detecting long-range correlations in time series of neuronal discharges. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 391-399.	1.2	20
190	A stochastic model of river discharge fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 283-290.	1.2	49
191	Low frequency current noise in 2.5 nm MOSFET and fractal dimension of soft breakdown. <i>Solid-State Electronics</i> , 2003, 47, 1451-1456.	0.8	4
192	Speculative markets and the effectiveness of price limits. <i>Journal of Economic Dynamics and Control</i> , 2003, 28, 493-508.	0.9	87
193	Principal component analysis of $1/f^{\pm}$ noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 314, 392-400.	0.9	53
194	Breathing during REM and non-REM sleep: correlated versus uncorrelated behaviour. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 319, 447-457.	1.2	58
195	Volatility in atmospheric temperature variability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 529-536.	1.2	26
196	Magnitude and sign scaling in power-law correlated time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 323, 19-41.	1.2	160
197	Long-range correlations and nonstationarity in the Brazilian stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 329, 231-248.	1.2	110
198	Shlomo Havlin " List of publications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 302-321.	1.2	1
199	Compression and diffusion: a joint approach to detect complexity. <i>Chaos, Solitons and Fractals</i> , 2003, 15, 517-535.	2.5	58
200	Effect of cardiac vagal outflow on complexity and fractal correlation properties of heart rate dynamics. <i>Autonomic and Autacoid Pharmacology</i> , 2003, 23, 173-179.	0.5	71

#	ARTICLE	IF	CITATIONS
201	Phase synchronization in temperature and precipitation records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 601-610.	1.2	45
202	Long-term persistence in the sea surface temperature fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 581-589.	1.2	129
203	Statistical physics and economic fluctuations: do outliers exist?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 279-292.	1.2	47
204	Time correlations and 1/f behavior in backscattering radar reflectivity measurements from cirrus cloud ice fluctuations. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	15
205	Long time memory in global warming simulations. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	100
206	Nonlinearity and multifractality of climate change in the past 420,000 years. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	141
207	Dimensional complexity and spectral properties of the human sleep EEG. <i>Clinical Neurophysiology</i> , 2003, 114, 199-209.	0.7	108
208	Attempt to distinguish electric signals of a dichotomous nature. <i>Physical Review E</i> , 2003, 68, 031106.	0.8	177
209	A wavelet-based method for multifractal image analysis: From theoretical concepts to experimental applications. <i>Advances in Imaging and Electron Physics</i> , 2003, 126, 1-92.	0.1	60
210	Long-range correlations in the electric signals that precede rupture: Further investigations. <i>Physical Review E</i> , 2003, 67, 021109.	0.8	184
211	Scaling properties and symmetrical patterns in the epidemiology of rotavirus infection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 1625-1641.	1.8	30
212	Fluctuation analysis of stellar x-ray binary systems. <i>Physical Review E</i> , 2003, 68, 041104.	0.8	43
213	Detecting scaling in the period dynamics of multimodal signals: Application to Parkinsonian tremor. <i>Physical Review E</i> , 2003, 67, 031903.	0.8	26
214	Comment on "Power-law correlations in the southern-oscillation-index fluctuations characterizing El Niño". <i>Physical Review E</i> , 2003, 67, 018201.	0.8	8
215	Conformation-dependent evolution of copolymer sequences. <i>Physical Review E</i> , 2003, 67, 051901.	0.8	34
216	Power-law persistence and trends in the atmosphere: A detailed study of long temperature records. <i>Physical Review E</i> , 2003, 68, 046133.	0.8	204
217	Nonlinear volatility of river flux fluctuations. <i>Physical Review E</i> , 2003, 67, 042101.	0.8	50
218	Scaling of Atmosphere and Ocean Temperature Correlations in Observations and Climate Models. <i>Physical Review Letters</i> , 2003, 90, 108501.	2.9	260

#	ARTICLE	IF	CITATIONS
219	Interpretation of scaling properties of electroencephalographic fluctuations via spectral analysis and underlying physiology. <i>Physical Review E</i> , 2003, 67, 032902.	0.8	40
220	Interpretation of heart rate variability via detrended fluctuation analysis and \hat{I}^2 filter. <i>Chaos</i> , 2003, 13, 467-475.	1.0	88
221	Long-memory analysis of time series with missing values. <i>Physical Review E</i> , 2003, 68, 017103.	0.8	21
222	FLUCTUATIONS, NOISE AND SCALING IN THE CARDIO-PULMONARY SYSTEM. <i>Fluctuation and Noise Letters</i> , 2003, 03, R1-R25.	1.0	31
223	Multifractal properties of price fluctuations of stocks and commodities. <i>Europhysics Letters</i> , 2003, 61, 422-428.	0.7	306
224	Modeling transient correlations in heartbeat dynamics during sleep. <i>Europhysics Letters</i> , 2003, 62, 147-153.	0.7	61
225	Scaling violations in coding DNA. <i>Europhysics Letters</i> , 2003, 62, 271-277.	0.7	3
226	Influence of a discontinuity on the spectral and fractal analysis of one-dimensional data. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 659-682.	0.6	5
227	Tempting long-memory - on the interpretation of DFA results. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 495-503.	0.6	167
228	Decreased Fractal Correlation in Diurnal Physical Activity in Chronic Fatigue Syndrome. <i>Methods of Information in Medicine</i> , 2004, 43, 26-29.	0.7	20
229	Spectral and multifractal study of electroseismic time series associated to the $M_w=6.5$ earthquake of 24 October 1993 in Mexico. <i>Natural Hazards and Earth System Sciences</i> , 2004, 4, 703-709.	1.5	31
230	Detrended fluctuation analysis: a suitable method for studying fetal heart rate variability?. <i>Physiological Measurement</i> , 2004, 25, 763-774.	1.2	22
231	Detrended fluctuation analysis as a statistical tool to monitor the climate. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2004, 2004, P07009.	0.9	13
232	Nonuniversal atmospheric persistence: Different scaling of daily minimum and maximum temperatures. <i>Physical Review E</i> , 2004, 69, 021110.	0.8	21
233	β -scaling in heart rate requires antagonistic autonomic control. <i>Physical Review E</i> , 2004, 70, 050901.	0.8	57
234	Separating Internal and External Dynamics of Complex Systems. <i>Physical Review Letters</i> , 2004, 93, 068701.	2.9	108
235	Solar turbulence in earth's global and regional temperature anomalies. <i>Physical Review E</i> , 2004, 69, 026303.	0.8	34
236	Common scaling patterns in intertrade times of U. S. stocks. <i>Physical Review E</i> , 2004, 69, 056107.	0.8	149

#	ARTICLE	IF	CITATIONS
237	Revealing antiphase-domain dynamics in alloys by combining advanced statistical techniques with x-ray photon correlation spectroscopy. <i>Physical Review B</i> , 2004, 69, .	1.1	17
238	COMPLEXITY, MULTIREOLUTION, NON-STATIONARITY AND ENTROPIC SCALING: TEEN BIRTH THERMODYNAMICS. <i>Journal of Mathematical Sociology</i> , 2004, 28, 229-259.	0.6	2
239	Analysis of clusters formed by the moving average of a long-range correlated time series. <i>Physical Review E</i> , 2004, 69, 026105.	0.8	142
240	Evidence of Crossover Phenomena in Wind-Speed Data. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004, 51, 2255-2262.	0.1	72
241	Extraction of backgrounds in fluctuating systems. <i>Physical Review E</i> , 2004, 69, 031108.	0.8	2
242	Coupled oscillator systems of cultured cardiac myocytes: Fluctuation and scaling properties. <i>Physical Review E</i> , 2004, 70, 021904.	0.8	20
243	Fractal rock slope dynamics anticipating a collapse. <i>Physical Review E</i> , 2004, 70, 036212.	0.8	9
244	Multiscaling Comparative Analysis of Time Series and a Discussion on "Earthquake Conversations" in California. <i>Physical Review Letters</i> , 2004, 92, 138501.	2.9	66
245	Statistical investigation of transport barrier effects produced by biasing in a nonfusion magnetoplasma. <i>Physics of Plasmas</i> , 2004, 11, 4564-4572.	0.7	9
246	Detrended fluctuation analysis of genome-wide copy number profiles of glioblastomas using array-based comparative genomic hybridization. <i>Neuro-Oncology</i> , 2004, 6, 281-289.	0.6	23
247	Nonlinear analyses of cell proliferation in the central nervous system reveal stochastic and deterministic components. , 2004, 2004, 857-60.		0
248	Long-term correlations and multifractality in surface wind speed. <i>Europhysics Letters</i> , 2004, 68, 184-190.	0.7	61
249	Endogenous circadian rhythm in an index of cardiac vulnerability independent of changes in behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18223-18227.	3.3	132
250	A STOCHASTIC MODEL FOR MULTIFRACTAL BEHAVIOR OF STOCK PRICES. <i>International Journal of Modern Physics B</i> , 2004, 18, 681-689.	1.0	5
251	Can One Detect Sleep Stage Transitions for On-Line Sleep Scoring by Monitoring the Heart Rate Variability?. Sind Schlafstadienwechsel durch eine on-line Analyse der Herzschlagvariabilität erkennbar?. <i>Somnologie</i> , 2004, 8, 33-41.	0.9	28
252	A phase-resolved XMM-Newton campaign on the colliding-wind binary HD 152248. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 809-828.	1.6	49
253	Complexity of behavioural sequences and their relation to stress conditions in chickens (<i>Gallus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 100 Science, 2004, 86, 93-104.	0.8	75
254	Wavelet Analysis of DNA Bending Profiles reveals Structural Constraints on the Evolution of Genomic Sequences. <i>Journal of Biological Physics</i> , 2004, 30, 33-81.	0.7	30

#	ARTICLE	IF	CITATIONS
255	Variations in landscape patterns and vegetation cover between 1957 and 1994 in a semiarid Mediterranean ecosystem. <i>Landscape Ecology</i> , 2004, 19, 545-561.	1.9	79
256	Rescaled range analysis and detrended fluctuation analysis study of cast irons ultrasonic backscattered signals. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 55-60.	2.5	32
257	Describing some properties of adenylat kinase using fractal concepts. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 141-145.	2.5	10
258	An intensity-expansion method to treat non-stationary time series: an application to the distance between prime numbers. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 119-125.	2.5	8
259	In the search for the low-complexity sequences in prokaryotic and eukaryotic genomes: how to derive a coherent picture from global and local entropy measures. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 127-137.	2.5	9
260	Fractal rigidity in migraine. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 165-170.	2.5	13
261	Multiresolution diffusion entropy analysis of time series: an application to births to teenagers in Texas. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 179-185.	2.5	4
262	Computer modeling of radical copolymerization under unusual conditions. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5339-5353.	2.5	34
263	Research on the fractal structure in the Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 333, 293-305.	1.2	26
264	Scaling in non-stationary time series. (II). Teen birth phenomenon. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 336, 623-637.	1.2	7
265	Scaling in non-stationary time series. (I). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 336, 595-622.	1.2	11
266	Variance fluctuations in nonstationary time series: a comparative study of music genres. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 336, 585-594.	1.2	54
267	Detrended fluctuation analysis of IP-network traffic using a two-dimensional topology map. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 337, 664-678.	1.2	4
268	Complex dynamics of the biological rhythms: gallbladder and heart cases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 277-281.	1.2	5
269	Statistical analysis of the distribution of amino acids in <i>Borrelia burgdorferi</i> genome under different genetic codes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 288-293.	1.2	4
270	Multifractal model of asset returns with leverage effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 343, 603-622.	1.2	46
271	Statistical analysis of gene and intergenic DNA sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 623-638.	1.2	8
272	ARCH and GARCH approaches to modeling high-frequency financial data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 216-220.	1.2	19

#	ARTICLE	IF	CITATIONS
273	Remarks on the possible universal mechanism of the non-linear long-term autocorrelations in financial time-series. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 244-251.	1.2	6
274	Time-dependent Hurst exponent in financial time series. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 267-271.	1.2	334
275	Simulating the time series of a selected gene expression profile in an agent-based tumor model. Physica D: Nonlinear Phenomena, 2004, 196, 193-204.	1.3	24
276	Fluctuation dynamics in geoelectrical data: an investigation by using multifractal detrended fluctuation analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 332, 398-404.	0.9	61
277	The Hurst exponent over time: testing the assertion that emerging markets are becoming more efficient. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 521-537.	1.2	330
278	Can one make any crash prediction in finance using the local Hurst exponent idea?. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 133-145.	1.2	220
279	Non-random fluctuations and multi-scale dynamics regulation of human activity. Physica A: Statistical Mechanics and Its Applications, 2004, 337, 307-318.	1.2	146
280	Studying long-range correlations in a liquid-vapor-phase transition. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 322-328.	1.2	35
281	Stroke detection based on the scaling properties of human EEG. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 246-254.	1.2	13
282	Evidence of long range dependence in Asian equity markets: the role of liquidity and market restrictions. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 656-664.	1.2	155
283	An econophysics approach to the Portuguese Stock Index-PSI-20. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 665-676.	1.2	14
284	Discrimination of VF and VT with method of detrended fluctuation analysis. , 0, , .		2
285	Estimating the Hurst Index of a Self-Similar Process via the Crossing Tree. IEEE Signal Processing Letters, 2004, 11, 416-419.	2.1	21
286	Complex systems and the technology of variability analysis. Critical Care, 2004, 8, R367-84.	2.5	335
287	Volcanic forcing improves Atmosphere-Ocean Coupled General Circulation Model scaling performance. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	44
288	Stochastic Models That Separate Fractal Dimension and the Hurst Effect. SIAM Review, 2004, 46, 269-282.	4.2	345
289	Three-base periodicity patterns and self-similarity in whole bacterial chromosomes. Biochemical and Biophysical Research Communications, 2004, 325, 467-478.	1.0	17
290	Non-linear Analyses of Cell proliferation in the central nervous system reveal stochastic and deterministic components. , 2004, 2004, 2718-21.		3

#	ARTICLE	IF	CITATIONS
291	Power law temporal auto-correlations in day-long records of human physical activity and their alteration with disease. Europhysics Letters, 2004, 66, 448-454.	0.7	14
292	Autoregressive Modeling and Feature Analysis of DNA Sequences. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	83
293	Modern Computational Techniques for Environmental Data; Application to the Global Ozone Layer. Lecture Notes in Computer Science, 2005, , 504-510.	1.0	60
294	A non-parametric test for self-similarity and stationarity in network traffic. , 2005, , 219-234.		1
295	Nonrandom Variability of Respiration During Sleep in Healthy Humans. Sleep, 2005, 28, 411-417.	0.6	58
296	Multifractal fluctuations in earthquake-related geoelectrical signals. New Journal of Physics, 2005, 7, 214-214.	1.2	67
297	Multifractality in the stock market: price increments versus waiting times. Physica A: Statistical Mechanics and Its Applications, 2005, 347, 626-638.	1.2	130
298	Long-time correlations of sea-level and local atmospheric pressure fluctuations at Trieste. Physica A: Statistical Mechanics and Its Applications, 2005, 347, 695-703.	1.2	24
299	A new method for change-point detection developed for on-line analysis of the heart beat variability during sleep. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 582-596.	1.2	59
300	Universal persistence in astrophysical sources. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 452-458.	1.2	17
301	Components of multifractality in high-frequency stock returns. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 466-474.	1.2	124
302	Multifractal fluctuations in seismic interspike series. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 629-640.	1.2	74
303	Self-organizing criticality and the method of automatic search of critical points. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 337, 279-284.	0.9	5
304	Statistical properties of trading volume depending on size. Physica A: Statistical Mechanics and Its Applications, 2005, 346, 518-528.	1.2	8
305	Detrended fluctuation analysis of the neutronic power from a nuclear reactor. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 227-240.	1.2	8
306	Statistical properties of DNA sequences revisited: the role of inverse bilateral symmetry in bacterial chromosomes. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 477-498.	1.2	7
307	Anti-deterministic behaviour of discrete systems that are less predictable than noise. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 189-198.	1.2	3
308	Minimizing the effect of trends on detrended fluctuation analysis of long-range correlated noise. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 182-198.	1.2	37

#	ARTICLE	IF	CITATIONS
309	Detrending fluctuation analysis based on moving average filtering. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 199-219.	1.2	107
310	Application of multifractal measures to Tehran price index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 356, 609-627.	1.2	75
311	A maximum likelihood estimator for long-range persistence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 355, 619-632.	1.2	2
312	Statistical analysis of fluctuations in the ECG morphology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 415-431.	1.2	23
313	Correlations in the Bak-Sneppen model from detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 357, 455-465.	1.2	12
314	Fourier-detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 357, 447-454.	1.2	79
315	Long correlations and truncated Levy walks applied to the study Latin-American market indices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 355, 461-474.	1.2	21
316	Characterization of failure mechanism in composite materials through fractal analysis of acoustic emission signals. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 481-494.	2.5	18
317	Identification of development and autonomic nerve activity from heart rate variability in preterm infants. <i>BioSystems</i> , 2005, 79, 117-124.	0.9	36
318	Scaling behaviors of CG clusters for chromosomes. <i>Chaos, Solitons and Fractals</i> , 2005, 25, 339-346.	2.5	5
319	Minimizing the effect of periodic and quasi-periodic trends in detrended fluctuation analysis. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 777-784.	2.5	35
320	Provenance of correlations in psychological data. <i>Psychonomic Bulletin and Review</i> , 2005, 12, 409-441.	1.4	111
321	Scaling properties of air pollution in Athens, Greece and Baltimore, Maryland. <i>Atmospheric Environment</i> , 2005, 39, 4041-4047.	1.9	194
322	GPS analysis of human locomotion: Further evidence for long-range correlations in stride-to-stride fluctuations of gait parameters. <i>Human Movement Science</i> , 2005, 24, 97-115.	0.6	110
323	Genomes are covered with ubiquitous 11 bp periodic patterns, the "class A flexible patterns". <i>BMC Bioinformatics</i> , 2005, 6, 206.	1.2	12
324	Multiscaling comparative analysis of time series and geophysical phenomena. <i>Complexity</i> , 2005, 10, 51-56.	0.9	25
325	Multifractal and Chaotic Analysis of Vrancea (Romania) Intermediate-depth Earthquakes: Investigation of the Temporal Distribution of Events. <i>Pure and Applied Geophysics</i> , 2005, 162, 249-271.	0.8	30
326	Correlating Velocity Patterns With Spatial Dynamics In Glioma Cell Migration. <i>Acta Biotheoretica</i> , 2005, 53, 181-190.	0.7	6

#	ARTICLE	IF	CITATIONS
327	Detrended fluctuation analysis of daily temperature records: Geographic dependence over Australia. <i>Meteorology and Atmospheric Physics</i> , 2005, 88, 119-128.	0.9	74
328	Yangtze Delta floods and droughts of the last millennium: Abrupt changes and long term memory. <i>Theoretical and Applied Climatology</i> , 2005, 82, 131-141.	1.3	48
329	Size Effects on Correlation Measures. <i>Journal of Biological Physics</i> , 2005, 31, 121-133.	0.7	56
330	Tests of Long Memory: A Bootstrap Approach. <i>Computational Economics</i> , 2005, 25, 103-113.	1.5	47
331	How useful is satellite positioning system (GPS) to track gait parameters? A review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2005, 2, 28.	2.4	73
332	Protein Coding Sequence Identification by Simultaneously Characterizing the Periodic and Random Features of DNA Sequences. <i>Journal of Biomedicine and Biotechnology</i> , 2005, 2005, 139-146.	3.0	37
333	The deconvolution of seismic data as a fluctuation analysis. <i>Integrated Computer-Aided Engineering</i> , 2005, 12, 25-42.	2.5	11
334	Biological sequence analysis through the one-dimensional percolation transform and its enhanced version. <i>Bioinformatics</i> , 2005, 21, 608-616.	1.8	3
335	Scaling behavior of Internet packet delay dynamics based on small-interval measurements. , 2005, , .		3
336	Fractionally integrated process with power-law correlations in variables and magnitudes. <i>Physical Review E</i> , 2005, 72, 026121.	0.8	74
337	Some properties of the entropy in the natural time. <i>Physical Review E</i> , 2005, 71, 032102.	0.8	132
338	Power-law correlated processes with asymmetric distributions. <i>Physical Review E</i> , 2005, 71, 025104.	0.8	43
339	Volatility, persistence, and survival in financial markets. <i>Physical Review E</i> , 2005, 72, 051106.	0.8	36
340	Hierarchical structure analysis describing abnormal base composition of genomes. <i>Physical Review E</i> , 2005, 72, 041915.	0.8	2
341	Volatility of linear and nonlinear time series. <i>Physical Review E</i> , 2005, 72, 011913.	0.8	55
342	Non-Poisson Fluctuation Statistics In Neuronal Inter-Spike Intervals (ISI): Hurst parameter Estimates of Mouse Retinal Ganglion Signals. , 2005, 2005, 2095-8.		0
343	Scaling of horizontal and vertical fixational eye movements. <i>Physical Review E</i> , 2005, 71, 031909.	0.8	31
344	Solvable Sequence Evolution Models and Genomic Correlations. <i>Physical Review Letters</i> , 2005, 94, 138103.	2.9	43

#	ARTICLE	IF	CITATIONS
345	Theory for long memory in supply and demand. <i>Physical Review E</i> , 2005, 71, 066122.	0.8	83
346	Effect of nonlinear filters on detrended fluctuation analysis. <i>Physical Review E</i> , 2005, 71, 011104.	0.8	215
347	Scaling Behavior of the Portevin-Le Chatelier Effect in an Al [~] 2.5%Mg Alloy. <i>Physical Review Letters</i> , 2005, 94, 055502.	2.9	24
348	MULTIFRACTAL ANALYSIS OF TEMPERATURE TIME SERIES: DATA FROM BOREHOLES IN KAMCHATKA. <i>Fractals</i> , 2005, 13, 299-310.	1.8	11
349	FINANCIAL AND OTHER SPATIO-TEMPORAL TIME SERIES: LONG-RANGE CORRELATIONS AND SPECTRAL PROPERTIES. <i>International Journal of Modern Physics C</i> , 2005, 16, 1733-1743.	0.8	5
350	DISCRIMINATING FLUCTUATION DYNAMICS IN BURNED AND UNBURNED VEGETATIONAL COVERS. <i>Fluctuation and Noise Letters</i> , 2005, 05, L479-L487.	1.0	0
351	MINIMIZING THE EFFECT OF SINUSOIDAL TRENDS IN DETRENDED FLUCTUATION ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 1767-1773.	0.7	28
352	THE KEY ROLE OF LIQUIDITY FLUCTUATIONS IN DETERMINING LARGE PRICE CHANGES. <i>Fluctuation and Noise Letters</i> , 2005, 05, L209-L216.	1.0	32
353	Identification of brain activity by fractal scaling analysis of functional MRI data. , 0, , .		6
354	Complete description of all self-similar models driven by Lévy stable noise. <i>Physical Review E</i> , 2005, 71, 016113.	0.8	101
355	Power-law correlations in column ozone over Antarctica. <i>International Journal of Remote Sensing</i> , 2005, 26, 3333-3342.	1.3	131
356	Building Innovative Representations of DNA Sequences to Facilitate Gene Finding. <i>IEEE Intelligent Systems</i> , 2005, 20, 34-39.	4.0	4
357	Modeling of Radical Copolymerization near a Selectively Adsorbing Surface: Design of Gradient Copolymers with Long-Range Correlations. <i>Macromolecules</i> , 2005, 38, 2419-2430.	2.2	12
358	Wavelet analysis and scaling properties of time series. <i>Physical Review E</i> , 2005, 72, 046120.	0.8	62
359	Necessary criterion for distinguishing true superdiffusion from correlated random walk processes. <i>Physical Review E</i> , 2005, 72, 011111.	0.8	70
360	Long-term memories of developed and emerging markets: Using the scaling analysis to characterize their stage of development. <i>Journal of Banking and Finance</i> , 2005, 29, 827-851.	1.4	339
361	Long-range temporal correlations in the spontaneous spiking of neurons in the hippocampal-amygdala complex of humans. <i>Neuroscience</i> , 2005, 131, 547-555.	1.1	64
362	Quantifying signals with power-law correlations: A comparative study of detrended fluctuation analysis and detrended moving average techniques. <i>Physical Review E</i> , 2005, 71, 051101.	0.8	254

#	ARTICLE	IF	CITATIONS
363	Simple stochastic models for glacial dynamics. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	12
364	Wavelet and scaling analysis of monthly precipitation extremes in Germany in the 20th century: Interannual to interdecadal oscillations and the North Atlantic Oscillation influence. <i>Water Resources Research</i> , 2005, 41, .	1.7	50
365	Discriminating dynamical patterns in burned and unburned vegetational covers by using SPOT-VGT NDVI data. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	28
366	Empirical mode decomposition and correlation properties of long daily ozone records. <i>Physical Review E</i> , 2005, 71, 056126.	0.8	76
367	Long-Term Memory: A Natural Mechanism for the Clustering of Extreme Events and Anomalous Residual Times in Climate Records. <i>Physical Review Letters</i> , 2005, 94, 048701.	2.9	301
368	GC Composition of the Human Genome: In Search of Isochores. <i>Molecular Biology and Evolution</i> , 2005, 22, 1260-1272.	3.5	71
369	Multifractal detrended fluctuation analysis of sunspot time series. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P02003-P02003.	0.9	205
370	Attempt to distinguish long-range temporal correlations from the statistics of the increments by natural time analysis. <i>Physical Review E</i> , 2006, 74, 021123.	0.8	140
371	Long-range persistence in global Aerosol Index dynamics. <i>International Journal of Remote Sensing</i> , 2006, 27, 3593-3603.	1.3	123
372	Power Law Correlations in DNA Sequences. , 2006, , 123-164.		9
373	Millennial climate variability: GCM-simulation and Greenland ice cores. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	32
374	Long-term persistence in climate and the detection problem. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	119
375	Long-term persistence and multifractality of precipitation and river runoff records. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	311
376	Effect of temporally correlated recharge on fluctuations of groundwater levels. <i>Water Resources Research</i> , 2006, 42, .	1.7	20
377	Pre- and post-fire behavioral trends revealed in satellite NDVI time series. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	37
378	Recurrence Plot-Based Approach to the Analysis of IP-Network Traffic in Terms of Assessing Nonstationary Transitions Over Time. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006, 53, 2318-2326.	0.1	14
379	There's more to volatility than volume. <i>Quantitative Finance</i> , 2006, 6, 371-384.	0.9	63
380	Level crossing analysis of the stock markets. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2006, 2006, P06008-P06008.	0.9	22

#	ARTICLE	IF	CITATIONS
381	Detrended fluctuation analysis for fractals and multifractals in higher dimensions. <i>Physical Review E</i> , 2006, 74, 061104.	0.8	191
382	Simulation of Gradient Copolymers Synthesis via Conformation-Dependent Graft Copolymerization near a Uniform Adsorbing Surface. <i>Macromolecules</i> , 2006, 39, 8808-8815.	2.2	9
383	Detrended fluctuation analysis of laser Doppler flowmetry time series: the effect of extrinsic and intrinsic factors on the fractal scaling of microvascular blood flow. <i>Physiological Measurement</i> , 2006, 27, 1241-1253.	1.2	17
384	Reduced-fat white fresh cheese-like products obtained from W1/O/W2 multiple emulsions: Viscoelastic and high-resolution image analyses. <i>Food Research International</i> , 2006, 39, 678-685.	2.9	117
385	Computer-Aided Conformation-Dependent Design of Copolymer Sequences. , 0, , 1-100.		39
386	Multifractality of laser beam spatial intensity in a turbulent medium. <i>Applied Optics</i> , 2006, 45, 3331.	2.1	10
387	Long-term persistence and multifractality of river runoff records: Detrended fluctuation studies. <i>Journal of Hydrology</i> , 2006, 322, 120-137.	2.3	265
388	The Multifractal Characterization of R-R Intervals in Atrial Fibrillation. , 2006, , .		1
389	Nonlinear correlations of daily temperature records over land. <i>Nonlinear Processes in Geophysics</i> , 2006, 13, 571-576.	0.6	48
390	Survey of Scaling Surfaces. <i>Lecture Notes in Physics</i> , 2006, , 93-110.	0.3	2
391	Investiga�o da mem�ria de longo prazo na taxa de c�mbio no Brasil. <i>Revista Brasileira De Economia</i> , 2006, 60, 193.	0.2	4
392	Spectral fluctuation characterization of random matrix ensembles through wavelets. <i>Journal of Physics A</i> , 2006, 39, L599-L604.	1.6	13
393	Long-memory processes in ozone and temperature variations at the region 60� S�60� N. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4093-4100.	1.9	170
394	Variability regimes of simulated Atlantic MOC. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	18
395	Self-similarity behavior characterization of Fetal Heart Rate signal in healthy and Intrauterine Grow Retardated fetuses. , 2006, 2006, 6157-60.		4
396	Scaling Behaviors of Traffic in Computer Communication Networks. , 2006, , .		1
397	Correlation properties of daily temperature anomalies over land. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 58, 593.	0.8	62
398	Detecting long-range correlation with detrended fluctuation analysis: Application to BWR stability. <i>Annals of Nuclear Energy</i> , 2006, 33, 1309-1314.	0.9	15

#	ARTICLE	IF	CITATIONS
399	The bulk of the stock market correlation matrix is not pure noise. Physica A: Statistical Mechanics and Its Applications, 2006, 359, 589-606.	1.2	59
400	Effect of coarse-graining on detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 226-236.	1.2	12
401	Dynamic scaling behavior of human brain electroencephalogram. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 315-323.	1.2	7
402	Fractionally integrated process for transition economics. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 465-470.	1.2	89
403	Scaling properties of marathon races. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 509-520.	1.2	11
404	Long memory in stock index futures markets: A value-at-risk approach. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 437-448.	1.2	80
405	Reliable scaling exponent estimation of long-range correlated noise in the presence of random spikes. Physica A: Statistical Mechanics and Its Applications, 2006, 366, 1-17.	1.2	10
406	Diffusion entropy analysis on the scaling behavior of financial markets. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 337-344.	1.2	30
407	Appropriateness of correlated first-order auto-regressive processes for modeling daily temperature records. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 271-275.	1.2	3
408	A two-dimensional modified Lévy-walk model for the DNA sequences. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 688-698.	1.2	3
409	Language time series analysis. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 808-816.	1.2	29
410	Duration specificity in the long-range correlation of human serial interval production. Physica D: Nonlinear Phenomena, 2006, 216, 301-306.	1.3	15
411	Similar impact of topological and dynamic noise on complex patterns. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 302-305.	0.9	30
412	Bootstrap testing for detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2006, 360, 89-98.	1.2	21
413	Scaling properties of image textures: A detrending fluctuation analysis approach. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 677-698.	1.2	29
414	A Markov model of financial returns. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 393-403.	1.2	15
415	Phase-rectified signal averaging detects quasi-periodicities in non-stationary data. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 423-434.	1.2	187
416	A multifractal detrended fluctuation description of Iranian rial-US dollar exchange rate. Physica A: Statistical Mechanics and Its Applications, 2006, 367, 328-336.	1.2	148

#	ARTICLE	IF	CITATIONS
417	Nearest-neighbor spacing distribution of basis in some intron-less and intron-containing DNA sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 372, 368-373.	1.2	5
418	Assessment of long-range correlation in time series: How to avoid pitfalls. <i>Physical Review E</i> , 2006, 73, 016117.	0.8	133
419	Size matters: some stylized facts of the stock market revisited. <i>European Physical Journal B</i> , 2006, 51, 145-154.	0.6	85
420	Economic Fluctuations and Statistical Physics: The Puzzle of Large Fluctuations. <i>Nonlinear Dynamics</i> , 2006, 44, 329-340.	2.7	34
421	Analysis of Non-stationary Data for Heart-rate Fluctuations in Terms of Drift and Diffusion Coefficients. <i>Journal of Biological Physics</i> , 2006, 32, 117-128.	0.7	44
422	Inertia and memory in ambiguous visual perception. <i>Cognitive Processing</i> , 2006, 7, 105-112.	0.7	28
423	Dynamical structure of center-of-pressure trajectories in patients recovering from stroke. <i>Experimental Brain Research</i> , 2006, 174, 256-269.	0.7	251
424	Network clustering coefficient approach to DNA sequence analysis. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 1037-1045.	2.5	10
425	Observing Internet Worm and Virus Attacks with a Small Network Telescope. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 151, 47-59.	0.9	22
426	Long-range correlations in remotely sensed chlorophyll in the South China Sea. <i>Science Bulletin</i> , 2006, 51, 45-49.	1.7	3
427	Motion sickness preceded by unstable displacements of the center of pressure. <i>Human Movement Science</i> , 2006, 25, 800-820.	0.6	77
428	Local Hölder Exponent Analysis of Heart Rate Variability in Preterm Infants. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 83-88.	2.5	11
429	Development and assessment of methods for detecting dementia using the human electroencephalogram. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1557-1568.	2.5	101
430	Long-term memory of the hydrological cycle and river runoffs in China in a high-resolution climate model. <i>International Journal of Climatology</i> , 2006, 26, 1547-1565.	1.5	41
431	Scale-invariant Aspects of Cardiac Dynamics Across Sleep Stages and Circadian Phases. , 2006, 2006, 445-8.		5
432	Change in Complexity of Fetal Heart Rate Variability. , 2006, 2006, 1796-8.		2
433	Speciational view of macroevolution: Are micro and macroevolution decoupled?. <i>Europhysics Letters</i> , 2006, 75, 342-348.	0.7	5
434	Long-term correlations in the surface behavior of dolphins. <i>Europhysics Letters</i> , 2006, 74, 1095-1101.	0.7	9

#	ARTICLE	IF	CITATIONS
435	Entropy of the Nordic electricity market: anomalous scaling, spikes, and mean-reversion. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11011-P11011.	0.9	19
436	Linear and nonlinear characterization of surfaces from a laser beam melt ablation process. Journal Physics D: Applied Physics, 2006, 39, 1405-1412.	1.3	5
437	Detrended Fluctuation Analysis on Correlations of Complex Networks Under Attack and Repair Strategy. Communications in Theoretical Physics, 2006, 45, 765-768.	1.1	1
438	Scaling graphs of heart rate time series in athletes demonstrating the VLF, LF and HF regions. Physiological Measurement, 2006, 27, N35-N39.	1.2	11
439	Power-Law Fluctuation in Expressway Traffic Flow: Detrended Fluctuation Analysis. Journal of the Physical Society of Japan, 2006, 75, 034002.	0.7	19
440	Coupling between contraction rhythm and calcium oscillation in a cultured cardiac myocyte: Fluctuation behaviour and its modelling. Biological Rhythm Research, 2006, 37, 117-130.	0.4	1
441	Nonlinear Science issues in the dynamics of unstable rock slopes: new tools for rock fall risk assessment and early warnings. Geological Society Special Publication, 2006, 261, 79-93.	0.8	2
442	Empirical Study on the Volatility of the Hang-Seng Index. Chinese Physics Letters, 2006, 23, 754-757.	1.3	12
443	Adaptation in stochastic tunneling global optimization of complex potential energy landscapes. Europhysics Letters, 2006, 74, 944-950.	0.7	42
444	ANALYSIS OF RAINFALL RECORDS IN INDIA: SELF-ORGANIZED CRITICALITY AND SCALING. Fractals, 2006, 14, 289-293.	1.8	9
445	Discrimination of Vegetational Patterns in Burned and Unburned Areas. International Journal of Nonlinear Sciences and Numerical Simulation, 2006, 7, .	0.4	1
446	Quantum spectrum as a time series: Fluctuation measures. Physical Review E, 2006, 73, 015201.	0.8	32
447	Coarsening dynamics in elastically anisotropic alloys. Physical Review B, 2006, 73, .	1.1	6
448	Detrended fluctuation analysis in x-ray photon correlation spectroscopy for determining coarsening dynamics in alloys. Physical Review E, 2006, 74, 041107.	0.8	5
449	Simulation of transient current through PMMA thin films based on a random walk model. Physical Review B, 2006, 73, .	1.1	6
450	A novel approach to the estimation of the long-range dependence parameter. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 463-467.	2.3	33
451	Wavelet versus detrended fluctuation analysis of multifractal structures. Physical Review E, 2006, 74, 016103.	0.8	237
452	Distinguishing chaos from noise by scale-dependent Lyapunov exponent. Physical Review E, 2006, 74, 066204.	0.8	113

#	ARTICLE	IF	CITATIONS
453	Understanding volatility correlation behavior with a magnitude cross-correlation function. Physical Review E, 2006, 73, 066128.	0.8	49
454	Scaling and memory of intraday volatility return intervals in stock markets. Physical Review E, 2006, 73, 026117.	0.8	140
455	Entropy of seismic electric signals: Analysis in natural time under time reversal. Physical Review E, 2006, 73, 031114.	0.8	135
456	Scaling theory of temporal correlations and size-dependent fluctuations in the traded value of stocks. Physical Review E, 2006, 73, 046109.	0.8	67
457	SCALING BEHAVIOR AND COMPLEXITY OF THE PORTEVIN-LE CHATELIER EFFECT. Modern Physics Letters B, 2006, 20, 1075-1092.	1.0	5
458	DETRENDED FLUCTUATION ANALYSES OF SHORT-TERM HEART RATE VARIABILITY IN SURGICAL INTENSIVE CARE UNITS. Biomedical Engineering - Applications, Basis and Communications, 2006, 18, 67-72.	0.3	22
459	A QUALITATIVE DESCRIPTION OF BOUNDARY LAYER WIND SPEED RECORDS. Fluctuation and Noise Letters, 2006, 06, L201-L213.	1.0	9
460	TARGET DETECTION WITHIN SEA CLUTTER: A COMPARATIVE STUDY BY FRACTAL SCALING ANALYSES. Fractals, 2006, 14, 187-204.	1.8	46
461	Decrease in the heart rate complexity prior to the onset of atrial fibrillation. Europace, 2006, 8, 398-402.	0.7	61
462	STOCK MECHANICS: A GENERAL THEORY AND METHOD OF ENERGY CONSERVATION WITH APPLICATIONS ON DJIA. International Journal of Modern Physics C, 2006, 17, 1679-1690.	0.8	2
463	Title is missing!. Physics-Uspekhi, 2007, 50, 819.	0.8	79
464	EFFICIENT ROUTING ON SCALE-FREE NETWORKS. International Journal of Modern Physics B, 2007, 21, 4071-4075.	1.0	5
465	NONLINEAR METHODS OF CARDIOVASCULAR PHYSICS AND THEIR CLINICAL APPLICABILITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3325-3371.	0.7	94
466	Extracting Self-affine (Fractal) Features from Physiologic Signals. , 2007, , .		1
467	hummgenic changes in large scale temporal correlation of EEG in BP. , 2007, , .		1
468	FORECASTING SMOOTHED NON-STATIONARY TIME SERIES USING GENETIC ALGORITHMS. International Journal of Modern Physics C, 2007, 18, 1071-1086.	0.8	4
469	SCALE-INVARIANCE OF NORMALIZED YEARLY MEAN GRAIN YIELD ANOMALY SERIES. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 395-412.	0.9	3
470	THE LENGTH OF CODING SEQUENCES IN A BACTERIAL GENOME: EVIDENCE FOR SHORT-RANGE CORRELATION. Fluctuation and Noise Letters, 2007, 07, L501-L506.	1.0	4

#	ARTICLE	IF	CITATIONS
471	DYNAMICS OF AVALANCHE ACTIVITIES IN FINANCIAL MARKETS. International Journal of Modern Physics C, 2007, 18, 119-127.	0.8	2
472	Study of Packet Traffic Fluctuations Near Phase Transition Point from Free Flow to Congestion in Data Network Model. , 2007, , .		9
473	Scaling Analysis of the Sea Surface Temperature Anomaly in the South China Sea. Journal of Atmospheric and Oceanic Technology, 2007, 24, 681-687.	0.5	12
474	Long-range correlation and multifractality in Bach's Inventions pitches. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P04012-P04012.	0.9	57
475	Analysis of long-range correlation in sequences data of proteins. Journal of the Serbian Chemical Society, 2007, 72, 383-392.	0.4	3
476	An Overview of Fractional Order Signal Processing (FOSP) Techniques. , 2007, , 1205.		18
477	Modeling and Prediction of Great Salt Lake Elevation Time Series Based on ARFIMA. , 2007, , 1349.		9
478	Applications of physical methods in high-frequency futures markets. Proceedings of SPIE, 2007, , .	0.8	4
479	Similarities between the dynamics of geomagnetic signal and of heartbeat intervals. Europhysics Letters, 2007, 80, 50006.	0.7	13
480	On a generalised model for time-dependent variance with long-term memory. Europhysics Letters, 2007, 80, 30005.	0.7	13
481	Scaling Behaviour and Memory in Heart Rate of Healthy Human. Chinese Physics Letters, 2007, 24, 3002-3005.	1.3	2
482	An Empirical Quantitative EEG Analysis for Evaluating Clinical Brain Death. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3880-3.	0.5	9
483	Modeling the Control of Fixational Eye Movements with Neurophysiological Delays. Physical Review Letters, 2007, 98, 138104.	2.9	55
484	Accuracy of roughness exponent measurement methods. Physical Review E, 2007, 76, 031136.	0.8	18
485	Relation between volatility correlations in financial markets and Omori processes occurring on all scales. Physical Review E, 2007, 76, 016109.	0.8	56
486	Distinguishing cancerous from noncancerous cells through analysis of electrical noise. Physical Review E, 2007, 76, 041908.	0.8	41
487	Automatic algorithm for monotone trend removal. Physical Review E, 2007, 75, 036705.	0.8	15
488	On the trend, detrending, and variability of nonlinear and nonstationary time series. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14889-14894.	3.3	729

#	ARTICLE	IF	CITATIONS
489	Cardiovascular and respiratory dynamics during normal and pathological sleep. <i>Chaos</i> , 2007, 17, 015116.	1.0	62
490	DETRENDED FLUCTUATION ANALYSIS OF AUTOREGRESSIVE PROCESSES. <i>Fluctuation and Noise Letters</i> , 2007, 07, L249-L255.	1.0	15
491	Investigating dynamical trends in burned and unburned vegetation covers using SPOT-VGT NDVI data. <i>Journal of Geophysics and Engineering</i> , 2007, 4, 128-138.	0.7	7
492	Detrended Fluctuation Analysis of Traffic Data. <i>Chinese Physics Letters</i> , 2007, 24, 2142-2145.	1.3	21
493	Exploiting noise in array CGH data to improve detection of DNA copy number change. <i>Nucleic Acids Research</i> , 2007, 35, e35-e35.	6.5	25
494	Multifractal Analysis of Human Heartbeat in Sleep. <i>Chinese Physics Letters</i> , 2007, 24, 2149-2152.	1.3	7
495	Endogenous circadian rhythm in human motor activity uncoupled from circadian influences on cardiac dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20702-20707.	3.3	119
496	Peripheral neuropathy does not alter the fractal dynamics of stride intervals of gait. <i>Journal of Applied Physiology</i> , 2007, 102, 965-971.	1.2	72
497	Technical Note: Long-term memory effect in the atmospheric CO ₂ concentration at Mauna Loa. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 629-634.	1.9	127
498	A NOISE TRADER MODEL AS A GENERATOR OF APPARENT FINANCIAL POWER LAWS AND LONG MEMORY. <i>Macroeconomic Dynamics</i> , 2007, 11, 80-101.	0.6	62
499	Characteristics of Long-Term Climate Change in Beijing With Detrended Fluctuation Analysis. <i>Chinese Journal of Geophysics</i> , 2007, 50, 393-398.	0.2	8
500	Feedback modulates the temporal scale-free dynamics of brain electrical activity in a hypothesis testing task. <i>Neuroscience</i> , 2007, 146, 1400-1412.	1.1	46
501	The suprachiasmatic nucleus functions beyond circadian rhythm generation. <i>Neuroscience</i> , 2007, 149, 508-517.	1.1	109
502	Characterization of the sleep EEG in acutely depressed men using detrended fluctuation analysis. <i>Clinical Neurophysiology</i> , 2007, 118, 940-950.	0.7	76
503	Algorithm to estimate the Hurst exponent of high-dimensional fractals. <i>Physical Review E</i> , 2007, 76, 056703.	0.8	85
504	Strong memory in time series of human magnetoencephalograms can identify photosensitive epilepsy. <i>Journal of Experimental and Theoretical Physics</i> , 2007, 104, 644-650.	0.2	5
505	Heart Rate Chaos as a Mortality Predictor in Mild to Moderate Heart Failure. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5051-4.	0.5	6
506	Markov analysis and Kramers-Moyal expansion of nonstationary stochastic processes with application to the fluctuations in the oil price. <i>Physical Review E</i> , 2007, 75, 060102.	0.8	48

#	ARTICLE	IF	CITATIONS
507	Multi-scaling in finance. <i>Quantitative Finance</i> , 2007, 7, 21-36.	0.9	309
508	Identifying characteristic scales in the human genome. <i>Physical Review E</i> , 2007, 75, 032903.	0.8	44
509	Analysis of Non-Uniform Scaling Features in Ultra Low Frequency Geomagnetic Signals and Correlation with Seismicity. , 2007, , .		2
510	Non-Stationary Analysis of DNA Sequences. , 2007, , .		3
511	Comparison of nonlinear methods symbolic dynamics, detrended fluctuation, and Poincaré plot analysis in risk stratification in patients with dilated cardiomyopathy. <i>Chaos</i> , 2007, 17, 015120.	1.0	65
512	An adjusted ARIMA model for internet traffic. , 2007, , .		12
513	Fractal scale-invariant and nonlinear properties of cardiac dynamics remain stable with advanced age: a new mechanistic picture of cardiac control in healthy elderly. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1923-R1937.	0.9	101
514	Quantifying fractal dynamics of groundwater systems with detrended fluctuation analysis. <i>Journal of Hydrology</i> , 2007, 336, 139-146.	2.3	72
515	Temporal scaling comparison of real hydrological data and model runoff records. <i>Journal of Hydrology</i> , 2007, 336, 186-198.	2.3	37
516	Assessing the relative importance of intrinsic and extrinsic influence on sheep population dynamics on Hirta Island, UK. <i>Journal for Nature Conservation</i> , 2007, 15, 54-58.	0.8	3
517	A modified method for detecting incipient bifurcations in a dynamical system. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	142
518	Statistical analysis of hydroclimatic time series: Uncertainty and insights. <i>Water Resources Research</i> , 2007, 43, .	1.7	236
519	Statistics of return intervals in long-term correlated records. <i>Physical Review E</i> , 2007, 75, 011128.	0.8	121
520	Long-range correlations of extrapolar total ozone are determined by the global atmospheric circulation. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 435-442.	0.6	23
521	Long-Term Power-Law Fluctuation in Internet Traffic. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 044001.	0.7	12
522	Long-range correlations in daily relative humidity fluctuations: A new index to characterize the climate regions over China. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	47
523	A comparison of ground geoelectric activity between three regions of different level of seismicity. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 591-598.	1.5	8
524	Analysis of global geomagnetic variability. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 701-708.	0.6	22

#	ARTICLE	IF	CITATIONS
525	Fractal response of physiological signals to stress conditions, environmental changes, and neurodegenerative diseases. Complexity, 2007, 12, 12-17.	0.9	42
526	Assessment of the classification capability of prediction and approximation methods for HRV analysis. Computers in Biology and Medicine, 2007, 37, 642-654.	3.9	19
527	Estimation of Hurst exponent revisited. Computational Statistics and Data Analysis, 2007, 51, 4510-4525.	0.7	106
528	Fractality and time correlation in contemporary war. Chaos, Solitons and Fractals, 2007, 34, 1039-1049.	2.5	2
529	Long-range dependence and multifractality in the term structure of LIBOR interest rates. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 603-614.	1.2	100
530	Is the expression valid for real financial data?. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 593-602.	1.2	7
531	Qualitative assessment of gene expression in affymetrix genechip arrays. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 486-496.	1.2	1
532	Extracting quantitative dynamics in Earth's apparent resistivity time series by using the detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 380-388.	1.2	8
533	Wavelet transform analysis of time series generated by the stimulated neuronal activity. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 699-706.	1.2	3
534	Multifractal fluctuations in the survival probability of an open quantum system. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 266-274.	1.2	9
535	Delay estimation in a two-node acyclic network. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 725-737.	1.2	0
536	Measurement of time-dependent fractal dimension for time series of silicon content in pig iron. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 133-138.	1.2	16
537	Energy landscape paving as a perfect optimization approach under detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 307-314.	1.2	17
538	Non-linear characteristics and long-range correlations in Asian stock markets. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 399-407.	1.2	53
539	Statistical properties of German Dax and Chinese indices. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 387-398.	1.2	28
540	Self-similar characteristics of the currency exchange rate in an economy in transition. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 188-198.	1.2	6
541	Complexity analysis of the stock market. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 179-187.	1.2	36
542	The Hurst exponent in energy futures prices. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 325-332.	1.2	69

#	ARTICLE	IF	CITATIONS
543	Long range correlations in the heart rate variability following the injury of cardiac arrest. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 250-258.	1.2	6
544	Anti-correlation and multifractal features of Spain electricity spot market. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 333-342.	1.2	57
545	Evidence of increment of efficiency of the Mexican Stock Market through the analysis of its variations. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 391-398.	1.2	15
546	An algorithm for the characterization of time-series based on local regularity. Physica A: Statistical Mechanics and Its Applications, 2007, 381, 383-398.	1.2	13
547	Volatilities, traded volumes, and the hypothesis of price increments in derivative securities. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 577-585.	1.2	1
548	Relaxation and phase space singularities in time series of human magnetoencephalograms as indicator of photosensitive epilepsy. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 443-454.	1.2	4
549	Correlations in a Mozart's music score (K-73x) with palindromic and upside-down structure. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 570-584.	1.2	15
550	Temporal-spatial diversities of long-range correlation for relative humidity over China. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 585-594.	1.2	46
551	Fluctuation and synchronization of gait intervals and gait force profiles distinguish stages of Parkinson's disease. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 455-465.	1.2	77
552	Non-uniform scaling behavior in ultra-low-frequency (ULF) earthquake-related geomagnetic signals. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 522-528.	1.2	30
553	Detecting signatures of stochastic self-organization in US money and velocity measures. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 281-291.	1.2	7
554	Capability of markets to accept a new stock. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 583-590.	1.2	7
555	Scaling analysis of paces of fetal breathing, gross-body and extremity movements. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 231-239.	1.2	12
556	Similarity and dissimilarity in correlations of genomic DNA. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 497-502.	1.2	9
557	Diffusion entropy analysis on the stride interval fluctuation of human gait. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 687-692.	1.2	14
558	Detrending fluctuation analysis based on high-pass filtering. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 699-708.	1.2	23
559	Scale invariance in the 2003-2005 Iraq conflict. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 291-301.	1.2	9
560	Possible biomechanical origins of the long-range correlations in stride intervals of walking. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 259-270.	1.2	64

#	ARTICLE	IF	CITATIONS
561	Detrending moving average algorithm: A closed-form approximation of the scaling law. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 382, 9-15.	1.2	99
562	Statistical properties of daily ensemble variables in the Chinese stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 383, 497-506.	1.2	22
563	Scaling behavior of an artificial traffic model on scale-free networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 14-19.	0.9	16
564	Comparison of various estimators in simulated FGN. <i>Simulation Modelling Practice and Theory</i> , 2007, 15, 1173-1191.	2.2	27
565	Empirical evidences of persistence and dynamical chaos in solar-terrestrial phenomena. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 2391-2404.	0.6	17
566	Adaptive extremal optimization by detrended fluctuation analysis. <i>Journal of Computational Physics</i> , 2007, 227, 1500-1509.	1.9	19
567	A study of e-mail patterns. <i>Software - Practice and Experience</i> , 2007, 37, 1515-1538.	2.5	8
568	Detrended Fluctuation Analysis of EEG as a Measure of Depth of Anesthesia. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 840-846.	2.5	116
569	Multifractal analysis of K ⁺ channel activity. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2007, 1, 169-175.	0.3	7
570	Alamethicin channel kinetics: Studies using fluctuation analysis and multifractal fluctuation analysis. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2007, 1, 246-252.	0.3	3
571	Statistical regularities in the return intervals of volatility. <i>European Physical Journal B</i> , 2007, 55, 123-133.	0.6	39
572	Power-law autocorrelated stochastic processes with long-range cross-correlations. <i>European Physical Journal B</i> , 2007, 56, 47-52.	0.6	118
573	Quantifying bid-ask spreads in the Chinese stock market using limit-order book data. <i>European Physical Journal B</i> , 2007, 57, 81-87.	0.6	44
574	Endogenous and exogenous dynamics in the fluctuations of capital fluxes. <i>European Physical Journal B</i> , 2007, 57, 347-355.	0.6	31
575	Multi-scale correlations in different futures markets. <i>European Physical Journal B</i> , 2007, 58, 207-220.	0.6	33
576	Are all highly liquid securities within the same class?. <i>European Physical Journal B</i> , 2007, 60, 265-269.	0.6	3
577	On NAO's predictability through the DFA method. <i>Meteorology and Atmospheric Physics</i> , 2007, 96, 221-227.	0.9	12
578	A note on decoupling of local and global behaviours for the Dagum Random Field. <i>Probabilistic Engineering Mechanics</i> , 2007, 22, 320-329.	1.3	28

#	ARTICLE	IF	CITATIONS
579	Multifractal detrended fluctuation analysis of pressure fluctuation signals in an impinging entrained-flow gasifier. <i>Chemical Engineering Journal</i> , 2008, 136, 364-372.	6.6	14
580	Long-range scaling behaviours of human colonic pressure activities. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 1888-1895.	1.7	16
581	Cluster behavior of a simple model in financial markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 528-536.	1.2	6
582	Fractal analysis of river flow fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 915-932.	1.2	134
583	Multifractal properties of Pyrex and silicon surfaces blasted with sharp particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 2083-2090.	1.2	22
584	Time and scale Hurst exponent analysis for financial markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3910-3915.	1.2	74
585	Modeling long-range cross-correlations in two-component ARFIMA and FIARCH processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3954-3959.	1.2	130
586	Studies of spectral properties of short genes using the wavelet subspace Hilbert–Huang transform (WSHHT). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4223-4247.	1.2	33
587	Hurst exponent and prediction based on weak-form efficient market hypothesis of stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4630-4636.	1.2	85
588	Time-varying Hurst exponent for US stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6159-6169.	1.2	172
589	Time series analysis and long range correlations of Nordic spot electricity market data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6567-6574.	1.2	23
590	Comparison study of global and local approaches describing critical phenomena on the Polish stock exchange market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6801-6811.	1.2	59
591	Long-range dependence in interest rates and monetary policy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 181-184.	0.9	12
592	The effects of neuromuscular fatigue on task performance during repetitive goal-directed movements. <i>Experimental Brain Research</i> , 2008, 187, 573-585.	0.7	112
593	Development of a nonlocal convective mixing scheme with varying upward mixing rates for use in air quality and chemical transport models. <i>Environmental Science and Pollution Research</i> , 2008, 15, 296-302.	2.7	4
594	An empirical EEG analysis in brain death diagnosis for adults. <i>Cognitive Neurodynamics</i> , 2008, 2, 257-271.	2.3	45
595	Assessing a signal model and identifying brain activity from fMRI data by a detrending-based fractal analysis. <i>Brain Structure and Function</i> , 2008, 212, 417-426.	1.2	9
596	Age-related complexity and coupling of children's sitting posture. <i>Developmental Psychobiology</i> , 2008, 50, 502-510.	0.9	21

#	ARTICLE	IF	CITATIONS
597	Linear and non-linear scaling of the Yangtze River flow. <i>Hydrological Processes</i> , 2008, 22, 1532-1536.	1.1	4
598	Multifractal detrended fluctuation analysis of streamflow series of the Yangtze River basin, China. <i>Hydrological Processes</i> , 2008, 22, 4997-5003.	1.1	73
599	Avalanche dynamics of human brain oscillations: Relation to critical branching processes and temporal correlations. <i>Human Brain Mapping</i> , 2008, 29, 770-777.	1.9	96
601	Fractal dimensions of pacing and grip force in drawing and handwriting production. <i>Journal of Biomechanics</i> , 2008, 41, 40-46.	0.9	12
602	Using three methods to investigate time-scaling properties in air pollution indexes time series. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 693-707.	0.9	51
603	Blocks adjustment reduction of bias and variance of detrended fluctuation analysis using Monte Carlo simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 217-242.	1.2	7
604	Detrended fluctuation analysis of particle condensation on complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1361-1368.	1.2	10
605	Long correlations and Normalized Truncated Levy Models applied to the study of Indian Market Indices in comparison with other emerging markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1273-1282.	1.2	8
606	The local Hurst exponent of the financial time series in the vicinity of crashes on the Polish stock exchange market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4299-4308.	1.2	114
607	Comparison of detrending methods for fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5080-5090.	1.2	277
608	Bivariate phase-rectified signal averaging. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5091-5100.	1.2	30
609	Empirical shape function of limit-order books in the Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5182-5188.	1.2	37
610	Strong anticipation: Sensitivity to long-range correlations in synchronization behavior. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5271-5278.	1.2	87
611	High frequency intrinsic modes in El Niño/Southern Oscillation Index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5246-5254.	1.2	5
612	A study of the time distribution of inter-cluster earthquakes in Taiwan. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5561-5566.	1.2	13
613	Relationship between efficiency and predictability in stock price change. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5511-5517.	1.2	40
614	Performance of a high-dimensional method for Hurst exponent estimation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6452-6462.	1.2	66
615	Scaling and memory effect in volatility return interval of the Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6812-6818.	1.2	36

#	ARTICLE	IF	CITATIONS
616	Influence of filters in the detrended fluctuation analysis of digital electroencephalographic data. <i>Journal of Neuroscience Methods</i> , 2008, 170, 310-316.	1.3	13
617	An empirical behavioral model of liquidity and volatility. <i>Journal of Economic Dynamics and Control</i> , 2008, 32, 200-234.	0.9	207
618	Quantifying and understanding the economics of large financial movements. <i>Journal of Economic Dynamics and Control</i> , 2008, 32, 303-319.	0.9	15
619	Constitutive laws for the neutron density current. <i>Annals of Nuclear Energy</i> , 2008, 35, 1963-1967.	0.9	73
620	Quantifying multiscale inefficiency in electricity markets. <i>Energy Economics</i> , 2008, 30, 3109-3117.	5.6	29
621	Short-term predictability of crude oil markets: A detrended fluctuation analysis approach. <i>Energy Economics</i> , 2008, 30, 2645-2656.	5.6	199
622	Effect of mobile phone radiation on heart rate variability. <i>Computers in Biology and Medicine</i> , 2008, 38, 709-712.	3.9	30
623	Discriminating coding, non-coding and regulatory regions using rescaled range and detrended fluctuation analysis. <i>BioSystems</i> , 2008, 91, 183-194.	0.9	13
624	Multifractal detrended fluctuation analysis of combustion flames in four-burner impinging entrained-flow gasifier. <i>Chemical Engineering Journal</i> , 2008, 143, 230-235.	6.6	34
625	Correlation analysis of chaotic trajectories from Chua's system. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 1157-1169.	2.5	24
626	Event recognition by detrended fluctuation analysis: An application to Teide's Pico Viejo volcanic complex, Tenerife, Spain. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 1173-1180.	2.5	13
627	Effect of noise on fractal structure. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 921-924.	2.5	14
628	Multifractal properties of Chinese stock market in Shanghai. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 261-269.	1.2	73
629	From solar flare time series to fractional dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1077-1087.	1.2	19
630	Detrended fluctuation analysis of forest fires and related weather parameters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 2091-2099.	1.2	31
631	Space-magnitude dependent scaling behaviour in seismic interevent series revealed by detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3655-3659.	1.2	8
632	Long-term memory dynamics of continental and oceanic monthly temperatures in the recent 125 years. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3629-3640.	1.2	23
633	Difference in nature of correlation between NASDAQ and BSE indices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5810-5817.	1.2	26

#	ARTICLE	IF	CITATIONS
634	Alteration in scaling behavior of short-term heartbeat time series for professional shooting athletes from rest to exercise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6553-6557.	1.2	9
635	A multifractal approach for stock market inefficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6558-6566.	1.2	254
636	Characterization of welding defects by fractal analysis of ultrasonic signals. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 748-754.	2.5	29
637	The non-random walk of stock prices: the long-term correlation between signs and sizes. <i>European Physical Journal B</i> , 2008, 64, 607-614.	0.6	17
638	Fluctuation analysis of meteo-marine data. <i>European Physical Journal: Special Topics</i> , 2008, 161, 195-205.	1.2	1
639	Persistence and phase synchronisation properties of fixational eye movements. <i>European Physical Journal: Special Topics</i> , 2008, 161, 207-223.	1.2	12
640	Long-term memory in earthquakes and the distribution of interoccurrence times. <i>Europhysics Letters</i> , 2008, 81, 69001.	0.7	149
641	Analysis of correlation properties of random processes using short signals. <i>Technical Physics Letters</i> , 2008, 34, 306-308.	0.2	8
642	Detrended Fluctuation Analysis of Intracranial Pressure Predicts Outcome Following Traumatic Brain Injury. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2509-2518.	2.5	48
643	A Study on the Possible Usefulness of Detrended Fluctuation Analysis of the Electroencephalogram Background Activity in Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2171-2179.	2.5	55
644	Nonstationary Analysis of Coding and Noncoding Regions in Nucleotide Sequences. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2008, 2, 357-364.	7.3	16
645	Asymptotic Properties of the Detrended Fluctuation Analysis of Long-Range-Dependent Processes. <i>IEEE Transactions on Information Theory</i> , 2008, 54, 2041-2052.	1.5	56
646	Open-Field Temporal Pattern of Ambulation in Japanese Quail Genetically Selected for Contrasting Adrenocortical Responsiveness to Brief Manual Restraint. <i>Poultry Science</i> , 2008, 87, 2186-2195.	1.5	30
647	Intra-hole fluid convection: High-resolution temperature time monitoring. <i>Journal of Hydrology</i> , 2008, 348, 464-479.	2.3	13
648	Scaling in global ocean chlorophyll fluctuations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	5
649	Stochastic modeling of the auroral electrojet index. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
650	Long-term memory in 1000-year simulated temperature records. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	87
651	Ecophysiological significance of scale-dependent patterns in prokaryotic genomes unveiled by a combination of statistic and genomeric analyses. <i>Genomics</i> , 2008, 91, 538-543.	1.3	9

#	ARTICLE	IF	CITATIONS
652	Investigating non-uniform scaling behavior in Ultra Low Frequency (ULF) earthquake-related geomagnetic signals. Earth and Planetary Science Letters, 2008, 268, 219-224.	1.8	34
653	Discriminating brain activity from task-related artifacts in functional MRI: Fractal scaling analysis simulation and application. NeuroImage, 2008, 40, 197-212.	2.1	16
654	A Review on Feature Extraction & Classification Techniques for Biosignal Processing (Part III: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	3
655	Emergence of new structure from non-stationary analysis of genomic sequences. , 2008, , .		3
656	Long-range dependencies in algorithmic computing. , 2008, , .		0
657	Multifractal detrended cross-correlation analysis for two nonstationary signals. Physical Review E, 2008, 77, 066211.	0.8	586
658	Phylogenetic Comparison of Genes Using Long Range Correlation Patterns in DNA Sequences. , 2008, , .		0
659	A blind method for the estimation of the Hurst exponent in time series: Theory and application. Chaos, 2008, 18, 033126.	1.0	20
660	Scaling effect in planetary waves over Antarctica. International Journal of Remote Sensing, 2008, 29, 2697-2704.	1.3	24
661	Characterizing nonlinear heartbeat dynamics within a point process framework. , 2008, 2008, 2781-4.		7
662	A comparison of fetal and neonatal heart rate variability at similar post-menstrual ages. , 2008, 2008, 2801-4.		6
663	Self-similarity measurement based on experimental data. , 2008, , .		1
664	NON-UNIFORM SCALING BEHAVIOR IN SELF-POTENTIAL EARTHQUAKE-RELATED SIGNALS. Fluctuation and Noise Letters, 2008, 08, L261-L267.	1.0	2
665	SERIAL CORRELATION, PERIODICITY AND SCALING OF EIGENMODES IN AN EMERGING MARKET. International Journal of Theoretical and Applied Finance, 2008, 11, 739-760.	0.2	7
666	EFFECT OF MEDITATION ON SCALING BEHAVIOR AND COMPLEXITY OF HUMAN HEART RATE VARIABILITY. Fractals, 2008, 16, 199-208.	1.8	28
667	SELF-AFFINITY OF VEHICLE DEMAND ON THE FERRY-BOAT SYSTEM. International Journal of Modern Physics C, 2008, 19, 665-669.	0.8	10
668	MULTIFRACTAL STRUCTURE OF PSEUDORAPIDITY AND AZIMUTHAL DISTRIBUTIONS OF THE SHOWER PARTICLES IN Au + Au COLLISIONS AT 200 A GeV. International Journal of Modern Physics A, 2008, 23, 2809-2816.	0.5	24
669	MARKET STATISTICS OF A PSYCHOLOGY-BASED HETEROGENEOUS AGENT MODEL. International Journal of Theoretical and Applied Finance, 2008, 11, 717-737.	0.2	12

#	ARTICLE	IF	CITATIONS
670	DETRENDED FLUCTUATION ANALYSIS OF THE US STOCK MARKET. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 599-603.	0.7	20
671	The circadian pacemaker generates similar circadian rhythms in the fractal structure of heart rate in humans and rats. Cardiovascular Research, 2008, 80, 62-68.	1.8	31
672	How main-chains of proteins explore the free-energy landscape in native states. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19708-19713.	3.3	52
673	Nonlinear Analysis of Time Series in Genome-Wide Linkage Disequilibrium Data. AIP Conference Proceedings, 2008, , .	0.3	1
674	ECG scaling properties of cardiac arrhythmias using detrended fluctuation analysis. Physiological Measurement, 2008, 29, 1255-1266.	1.2	11
675	Spectral fluctuations of billiards with mixed dynamics: From time series to superstatistics. Physical Review E, 2008, 77, 046202.	0.8	35
676	Fluctuations, under time reversal, of the natural time and the entropy distinguish similar looking electric signals of different dynamics. Journal of Applied Physics, 2008, 103, 014906.	1.1	96
677	Efficient scheme for parametric fitting of data in arbitrary dimensions. Physical Review E, 2008, 78, 011112.	0.8	1
678	Signal stationarity assessment for the heart rate variability spectral analysis. , 2008, , .		0
679	Fractional derivatives of random walks: Time series with long-time memory. Physical Review E, 2008, 78, 031127.	0.8	14
680	Fractal connectivity of long-memory networks. Physical Review E, 2008, 77, 036104.	0.8	124
681	LÃ©vy flights in nonhomogeneous media: Distributed-order fractional equation approach. Physical Review E, 2008, 78, 031135.	0.8	29
682	Serial correlation of detrended time series. Physical Review E, 2008, 78, 036707.	0.8	8
683	Self-Similarity in Vibration Time Series: Application to Gear Fault Diagnostics. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.0	22
684	Chapter 1 Random Processes in the Appearance and Dynamics of an Electropore in a Lipid Membrane. Behavior Research Methods, 2008, , 1-38.	2.3	0
685	A new method for abrupt change detection in dynamic structures. Nonlinear Processes in Geophysics, 2008, 15, 601-606.	0.6	54
686	Statistical features of seismoelectric signals prior to M7.4 Guerrero-Oaxaca earthquake (MÃ©xico). Natural Hazards and Earth System Sciences, 2008, 8, 1001-1007.	1.5	15
687	Classification and Salt-tolerance of Actinomycetes in the Qinghai Lake Water and Lakeside Saline Soil. Journal of Sustainable Development, 2009, 2, .	0.1	17

#	ARTICLE	IF	CITATIONS
688	FRACTAL ANALYSIS OF METAL TRANSFER IN MIGÂ•MAG WELDING. , 2009, , .		6
689	Multiple Time Scales Analysis of Precipitation in Hotan, China. Journal of Sustainable Development, 2009, 2, .	0.1	0
690	Multifactor analysis of multiscaling in volatility return intervals. Physical Review E, 2009, 79, 016103.	0.8	39
691	Asymmetry in power-law magnitude correlations. Physical Review E, 2009, 80, 015101.	0.8	7
692	Statistical analysis of the overnight and daytime return. Physical Review E, 2009, 79, 056109.	0.8	35
693	Electroencephalogram background activity characterization with Detrended Moving Average in Alzheimer's disease patients. , 2009, , .		1
694	LÃ©vy-like diffusion in eye movements during spoken-language comprehension. Physical Review E, 2009, 79, 056114.	0.8	31
695	Phase statistics approach to human ventricular fibrillation. Physical Review E, 2009, 80, 051917.	0.8	8
696	Long-term memory dynamics of total ozone content. International Journal of Remote Sensing, 2009, 30, 3897-3905.	1.3	4
697	Understanding the complexity of human gait dynamics. Chaos, 2009, 19, 026108.	1.0	96
698	Detrending Moving Average algorithm: a brief review. , 2009, , .		19
699	Spontaneous brain activity as a source of ideal $\frac{1}{f} < \text{noise} >$ Physical Review E, 2009, 80, 061914.	0.8	100
700	Cross-Modulated Amplitudes and Frequencies Characterize Interacting Components in Complex Systems. Physical Review Letters, 2009, 102, 098701.	2.9	42
701	Modified periodogram method for estimating the Hurst exponent of fractional Gaussian noise. Physical Review E, 2009, 80, 066207.	0.8	10
702	Levels of complexity in scale-invariant neural signals. Physical Review E, 2009, 79, 041920.	0.8	143
703	Detrended fluctuation analysis of the magnetic and electric field variations that precede rupture. Chaos, 2009, 19, 023114.	1.0	88
704	Research on Fractional Option Pricing Model Under Real Brownian Motion Environment. , 2009, , .		1
705	Study of the MEC background activity in Alzheimer's disease patients with scaling analysis methods. , 2009, 2009, 3485-8.		3

#	ARTICLE	IF	CITATIONS
706	On the long-term behavior of mutual fund returns. <i>Quantitative Finance</i> , 2009, 9, 653-660.	0.9	6
707	Predicting drastic drop in Chinese stock market with local Hurst exponent. , 2009, , .		2
708	MONOFRACTAL AND MULTIFRACTAL APPROACHES IN INVESTIGATING TEMPORAL VARIATION OF AIR POLLUTION INDEXES. <i>Fractals</i> , 2009, 17, 513-521.	1.8	27
709	DETRENDED FLUCTUATION ANALYSIS OF THE TCP-RED ALGORITHM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 4237-4245.	0.7	2
710	PERSISTENCE PROBABILITY ANALYZED ON THE TAIWAN STOCK MARKET. <i>International Journal of Modern Physics B</i> , 2009, 23, 4713-4726.	1.0	3
711	ADAPTIVE DATA ANALYSIS OF COMPLEX FLUCTUATIONS IN PHYSIOLOGIC TIME SERIES. <i>Advances in Adaptive Data Analysis</i> , 2009, 01, 61-70.	0.6	124
712	CONTINUUM CLIMATE VARIABILITY: LONG-TERM MEMORY, SCALING, AND 1/F-NOISE. <i>International Journal of Modern Physics B</i> , 2009, 23, 5403-5416.	1.0	51
713	Emergence of long memory in stock volatility from a modified Mike-Farmer model. <i>Europhysics Letters</i> , 2009, 86, 48002.	0.7	82
714	Altered Heart Rhythm Dynamics in Very Low Birth Weight Infants With Impending Intraventricular Hemorrhage. <i>Pediatrics</i> , 2009, 123, 810-815.	1.0	45
715	Crossover Phenomena in Detrended Fluctuation Analysis Used in Financial Markets. <i>Communications in Theoretical Physics</i> , 2009, 51, 358-362.	1.1	3
716	SELF-ORGANIZED CRITICALITY IN ASYMMETRIC WARFARE. <i>Fractals</i> , 2009, 17, 91-97.	1.8	3
717	Robustness Analysis of the Estimators for Noisy Long-Range Dependent Time Series. , 2009, , .		6
718	Fractal analysis of discharge current fluctuations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P03020.	0.9	21
719	Scaling and memory in recurrence intervals of Internet traffic. <i>Europhysics Letters</i> , 2009, 87, 68001.	0.7	28
720	Fluctuation analysis of proficient and dysgraphic handwriting in children. <i>Europhysics Letters</i> , 2009, 85, 58007.	0.7	4
721	Fractal analysis of the ambulation pattern of Japanese quail. <i>British Poultry Science</i> , 2009, 50, 161-170.	0.8	21
722	Description of a Portable Wireless Device for High-Frequency Body Temperature Acquisition and Analysis. <i>Sensors</i> , 2009, 9, 7648-7663.	2.1	16
723	Detrended fluctuation analysis of a systolic blood pressure control loop. <i>New Journal of Physics</i> , 2009, 11, 103005.	1.2	16

#	ARTICLE	IF	CITATIONS
724	Recent advances in the analysis of behavioural organization and interpretation as indicators of animal welfare. <i>Journal of the Royal Society Interface</i> , 2009, 6, 1103-1119.	1.5	75
725	Analysis of the Ciliary/Flagellar Beating of <i>Chlamydomonas</i> . <i>Methods in Cell Biology</i> , 2009, 91, 173-239.	0.5	4
726	Statistical mechanics of the neocortex. <i>Progress in Biophysics and Molecular Biology</i> , 2009, 99, 53-86.	1.4	76
727	Gender and breathing route modulate cardio-respiratory variability in humans. <i>Respiratory Physiology and Neurobiology</i> , 2009, 166, 87-94.	0.7	10
728	Assessing temporal-dependent correlations in the 2000-2008 Popocatepetl exhalation sequence by using detrended fluctuation analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 186, 426-431.	0.8	7
729	Stratification Pattern of Static and Scale-Invariant Dynamic Measures of Heartbeat Fluctuations Across Sleep Stages in Young and Elderly. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1564-1573.	2.5	93
730	Multifractality in the copolymerization of Bis-GMA/TEGDMA by pulsed photoacoustics. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1199-1208.	1.3	6
731	Effects of the essential oils of <i>Lippia turbinata</i> and <i>Lippia polystachya</i> (Verbenaceae) on the temporal pattern of locomotion of the mosquito <i>Culex quinquefasciatus</i> (Diptera: Culicidae) larvae. <i>Parasitology Research</i> , 2009, 104, 1119-1127.	0.6	21
732	Peculiar statistical properties of Chinese stock indices in bull and bear market phases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 891-899.	1.2	17
733	Multifractal properties of the Indian financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1593-1602.	1.2	80
734	Jump detection and long range dependence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1150-1156.	1.2	10
735	Long-range correlations in heart rate variability during computer-mouse work under time pressure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1527-1534.	1.2	5
736	Dynamics of electricity market correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2173-2188.	1.2	15
737	Using models with long-term persistence to interpret the rapid increase of Earth's temperature. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2492-2502.	1.2	12
738	A DFA approach for assessing asymmetric correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2263-2270.	1.2	95
739	Fractal dimensions of time sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 3100-3106.	1.2	17
740	Long term memory in extreme returns of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4145-4150.	1.2	32
741	Investigation of privatization by level crossing approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 3859-3865.	1.2	5

#	ARTICLE	IF	CITATIONS
742	Cross-correlation between time series of vehicles and passengers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4863-4866.	1.2	53
743	Scaling and memory in the return intervals of realized volatility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4787-4796.	1.2	27
744	Outer-totalistic cellular automata on graphs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 546-549.	0.9	30
745	Degree distributions of the visibility graphs mapped from fractional Brownian motions and multifractal random walks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3822-3826.	0.9	108
746	A hierarchical clustering scheme approach to assessment of IP-network traffic using detrended fluctuation analysis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 697-707.	1.7	6
747	The Output Effects of Money Growth Uncertainty: Evidence from a Multivariate GARCH-in-Mean VAR. <i>Open Economies Review</i> , 2009, 20, 607-630.	0.9	15
748	Spatio-temporal characteristics of standardized precipitation index in the Taihu basin during 1951-2000. <i>Wuhan University Journal of Natural Sciences</i> , 2009, 14, 518-524.	0.2	8
749	Auditory feedback affects the long-range correlation of isochronous serial interval production: support for a closed-loop or memory model of timing. <i>Experimental Brain Research</i> , 2009, 193, 519-527.	0.7	25
750	Fine-structured multi-scaling long-range correlations in completely sequenced genomes' features, origin, and classification. <i>European Biophysics Journal</i> , 2009, 38, 757-779.	1.2	18
751	Multiscale agent-based cancer modeling. <i>Journal of Mathematical Biology</i> , 2009, 58, 545-559.	0.8	136
752	Performance of encryption schemes in chaotic optical communication: A multifractal approach. <i>Optics Communications</i> , 2009, 282, 4587-4594.	1.0	13
753	Minimum entropy density method for the time series analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 137-144.	1.2	4
754	Detrended fluctuation analysis of intertrade durations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 433-440.	1.2	48
755	Correlation and complexity analysis of well logs via Lyapunov, Hurst, Lempel-Ziv and neural network algorithms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 747-754.	1.2	12
756	Multifractal analysis of streamflow records of the East River basin (Pearl River), China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 927-934.	1.2	57
757	Statistical properties of volatility return intervals of Chinese stocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 881-890.	1.2	34
758	Long correlations and Levy models applied to the study of memory effects in high frequency (tick) data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1659-1664.	1.2	43
759	Empirical study of recent Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1893-1907.	1.2	20

#	ARTICLE	IF	CITATIONS
760	Multiresolution analysis of fluctuations in non-stationary time series through discrete wavelets. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2306-2314.	1.2	43
761	Statistical properties of trading volume of Chinese stocks. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2427-2434.	1.2	38
762	Detection of changes in the fractal scaling of heart rate and speed in a marathon race. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3798-3808.	1.2	32
763	Mean reversion in the US stock market. Chaos, Solitons and Fractals, 2009, 40, 2007-2015.	2.5	42
764	Detrended fluctuation analysis in natural languages using non-corpus parametrization. Chaos, Solitons and Fractals, 2009, 41, 198-205.	2.5	14
765	Minimizing the effect of exponential trends in detrended fluctuation analysis. Chaos, Solitons and Fractals, 2009, 41, 311-316.	2.5	15
766	Using fractal dimension to quantify long-range persistence in global solar radiation. Chaos, Solitons and Fractals, 2009, 41, 1520-1530.	2.5	30
767	Investigating long-range correlation properties in EEG during complex cognitive tasks. Chaos, Solitons and Fractals, 2009, 42, 2067-2073.	2.5	37
768	Applications of detrended-fluctuation analysis to gearbox fault diagnosis. Mechanical Systems and Signal Processing, 2009, 23, 682-689.	4.4	45
769	Human heart beat analysis using a modified algorithm of detrended fluctuation analysis based on empirical mode decomposition. Medical Engineering and Physics, 2009, 31, 92-100.	0.8	46
770	Chaotic SVD method for minimizing the effect of exponential trends in detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 720-726.	1.2	33
771	On the detection of trends in long-term correlated records. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1687-1695.	1.2	40
772	Scaling instability in self-potential earthquake-related signals. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1181-1186.	1.2	15
773	Study of the human postural control system during quiet standing using detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 1857-1866.	1.2	39
774	A brief description to different multi-fractal behaviors of daily wind speed records over China. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4134-4141.	0.9	54
775	Assessment of bursting activity and interspike intervals variability: A case study for methodological comparison. Journal of Neuroscience Methods, 2009, 179, 142-149.	1.3	21
776	Ergodicity breakdown and scaling from single sequences. Chaos, Solitons and Fractals, 2009, 39, 895-909.	2.5	10
777	1/f± fractal noise generation from GrÅ¼waldâ€™s Letnikov formula. Chaos, Solitons and Fractals, 2009, 39, 882-888.	2.5	12

#	ARTICLE	IF	CITATIONS
778	Multifractality and herding behavior in the Japanese stock market. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 497-504.	2.5	53
779	Local scaling and multifractal spectrum analyses of DNA sequences – GenBank data analysis. <i>Chaos, Solitons and Fractals</i> , 2009, 40, 1750-1765.	2.5	12
780	Low dimensional behavior in three-dimensional coupled map lattices. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 997-1004.	2.5	8
781	Multifractal structure in Latin-American market indices. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2331-2340.	2.5	75
782	Multifractal detrended fluctuation analysis of analog random multiplicative processes. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2806-2811.	2.5	9
783	Effective multifractal features of high-frequency price fluctuations time series and $\hat{\alpha}_m$ -variability diagrams. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2512-2521.	2.5	22
784	Applying a recurrence plot scheme to analyze non-stationary transition patterns of IP-network traffic. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 1418-1430.	1.7	8
785	Theoretical basis for identification of different anesthetic states based on routinely recorded EEG during operation. <i>Computers in Biology and Medicine</i> , 2009, 39, 40-45.	3.9	26
786	Examination of persistence properties of wind speed records using detrended fluctuation analysis. <i>Energy</i> , 2009, 34, 1980-1985.	4.5	48
787	Fractional dynamic behavior in Forcados Oil Price Series: An application of detrended fluctuation analysis. <i>Energy for Sustainable Development</i> , 2009, 13, 11-17.	2.0	28
788	The design and evaluation of the Simple Self-Similar Sequences Generator. <i>Information Sciences</i> , 2009, 179, 4029-4045.	4.0	0
789	Detecting effects of low levels of cytochalasin B in 3T3 fibroblast cultures by analysis of electrical noise obtained from cellular micromotion. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2250-2254.	5.3	35
790	Finite size correction for fixed word length Zipf analysis. <i>European Physical Journal B</i> , 2009, 70, 287-291.	0.6	3
791	Quantifying cross-correlations using local and global detrending approaches. <i>European Physical Journal B</i> , 2009, 71, 243-250.	0.6	380
792	Multifractal detrended cross-correlation analysis of temporal and spatial seismic data. <i>European Physical Journal B</i> , 2009, 72, 679-683.	0.6	148
793	Scaling laws of human interaction activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12640-12645.	3.3	207
794	Chaoticity analysis of the current through pure, hydrogenated and hydrophobically modified PEG-Si thin films under varying relative humidity. <i>Open Physics</i> , 2009, 7, .	0.8	3
795	Scaling behavior of earthquakes™ inter-events time series. <i>Open Physics</i> , 2009, 7, .	0.8	10

#	ARTICLE	IF	CITATIONS
796	Scaling exponents of EEG are related to the temporal process of the therapeutic hypothermia following ischemic brain injury. , 2009, 2009, 2192-5.		1
797	LÃ©vy flights and random searches. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 434003.	0.7	54
798	New Quantification of Local Transition Heterogeneity of Multiscale Complex Networks Constructed from Single-Molecule Time Series. Journal of Physical Chemistry B, 2009, 113, 14732-14741.	1.2	19
799	Generality of a power-law long-term correlation in beat timings of single cardiac cells. Biochemical and Biophysical Research Communications, 2009, 387, 19-24.	1.0	6
800	Effect of treadmill walking on the stride interval dynamics of human gait. Gait and Posture, 2009, 30, 431-435.	0.6	71
801	Analysis of efficiency for Shenzhen stock market based on multifractal detrended fluctuation analysis. International Review of Financial Analysis, 2009, 18, 271-276.	3.1	185
802	Detrended fluctuation analysis of laser Doppler flowmetry time series. Microvascular Research, 2009, 78, 314-318.	1.1	17
803	Wavelet multiresolution based multifractal analysis of electric fields by lightning return strokes. Atmospheric Research, 2009, 91, 410-415.	1.8	16
804	Epilepsy detection using Detrended Fluctuation Analysis. , 2009, , .		4
805	Multifractal analysis of geomagnetic storm and solar flare indices and their class dependence. Journal of Geophysical Research, 2009, 114, .	3.3	25
806	Do vegetation patch spatial patterns disrupt the spatial organization of plant species?. Ecological Complexity, 2009, 6, 197-207.	1.4	20
807	Is Perceptual Learning Unimodal?. Ecological Psychology, 2009, 21, 37-67.	0.7	12
808	Event-Driven Power-Law Relaxation in Weak Turbulence. Physical Review Letters, 2009, 102, 014502.	2.9	53
809	Simulation of birdfoot delta formation with application to the Mississippi Delta. Journal of Geophysical Research, 2009, 114, .	3.3	29
810	Singular Behavior of Slow Dynamics of Single Excitable Cells. Biophysical Journal, 2009, 96, 255-267.	0.2	18
811	Mapping Equivalence for Symbolic Sequences: Theory and Applications. IEEE Transactions on Signal Processing, 2009, 57, 4895-4905.	3.2	13
812	Multifractal properties of elementary cellular automata in a discrete wavelet approach of MF-DFA. Europhysics Letters, 2009, 87, 28003.	0.7	22
813	Towards the detection of microcalcifications on mammograms through Multifractal Detrended Fluctuation Analysis. , 2009, , .		10

#	ARTICLE	IF	CITATIONS
814	FARIMA MODELING OF SOLAR FLARE ACTIVITY FROM EMPIRICAL TIME SERIES OF SOFT X-RAY SOLAR EMISSION. <i>Astrophysical Journal</i> , 2009, 693, 1877-1882.	1.6	44
815	Clinical impact of evaluation of cardiovascular control by novel methods of heart rate dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 1223-1238.	1.6	154
816	Nonlinear Dynamic Indications in Time Series of Epilepsy Electroencephalogram. , 2009, , .		0
817	Numerical representation of DNA sequences. , 2009, , .		51
818	Slow-wave sleep estimation on a load-cell-installed bed: a non-constrained method. <i>Physiological Measurement</i> , 2009, 30, 1163-1170.	1.2	63
819	Cross-correlations between volume change and price change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22079-22084.	3.3	590
820	Levy models and long correlations applied to the study of exchange traded funds. <i>International Journal of Computer Mathematics</i> , 2009, 86, 1040-1053.	1.0	4
821	A Model of Coarse-Graining Effect on DFA. , 2009, , .		0
822	Graphical representation of DNA sequences. , 2009, , .		8
823	A Calibration Scheme for Microwave Radiometers Using Tipping Curves and Kalman Filtering. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 4201-4209.	2.7	15
824	Clinical review: A review and analysis of heart rate variability and the diagnosis and prognosis of infection. <i>Critical Care</i> , 2009, 13, 232.	2.5	127
825	Long-range temporal correlations of ocean surface currents. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	7
826	Altered temporal correlations in parietal alpha and prefrontal theta oscillations in early-stage Alzheimer disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1614-1619.	3.3	256
827	Exploring self-affine properties in seismograms. <i>Computational Geosciences</i> , 2009, 13, 155-163.	1.2	9
828	Multifractal analysis of sunspot time series: the effects of the 11-year cycle and Fourier truncation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P02066.	0.9	82
829	Traffic Flow Volume Fluctuation Analysis using MF-DFA. , 2009, , .		4
830	Short range correlation of the erythrocyte membrane fluctuations. <i>Journal of Physics: Conference Series</i> , 2009, 182, 012005.	0.3	0
831	Detrended Fluctuation Analysis of Temporal Variation of the Center of Pressure (COP) during Quiet Standing in Parkinsonian Patients. <i>Journal of Physical Therapy Science</i> , 2009, 21, 287-292.	0.2	19

#	ARTICLE	IF	CITATIONS
832	Scaling behaviour of the global tropopause. Atmospheric Chemistry and Physics, 2009, 9, 677-683.	1.9	67
833	Heart Instantaneous Frequency Based Estimation of HRV from Blood Pressure Waveforms. IEICE Transactions on Information and Systems, 2009, E92-D, 529-537.	0.4	3
834	Event-driven power-law relaxation in weak turbulence: A liquid crystals mesoscopic experiment bridging quantum dots and the integration theory for the brain. Journal of Physics: Conference Series, 2009, 174, 012070.	0.3	1
835	A Research on the Fractal Properties of Aluminum Future Market. , 2010, , .		0
836	Time-scaling Differences between Poyang Lake Inlet and Outlet COD Series: Monofractal and Multifractal Aspects. , 2010, , .		0
837	Fluctuation Analyses for Pattern Classification in Nondestructive Materials Inspection. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	8
839	The role of fractality in perceptual learning: Exploration in dynamic touch.. Journal of Experimental Psychology: Human Perception and Performance, 2010, 36, 1161-1173.	0.7	61
840	Detrended fluctuation analysis of scaling crossover effects. Europhysics Letters, 2010, 90, 10009.	0.7	10
841	Higher-order phase transitions on financial markets. European Physical Journal B, 2010, 76, 513-527.	0.6	19
842	A multi agent model for the limit order book dynamics. European Physical Journal B, 2010, 78, 265-273.	0.6	20
843	Optics of surface disordered systems. European Physical Journal: Special Topics, 2010, 181, 1-103.	1.2	63
844	Disentangling collective trends from local dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7629-7634.	3.3	7
845	Superfamily classification of nonstationary time series based on DFA scaling exponents. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 495005.	0.7	18
846	Time-dependent correlations in electricity markets. Energy Economics, 2010, 32, 269-277.	5.6	39
847	Crude oil market efficiency and modeling: Insights from the multiscaling autocorrelation pattern. Energy Economics, 2010, 32, 993-1000.	5.6	68
848	Using detrended fluctuation analysis to monitor chattering in cutter tool machines. International Journal of Machine Tools and Manufacture, 2010, 50, 651-657.	6.2	30
849	Multifractal analysis of polyalanines time series. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2090-2095.	1.2	10
850	Study of memory effects in international market indices. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1653-1664.	1.2	22

#	ARTICLE	IF	CITATIONS
851	Correlations and cross-correlations in the Brazilian agrarian commodities and stocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2739-2743.	1.2	84
852	Phase characterization of experimental gas-liquid two-phase flows. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4014-4017.	0.9	15
853	Nonlinear dynamics of cardiovascular ageing. <i>Physics Reports</i> , 2010, 488, 51-110.	10.3	315
854	The effect of noise reduction in measuring the linear and nonlinear dependency of financial markets. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 492-502.	0.9	57
855	Fluctuation regimes of soil moisture in ERA-40 re-analysis data. <i>Theoretical and Applied Climatology</i> , 2010, 99, 1-8.	1.3	28
856	The dynamics of EEG entropy. <i>Journal of Biological Physics</i> , 2010, 36, 185-196.	0.7	36
857	Modeling traffic flow correlation using DFA and DCCA. <i>Nonlinear Dynamics</i> , 2010, 61, 207-216.	2.7	86
858	Characterizing Nonlinear Heartbeat Dynamics Within a Point Process Framework. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1335-1347.	2.5	45
859	Data series embedding and scale invariant statistics. <i>Human Movement Science</i> , 2010, 29, 449-463.	0.6	5
860	An investigation of stride interval stationarity in a paediatric population. <i>Human Movement Science</i> , 2010, 29, 125-136.	0.6	9
861	Individual Sarcomere Lengths in Whole Muscle Fibers and Optimal Fiber Length Computation. <i>Anatomical Record</i> , 2010, 293, 1913-1919.	0.8	24
862	Multifractal analysis of measure representation of flood/drought grade series in the Yangtze Delta, China, during the past millennium and their fractal model simulation. <i>International Journal of Climatology</i> , 2010, 30, 450-457.	1.5	15
863	Commodity futures and market efficiency: A fractional integrated approach. <i>Resources Policy</i> , 2010, 35, 276-282.	4.2	25
864	Analysis of signal fluctuations of Cortical Spreading Depression: Preliminary findings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1869-1873.	1.2	6
865	Pinkness of the North Atlantic Oscillation signal revisited. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5801-5807.	1.2	5
866	Auto-correlated behavior of WTI crude oil volatilities: A multiscale perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5759-5768.	1.2	25
867	Towards a "gold-standard" approach to address the presence of long-range auto-correlation in physiological time series. <i>Journal of Neuroscience Methods</i> , 2010, 192, 163-172.	1.3	36
868	Long-term correlations and multifractality in trading volumes for Chinese stocks. <i>Physics Procedia</i> , 2010, 3, 1631-1640.	1.2	16

#	ARTICLE	IF	CITATIONS
869	Empirical regularities of opening call auction in Chinese stock market. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 278-286.	1.2	13
870	Detecting long-range correlations in fire sequences with Detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 837-842.	1.2	16
871	Statistical properties of online avatar numbers in a massive multiplayer online role-playing game. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 807-814.	1.2	9
872	Analysis of market efficiency for the Shanghai stock market over time. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1635-1642.	1.2	87
873	Multiscale programming to manage the air pollution problem using the level crossing method. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1915-1921.	1.2	2
874	Symbolic dynamics of ventricular tachycardia and ventricular fibrillation. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2096-2100.	1.2	5
875	A fractal comparison of real and Austrian business cycle models. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2244-2267.	1.2	8
876	Scaling and memory in the non-Poisson process of limit order cancelation. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2751-2761.	1.2	9
877	Dynamics of implied volatility surfaces from random matrix theory. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2762-2769.	1.2	10
878	Use and misuse of some Hurst parameter estimators applied to stationary and non-stationary financial time series. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2770-2781.	1.2	102
879	Multifractal analysis on international crude oil markets based on the multifractal detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2805-2815.	1.2	89
880	Self-affine analysis of protein energy. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2682-2686.	1.2	12
881	The properties and mechanism of long-term memory in nonparametric volatility. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3254-3259.	1.2	4
882	Are developed and emerging agricultural futures markets multifractal? A comparative perspective. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3828-3836.	1.2	36
883	Different scaling behaviors in daily temperature records over China. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4087-4095.	1.2	44
884	Local normalization: Uncovering correlations in non-stationary financial time series. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3856-3865.	1.2	28
885	Contemporaneous aggregation and long-memory property of returns and volatility in the Korean stock market. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4844-4854.	1.2	10
886	Cross-correlations between Chinese A-share and B-share markets. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5468-5478.	1.2	160

#	ARTICLE	IF	CITATIONS
887	Preservation of long range temporal correlations under extreme random dilution. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5573-5580.	1.2	8
888	Is WTI crude oil market becoming weakly efficient over time?. Energy Economics, 2010, 32, 987-992.	5.6	126
889	Wavelet-based method to disentangle transcription- and replication-associated strand asymmetries in mammalian genomes. Applied and Computational Harmonic Analysis, 2010, 28, 150-170.	1.1	22
890	On spurious anti-persistence in the US stock indices. Chaos, Solitons and Fractals, 2010, 43, 68-78.	2.5	24
891	Understanding the statistical persistence of dual-axis swallowing accelerometry signals. Computers in Biology and Medicine, 2010, 40, 839-844.	3.9	7
892	Characterizing the human postural control system using detrended fluctuation analysis. Journal of Computational and Applied Mathematics, 2010, 233, 1478-1482.	1.1	18
893	Entropy of balance - some recent results. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 38.	2.4	152
894	CLIOMETRICS AND TIME SERIES ECONOMETRICS: SOME THEORY AND APPLICATIONS. Journal of Economic Surveys, 2010, 24, 970-1042.	3.7	15
895	Universal Global Imprints of Genome Growth and Evolution "Equivalent Length and Cumulative Mutation Density. PLoS ONE, 2010, 5, e9844.	1.1	3
897	Aging Effects on Cardiac and Respiratory Dynamics in Healthy Subjects across Sleep Stages. Sleep, 2010, 33, 943-955.	0.6	97
898	Long-range correlation analysis of urban traffic data. Chinese Physics B, 2010, 19, 080205.	0.7	6
899	Identifying compositionally homogeneous and nonhomogeneous domains within the human genome using a novel segmentation algorithm. Nucleic Acids Research, 2010, 38, e158-e158.	6.5	16
900	Notice of Retraction: Multifractal analysis of the 2007 stock market crash. , 2010, , .		1
902	On the altitude dependence of the temperature scaling behaviour at the global troposphere. International Journal of Remote Sensing, 2010, 31, 343-349.	1.3	79
903	Evaluating the efficiency of fractional integration parameter estimators. Journal of Statistical Computation and Simulation, 2010, 80, 301-313.	0.7	1
904	Dynamics of electroencephalogram entropy and pitfalls of scaling detection. Physical Review E, 2010, 81, 031909.	0.8	16
905	Multifractal analysis of Arterial Spin Labeling functional Magnetic Resonance Imaging of the brain. , 2010, , .		4
906	Effect of extreme data loss on long-range correlated and anticorrelated signals quantified by detrended fluctuation analysis. Physical Review E, 2010, 81, 031101.	0.8	109

#	ARTICLE	IF	CITATIONS
907	Volatility of unevenly sampled fractional Brownian motion: An application to ice core records. Physical Review E, 2010, 81, 016107.	0.8	4
908	A study of long-range correlations in schizophrenia EEG using detrended fluctuation analysis. , 2010, , .		3
909	The effect of wavelet-based filtering and data set length on the fractal scaling of cardiorespiratory variability. , 2010, 2010, 4546-9.		0
910	Volatility, irregularity, and predictable degree of accumulative return series. Physical Review E, 2010, 81, 066116.	0.8	12
911	Recurrence interval analysis of trading volumes. Physical Review E, 2010, 81, 066107.	0.8	28
912	Multifractal Detrended Cross-Correlation Analysis of Chinese Stocks. , 2010, , .		1
913	Network traffic self similarity measurements using classifier based Hurst parameter estimation. , 2010, , .		8
914	Testing Hypotheses about Sun-Climate Complexity Linking. Physical Review Letters, 2010, 104, 128501.	2.9	41
915	Effect of significant data loss on identifying electric signals that precede rupture estimated by detrended fluctuation analysis in natural time. Chaos, 2010, 20, 033111.	1.0	18
916	Statistical properties of detrended fluctuation analysis. Journal of Statistical Computation and Simulation, 2010, 80, 625-641.	0.7	18
917	AUTOREGRESSIVE MODELING OF BIOLOGICAL PHENOMENA. Biophysical Reviews and Letters, 2010, 05, 109-128.	0.9	1
918	EMPIRICAL MODE DECOMPOSITION AND CORRELATION PROPERTIES OF TRAFFIC FLUCTUATION. Fluctuation and Noise Letters, 2010, 09, 167-178.	1.0	2
919	NON-GAUSSIAN STATISTICS OF OIL PRICING TIME-SERIES: A CASE STUDY. Fractals, 2010, 18, 101-110.	1.8	4
920	MODELING CROSS-CORRELATIONS OF TRAFFIC FLOW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3323-3328.	0.7	3
921	Multifractal properties of ECG patterns of patients suffering from congestive heart failure. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P12021.	0.9	44
922	Correlated walks down the Babylonian markets. Europhysics Letters, 2010, 90, 18004.	0.7	15
923	EEG PATTERN OF NORMAL AND EPILEPTIC RATS: MONOFRACTAL OR MULTIFRACTAL?. Fractals, 2010, 18, 425-431.	1.8	25
924	Earthquake-like patterns of acoustic emission in crumpled plastic sheets. Europhysics Letters, 2010, 92, 29001.	0.7	14

#	ARTICLE	IF	CITATIONS
925	MODELING THE EFFECT OF PRIVATIZATION ON BEHAVIOR OF HURST EXPONENT USING STOCHASTIC CATASTROPHE THEORY. International Journal of Modern Physics C, 2010, 21, 583-592.	0.8	2
926	MONOFRACTAL AND MULTIFRACTAL SCALING ANALYSIS OF pH TIME SERIES FROM DONGTING LAKE INLET AND OUTLET. Fractals, 2010, 18, 309-317.	1.8	6
927	CONSTRUCTING CROSSOVER-FRACTALS USING INTRINSIC MODE FUNCTIONS. Advances in Adaptive Data Analysis, 2010, 02, 509-520.	0.6	4
928	Multifractal Detrended Fluctuation Analysis of Network Traffic. , 2010, , .		0
929	Predictability: Beginning from the information entropy. , 2010, , .		0
930	The Temporal Variation of PM10 Pollution Indexes: Fractal and Multifractal Aspects. , 2010, , .		1
931	Detrended fluctuation analysis of numerical density and viscous fingering patterns. Europhysics Letters, 2010, 92, 64002.	0.7	9
932	Fractals and Hidden Symmetries in DNA. Mathematical Problems in Engineering, 2010, 2010, 1-31.	0.6	64
933	Effect of Trends on Detrended Fluctuation Analysis of Precipitation Series. Mathematical Problems in Engineering, 2010, 2010, 1-15.	0.6	21
934	Scaling in Different Dynamic Regimes of a Multi-agent Stock Market Model. , 2010, , .		0
935	Purchasing power parity over a century. Journal of Economic Studies, 2010, 37, 117-144.	1.0	10
936	Multifractal Structure in China's Foreign Exchange Market. , 2010, , .		0
937	Characteristics of long-term climate change in Beijing with Detrended Fluctuation Analysis. , 2010, , .		1
938	Recurrence interval analysis of high-frequency financial returns and its application to risk estimation. New Journal of Physics, 2010, 12, 075030.	1.2	37
939	Order parameter fluctuations of seismicity in natural time before and after mainshocks. Europhysics Letters, 2010, 91, 59001.	0.7	72
940	Financial networks with static and dynamic thresholds. New Journal of Physics, 2010, 12, 043057.	1.2	49
941	Empirical mode decomposition and long-range correlation analysis of sunspot time series. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P12006.	0.9	18
942	Generation of teletraffic of generalized Cauchy type. Physica Scripta, 2010, 81, 025007.	1.2	31

#	ARTICLE	IF	CITATIONS
943	Hierarchical multiple sensor fusion using structurally learned Bayesian network. , 2010, , .		11
944	Quantitative Estimation of the Nonstationary Behavior of Neural Spontaneous Activity. Computational Intelligence and Neuroscience, 2010, 2010, 1-9.	1.1	0
945	Long-range correlations in an online betting exchange for a football tournament. New Journal of Physics, 2010, 12, 105001.	1.2	30
946	A non-universal aspect in the temporal occurrence of earthquakes. New Journal of Physics, 2010, 12, 063010.	1.2	9
947	Time-lag cross-correlations in collective phenomena. Europhysics Letters, 2010, 90, 68001.	0.7	188
948	Multifractal temporally weighted detrended fluctuation analysis and its application in the analysis of scaling behavior in temperature series. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P06021.	0.9	43
949	Persistence Models. Atmospheric and Oceanographic Sciences Library, 2010, , 33-64.	0.1	0
950	Understanding bursty behavior in midlatitude geomagnetic activity. Journal of Geophysical Research, 2010, 115, .	3.3	27
951	Modeling and simulation of the horizontal component of the geomagnetic field by fractional stochastic differential equations in conjunction with empirical mode decomposition. Journal of Geophysical Research, 2010, 115, .	3.3	38
952	River flow fluctuation analysis: Effect of watershed area. Water Resources Research, 2010, 46, .	1.7	46
953	Detrending moving average algorithm for multifractals. Physical Review E, 2010, 82, 011136.	0.8	361
954	Complex intermittency blurred by noise: Theory and application to neural dynamics. Physical Review E, 2010, 82, 015103.	0.8	22
955	Studying the Time Scale Dependence of Environmental Variables Predictability Using Fractal Analysis. Environmental Science & Technology, 2010, 44, 4629-4634.	4.6	48
956	Fractal in fracture of bulk metallic glass. Intermetallics, 2010, 18, 2468-2471.	1.8	29
957	Analysis of efficiency for Shenzhen stock market: Evidence from the source of multifractality. International Review of Financial Analysis, 2010, 19, 237-241.	3.1	18
958	Cycles in the scaling properties of length-of-day variations. Journal of Geodynamics, 2010, 49, 105-110.	0.7	3
959	Fatigue estimation using a novel multi-fractal detrended fluctuation analysis-based approach. Journal of Electromyography and Kinesiology, 2010, 20, 433-439.	0.7	24
960	Detecting fractal power-law long-range dependence in pre-sliced cooked pork ham surface intensity patterns using Detrended Fluctuation Analysis. Meat Science, 2010, 86, 289-297.	2.7	11

#	ARTICLE	IF	CITATIONS
961	An empirical examination of detrended fluctuation analysis for gait data. <i>Gait and Posture</i> , 2010, 31, 336-340.	0.6	93
962	Fractal correlation of heart rate variability in obese children. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 155, 125-129.	1.4	34
963	Computational studies of some DNA-based photonic multilayered structures. <i>Computational Materials Science</i> , 2010, 49, S99-S103.	1.4	1
964	Measurement and estimation of traffic oscillation properties. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 1-14.	2.8	105
965	Epilepsy as a dynamic disease: A tutorial of the past with an eye to the future. <i>Epilepsy and Behavior</i> , 2010, 18, 33-44.	0.9	39
967	Tracking burst patterns in hippocampal cultures with high-density CMOS-MEAs. <i>Journal of Neural Engineering</i> , 2010, 7, 056001.	1.8	57
968	Improving FPGA Placement With Dynamically Adaptive Stochastic Tunneling. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2010, 29, 1858-1869.	1.9	13
969	Nonextensivity and natural time: The case of seismicity. <i>Physical Review E</i> , 2010, 82, 021110.	0.8	114
970	Multifractal detrended fluctuation analysis of SENSEX fluctuation in the Indian stock market. <i>Canadian Journal of Physics</i> , 2010, 88, 545-551.	0.4	19
971	An automated program for mental stress and apnea/hypopnea events detection. , 2011, , ,		1
972	Temporal Scaling Behavior of Avian Influenza A (H5N1): The Multifractal Detrended Fluctuation Analysis. <i>Annals of the American Association of Geographers</i> , 2011, 101, 1221-1240.	3.0	10
973	Hurst exponents for short time series. <i>Physical Review E</i> , 2011, 84, 066114.	0.8	24
974	Scaling Behavior of Time Series and an Empirical Indication to Financial Prediction. , 2011, , ,		0
975	Fractional Behavior in Element Grade Series: An Application of Detrended Fluctuation Analysis. , 2011, , ,		0
976	Long memory characteristic of volatility based on stable distribution. , 2011, , ,		0
977	\hat{L} -stable laws for noncoding regions in DNA sequences. <i>Journal of Applied Statistics</i> , 2011, 38, 261-271.	0.6	7
979	Alternative Estimators of Long-Range Dependence. <i>Studies in Nonlinear Dynamics and Econometrics</i> , 2011, 15, .	0.2	2
980	Statistical tests for power-law cross-correlated processes. <i>Physical Review E</i> , 2011, 84, 066118.	0.8	389

#	ARTICLE	IF	CITATIONS
981	Scaling and universality in river flow dynamics. Europhysics Letters, 2011, 94, 58002.	0.7	4
982	Nonextensivity and self-affinity in the mammalian neuromuscular junction. Physical Review E, 2011, 84, 041925.	0.8	6
983	Bayesian estimation of self-similarity exponent. Physical Review E, 2011, 84, 021109.	0.8	23
984	Distribution of natural trends in long-term correlated records: A scaling approach. Physical Review E, 2011, 84, 021129.	0.8	47
985	High-level organization of isochores into gigantic superstructures in the human genome. Physical Review E, 2011, 83, 031908.	0.8	20
986	Oxygen-Dependent Auto-Oscillations of Water Luminescence Triggered by the 1264 nm Radiation. Journal of Physical Chemistry B, 2011, 115, 7693-7698.	1.2	53
987	Relationships of exponents in multifractal detrended fluctuation analysis and conventional multifractal analysis. Chinese Physics B, 2011, 20, 090507.	0.7	15
988	Comparison of fractal and power spectral EEG features: Effects of topography and sleep stages. Brain Research Bulletin, 2011, 84, 359-375.	1.4	49
989	Can GARCH-class models capture long memory in WTI crude oil markets?. Economic Modelling, 2011, 28, 921-927.	1.8	44
990	Recurrent perseveration correlates with abnormal repetitive locomotion in adult mink but is not reduced by environmental enrichment. Behavioural Brain Research, 2011, 224, 213-222.	1.2	32
991	Coupling detrended fluctuation analysis for analyzing coupled nonstationary signals. Physical Review E, 2011, 84, 021138.	0.8	58
992	Detrended fluctuation analysis of vibration signals for bearing fault detection. , 2011, , .		11
993	On the robustness of Hurst estimators. IET Signal Processing, 2011, 5, 209.	0.9	32
994	Bayesian estimation of the self-similarity exponent of the Nile River fluctuation. Nonlinear Processes in Geophysics, 2011, 18, 441-446.	0.6	6
995	Entropy of geoelectrical time series in the natural time domain. Natural Hazards and Earth System Sciences, 2011, 11, 219-225.	1.5	28
996	Time Scales in Futures Markets and Applications. SSRN Electronic Journal, 2011, , .	0.4	4
997	Trading Activity and Price Impact in Parallel Markets: SETS vs. Off-Book Market at the London Stock Exchange. SSRN Electronic Journal, 0, , .	0.4	1
998	The Effect of Round-off Error on Long Memory Processes. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
999	Time series analysis of monthly rainfall in Nigeria with emphasis on self-organized criticality. <i>Journal of Science and Technology (Ghana)</i> , 2011, 31, .	0.4	4
1000	Extreme events and long-range correlations in space weather. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 719-725.	0.6	11
1001	Heart Rate Variability and Non-Linear Dynamics in Risk Stratification. <i>Frontiers in Physiology</i> , 2011, 2, 81.	1.3	40
1002	Minding Impacting Events in a Model of Stochastic Variance. <i>PLoS ONE</i> , 2011, 6, e18149.	1.1	1
1003	Universal Entropy of Word Ordering Across Linguistic Families. <i>PLoS ONE</i> , 2011, 6, e19875.	1.1	56
1004	Multichannel Detrended Fluctuation Analysis Reveals Synchronized Patterns of Spontaneous Spinal Activity in Anesthetized Cats. <i>PLoS ONE</i> , 2011, 6, e26449.	1.1	20
1005	Air-chemistry "turbulence"; power-law scaling and statistical regularity. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8395-8413.	1.9	9
1006	Fast network oscillations inâ€fvitro exhibit a slow decay of temporal auto-correlations. <i>European Journal of Neuroscience</i> , 2011, 34, 394-403.	1.2	19
1007	The record of tidal cycles in mixed siliciâ€“bioclastic deposits: examples from small Plioâ€“Pleistocene peripheral basins of the microtidal Central Mediterranean Sea. <i>Sedimentology</i> , 2011, 58, 691-719.	1.6	64
1008	Detrended fluctuation analysis of daily atmospheric surface temperature records in Atlantic Canada. <i>Canadian Geographer / Geographie Canadien</i> , 2011, 55, 180-191.	1.0	6
1009	Causality, Criticality, and Reading Words: Distinct Sources of Fractal Scaling in Behavioral Sequences. <i>Cognitive Science</i> , 2011, 35, 785-837.	0.8	10
1010	Evaluation of principal component analysis and neural network performance for bearing fault diagnosis from vibration signal processed by RS and DF analyses. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 1765-1772.	4.4	91
1011	Identifying long-range correlated signals upon significant periodic data loss. <i>Tectonophysics</i> , 2011, 503, 189-194.	0.9	8
1012	Comparison of detrending methods for fluctuation analysis in hydrology. <i>Journal of Hydrology</i> , 2011, 400, 121-132.	2.3	43
1013	Scaling behavior of the fluctuations in stream flow at the outlet of karstic watersheds, France. <i>Journal of Hydrology</i> , 2011, 410, 162-168.	2.3	37
1014	Scaling analysis of phase fluctuations in experimental three-phase flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3541-3550.	1.2	15
1015	Effects of coarse-graining on the scaling behavior of long-range correlated and anti-correlated signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4057-4072.	1.2	39
1016	Analysis of the efficiency of the Shanghai stock market: A volatility perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3486-3495.	1.2	16

#	ARTICLE	IF	CITATIONS
1017	Multifractal detrending moving average analysis on the US Dollar exchange rates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3512-3523.	1.2	92
1018	A multifractal detrended fluctuation analysis of trading behavior of individual and institutional traders in Tehran stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3815-3825.	1.2	21
1019	A copula-based multifractal volatility hedging model for CSI 300 index futures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4260-4272.	1.2	26
1020	Modified detrended fluctuation analysis based on empirical mode decomposition for the characterization of anti-persistent processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4388-4395.	1.2	80
1021	The influence of liquidity on informational efficiency: The case of the Thai Stock Market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4426-4432.	1.2	27
1022	Approaching complexity by stochastic methods: From biological systems to turbulence. <i>Physics Reports</i> , 2011, 506, 87-162.	10.3	258
1023	In-phase dynamics of the exhalation sequence in Popocatepetl volcano and slow-slip events in Cocos-North American plate boundary. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 200, 83-90.	0.8	5
1024	Detection of Cirrus Clouds Using Infrared Radiometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 595-602.	2.7	18
1025	Scaling analysis of baseline dual-axis cervical accelerometry signals. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 103, 113-120.	2.6	5
1026	Dynamics of TGF- β 2 induced epithelial-to-mesenchymal transition monitored by Electric Cell-Substrate Impedance Sensing. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 2099-2107.	1.9	33
1027	Multifractality and singularity of 8B solar neutrino flux signals from Sudbury Neutrino Observatory. <i>IET Signal Processing</i> , 2011, 5, 690.	0.9	6
1028	Computer simulation of macromolecular systems with amphiphilic monomer units: Biomimetic models. <i>Polymer Science - Series A</i> , 2011, 53, 846-866.	0.4	26
1029	Fractal fluctuations in gaze speed visual search. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 666-677.	0.7	41
1030	Transfer of calibration between hand and foot: Functional equivalence and fractal fluctuations. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 1302-1328.	0.7	55
1031	Communication activity in social networks: growth and correlations. <i>European Physical Journal B</i> , 2011, 84, 147-159.	0.6	15
1032	Characterization of the evolution of recrystallization by fluctuation and fractal analyses of the magnetic hysteresis loop in a cold rolled non-oriented electric steel. <i>Journal of Materials Science</i> , 2011, 46, 3282-3290.	1.7	10
1033	Nonparametric testing of variability and trend in some climatic records. <i>Climatic Change</i> , 2011, 109, 549-568.	1.7	10
1034	Long memory in temperature reconstructions. <i>Climatic Change</i> , 2011, 107, 247-265.	1.7	28

#	ARTICLE	IF	CITATIONS
1035	Scaling analysis of bilateral hand tremor movements in essential tremor patients. Journal of Neural Transmission, 2011, 118, 1227-1234.	1.4	3
1036	Optimal Timing in Screening Patients with Congestive Heart Failure and Healthy Subjects During Circadian Observation. Annals of Biomedical Engineering, 2011, 39, 835-849.	1.3	14
1037	DCCA cross-correlation coefficient: Quantifying level of cross-correlation. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 614-618.	1.2	457
1038	Temporal evolution into a more efficient stock market. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2002-2008.	1.2	7
1039	Forecasting volatility in Shanghai and Shenzhen markets based on multifractal analysis. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2926-2935.	1.2	25
1040	Statistical properties of one-dimensional binary sequences with power-law power spectrum. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2977-2986.	1.2	5
1041	English and Chinese language frequency time series analysis. Science Bulletin, 2011, 56, 3717-3722.	1.7	4
1042	Complexity measures of brain wave dynamics. Cognitive Neurodynamics, 2011, 5, 171-182.	2.3	83
1043	Generating signals with multiscale time irreversibility: The asymmetric weierstrass function. Complexity, 2011, 16, 29-38.	0.9	21
1044	Analysis of pressure fluctuations in fluidized beds. I. Similarities with turbulent flow. Chemical Engineering Science, 2011, 66, 2627-2636.	1.9	12
1045	Strong anticipation: Multifractal cascade dynamics modulate scaling in synchronization behaviors. Chaos, Solitons and Fractals, 2011, 44, 160-168.	2.5	100
1046	On the dynamics of bubbles in boiling water. Chaos, Solitons and Fractals, 2011, 44, 178-183.	2.5	2
1047	Effects of fast noises on long-range correlations. Computer Physics Communications, 2011, 182, 237-239.	3.0	1
1048	Multifractal analysis of China's agricultural commodity futures markets. Energy Procedia, 2011, 5, 1920-1926.	1.8	16
1049	Multifractal features of spot rates in the Liquid Petroleum Gas shipping market. Energy Economics, 2011, 33, 88-98.	5.6	30
1050	Analysis of the efficiency and multifractality of gold markets based on multifractal detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 817-827.	1.2	113
1051	Memory effect and multifractality of cross-correlations in financial markets. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 828-836.	1.2	12
1052	Detrended fluctuation analysis on spot and futures markets of West Texas Intermediate crude oil. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 864-875.	1.2	124

#	ARTICLE	IF	CITATIONS
1053	Scaling characteristics of ocean wave height time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 981-989.	1.2	12
1054	Commodity predictability analysis with a permutation information theory approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 876-890.	1.2	71
1055	Study of cross-correlation in a self-affine time series of taxi accidents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1677-1683.	1.2	43
1056	Analysis of stock prices of mining business. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2340-2349.	1.2	1
1057	Multifractal moving average analysis and test of multifractal model with tuned correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2637-2654.	1.2	82
1058	Interest rates factor model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2531-2548.	1.2	5
1059	A hybrid detrending method for fractional Gaussian noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2995-3001.	1.2	10
1060	Scaling analysis of the effects of load on hand tremor movements in essential tremor. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1741-1746.	1.2	5
1061	Long-term correlations and multifractal nature in the intertrade durations of a liquid Chinese stock and its warrant. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1646-1654.	1.2	47
1062	Scaling, multifractality, and long-range correlations in well log data of large-scale porous media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2096-2111.	1.2	33
1063	Fluctuation analysis of solar radio bursts associated with geoeffective X-class flares. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1311-1316.	0.6	15
1064	Self similarity analysis via fractional Fourier transform. <i>Simulation Modelling Practice and Theory</i> , 2011, 19, 986-995.	2.2	1
1065	Multi-scale coding of genomic information: From DNA sequence to genome structure and function. <i>Physics Reports</i> , 2011, 498, 45-188.	10.3	108
1066	Understanding as well as characterization of erratic interspike dynamics in semiconductor devices. <i>Solid State Communications</i> , 2011, 151, 135-138.	0.9	1
1067	Scale-specific order parameter fluctuations of seismicity in natural time before mainshocks. <i>Europhysics Letters</i> , 2011, 96, 59002.	0.7	99
1068	The soundscape dynamics of human agglomeration. <i>New Journal of Physics</i> , 2011, 13, 023028.	1.2	5
1069	CHARACTERIZATION OF CAST IRON MICROSTRUCTURE THROUGH THE STATISTICAL FLUCTUATION AND FRACTAL ANALYSES OF ULTRASONIC BACKSCATTERED SIGNALS. , 2011, , .		1
1070	Financial factor influence on scaling and memory of trading volume in stock market. <i>Physical Review E</i> , 2011, 84, 046112.	0.8	36

#	ARTICLE	IF	CITATIONS
1071	Long-range correlation in cosmic microwave background radiation. Physical Review E, 2011, 84, 021103.	0.8	24
1072	Improved unfolding by detrending of statistical fluctuations in quantum spectra. Physical Review E, 2011, 84, 016203.	0.8	24
1073	Arbitrary-order Hilbert spectral analysis for time series possessing scaling statistics: Comparison study with detrended fluctuation analysis and wavelet leaders. Physical Review E, 2011, 84, 016208.	0.8	84
1074	Quantifying and modeling long-range cross correlations in multiple time series with applications to world stock indices. Physical Review E, 2011, 83, 046121.	0.8	109
1076	Suppression of localization in a two-leg ladder model with correlated binary disorder. Physical Review B, 2011, 83, .	1.1	16
1077	Universal patterns in sound amplitudes of songs and music genres. Physical Review E, 2011, 83, 017101.	0.8	11
1078	Long-range persistence of temperature records induced by long-term climatic phenomena. Physical Review E, 2011, 84, 046103.	0.8	12
1079	Analysis of porosity distribution of large-scale porous media and their reconstruction by Langevin equation. Physical Review E, 2011, 83, 026309.	0.8	7
1080	Self-similarity of higher-order moving averages. Physical Review E, 2011, 84, 046113.	0.8	29
1081	Multifractal detrending moving-average cross-correlation analysis. Physical Review E, 2011, 84, 016106.	0.8	312
1082	Revealing competitive behaviours in music by means of the multifractal detrended fluctuation analysis: application to Bach's Sinfonias. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 3022-3032.	1.0	23
1083	Detrended fluctuation analysis of membrane flickering in discocyte and spherocyte red blood cells using quantitative phase microscopy. Journal of Biomedical Optics, 2011, 16, 076009.	1.4	9
1084	Detrended cross-correlation analysis for non-stationary time series with periodic trends. Europhysics Letters, 2011, 94, 18007.	0.7	290
1085	Preliminary research on the relationship between long-range correlations and predictability. Chinese Physics B, 2011, 20, 019201.	0.7	9
1086	Probing tissue multifractality using wavelet based multifractal detrended fluctuation analysis: Applications in precancer detection. , 2011, , .		4
1088	Effects of quantization on detrended fluctuation analysis. Chinese Physics B, 2011, 20, 050503.	0.7	3
1089	Diurnal Variation in Heart Rate Variability before and after Maximal Exercise Testing. Chronobiology International, 2011, 28, 344-351.	0.9	20
1090	Research on long memory of realized volatility measurements in China Stock Market. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
1091	Effect of beta-blockers on the heart rhythm complexity in children. , 2011, , .		0
1092	Scale-Free Properties of the Functional Magnetic Resonance Imaging Signal during Rest and Task. Journal of Neuroscience, 2011, 31, 13786-13795.	1.7	371
1093	HEAVY-TAILED DISTRIBUTION AND LOCAL LONG MEMORY IN TIME SERIES OF MOLECULAR MOTION ON THE CELL MEMBRANE. Fluctuation and Noise Letters, 2011, 10, 93-119.	1.0	12
1094	THE ORTHOGONAL V-SYSTEM DETRENDED FLUCTUATION ANALYSIS. Fluctuation and Noise Letters, 2011, 10, 189-206.	1.0	4
1095	DIFFICULTIES IN THE USE OF DFA TO CHARACTERIZE PETROLEUM RESERVOIRS. International Journal of Modern Physics C, 2011, 22, 123-131.	0.8	4
1096	MINIMIZING PERIODIC TRENDS BY APPLYING LAPLACE TRANSFORM. Fractals, 2011, 19, 203-211.	1.8	5
1097	EFFECT OF LINEAR AND NONLINEAR FILTERS ON MULTIFRACTAL DETRENDED CROSS-CORRELATION ANALYSIS. Fractals, 2011, 19, 443-453.	1.8	28
1098	PREDICTING CLIMATE TIPPING AS A NOISY BIFURCATION: A REVIEW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 399-423.	0.7	117
1099	A wavelet domain detail compensation filtering technique for InSAR interferograms. International Journal of Remote Sensing, 2011, 32, 7985-7995.	1.3	5
1100	A multi-assets artificial stock market with zero-intelligence traders. Europhysics Letters, 2011, 93, 28002.	0.7	27
1101	Viewing Sea Level by a One-Dimensional Random Function with Long Memory. Mathematical Problems in Engineering, 2011, 2011, 1-13.	0.6	47
1102	Complexity on Acute Myeloid Leukemia mRNA Transcript Variant. Mathematical Problems in Engineering, 2011, 2011, 1-16.	0.6	12
1103	Towards Driver's State Recognition on Real Driving Conditions. International Journal of Vehicular Technology, 2011, 2011, 1-14.	1.1	69
1105	Vibration Analysis Based Feature Extraction for Bearing Fault Detection. Applied Mechanics and Materials, 0, 197, 124-128.	0.2	2
1106	Method of Fault Character Extraction for Diesel Engine Based on Multivariate Time Series. Applied Mechanics and Materials, 0, 151, 661-664.	0.2	0
1107	Pitfalls in fractal time series analysis: fMRI BOLD as an exemplary case. Frontiers in Physiology, 2012, 3, 417.	1.3	52
1108	Effect of growth rate and thickness on kinetic roughening and multifractal properties of electrodeposited Ni thin films. Surface Engineering, 2012, 28, 667-673.	1.1	7
1109	Emotional persistence in online chatting communities. Scientific Reports, 2012, 2, 402.	1.6	92

#	ARTICLE	IF	CITATIONS
1110	Monofractality of the Time Series Generated by Golden Section. <i>Advanced Materials Research</i> , 0, 430-432, 1721-1724.	0.3	0
1111	Entropy and Multifractality for the Myeloma Multiple TET 2 Gene. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-14.	0.6	18
1112	A tutorial introduction to adaptive fractal analysis. <i>Frontiers in Physiology</i> , 2012, 3, 371.	1.3	81
1113	Quantifying Fractal Dynamics of Metallogenic Systems with Detrended Fluctuation Analysis. <i>Applied Mechanics and Materials</i> , 2012, 249-250, 26-30.	0.2	1
1114	Formation Mechanism of the Accumulative Magnification Effect in a Financial Time Series. <i>Chinese Physics Letters</i> , 2012, 29, 038903.	1.3	1
1115	Correlation Properties Applied Detrended Fluctuation Analysis Method for Cue-induced EEG in Drug Dependence. , 2012, , .		0
1116	Effects of long memory in the order submission process on the properties of recurrence intervals of large price fluctuations. <i>Europhysics Letters</i> , 2012, 98, 38003.	0.7	40
1117	Bayesian estimation of the scaling parameter of fixational eye movements. <i>Europhysics Letters</i> , 2012, 100, 40003.	0.7	2
1118	Statistical approaches and hydrochemical modelling of groundwater system in a small tropical island. <i>Journal of Hydroinformatics</i> , 2012, 14, 206-220.	1.1	34
1119	Asymmetric information flow between market index and individual stocks in several stock markets. <i>Europhysics Letters</i> , 2012, 97, 28007.	0.7	31
1120	Genomic data visualization. , 2012, , .		4
1121	Dual Fractal Dimension and Long-Range Correlation of Chinese Stock Prices. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 034801.	0.7	4
1122	Evaluation of scale invariance in physiological signals by means of balanced estimation of diffusion entropy. <i>Physical Review E</i> , 2012, 86, 056107.	0.8	22
1123	Phase transitions in the first-passage time of scale-invariant correlated processes. <i>Physical Review E</i> , 2012, 85, 011139.	0.8	27
1124	Anomalous diffusion and long-range correlations in the score evolution of the game of cricket. <i>Physical Review E</i> , 2012, 86, 022102.	0.8	29
1125	Culturomics meets random fractal theory: insights into long-range correlations of social and natural phenomena over the past two centuries. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1956-1964.	1.5	99
1126	Evaluation of severity of Parkinson's disease using stride interval variability. , 2012, , .		3
1127	Multiscale multifractal analysis of heart rate variability recordings with a large number of occurrences of arrhythmia. <i>Physical Review E</i> , 2012, 85, 021915.	0.8	125

#	ARTICLE	IF	CITATIONS
1128	Trading activity and price impact in parallel markets: SETS vs. off-book market at the London Stock Exchange. <i>Quantitative Finance</i> , 2012, 12, 517-530.	0.9	4
1129	Autocorrelation studies for the first 2+nuclear energy levels. <i>Physical Review C</i> , 2012, 85, .	1.1	1
1130	FRACTAL MARKETS HYPOTHESIS AND THE GLOBAL FINANCIAL CRISIS: SCALING, INVESTMENT HORIZONS AND LIQUIDITY. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2012, 15, 1250065.	0.9	67
1131	Complex Behavior in an Integrate-and-Fire Neuron Model Based on Assortative Scale-Free Networks. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 457-464.	0.3	0
1132	SCALING AND COMPLEXITY-ENTROPY ANALYSIS IN DISCRIMINATING TRAFFIC DYNAMICS. <i>Fractals</i> , 2012, 20, 233-243.	1.8	11
1133	MULTIFRACTALITY OF RADON CONCENTRATION FLUCTUATION IN EARTHQUAKE RELATED SIGNAL. <i>Fractals</i> , 2012, 20, 33-39.	1.8	29
1134	Self-Similar Behavior of Highway Road Traffic and Performance Analysis at Toll Plazas. <i>Journal of Transportation Engineering</i> , 2012, 138, 1233-1238.	0.9	9
1135	Multiscale analysis to facilitate joint chaos and fractal analysis of biosignals. , 2012, , .		1
1136	Two-Dimensional Matrix Algorithm Using Detrended Fluctuation Analysis to Distinguish Burkitt and Diffuse Large B-Cell Lymphoma. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-8.	0.7	5
1137	SCALER MODE OF THE AUGER OBSERVATORY AND SUNSPOTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 202, 16.	3.0	3
1138	Remarkable changes in the distribution of the order parameter of seismicity before mainshocks. <i>Europhysics Letters</i> , 2012, 100, 39002.	0.7	17
1139	Damped oscillations in the ratios of stock market indices. <i>Europhysics Letters</i> , 2012, 97, 48009.	0.7	14
1140	Scale-specific order parameter fluctuations of seismicity before mainshocks: Natural time and Detrended Fluctuation Analysis. <i>Europhysics Letters</i> , 2012, 99, 59001.	0.7	41
1141	Bladed disc crack diagnostics using blade passage signals. <i>Measurement Science and Technology</i> , 2012, 23, 125003.	1.4	8
1142	Research on Network Traffic Modeling and Applications. <i>Advanced Engineering Forum</i> , 0, 6-7, 836-842.	0.3	0
1143	Robustness of estimators of long-range dependence and self-similarity under non-Gaussianity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 1250-1267.	1.6	41
1144	Multiscale Analysis of Biological Data by Scale-Dependent Lyapunov Exponent. <i>Frontiers in Physiology</i> , 2011, 2, 110.	1.3	27
1145	Precipitation and River Flow: Long-Term Memory and Predictability of Extreme Events. <i>Geophysical Monograph Series</i> , 2012, , 139-152.	0.1	14

#	ARTICLE	IF	CITATIONS
1146	Statistical Laws Governing Fluctuations in Word Use from Word Birth to Word Death. Scientific Reports, 2012, 2, 313.	1.6	89
1147	Wavelet-based multifractal analysis of laser biopsy imagery. Proceedings of SPIE, 2012, , .	0.8	3
1148	Scale-invariant structure of size fluctuations in plants. Scientific Reports, 2012, 2, 328.	1.6	3
1149	Correlations in Complex Systems. , 2012, , 705-723.		1
1150	Communication activity in a social network: relation between long-term correlations and inter-event clustering. Scientific Reports, 2012, 2, 560.	1.6	70
1151	Rotation algorithm: Generation of Gaussian self-similar stochastic processes. Physical Review E, 2012, 86, 066704.	0.8	0
1152	Modeling the time-changing dependence in stock markets. Chaos, Solitons and Fractals, 2012, 45, 1510-1520.	2.5	13
1153	Tracking performance and robustness analysis of Hurst estimators for multifractional processes. IET Signal Processing, 2012, 6, 213.	0.9	6
1154	Estimation of persistence and trends in geostrophic wind speed for the assessment of wind energy yields in Northwest Europe. Climate Dynamics, 2012, 39, 767-782.	1.7	19
1155	Surface air temperature in the Canadian Arctic: scaling and pattern change. Meteorology and Atmospheric Physics, 2012, 118, 179-188.	0.9	7
1156	Using detrended fluctuation analysis (DFA) to analyze whether vibratory insoles enhance balance stability for elderly fallers. Archives of Gerontology and Geriatrics, 2012, 55, 673-676.	1.4	35
1157	Analysis of Multifractals in Game Behaviors. Procedia Computer Science, 2012, 9, 1410-1415.	1.2	0
1158	Modelling techniques for analysis of human activity patterns. , 2012, , .		1
1159	Power law correlations in time series of wild-land and forest fires in Brazil. International Journal of Remote Sensing, 2012, 33, 2059-2067.	1.3	4
1160	Recognition of mental task with the analysis of long-range temporal correlations on EEG brain oscillation. , 2012, , .		7
1161	Evaluation the day-of-the-week effect using long range dependence measures. , 2012, , .		0
1162	Attentional and emotional tasks: gender differences in heart rate variability detected by short-term detrended fluctuation analysis. , 2012, , .		0
1163	MULTIFRACTAL CROSS-CORRELATION ANALYSIS BASED ON STATISTICAL MOMENTS. Fractals, 2012, 20, 271-279.	1.8	117

#	ARTICLE	IF	CITATIONS
1164	Classification of Parkinson's disease patients' gait variability. , 2012, , .		3
1165	FARIMA processes with application to biophysical data. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P05015.	0.9	18
1166	Comparing the performance of FA, DFA and DMA using different synthetic long-range correlated time series. Scientific Reports, 2012, 2, 835.	1.6	145
1167	Temporal pattern of locomotor activity recuperation after administration of propofol in Japanese quail (<i>Coturnix coturnix japonica</i>). Research in Veterinary Science, 2012, 93, 156-162.	0.9	12
1168	A partisan effect in the efficiency of the US stock market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4923-4932.	1.2	7
1169	On the length of stabilograms: A study performed with detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4933-4942.	1.2	5
1170	Universal scaling behaviors of meteorological variables' volatility and relations with original records. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4953-4962.	1.2	8
1171	Evaluation of the temporal structure of postural sway fluctuations based on a comprehensive set of analysis tools. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4692-4703.	1.2	53
1172	Multifractal detrended cross-correlations between the Chinese exchange market and stock market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4855-4866.	1.2	122
1173	Generalized Hurst exponent and multifractal function of original and translated texts mapped into frequency and length time series. Physical Review E, 2012, 86, 031108.	0.8	61
1174	Temporal and spatial variations of seismicity scaling behavior in Southern MÃ©xico. Journal of Geodynamics, 2012, 54, 1-12.	0.7	18
1175	A comparative analysis of the informational efficiency of the fixed income market in seven European countries. Economics Letters, 2012, 116, 426-428.	0.9	39
1176	What can we learn from the history of gasoline crack spreads?: Long memory, structural breaks and modeling implications. Economic Modelling, 2012, 29, 349-360.	1.8	12
1177	Characteristics of temporal fluctuation of the vertical ground reaction force during quiet stance in Parkinson's disease. Gait and Posture, 2012, 35, 308-311.	0.6	29
1178	Segmentation of time series with long-range fractal correlations. European Physical Journal B, 2012, 85, 1.	0.6	26
1179	Estimation of the Hurst exponent from noisy data: a Bayesian approach. European Physical Journal B, 2012, 85, 1.	0.6	6
1180	Multifractal detrended fluctuation analysis and local scale exponents of inter spike intervals. , 2012, , .		0
1181	Conformation-Dependent Design of Synthetic Functional Copolymers. , 2012, , 689-723.		3

#	ARTICLE	IF	CITATIONS
1182	Scaling behavior of online human activity. Europhysics Letters, 2012, 100, 48004.	0.7	25
1183	Determination of the dynamical behavior of rainfalls by using a multifractal detrended fluctuation analysis. Journal of the Korean Physical Society, 2012, 61, 658-661.	0.3	5
1184	Detrended Fluctuation Analysis: A Scale-Free View on Neuronal Oscillations. Frontiers in Physiology, 2012, 3, 450.	1.3	328
1185	A study of Shanghai fuel oil futures price volatility based on high frequency data: Long-range dependence, modeling and forecasting. Economic Modelling, 2012, 29, 2245-2253.	1.8	38
1186	Is there long-range memory in solar activity on timescales shorter than the sunspot period?. Journal of Geophysical Research, 2012, 117, .	3.3	12
1187	Observations reveal external driver for Arctic sea-ice retreat. Geophysical Research Letters, 2012, 39, .	1.5	137
1188	Large deviations estimates for the multiscale analysis of heart rate variability. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5658-5671.	1.2	17
1189	Breaks or long memory behavior: An empirical investigation. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5712-5726.	1.2	39
1190	Fluctuations in Wikipedia access-rate and edit-event data. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6101-6111.	1.2	13
1191	Long memory in energy futures markets: Further evidence. Resources Policy, 2012, 37, 261-272.	4.2	38
1192	Evaluating fractal behavior in groundwater level fluctuations time series. Journal of Hydrology, 2012, 464-465, 550-556.	2.3	23
1193	Diffusion Scaling in Event-Driven Random Walks: An Application to Turbulence. Reports on Mathematical Physics, 2012, 70, 205-220.	0.4	12
1194	Intrinsic properties of Sahel precipitation anomalies and rainfall. Theoretical and Applied Climatology, 2012, 109, 627-633.	1.3	75
1195	Detection of a long-range correlation with an adaptive detrending method. Physical Review E, 2012, 86, 011135.	0.8	2
1196	Revisiting detrended fluctuation analysis. Scientific Reports, 2012, 2, 315.	1.6	188
1197	RASS: A Portable Real-time Automatic Sleep Scoring System. , 2012, , .		11
1198	Low-Frequency Weather and the Emergence of the Climate. Geophysical Monograph Series, 2012, , 231-254.	0.1	45
1199	High-frequency trading model for a complex trading hierarchy. Quantitative Finance, 2012, 12, 559-566.	0.9	19

#	ARTICLE	IF	CITATIONS
1200	Geometrical exponents of contour loops on synthetic multifractal rough surfaces: Multiplicative hierarchical cascade model. <i>Physical Review E</i> , 2012, 85, 031113.	0.8	18
1201	Use of Motor Abundance in Young and Older Adults during Dual-Task Treadmill Walking. <i>PLoS ONE</i> , 2012, 7, e41306.	1.1	32
1202	Multifractal detrended fluctuation analysis in examining scaling properties of the spatial patterns of soil water storage. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 227-238.	0.6	45
1203	Scaling in cognitive performance reflects multiplicative multifractal cascade dynamics. <i>Frontiers in Physiology</i> , 2012, 3, 102.	1.3	24
1204	Detection of Fractal Behavior in Temporal Series of Synaptic Quantal Release Events: A Feasibility Study. <i>Computational Intelligence and Neuroscience</i> , 2012, 2012, 1-9.	1.1	10
1205	Limit Order Books. <i>SSRN Electronic Journal</i> , 2012, , .	0.4	11
1206	Haar wavelets, fluctuations and structure functions: convenient choices for geophysics. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 513-527.	0.6	65
1207	Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 113-126.	0.6	14
1208	On the Estimation of Natural and Anthropogenic Trends in Climate Records. <i>Geophysical Monograph Series</i> , 2012, , 177-189.	0.1	4
1209	Order parameter fluctuations in natural time and α -value variation before large earthquakes. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3473-3481.	1.5	28
1210	Correlation and Persistence in Global Solar Radiation. , 0, , .		1
1211	Scaling of seismic memory with earthquake size. <i>Physical Review E</i> , 2012, 86, 011107.	0.8	18
1212	Design and Development of a Heart Rate Variability Analyzer. <i>Journal of Medical Systems</i> , 2012, 36, 1365-1371.	2.2	10
1213	Multifractal Detrended Cross-Correlation Analysis of BVP model time series. <i>Nonlinear Dynamics</i> , 2012, 69, 263-273.	2.7	29
1214	Effect of extreme value loss on long-term correlated time series. <i>Theoretical and Applied Climatology</i> , 2012, 109, 133-140.	1.3	4
1215	Subarea characteristics of the long-range correlations and the index β for daily temperature records over China. <i>Theoretical and Applied Climatology</i> , 2012, 109, 261-270.	1.3	11
1216	Heart Rate Regulation Processed Through Wavelet Analysis and Change Detection: Some Case Studies. <i>Acta Biotheoretica</i> , 2012, 60, 109-129.	0.7	16
1217	An investigation of stride interval stationarity while listening to music or viewing television. <i>Human Movement Science</i> , 2012, 31, 695-706.	0.6	11

#	ARTICLE	IF	CITATIONS
1218	Sleep-wake stages classification and sleep efficiency estimation using single-lead electrocardiogram. Expert Systems With Applications, 2012, 39, 1401-1413.	4.4	94
1219	Thermal aging effects on the microstructure of Nb-bearing nickel based superalloy weld overlays using ultrasound techniques. Materials & Design, 2012, 36, 337-347.	5.1	30
1220	Adaptive time-varying detrended fluctuation analysis. Journal of Neuroscience Methods, 2012, 209, 178-188.	1.3	24
1221	Long memory effect of past climate change in Vostok ice core records. Thermochemica Acta, 2012, 532, 41-44.	1.2	5
1222	Scaling behaviors of transient noise current in organic field-effect transistors. Organic Electronics, 2012, 13, 1370-1376.	1.4	5
1223	Detecting switching points using asymmetric detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 170-179.	1.2	26
1224	An independent test of methods of detecting system states and bifurcations in time-series data. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 485-496.	1.2	21
1225	Long-term correlations in hourly wind speed records in Pernambuco, Brazil. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1546-1552.	1.2	35
1226	Investigating the temporal variation of the scaling behavior in rainfall data measured in central Argentina by means of detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1553-1562.	1.2	36
1227	Research on the relationship between the multifractality and long memory of realized volatility in the SSECI. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 740-749.	1.2	11
1228	Randomness and changes of heart rate and respiratory frequency during high altitude mountain ascent without acclimatization. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1575-1590.	1.2	2
1229	Fractal analysis of powder X-ray diffraction patterns. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1642-1651.	1.2	3
1230	Classical and fractal analysis of vehicle demand on the ferry-boat system. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1657-1661.	1.2	4
1231	Investigation of scaling properties in monthly streamflow and Standardized Streamflow Index (SSI) time series in the Ebro basin (Spain). Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1662-1678.	1.2	41
1232	Evidence of codon usage in the nearest neighbor spacing distribution of bases in bacterial genomes. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1255-1269.	1.2	1
1233	Temporal variations of long-term correlations in seismic activity fluctuations. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2261-2267.	1.2	2
1234	Parameter motivated mutual correlation analysis: Application to the study of currency exchange rates based on intermittency parameter and Hurst exponent. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2623-2635.	1.2	20
1235	A wavelet based investigation of long memory in stock returns. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2330-2341.	1.2	16

#	ARTICLE	IF	CITATIONS
1236	DCCA cross-correlation coefficient apply in time series of air temperature and air relative humidity. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2438-2443.	1.2	152
1237	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si12.gif" display="inline" overflow="scroll" \rangle \langle mml:mn \rangle 1 \langle /mml:mn \rangle \langle mml:mo \rangle / \langle /mml:mo \rangle \langle mml:mi \rangle f \langle /mml:mi \rangle \langle /mml:math \rangle$ behavior in cross-correlations between absolute returns in a US market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2860-2866.	1.2	91
1238	Dynamics of bid-ask spread return and volatility of the Chinese stock market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2656-2666.	1.2	11
1239	Scale invariance analysis of the premature ECG signals. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3227-3233.	1.2	2
1240	Levels of complexity in turbulent time series for weakly and high Reynolds number. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3151-3158.	1.2	5
1241	Characterization of chaotic dynamic behavior in the gas-liquid slug flow using directed weighted complex network analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3005-3016.	1.2	29
1242	Analysis of temporal fluctuations in Bach's sinfonias. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3247-3256.	1.2	6
1243	Statistical properties of the yuan exchange rate index. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3503-3512.	1.2	30
1244	Two general models that generate long range correlation. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3477-3483.	1.2	3
1245	Cross-correlations between agricultural commodity futures markets in the US and China. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3930-3941.	1.2	68
1246	Temporal variations of serial correlations of trading volume in the US stock market. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4128-4135.	1.2	3
1247	Understanding the source of multifractality in financial markets. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4234-4251.	1.2	111
1248	The effects of observational correlated noises on multifractal detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4100-4110.	1.2	20
1249	Physical approach to complex systems. Physics Reports, 2012, 515, 115-226.	10.3	369
1250	Long-range temporal correlations in the subthalamic nucleus of patients with Parkinson's disease. European Journal of Neuroscience, 2012, 36, 2812-2821.	1.2	40
1251	Spatiotemporal variability of drought and the potential climatological driving factors in the Liao River basin. Hydrological Processes, 2012, 26, 1-14.	1.1	22
1252	The influence of dam and lakes on the Yangtze River streamflow: long-range correlation and complexity analyses. Hydrological Processes, 2012, 26, 436-444.	1.1	61
1253	Impacts of riparian zone plant water use on temporal scaling of groundwater systems. Hydrological Processes, 2012, 26, 1352-1360.	1.1	17

#	ARTICLE	IF	CITATIONS
1254	Hydrological effects of water reservoirs on hydrological processes in the East River (China) basin: complexity evaluations based on the multi-scale entropy analysis. <i>Hydrological Processes</i> , 2012, 26, 3253-3262.	1.1	60
1255	A new method for abrupt dynamic change detection of correlated time series. <i>International Journal of Climatology</i> , 2012, 32, 1604-1614.	1.5	54
1256	On the limits of the air pollution predictability: the case of the surface ozone at Athens, Greece. <i>Environmental Science and Pollution Research</i> , 2012, 19, 295-300.	2.7	43
1257	The cross-correlations of stock markets based on DCCA and time-delay DCCA. <i>Nonlinear Dynamics</i> , 2012, 67, 425-435.	2.7	91
1258	Characterization of Cast Iron Microstructure Through Fluctuation and Fractal Analyses of Ultrasonic Backscattered Signals Combined with Classification Techniques. <i>Journal of Nondestructive Evaluation</i> , 2012, 31, 90-98.	1.1	14
1259	1/f noise in the UV solar spectral irradiance. <i>Theoretical and Applied Climatology</i> , 2013, 111, 641-648.	1.3	21
1260	Sleep unconsciousness and breakdown of serial critical intermittency: New vistas on the global workspace. <i>Chaos, Solitons and Fractals</i> , 2013, 55, 32-43.	2.5	20
1261	Not Fully Developed Turbulence in the Dow Jones Index. <i>Brazilian Journal of Physics</i> , 2013, 43, 260-267.	0.7	1
1262	Memory effect in M ₆ earthquakes of South-North Seismic Belt, Mainland China. <i>Journal of Seismology</i> , 2013, 17, 913-924.	0.6	2
1263	Cross-correlations between the CSI 300 spot and futures markets. <i>Nonlinear Dynamics</i> , 2013, 73, 1687-1696.	2.7	27
1264	Multifractal detrended cross-correlation analysis for power markets. <i>Nonlinear Dynamics</i> , 2013, 72, 353-363.	2.7	72
1265	A DFA approach in well-logs for the identification of facies associations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 6015-6024.	1.2	10
1266	Quantifying different degrees of coupling in detrended cross-correlation analysis. <i>Europhysics Letters</i> , 2013, 101, 20011.	0.7	36
1267	Investigating the time dynamics of monthly rainfall time series observed in northern Lebanon by means of the detrended fluctuation analysis and the Fisher-Shannon method. <i>Acta Geophysica</i> , 2013, 61, 1538-1555.	1.0	12
1268	Automatic lithofacies segmentation using the wavelet transform modulus maxima lines combined with the detrended fluctuation analysis. <i>Arabian Journal of Geosciences</i> , 2013, 6, 625-634.	0.6	8
1269	Adaptive Fractal Analysis Reveals Limits to Fractal Scaling in Center of Pressure Trajectories. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1646-1660.	1.3	52
1270	Progress in physical properties of Chinese stock markets. <i>Frontiers of Physics</i> , 2013, 8, 438-450.	2.4	6
1271	Pattern formation during capillary rising of a fluid front into a granular media. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
1272	Fractal dynamics in chaotic quantum transport. <i>Physical Review E</i> , 2013, 88, 022913.	0.8	19
1273	On the problem of calibrating an agent based model for financial markets. <i>Journal of Economic Interaction and Coordination</i> , 2013, 8, 277-293.	0.4	49
1274	Fluctuation in e-mail sizes weakens power-law correlations in e-mail flow. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	2
1275	Errors in the Determination of Indices of the Nonlinear Dynamics of the Heart Rate. <i>Measurement Techniques</i> , 2013, 56, 524-528.	0.2	4
1276	Is there any long-term memory effect in the tropical cyclones?. <i>Theoretical and Applied Climatology</i> , 2013, 114, 643-650.	1.3	24
1277	Temporal correlations in postural sway moderate effects of stochastic resonance on postural stability. <i>Human Movement Science</i> , 2013, 32, 91-105.	0.6	16
1278	Investigation on series of length of coding and non-coding DNA sequences of bacteria using multifractal detrended cross-correlation analysis. <i>Journal of Theoretical Biology</i> , 2013, 321, 54-62.	0.8	33
1279	Multifractal detrended fluctuation analysis for clustering structures of electricity price periods. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5723-5734.	1.2	52
1280	Using Detrended Cross-Correlation Analysis in geophysical data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2195-2201.	1.2	57
1281	On the scaling ranges of detrended fluctuation analysis for long-term memory correlated short series of data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2384-2397.	1.2	39
1282	Long-range correlations identified in time-series of volcano seismicity during dome-forming eruptions using detrended fluctuation analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 264, 197-209.	0.8	12
1283	Time-scaling Properties of High-casualty Fires in China. <i>Procedia Engineering</i> , 2013, 62, 602-608.	1.2	0
1284	Cross-correlations between West Texas Intermediate crude oil and the stock markets of the BRIC. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5356-5368.	1.2	48
1285	Autocorrelation type, timescale and statistical property in financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1681-1693.	1.2	1
1286	Forecasting the underlying potential governing the time series of a dynamical system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3891-3902.	1.2	16
1287	Efficiency and multifractality analysis of CSI 300 based on multifractal detrending moving average algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1429-1438.	1.2	36
1288	Critical reflexivity in financial markets: a Hawkes process analysis. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	111
1289	Improving emotion recognition systems by embedding cardiorespiratory coupling. <i>Physiological Measurement</i> , 2013, 34, 449-464.	1.2	44

#	ARTICLE	IF	CITATIONS
1290	Random matrix theory analysis of cross-correlations in the US stock market: Evidence from Pearson's correlation coefficient and detrended cross-correlation coefficient. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3715-3730.	1.2	95
1291	Random-matrix spectra as a time series. <i>Physical Review E</i> , 2013, 88, 060902.	0.8	22
1292	Testing power-law cross-correlations: rescaled covariance test. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	26
1293	Testing purchasing power parity in a DFA rolling Hurst framework: the case of 23 OECD countries. <i>Applied Financial Economics</i> , 2013, 23, 1399-1406.	0.5	2
1294	Quantification of Long-Range Persistence in Geophysical Time Series: Conventional and Benchmark-Based Improvement Techniques. <i>Surveys in Geophysics</i> , 2013, 34, 541-651.	2.1	82
1295	TS-stream: clustering time series on data streams. <i>Journal of Intelligent Information Systems</i> , 2013, 42, 531.	2.8	7
1296	Estimation of local scale exponents for heartbeat time series based on DFA. <i>Nonlinear Dynamics</i> , 2013, 74, 1183-1190.	2.7	38
1297	Relationships of exponents in two-dimensional multifractal detrended fluctuation analysis. <i>Physical Review E</i> , 2013, 87, 012921.	0.8	20
1298	Phases of scaling and cross-correlation behavior in traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5742-5756.	1.2	6
1299	Mood recognition in bipolar patients through the PSYCHE platform: Preliminary evaluations and perspectives. <i>Artificial Intelligence in Medicine</i> , 2013, 57, 49-58.	3.8	82
1300	Is There Self-Similarity in Cloud QoS Data?. , 2013, , .		0
1301	Computing nonlinear features of skin conductance to build the affective detection model. , 2013, , .		1
1302	Statistical persistence and timing characteristics of repetitive circle drawing in children with ASD. <i>Developmental Neurorehabilitation</i> , 2013, 16, 245-254.	0.5	31
1304	A Statistical Approach for Fingerprinting Probing Activities. , 2013, , .		18
1305	Stochastic and fractal properties of silicon and porous silicon rough surfaces. <i>Journal of Physics: Conference Series</i> , 2013, 454, 012035.	0.3	1
1306	Correlated vibrations in ion-pair dynamics in mechanoactivation identify functional domains of force-dependent titin kinase. <i>Soft Matter</i> , 2013, 9, 9897.	1.2	1
1307	Retaining fractal gait patterns learned in virtual environments. , 2013, , .		2
1308	Anomalous diffusion processes in nuclear reactors. <i>Annals of Nuclear Energy</i> , 2013, 54, 227-232.	0.9	16

#	ARTICLE	IF	CITATIONS
1309	Cross-sample entropy statistic as a measure of synchronism and cross-correlation of stock markets. <i>Nonlinear Dynamics</i> , 2013, 71, 539-554.	2.7	76
1310	How fast do stock prices adjust to market efficiency? Evidence from a detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1631-1637.	1.2	28
1311	Multifractal detrended cross-correlation analysis between the Chinese stock market and surrounding stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1659-1670.	1.2	100
1312	Multifractal description of wind power fluctuations using arbitrary order Hilbert spectral analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4106-4120.	1.2	47
1313	The effects of listening to music or viewing television on human gait. <i>Computers in Biology and Medicine</i> , 2013, 43, 1497-1501.	3.9	10
1314	Not all estimators are born equal: The empirical properties of some estimators of long memory. <i>Mathematics and Computers in Simulation</i> , 2013, 93, 29-42.	2.4	18
1315	Modified DFA and DCCA approach for quantifying the multiscale correlation structure of financial markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 6442-6457.	1.2	42
1316	Measuring the self-similarity exponent in Lévy stable processes of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5330-5345.	1.2	29
1317	Fractional-space law for the neutron current density. <i>Annals of Nuclear Energy</i> , 2013, 55, 120-125.	0.9	19
1318	Cross-correlations between Renminbi and four major currencies in the Renminbi currency basket. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1418-1428.	1.2	61
1319	Price-volume cross-correlation analysis of CSI300 index futures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1172-1179.	1.2	44
1320	Detection of crossover time scales in multifractal detrended fluctuation analysis. <i>Journal of Geographical Systems</i> , 2013, 15, 115-147.	1.9	35
1321	Lacunarity and multifractal analysis of the large DLA mass distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3316-3328.	1.2	5
1322	Uncovering dynamic behaviors underlying experimental oil-water two-phase flow based on dynamic segmentation algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1180-1187.	1.2	6
1323	Empirical analysis of air traffic controller dynamics. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 33, 203-213.	3.9	18
1324	A systematic approach for detecting and clustering distributed cyber scanning. <i>Computer Networks</i> , 2013, 57, 3826-3839.	3.2	20
1325	Performance analysis of Hurst exponent estimators using surrogate-data and fractional lognormal noise models: Application to breathing signals from preterm infants. , 2013, 23, 1610-1619.		6
1326	Fault diagnosis of rolling bearings based on multifractal detrended fluctuation analysis and Mahalanobis distance criterion. <i>Mechanical Systems and Signal Processing</i> , 2013, 38, 515-533.	4.4	117

#	ARTICLE	IF	CITATIONS
1327	Assessment of long-range correlation in animal behavior time series: The temporal pattern of locomotor activity of Japanese quail (<i>Coturnix coturnix</i>) and mosquito larva (<i>Culex</i>) Tj ETQq0 0 0 rgBT /Overlock 1011 50 73718d (quinq		
1328	Spatial and temporal variability in maximum, minimum and mean air temperatures at Madhya Pradesh in central India. <i>Comptes Rendus - Geoscience</i> , 2013, 345, 3-21.	0.4	57
1329	Statistical analysis of geomagnetic field reversals and their consequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 6554-6560.	1.2	7
1330	Uncertainty in determining extreme precipitation thresholds. <i>Journal of Hydrology</i> , 2013, 503, 233-245.	2.3	29
1331	Self-organised critical features in soil radon and MHz electromagnetic disturbances: Results from environmental monitoring in Greece. <i>Applied Radiation and Isotopes</i> , 2013, 72, 39-53.	0.7	23
1332	Multifractal detrended fluctuation analysis of sheep livestock prices in origin. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4466-4476.	1.2	21
1333	On the multifractal effects generated by monofractal signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5845-5864.	1.2	36
1334	DCCA cross-correlation coefficient differentiation: Theoretical and practical approaches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1756-1761.	1.2	91
1335	Long memory revisit in Chinese stock markets: Based on GARCH-class models and multiscale analysis. <i>Economic Modelling</i> , 2013, 31, 265-275.	1.8	22
1336	Detrended fluctuation analysis and Kolmogorovâ€“Sinai entropy of electroencephalogram signals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2542-2545.	0.9	9
1337	Dynamic landscapes: A model of context and contingency in evolution. <i>Journal of Theoretical Biology</i> , 2013, 334, 162-172.	0.8	7
1338	Empirical study of the scaling behavior of the amplitudeâ€“frequency distribution of the Hilbertâ€“Huang transform and its application in sunspot time series analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1336-1346.	1.2	23
1339	Multifractal scaling behavior analysis for existing dams. <i>Expert Systems With Applications</i> , 2013, 40, 4922-4933.	4.4	19
1340	Is world oil market â€œone great poolâ€?: An example from China's and international oil markets. <i>Economic Modelling</i> , 2013, 35, 364-373.	1.8	25
1341	Mixed-correlated ARFIMA processes for power-law cross-correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 6484-6493.	1.2	40
1342	Reduced complexity of intracranial pressure observed in short time series of intracranial hypertension following traumatic brain injury in adults. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 395-403.	0.7	19
1343	Performance of multifractal detrended fluctuation analysis on short time series. <i>Physical Review E</i> , 2013, 87, 022918.	0.8	44
1344	Multifractal analysis based on amplitude extrema of intrinsic mode functions. <i>Physical Review E</i> , 2013, 87, .	0.8	16

#	ARTICLE	IF	CITATIONS
1345	The role of the circadian system in fractal neurophysiological control. <i>Biological Reviews</i> , 2013, 88, 873-894.	4.7	51
1346	Microstructure identification via detrended fluctuation analysis of ultrasound signals. <i>Physical Review E</i> , 2013, 87, 043304.	0.8	2
1347	FRactal PROPERTIES OF PARTICLES IN PHASE SPACE FROM URQMD MODEL. <i>International Journal of Modern Physics E</i> , 2013, 22, 1350021.	0.4	7
1348	The influence of foreign portfolio investment on informational efficiency: Empirical evidence from Central and Eastern European stock markets. <i>Economic Modelling</i> , 2013, 33, 34-41.	1.8	14
1349	On excursion increments in heartbeat dynamics. <i>Chaos, Solitons and Fractals</i> , 2013, 52, 1-7.	2.5	1
1350	Novel application of detrended fluctuation analysis for state estimation using synchrophasor measurements. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 1930-1938.	4.6	40
1351	Method for evaluation of fractal properties from data with noisy observational errors. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2013, 8, 247-252.	0.8	0
1352	Fractal Correlation Analysis of X-ray Diffraction Patterns with Broad Background. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 8346-8353.	1.8	9
1353	Tracing of stock market long term trend by information efficiency measures. <i>Neurocomputing</i> , 2013, 109, 105-113.	3.5	9
1354	Assessing complexity of skin blood flow oscillations in response to locally applied heating and pressure in rats: Implications for pressure ulcer risk. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4905-4915.	1.2	3
1355	Altered temporal correlations in resting-state connectivity fluctuations in children with reading difficulties detected via MEG. <i>NeuroImage</i> , 2013, 83, 307-317.	2.1	84
1356	The Western Crete geodetic infrastructure: Long-range power-law correlations in GPS time series using Detrended Fluctuation Analysis. <i>Advances in Space Research</i> , 2013, 51, 1448-1467.	1.2	10
1357	Statistical Inference for Stationary Processes. , 2013, , 385-528.		1
1358	Multifractality of Brazilian rivers. <i>Journal of Hydrology</i> , 2013, 495, 208-215.	2.3	33
1359	Different multi-fractal behaviors of diurnal temperature range over the north and the south of China. <i>Theoretical and Applied Climatology</i> , 2013, 112, 673-682.	1.3	26
1361	Real-time fractal signal processing in the time domain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 89-102.	1.2	22
1362	Measuring capital market efficiency: Global and local correlations structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 184-193.	1.2	137
1363	Is the efficiency of stock market correlated with multifractality? An evidence from the Shanghai stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 361-370.	1.2	30

#	ARTICLE	IF	CITATIONS
1364	Asymmetric multifractal scaling behavior in the Chinese stock market: Based on asymmetric MF-DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 797-807.	1.2	110
1365	A scaling exponent-based detector of chaos in oscillatory circuits. <i>Physica D: Nonlinear Phenomena</i> , 2013, 242, 67-73.	1.3	5
1366	Continuous detrended cross-correlation analysis on generalized Weierstrass function. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	7
1367	Climatic Variability Over Time Scales Spanning Nine Orders of Magnitude: Connecting Milankovitch Cycles with Hurst-Kolmogorov Dynamics. <i>Surveys in Geophysics</i> , 2013, 34, 181-207.	2.1	90
1368	Cholesterol favors the emergence of a long-range autocorrelated fluctuation pattern in voltage-induced ionic currents through lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1754-1764.	1.4	6
1369	Efficiency of Crude Oil Futures Markets: New Evidence from Multifractal Detrending Moving Average Analysis. <i>Computational Economics</i> , 2013, 42, 393-414.	1.5	37
1370	Automatic detection of Alzheimer disease in brain magnetic resonance images using fractal features. , 2013, , .		9
1371	Application of phasor measurement units to estimate power system inertial frequency response. , 2013, , .		53
1372	An EEG diagnosis system for quasi brain death based on complexity and energy analyses. , 2013, 2013, 7132-5.		1
1373	Plausible reasons for the inconsistencies between the modeled and observed temperatures in the tropical troposphere. <i>Geophysical Research Letters</i> , 2013, 40, 4906-4910.	1.5	17
1374	Are PIIGS stock markets efficient?. <i>Studies in Economics and Finance</i> , 2013, 30, 209-225.	1.2	1
1375	Different Multifractal Scaling of the 0.5m Average Ground Surface Temperature of Four Representative Weather Stations over China. <i>Advances in Meteorology</i> , 2013, 2013, 1-8.	0.6	15
1376	Fractal Behavior in the Clarification Process of Cane Sugar Production. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-9.	0.6	1
1377	Multifractality of Nonlinear Transformations with Application in Finances. <i>Acta Physica Polonica A</i> , 2013, 123, 529-537.	0.2	17
1378	Statistical Properties of the Foreign Exchange Network at Different Time Scales: Evidence from Detrended Cross-Correlation Coefficient and Minimum Spanning Tree. <i>Entropy</i> , 2013, 15, 1643-1662.	1.1	83
1379	Multifractal detrended fluctuation analysis of human gait diseases. <i>Frontiers in Physiology</i> , 2013, 4, 274.	1.3	91
1380	On a Generalized Entropy Measure Leading to the Pathway Model with a Preliminary Application to Solar Neutrino Data. <i>Entropy</i> , 2013, 15, 4011-4025.	1.1	29
1381	Uncertainty and Symmetries in DNA Sequences. <i>IFMBE Proceedings</i> , 2013, , 359-369.	0.2	0

#	ARTICLE	IF	CITATIONS
1382	Econophysics: Comments on a Few Applications, Successes, Methods and Models. IIM Kozhikode Society & Management Review, 2013, 2, 101-115.	1.8	5
1383	Multiscale analysis of heart rate variability in non-stationary environments. Frontiers in Physiology, 2013, 4, 119.	1.3	21
1384	Correlation between detrended fluctuation analysis and the Lempel-Ziv complexity in nonlinear time series analysis. Chinese Physics B, 2013, 22, 030504.	0.7	9
1385	Do GCMs predict the climate ... or macroweather?. Earth System Dynamics, 2013, 4, 439-454.	2.7	35
1386	Antipersistent behavior of defects in a lyotropic liquid crystal during annihilation. Physical Review E, 2013, 87, 054501.	0.8	3
1387	Time-resolved resistive switching on manganite surfaces: Creep and signatures indicate pinning of nanoscale domains. Physical Review B, 2013, 87, .	1.1	13
1388	Time Series Preprocessing and Forecasting Based on EMD. Applied Mechanics and Materials, 0, 313-314, 1256-1261.	0.2	0
1389	Comparative analysis of EEG by DFA and wavelet analysis for the estimation of DOA. , 2013, , .		0
1390	Altering dynamic patterns in gait using visual and proprioceptive stimuli. , 2013, , .		1
1391	Towards a Forecasting Model for Distributed Denial of Service Activities. , 2013, , .		27
1392	Scaling range of power laws that originate from fluctuation analysis. Physical Review E, 2013, 87, 052809.	0.8	19
1393	Components of multifractality in the central England temperature anomaly series. Chaos, 2013, 23, 023130.	1.0	5
1394	On detecting and clustering distributed cyber scanning. , 2013, , .		2
1395	Long range correlations in tree ring chronologies of the USA: Variation within and across species. Geophysical Research Letters, 2013, 40, 568-572.	1.5	8
1396	Filtering high-resolution hyperspectral imagery in a maximum noise fraction transform domain using wavelet-based de-striping. International Journal of Remote Sensing, 2013, 34, 2216-2235.	1.3	13
1397	Permutation complexity and dependence measures of time series. Europhysics Letters, 2013, 102, 40005.	0.7	40
1398	Limit order books. Quantitative Finance, 2013, 13, 1709-1742.	0.9	191
1399	AUTOMATICALLY DETECTING "SIGNIFICANT EVENTS" ON SenseCam. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350050.	0.9	5

#	ARTICLE	IF	CITATIONS
1400	FRACTAL ANALYSIS OF PRIME INDIAN STOCK MARKET INDICES. <i>Fractals</i> , 2013, 21, 1350003.	1.8	24
1401	On the scaling effect in global surface air temperature anomalies. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5243-5253.	1.9	77
1402	Migratory and adhesive properties of <i>Xenopus laevis</i> primordial germ cells in vitro. <i>Biology Open</i> , 2013, 2, 1279-1287.	0.6	16
1403	Modeling anomalous diffusion by a subordinated fractional Lévy-stable process. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P05016.	0.9	15
1404	WAVELET MULTIFRACTAL DETRENDED FLUCTUATION ANALYSIS OF ENCRYPTION AND DECRYPTION MATRICES. <i>International Journal of Modern Physics C</i> , 2013, 24, 1350069.	0.8	6
1405	Long-term memory in climate variability: A new look based on fractional integral techniques. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,962.	1.2	28
1406	Noninvasive fractal biomarker of clock neurotransmitter disturbance in humans with dementia. <i>Scientific Reports</i> , 2013, 3, 2229.	1.6	51
1407	Quantitative analysis of the evolution of novelty in cinema through crowdsourced keywords. <i>Scientific Reports</i> , 2013, 3, 2758.	1.6	22
1408	Non-linear dynamics of chromosome condensation induced by colcemid. <i>Brazilian Archives of Biology and Technology</i> , 2013, 56, 85-92.	0.5	5
1409	Rescaled Range Analysis in Higher Dimensions. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 4489-4492.	0.1	3
1410	Dansgaard-Oeschger events: bifurcation points in the climate system. <i>Climate of the Past</i> , 2013, 9, 323-333.	1.3	25
1411	Move-by-Move Dynamics of the Advantage in Chess Matches Reveals Population-Level Learning of the Game. <i>PLoS ONE</i> , 2013, 8, e54165.	1.1	12
1412	Alzheimer's Disease Detection in Brain Magnetic Resonance Images Using Multiscale Fractal Analysis. <i>ISRN Radiology</i> , 2013, 2013, 1-7.	1.2	26
1413	Self-Organized Criticality: Emergent Complex Behavior in PM10 Pollution. <i>International Journal of Atmospheric Sciences</i> , 2013, 2013, 1-7.	0.5	5
1414	Intermittency and multifractional Brownian character of geomagnetic time series. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 455-466.	0.6	22
1415	Non-extensivity and long-range correlations in the earthquake activity at the West Corinth rift (Greece). <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 713-724.	0.6	54
1416	Correlations and Scaling Laws in Human Mobility. <i>PLoS ONE</i> , 2014, 9, e84954.	1.1	29
1417	On the increase of the non-uniform scaling of the magnetic field variations before the Mw9.0 earthquake in Japan in 2011. <i>Chaos</i> , 2014, 24, 023131.	1.0	7

#	ARTICLE	IF	CITATIONS
1418	Universal Internucleotide Statistics in Full Genomes: A Footprint of the DNA Structure and Packaging?. PLoS ONE, 2014, 9, e112534.	1.1	31
1419	Impact of Stock Market Structure on Intertrade Time and Price Dynamics. PLoS ONE, 2014, 9, e92885.	1.1	18
1420	Mouse Activity across Time Scales: Fractal Scenarios. PLoS ONE, 2014, 9, e105092.	1.1	13
1421	Fractal Gait Patterns Are Retained after Entrainment to a Fractal Stimulus. PLoS ONE, 2014, 9, e106755.	1.1	35
1422	Evaluation of Scaling Invariance Embedded in Short Time Series. PLoS ONE, 2014, 9, e116128.	1.1	16
1423	Cross-Correlations between Energy and Emissions Markets: New Evidence from Fractal and Multifractal Analysis. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	10
1424	Nonlinear Fluctuation Behavior of Financial Time Series Model by Statistical Physics System. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	4
1425	Empirical properties of inter-cancellation durations in the Chinese stock market. Frontiers in Physics, 2014, 2, .	1.0	6
1426	Are the Scaling Properties of Bull and Bear Markets Identical? Evidence from Oil and Gold Markets. International Journal of Financial Studies, 2014, 2, 315-334.	1.1	7
1427	One month of contemporary dance modulates fractal posture in aging. Frontiers in Aging Neuroscience, 2014, 6, 17.	1.7	18
1428	Membrane current series monitoring: essential reduction of data points to finite number of stable parameters. Frontiers in Computational Neuroscience, 2014, 8, 120.	1.2	10
1429	Recovery after aerobic exercise is manipulated by tempo change in a rhythmic sound pattern, as indicated by autonomic reaction on heart functioning. Frontiers in Human Neuroscience, 2014, 8, 738.	1.0	3
1430	Markers of criticality in phase synchronization. Frontiers in Systems Neuroscience, 2014, 8, 176.	1.2	40
1431	Ultra low frequency (ULF) electromagnetic anomalies associated with large earthquakes in Java Island, Indonesia by using wavelet transform and detrended fluctuation analysis. Natural Hazards and Earth System Sciences, 2014, 14, 789-798.	1.5	31
1432	Spatial analysis of oil reservoirs using detrended fluctuation analysis of geophysical data. Nonlinear Processes in Geophysics, 2014, 21, 1043-1049.	0.6	7
1433	Nonlinear fluctuation analysis for a set of 41 magnetic clouds measured by the Advanced Composition Explorer (ACE) spacecraft. Nonlinear Processes in Geophysics, 2014, 21, 1059-1073.	0.6	11
1434	Long-range memory in internal and forced dynamics of millennium-long climate model simulations. Earth System Dynamics, 2014, 5, 295-308.	2.7	18
1435	Rhythmicity, Recurrence, and Recovery of Flagellar Beating. Physical Review Letters, 2014, 113, 238103.	2.9	57

#	ARTICLE	IF	CITATIONS
1436	Multifractal application on electrocardiogram. Journal of Medical Engineering and Technology, 2014, 38, 55-61.	0.8	19
1437	Multifractal detrended fluctuation analysis of pseudorapidity and azimuthal distribution of pions emitted in high energy nuclear collisions. International Journal of Modern Physics A, 2014, 29, 1450084.	0.5	8
1438	TIME-VARYING LONG MEMORIES OF THE CHINESE CURRENCY AND STOCK MARKETS BASED ON THE HURST EXPONENT. Fluctuation and Noise Letters, 2014, 13, 1450007.	1.0	11
1439	Analysis of P300 containing EEG through three non-linear methods. , 2014, , .		0
1440	Evaluation of postural steadiness before and after sedation: comparison of four nonlinear and three conventional measures. Physiological Measurement, 2014, 35, 139-151.	1.2	4
1441	Study on statistical aspects of monthly sunspot number time series and its long-range correlation through detrended fluctuation analysis. Indian Journal of Physics, 2014, 88, 1135-1140.	0.9	10
1442	Neural signatures of team coordination are revealed by multifractal analysis. Social Neuroscience, 2014, 9, 219-234.	0.7	63
1443	Traffic time series analysis by using multiscale time irreversibility and entropy. Chaos, 2014, 24, 032102.	1.0	17
1444	Modeling Financial Time Series: Multifractal Cascades and Rényi Entropy. Emergence, Complexity and Computation, 2014, , 227-236.	0.2	0
1445	Modified multidimensional scaling approach to analyze financial markets. Chaos, 2014, 24, 022102.	1.0	14
1446	MULTISCALE DETRENDED CROSS-CORRELATION ANALYSIS OF STOCK MARKETS. Fractals, 2014, 22, 1450007.	1.8	10
1447	Influence of autocorrelation on the topology of the climate network. Physical Review E, 2014, 90, 062814.	0.8	43
1448	Detrended fluctuation analysis of brain hemisphere magnetic resonance images to detect cerebral arteriovenous malformations. , 2014, , .		12
1449	Interwoven fluctuations during intermodal perception: Fractality in head sway supports the use of visual feedback in haptic perceptual judgments by manual welding.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2289-2309.	0.7	49
1450	A Comparative Study and a Phylogenetic Exploration of the Compositional Architectures of Mammalian Nuclear Genomes. PLoS Computational Biology, 2014, 10, e1003925.	1.5	9
1451	Dynamics of Foreign Exchange Networks: A Time-Varying Copula Approach. Discrete Dynamics in Nature and Society, 2014, 2014, 1-11.	0.5	17
1452	Nonlinear Behaviors of Tail Dependence and Cross-Correlation of Financial Time Series Model. Abstract and Applied Analysis, 2014, 2014, 1-13.	0.3	3
1453	Statistics of fractional moments applied to 3D video streams. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1454	Toward a dynamical theory of body movement in musical performance. <i>Frontiers in Psychology</i> , 2014, 5, 477.	1.1	30
1455	Fractal dynamics in dexterous tool use: The case of hammering behavior of bead craftsmen.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 218-231.	0.7	23
1456	Noise Effect on Multifractal Detrended Fluctuation Analysis Based on Element Enrichment Model. <i>Advanced Materials Research</i> , 2014, 1008-1009, 1548-1551.	0.3	1
1457	Effects of Exponential Trends on Correlations of Stock Markets. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	2
1458	Intermittency, autoregression and censoring: a first-order AR model for daily precipitation. <i>Meteorological Applications</i> , 2014, 21, 384-397.	0.9	17
1459	Scaling analysis of increment white-noise series. , 2014, , .		0
1460	Fractal order evidences in wind speed time series. , 2014, , .		6
1461	Scaling analysis of stock markets. <i>Chaos</i> , 2014, 24, 023107.	1.0	13
1462	Nonlinear time series analysis and clustering for jet axis identification in vertical turbulent heated jets. <i>Physical Review E</i> , 2014, 89, 032913.	0.8	10
1463	Reducing risk of closed loop control of blood glucose in artificial pancreas using fractional calculus. , 2014, 2014, 4839-42.		11
1464	Improved Estimation of the Specific Differential Phase Shift Using a Compilation of Kalman Filter Ensembles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 5137-5149.	2.7	27
1465	Multifractal scaling properties of global land surface air temperature. , 2014, , .		0
1466	EOG denoising using Empirical Mode Decomposition and Detrended Fluctuation Analysis. , 2014, , .		2
1467	Evidence for long-term memory in sea level. <i>Geophysical Research Letters</i> , 2014, 41, 5530-5537.	1.5	75
1468	Analysis of pressure fluctuations induced by multi- α horizontal submerged jets in the novel jet tank. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 935-944.	0.9	3
1469	Study of the temporal correlations in the magnitude time series before major earthquakes in Japan. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9192-9206.	0.8	113
1470	Effects of local and widespread muscle fatigue on movement timing. <i>Experimental Brain Research</i> , 2014, 232, 3939-3948.	0.7	20
1471	Fractal-based arteriovenous malformations detection in brain magnetic resonance images. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
1472	Long-term variations and temporal scaling of hydroclimatic time series with focus on the German part of the Elbe River Basin. <i>Hydrological Processes</i> , 2014, 28, 2202-2211.	1.1	12
1473	Non-stationary dynamics in the bouncing ball: A wavelet perspective. <i>Chaos</i> , 2014, 24, 043107.	1.0	7
1474	Long-range dependence in Indian stock market: a study of Indian sectoral indices. <i>International Journal of Emerging Markets</i> , 2014, 9, 505-519.	1.3	8
1475	Network risk and forecasting power in phase-flipping dynamical networks. <i>Physical Review E</i> , 2014, 89, 042807.	0.8	23
1476	Scaling analysis of time series of daily prices from stock markets of transitional economies in the Western Balkans. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	2
1477	Experimental confirmation of long-memory correlations in star-wander data. <i>Optics Letters</i> , 2014, 39, 3718.	1.7	10
1478	Identification of Criticality in Neuronal Avalanches: II. A Theoretical and Empirical Investigation of the Driven Case. <i>Journal of Mathematical Neuroscience</i> , 2014, 4, 9.	2.4	12
1479	Estimation of Instantaneous Complex Dynamics through Lyapunov Exponents: A Study on Heartbeat Dynamics. <i>PLoS ONE</i> , 2014, 9, e105622.	1.1	53
1480	Multiple timescales of cyclical behaviour observed at two dome-forming eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 284, 106-121.	0.8	24
1481	Correlation analysis of synchronization flow at a traffic bottleneck. <i>Nonlinear Dynamics</i> , 2014, 78, 1801-1809.	2.7	10
1482	Stochastic method to determine the scale and anomalous diffusion of gusts in a windy atmospheric boundary layer. <i>Science Bulletin</i> , 2014, 59, 4890-4898.	1.7	5
1483	Complexity analysis of sleep and alterations with insomnia based on non-invasive techniques. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20131112.	1.5	23
1484	Scaling and gender behavior of road accidental dynamics. <i>Europhysics Letters</i> , 2014, 108, 58007.	0.7	3
1485	Optical Push by Geographical Slant Affects Postural Sway. <i>Ecological Psychology</i> , 2014, 26, 283-300.	0.7	2
1486	Gearbox fault diagnosis based on multi-fractal. , 2014, , .		0
1487	Daily extreme temperature multifractals in Catalonia (NE Spain). <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 874-885.	0.9	48
1488	Different spatial cross-correlation patterns of temperature records over China: A DCCA study on different time scales. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 400, 71-79.	1.2	27
1489	Detrended minimum-variance hedge ratio: A new method for hedge ratio at different time scales. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 70-79.	1.2	30

#	ARTICLE	IF	CITATIONS
1490	Effects of non-stationarity on the magnitude and sign scaling in the multi-scale vertical velocity increment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 9-16.	1.2	14
1491	An approach to generate deterministic Brownian motion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 2740-2746.	1.7	32
1492	Detrended analysis of Reynolds stress in a decaying turbulent flow in a wind tunnel with active grids. <i>Journal of Hydrodynamics</i> , 2014, 26, 122-128.	1.3	0
1493	Fractal behavior in the headway fluctuation simulated by the NaSch model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 398, 187-193.	1.2	7
1494	Evidence for two abrupt warming events of SST in the last century. <i>Theoretical and Applied Climatology</i> , 2014, 116, 51-60.	1.3	42
1495	Fractal-based evaluation of the effect of water reservoirs on hydrological processes: the dams in the Yangtze River as a case study. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 263-279.	1.9	37
1496	Traces of self-organisation and long-range memory in variations of environmental radon in soil: comparative results from monitoring in Lesvos Island and Ileia (Greece). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 203-219.	0.7	22
1497	Evolution of the IR-T1 Tokamak Plasma Local and Global Parameters. <i>Journal of Fusion Energy</i> , 2014, 33, 1-7.	0.5	14
1498	Financial market volatility and contagion effect: A copula-based multifractal volatility approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 398, 289-300.	1.2	30
1499	Detrending methods for fluctuation analysis in hydrology: amendments and comparisons of methodologies. <i>Hydrological Processes</i> , 2014, 28, 753-763.	1.1	14
1500	Extreme value statistics and recurrence intervals of NYMEX energy futures volatility. <i>Economic Modelling</i> , 2014, 36, 8-17.	1.8	30
1501	An analysis of stock market efficiency: Developed vs Islamic stock markets using MF-DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 407, 86-99.	1.2	138
1502	Emergence of self-similarity in football dynamics. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	16
1503	Memory effect in M _w 7 earthquakes of Taiwan. <i>Journal of Seismology</i> , 2014, 18, 467-480.	0.6	1
1504	Gait performance is not influenced by working memory when walking at a self-selected pace. <i>Experimental Brain Research</i> , 2014, 232, 515-525.	0.7	15
1505	Multiscale multifractal analysis of traffic signals to uncover richer structures. <i>Physical Review E</i> , 2014, 89, 032916.	0.8	52
1506	Testing the weak-form efficiency of the WTI crude oil futures market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 235-244.	1.2	74
1507	Signal processing techniques applied to human sleep EEG signals—A review. <i>Biomedical Signal Processing and Control</i> , 2014, 10, 21-33.	3.5	190

#	ARTICLE	IF	CITATIONS
1508	Detrended cross-correlation analysis approach for assessing asymmetric multifractal detrended cross-correlations and their application to the Chinese financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 393, 460-469.	1.2	84
1509	A novel method for feature extraction using crossover characteristics of nonlinear data and its application to fault diagnosis of rotary machinery. <i>Mechanical Systems and Signal Processing</i> , 2014, 48, 174-187.	4.4	24
1510	Discerning non-autonomous dynamics. <i>Physics Reports</i> , 2014, 542, 297-368.	10.3	108
1511	Detrending moving-average cross-correlation coefficient: Measuring cross-correlations between non-stationary series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 406, 169-175.	1.2	156
1512	Multifractality in combustion noise: predicting an impending combustion instability. <i>Journal of Fluid Mechanics</i> , 2014, 747, 635-655.	1.4	169
1513	Multifractal detrended cross-correlation between the Chinese domestic and international gold markets based on DCCA and DMCA methods. <i>Modern Physics Letters B</i> , 2014, 28, 1450090.	1.0	14
1514	Simulated shift work in rats perturbs multiscale regulation of locomotor activity. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140318.	1.5	21
1515	FLUCTUATION OF GOLD PRICE IN INDIA VERSUS GLOBAL CONSUMER PRICE INDEX. <i>Fractals</i> , 2014, 22, 1450004.	1.8	15
1516	Similarities in error processing establish a link between saccade prediction at baseline and adaptation performance. <i>Journal of Neurophysiology</i> , 2014, 111, 2084-2093.	0.9	16
1517	A comparative analysis of spectral exponent estimation techniques for $1/\hat{f}^2$ processes with applications to the analysis of stride interval time series. <i>Journal of Neuroscience Methods</i> , 2014, 222, 118-130.	1.3	25
1518	Stochastic analysis and simulation of hydrometeorological processes associated with wind and solar energy. <i>Renewable Energy</i> , 2014, 63, 624-633.	4.3	36
1519	Composition of commercial truffle flavored oils with GC-MS analysis and discrimination with an electronic nose. <i>Food Chemistry</i> , 2014, 146, 30-35.	4.2	61
1520	Oil and US dollar exchange rate dependence: A detrended cross-correlation approach. <i>Energy Economics</i> , 2014, 42, 132-139.	5.6	170
1521	Complexity-entropy analysis of daily stream flow time series in the continental United States. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1685-1708.	1.9	55
1522	Investigating long range correlation in DNA sequences using significance tests of conditional mutual information. <i>Computational Biology and Chemistry</i> , 2014, 53, 32-42.	1.1	14
1523	Spatial organization and correlation properties quantify structural changes on mesoscale of parenchymatous plant tissue. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	3
1524	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 1 \langle /mml:mn \rangle \langle mml:mo \rangle \langle /mml:mo \rangle \langle mml:mi \rangle f \langle /mml:mi \rangle \langle mml:mo \rangle \langle /mml:mo \rangle$ of amino acids regulate water transportation in aquaporin 1. <i>Physical Review E</i> , 2014, 89, 022718.	0.8	27
1525	Fractal-based weak target detection within sea clutter. <i>Acta Oceanologica Sinica</i> , 2014, 33, 68-72.	0.4	6

#	ARTICLE	IF	CITATIONS
1526	The heart as a chronotaxic system — Why its rate variability is both complex and simple: Theory and analysis methods. , 2014, , .		0
1527	Analysis of postural control in elderly on horizontal and inclined surfaces using classical descriptors and DFA. , 2014, , .		0
1528	Abnormal Dynamics of EEG Oscillations in Schizophrenia Patients on Multiple Time Scales. IEEE Transactions on Biomedical Engineering, 2014, 61, 1756-1764.	2.5	44
1529	Detrended fluctuation analysis of particle number concentrations on roadsides in Hong Kong. Building and Environment, 2014, 82, 580-587.	3.0	25
1530	Investigating the fractal nature of individual user netflow data. , 2014, , .		0
1531	The impact of the 2008 and 2010 financial crises on the Hurst exponents of international stock markets: Implications for efficiency and contagion. International Review of Financial Analysis, 2014, 35, 140-153.	3.1	70
1532	Distribution of eigenvalues of detrended cross-correlation matrix. Europhysics Letters, 2014, 107, 40008.	0.7	9
1533	Fractal and complex network analyses of protein molecular dynamics. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 21-32.	1.2	26
1534	Building Specific Signals from Frequency Chaos Game and Revealing Periodicities Using a Smoothed Fourier Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 863-877.	1.9	16
1535	Asymmetric multiscale detrended cross-correlation analysis of financial time series. Chaos, 2014, 24, 032101.	1.0	12
1536	Multifractal detrended cross-correlation analysis on gold, crude oil and foreign exchange rate time series. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 452-460.	1.2	79
1537	Chaos recognition and fractal analysis in the term structure of Shanghai Interbank Offered Rate. Physica A: Statistical Mechanics and Its Applications, 2014, 412, 101-112.	1.2	10
1538	Detrended fluctuation thresholding for empirical mode decomposition based denoising. , 2014, 32, 48-56.		86
1539	Leverage effect in energy futures. Energy Economics, 2014, 45, 1-9.	5.6	60
1540	An accurate algorithm to calculate the Hurst exponent of self-similar processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2355-2362.	0.9	27
1541	Multiple-period market risk prediction under long memory: when VaR is higher than expected. Journal of Risk Finance, 2014, 15, 4-32.	3.6	23
1542	The use of copula functions for predictive analysis of correlations between extreme storm tides. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 489-497.	1.2	11
1543	US stock market efficiency over weekly, monthly, quarterly and yearly time scales. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 554-564.	1.2	34

#	ARTICLE	IF	CITATIONS
1544	The complexity and fractal structures of CSI300 before and after the introduction of CSI300IF. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 76-85.	1.2	3
1545	From the time series to the complex networks: The parametric natural visibility graph. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 53-60.	1.2	84
1546	Cross-correlation between crude oil and refined product prices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 413, 284-293.	1.2	22
1547	Multiscaling Analysis of Monthly Runoff Series Using Improved MF-DFA Approach. <i>Water Resources Management</i> , 2014, 28, 3891-3903.	1.9	19
1548	Multifractal detrended cross-correlation analysis of gold price and SENSEX. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 413, 195-204.	1.2	30
1549	A genome signature derived from the interplay of word frequencies and symbol correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 216-226.	1.2	2
1550	A new measure of the CoP trajectory in postural sway: Dynamics of heading change. <i>Medical Engineering and Physics</i> , 2014, 36, 1473-1479.	0.8	36
1551	Revisiting serial dependence in the stock markets of the G7 countries, Portugal, Spain and Greece. <i>Applied Financial Economics</i> , 2014, 24, 319-331.	0.5	25
1552	Multifractal diffusion entropy analysis: Optimal bin width of probability histograms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 413, 438-458.	1.2	23
1553	Long term variability of the Danube River flow and its relation to precipitation and air temperature. <i>Journal of Hydrology</i> , 2014, 519, 871-880.	2.3	41
1554	Classification of Breast Masses on Contrast-Enhanced Magnetic Resonance Images Through Log Detrended Fluctuation Cumulant-Based Multifractal Analysis. <i>IEEE Systems Journal</i> , 2014, 8, 929-938.	2.9	17
1555	Forecasting VaR and ES of stock index portfolio: A Vine copula method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 416, 112-124.	1.2	41
1556	The Quantification of the QT-RR Interaction in ECG Signal Using the Detrended Fluctuation Analysis and ARARX Modelling. <i>Journal of Medical Systems</i> , 2014, 38, 62.	2.2	5
1557	Scaling fluctuation analysis and statistical hypothesis testing of anthropogenic warming. <i>Climate Dynamics</i> , 2014, 42, 2339-2351.	1.7	61
1558	Extreme precipitation events identified using detrended fluctuation analysis (DFA) in Anhui, China. <i>Theoretical and Applied Climatology</i> , 2014, 117, 169-174.	1.3	21
1559	Pattern Variability in Arctic Air Temperature Records. <i>Surveys in Geophysics</i> , 2014, 35, 1215-1242.	2.1	1
1560	Cross-correlations and structures of stock markets based on multiscale MF-DXA and PCA. <i>Nonlinear Dynamics</i> , 2014, 78, 485-494.	2.7	35
1561	Computational validation of fractal characterization by using the wavelet-based fractal analysis. <i>Journal of the Korean Physical Society</i> , 2014, 64, 780-785.	0.3	6

#	ARTICLE	IF	CITATIONS
1562	Multiscale multifractal detrended cross-correlation analysis of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 403, 35-44.	1.2	75
1563	Multifractality and value-at-risk forecasting of exchange rates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 71-81.	1.2	33
1564	Multifractal characterization of gold market: A multifractal detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 413, 361-372.	1.2	59
1565	An ensemble approach to the evolution of complex systems. <i>Journal of Biosciences</i> , 2014, 39, 259-280.	0.5	1
1566	Inverse approach to chronotaxic systems for single-variable time series. <i>Physical Review E</i> , 2014, 89, 032904.	0.8	18
1567	Statistical properties of the seismic noise field: influence of soil heterogeneities. <i>Geophysical Journal International</i> , 2014, 199, 430-440.	1.0	12
1568	Time-series analysis of networks: Exploring the structure with random walks. <i>Physical Review E</i> , 2014, 90, 022804.	0.8	27
1569	Scale and time dependence of serial correlations in word-length time series of written texts. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 378-386.	1.2	10
1570	Wearable Monitoring for Mood Recognition in Bipolar Disorder Based on History-Dependent Long-Term Heart Rate Variability Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1625-1635.	3.9	127
1571	Detecting spatial homogeneity in the World Trade Web with Detrended Fluctuation Analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 1-7.	1.2	10
1572	Multifractal detrended cross-correlation analysis of the oil-dependent economies: Evidence from the West Texas intermediate crude oil and the GCC stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 154-166.	1.2	43
1573	Multifractal cross-correlation spectra analysis on Chinese stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 402, 84-92.	1.2	28
1574	Gelatinized starch dispersions under small constant shear stress applications: Strain instabilities, chaotic behaviour and fractality. <i>Food Hydrocolloids</i> , 2014, 41, 241-249.	5.6	2
1575	Empirical analysis of scaling and fractal characteristics of outpatients. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 627-634.	0.9	0
1576	Examination of scale-invariant characteristics of epileptic electroencephalograms using wavelet-based analysis. <i>Computers and Electrical Engineering</i> , 2014, 40, 1766-1773.	3.0	8
1577	Autocorrelation and cross-correlation in time series of homicide and attempted homicide. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 400, 12-19.	1.2	54
1578	Multifractality of sectoral price indices: Hurst signature analysis of Cantillon effects in disequilibrium factor markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 403, 252-264.	1.2	9
1579	A criterion for the determination of optimal scaling ranges in DFA and MF-DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 397, 17-30.	1.2	39

#	ARTICLE	IF	CITATIONS
1580	Data-based automated diagnosis and iterative retuning of proportional-integral (PI) controllers. <i>Control Engineering Practice</i> , 2014, 29, 23-41.	3.2	23
1581	Multifractal analyses of daily rainfall time series in Pearl River basin of China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 193-202.	1.2	47
1582	Self-affinity and nonextensivity of sunspots. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 494-496.	0.9	13
1583	Measuring correlations between non-stationary series with DCCA coefficient. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 402, 291-298.	1.2	191
1584	Multifractal parameters as an indication of different physiological and pathological states of the human brain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 396, 155-163.	1.2	48
1585	On fingerprinting probing activities. <i>Computers and Security</i> , 2014, 43, 35-48.	4.0	31
1586	Multifractal detrended cross-correlation analysis of carbon and crude oil markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 399, 113-125.	1.2	68
1587	Memory and long-range correlations in chess games. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 394, 304-311.	1.2	11
1588	Multifractality and long memory of a financial index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 394, 226-234.	1.2	38
1589	Strong anticipation and long-range cross-correlation: Application of detrended cross-correlation analysis to human behavioral data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 394, 47-60.	1.2	37
1591	A 2-D wavelet decomposition-based bag-of-visual-words model for land-use scene classification. <i>International Journal of Remote Sensing</i> , 2014, 35, 2296-2310.	1.3	117
1592	The fractal nature of blood glucose fluctuations. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 646-651.	1.2	13
1593	Short-term forecasting of high-speed rail demand: A hybrid approach combining ensemble empirical mode decomposition and gray support vector machine with real-world applications in China. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 44, 110-127.	3.9	122
1594	Entrainment to a real time fractal visual stimulus modulates fractal gait dynamics. <i>Human Movement Science</i> , 2014, 36, 20-34.	0.6	59
1595	The effect of linear mixing in the EEG on Hurst exponent estimation. <i>NeuroImage</i> , 2014, 99, 377-387.	2.1	33
1596	Protein sequence complexity revisited. Relationship with fractal 3D structure, topological and kinetic parameters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 287-301.	1.2	1
1597	Stochastic GARCH dynamics describing correlations between stocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 623-627.	1.2	5
1598	Spike avalanches in vivo suggest a driven, slightly subcritical brain state. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 108.	1.2	246

#	ARTICLE	IF	CITATIONS
1599	General anesthesia suppresses normal heart rate variability in humans. Chaos, 2014, 24, 023129.	1.0	15
1600	The spatial scale dependence of water vapor variability inferred from observations from a very tall tower. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9822-9837.	1.2	6
1601	Characteristics of Stride Behavior During Treadmill Walking and Stationary Stepping. Journal of Applied Biomechanics, 2014, 30, 534-541.	0.3	4
1602	New approach for automatic classification of Alzheimer's disease, mild cognitive impairment and healthy brain magnetic resonance images. Healthcare Technology Letters, 2014, 1, 32-36.	1.9	44
1603	Short-term prediction of land surface temperature using multifractal detrended fluctuation analysis. , 2014, , .		7
1604	Quantifying photometric observing conditions on Paranal using an IR camera. , 2014, , .		1
1605	Mechanisms of elastic turbulence in gelatinized starch dispersions. Chaos, Solitons and Fractals, 2015, 77, 29-38.	2.5	4
1606	Quantifying two-dimensional nonstationary signal with power-law correlations by detrended fluctuation analysis. European Physical Journal B, 2015, 88, 1.	0.6	4
1607	Multifractal detrended cross-correlation analysis of Indian Electricity market. , 2015, , .		1
1608	Fractal pattern of heart rate variability revealing unknown very low frequency properties. , 2015, , .		1
1609	Effects of backward difference on DFA of RR interval data of CHF subjects. , 2015, , .		0
1610	Evaluation of the performance of the Beijing Climate Centre Climate System Model 1.1(m) to simulate precipitation across China based on long-range correlation characteristics. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12576-12588.	1.2	18
1611	Adjusted Hurst exponent evaluations for equity and energy markets. Journal of Statistics and Management Systems, 2015, 18, 189-202.	0.3	5
1612	Classification of cardiac arrhythmia in vitro based on multivariate complexity analysis. , 2015, , .		1
1613	Intrinsic vs. spurious long-range memory in high-frequency records of environmental radioactivity. European Physical Journal: Special Topics, 2015, 224, 741-762.	1.2	13
1614	Existence of anticorrelations for local field potentials recorded from mice reared in standard condition and environmental enrichment. Physical Review E, 2015, 91, 012702.	0.8	5
1615	Detrended partial cross-correlation analysis of two nonstationary time series influenced by common external forces. Physical Review E, 2015, 91, 062816.	0.8	178
1616	Scaling behavior and complexity of plastic deformation for a bulk metallic glass at cryogenic temperatures. Physical Review E, 2015, 92, 012113.	0.8	24

#	ARTICLE	IF	CITATIONS
1617	Dimensionality reduction and dynamical filtering: Stimulated Brillouin scattering in optical fibers. <i>Physical Review E</i> , 2015, 92, 022903.	0.8	0
1618	Self-organized dynamical complexity in human wakefulness and sleep: Different critical brain-activity feedback for conscious and unconscious states. <i>Physical Review E</i> , 2015, 92, 032808.	0.8	40
1619	Establishing a direct connection between detrended fluctuation analysis and Fourier analysis. <i>Physical Review E</i> , 2015, 92, 042925.	0.8	53
1620	Detrended fluctuation analysis made flexible to detect range of cross-correlated fluctuations. <i>Physical Review E</i> , 2015, 92, 052815.	0.8	121
1621	Nonlinear mode decomposition: A noise-robust, adaptive decomposition method. <i>Physical Review E</i> , 2015, 92, 032916.	0.8	94
1622	A Multifractal Detrended Fluctuation Analysis of the Ising Financial Markets Model with Small World Topology. <i>Chinese Physics Letters</i> , 2015, 32, 090501.	1.3	4
1623	Joint multifractal analysis based on the partition function approach: analytical analysis, numerical simulation and empirical application. <i>New Journal of Physics</i> , 2015, 17, 103020.	1.2	70
1624	Magnetic field fluctuation features at Swarm's altitude: A fractal approach. <i>Geophysical Research Letters</i> , 2015, 42, 3100-3105.	1.5	24
1625	Estimating the anomalous diffusion exponent for single particle tracking data with measurement errors - An alternative approach. <i>Scientific Reports</i> , 2015, 5, 11306.	1.6	60
1626	Complex network approach to fractional time series. <i>Chaos</i> , 2015, 25, 103105.	1.0	19
1627	Extracting climate memory using Fractional Integrated Statistical Model: A new perspective on climate prediction. <i>Scientific Reports</i> , 2014, 4, 6577.	1.6	38
1628	Food safety incidents in Beijing: occurrence patterns, causes and wider social implications. <i>Palgrave Communications</i> , 2015, 1, .	4.7	2
1629	A time-“scaling property of air pollution indices: a case study of Shanghai, China. <i>Atmospheric Pollution Research</i> , 2015, 6, 886-892.	1.8	29
1630	Scaling laws of turbulence intermittency in the atmospheric boundary layer: the role of stability. <i>Journal of Physics: Conference Series</i> , 2015, 633, 012065.	0.3	0
1631	Modified climate with long term memory in tree ring proxies. <i>Environmental Research Letters</i> , 2015, 10, 084020.	2.2	21
1632	On the scaling of the solar incident flux. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7301-7306.	1.9	23
1633	Analysis of multifractal strengths in game behaviors. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1617-1622.	0.3	1
1634	Non-exponential return time distributions for vorticity extremes explained by fractional Poisson processes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 249-257.	1.0	28

#	ARTICLE	IF	CITATIONS
1635	Detecting persistence of meteorological drought <i>via</i> the Hurst exponent. Meteorological Applications, 2015, 22, 763-769.	0.9	55
1636	Complexity analysis of human physiological signals based on case studies. Journal of Physics: Conference Series, 2015, 597, 012010.	0.3	0
1637	On the inference and prediction of DDoS campaigns. Wireless Communications and Mobile Computing, 2015, 15, 1066-1078.	0.8	17
1638	Whatâ€™s New in the Treatment of Poor Levator Function with Severe Blepharoptosis. Plastic and Reconstructive Surgery, 2015, 136, 100.	0.7	0
1639	7. General Discussion. , 2015, , 222-260.		0
1640	Word-Length Correlations and Memory in Large Texts: A Visibility Network Analysis. Entropy, 2015, 17, 7798-7810.	1.1	14
1641	MF-DFA Analysis of Turbulent Transport Measured by a Multipurpose Probe. Chinese Physics Letters, 2015, 32, 105201.	1.3	2
1642	Multifractal Detrended Fluctuation Analysis of Streamflow in the Yellow River Basin, China. Water (Switzerland), 2015, 7, 1670-1686.	1.2	64
1643	Synchronous Oscillations Intrinsic to Water: Applications to Cellular Time Keeping and Water Treatment. Water (Switzerland), 2015, 7, 2082-2100.	1.2	1
1644	Detecting Chronotaxic Systems from Single-Variable Time Series with Separable Amplitude and Phase. Entropy, 2015, 17, 4413-4438.	1.1	53
1645	Detecting the Temporal Scaling Behavior of the Normalized Difference Vegetation Index Time Series in China Using a Detrended Fluctuation Analysis. Remote Sensing, 2015, 7, 12942-12960.	1.8	6
1646	Objective differentiation of neonatal EEG background grades using detrended fluctuation analysis. Frontiers in Human Neuroscience, 2015, 9, 189.	1.0	29
1647	The Effect of the Underlying Distribution in Hurst Exponent Estimation. PLoS ONE, 2015, 10, e0127824.	1.1	16
1648	Fluctuations of Hi-Hat Timing and Dynamics in a Virtuoso Drum Track of a Popular Music Recording. PLoS ONE, 2015, 10, e0127902.	1.1	15
1649	The Application of Auto-Disturbance Rejection Control Optimized by Least Squares Support Vector Machines Method and Time-Frequency Representation in Voltage Source Converter-High Voltage Direct Current System. PLoS ONE, 2015, 10, e0130135.	1.1	2
1650	Behavior of Early Warnings near the Critical Temperature in the Two-Dimensional Ising Model. PLoS ONE, 2015, 10, e0130751.	1.1	17
1651	Resting state MEG oscillations show long-range temporal correlations of phase synchrony that break down during finger movement. Frontiers in Physiology, 2015, 6, 183.	1.3	22
1652	Loss Aversion, Adaptive Beliefs, and Asset Pricing Dynamics. Advances in Decision Sciences, 2015, 2015, 1-18.	1.4	3

#	ARTICLE	IF	CITATIONS
1653	Forecasting RMB Exchange Rate Based on a Nonlinear Combination Model of ARFIMA, SVM, and BPNN. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-10.	0.6	7
1654	Brain Dynamics of Aging: Multiscale Variability of EEG Signals at Rest and during an Auditory Oddball Task. <i>ENeuro</i> , 2015, 2, ENEURO.0067-14.2015.	0.9	48
1655	Multi-level segment analysis: definition and application in turbulent systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P06018.	0.9	6
1656	Cross-Correlations between Chinese Renminbi Onshore- and Offshore-Markets: A MF-DCCA Approach. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1657	The scaling properties of stock markets based on modified multiscale multifractal detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 525-537.	1.2	21
1658	US inflation dynamics on long-range data. <i>Applied Economics</i> , 2015, 47, 3874-3890.	1.2	8
1659	Characterizing and modelling persistence in the number of lottery winners. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	0
1660	Long memory in international financial markets trends and short movements during 2008 financial crisis based on variational mode decomposition and detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 130-138.	1.2	90
1661	On the local Hurst exponent of geomagnetic field fluctuations: Spatial distribution for different geomagnetic activity levels. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2691-2701.	0.8	16
1662	EMD based refined composite multiscale entropy analysis of complex signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 583-593.	1.2	33
1663	The fluctuation function of the detrended fluctuation analysis " investigation on the AR(1) process. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	28
1664	Long correlations and fractional difference analysis applied to the study of memory effects in high-frequency (tick) data. <i>Quantitative Finance</i> , 2015, 15, 1365-1374.	0.9	2
1665	Estimating serial correlation and self-similarity in financial time series "A diversification approach with applications to high frequency data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 84-98.	1.2	6
1666	Evolving efficiency of spot and futures energy markets: A rolling sample approach. <i>Journal of Behavioral and Experimental Finance</i> , 2015, 6, 67-79.	2.1	32
1667	Revisiting Covered Interest Parity in the European Union: the DCCA Approach. <i>International Economic Journal</i> , 2015, 29, 597-615.	0.5	24
1668	Respiratory signal derived from the smartphone built-in accelerometer during a Respiratory Load Protocol. , 2015, 2015, 6768-71.		11
1669	Topological Analysis of Rough Surfaces Using Persistent Homology. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 113001.	0.7	2
1670	The relationship between the detrended fluctuation analysis and the autocorrelation function of a signal. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	54

#	ARTICLE	IF	CITATIONS
1671	Non-Gaussian distributions of melodic intervals in music: The Lévy-stable approximation. Europhysics Letters, 2015, 112, 40003.	0.7	3
1672	Scaling behavior of EEG amplitude and frequency time series across sleep stages. Europhysics Letters, 2015, 112, 18001.	0.7	14
1673	Self-organized criticality and the dynamics of near-marginal turbulent transport in magnetically confined fusion plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 123002.	0.9	44
1674	Testing the Self-Similarity Exponent to Feature Extraction in Motor Imagery Based Brain Computer Interface Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1540023.	0.7	4
1675	The Efficient Market Hypothesis: Review of Specialized Literature and Empirical Research. Procedia Economics and Finance, 2015, 32, 442-449.	0.6	74
1676	Abnormal statistical properties of stock indexes during a financial crash. Physica A: Statistical Mechanics and Its Applications, 2015, 422, 73-88.	1.2	2
1677	Quantifying cross-correlation between Ibovespa and Brazilian blue-chips: The DCCA approach. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 124-129.	1.2	43
1678	Fatigue reduces the complexity of knee extensor torque fluctuations during maximal and submaximal intermittent isometric contractions in man. Journal of Physiology, 2015, 593, 2085-2096.	1.3	74
1679	Very prolonged practice in block of trials: Scaling of fitness, universality and persistence. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 82-89.	1.2	2
1680	Multifractal characteristic analysis of near-fault earthquake ground motions. Soil Dynamics and Earthquake Engineering, 2015, 72, 12-23.	1.9	13
1681	Long-term correlations and cross-correlations in wind speed and solar radiation temporal series from Fernando de Noronha Island, Brazil. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 90-96.	1.2	68
1682	Power spectrum analysis and multifractal detrended fluctuation analysis of Earth's gravity time series. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 426-434.	1.2	26
1683	Analysis of detrended time-lagged cross-correlation between two nonstationary time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 680-687.	0.9	76
1684	Affective detection based on an imbalanced fuzzy support vector machine. Biomedical Signal Processing and Control, 2015, 18, 118-126.	3.5	9
1685	Predictability of price movements in deregulated electricity markets. Energy Economics, 2015, 49, 72-81.	5.6	12
1686	Multifractal properties of price change and volume change of stock market indices. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 46-51.	1.2	60
1687	Financial time series modeling using the Hurst exponent. Physica A: Statistical Mechanics and Its Applications, 2015, 425, 50-68.	1.2	28
1688	Characterizing Detrended Fluctuation Analysis of multifractional Brownian motion. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 698-706.	1.2	15

#	ARTICLE	IF	CITATIONS
1689	Multifractal detrended fluctuation analysis of particle density fluctuations in high-energy nuclear collisions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 424, 25-33.	1.2	27
1690	General correlation analysis: a new algorithm and application. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 665-677.	1.9	15
1691	The multiscale analysis between stock market time series. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550071.	0.8	5
1692	Two-dimensional DFA scaling analysis applied to encrypted images. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550093.	0.8	11
1693	Dynamic Singularity Spectrum Distribution of Sea Clutter. <i>Fluctuation and Noise Letters</i> , 2015, 14, 1550004.	1.0	2
1694	Does the weather affect the Chinese stock markets? Evidence from the analysis of DCCA cross-correlation coefficient. <i>International Journal of Modern Physics B</i> , 2015, 29, 1450236.	1.0	20
1695	Synaptosomal Membrane-Based Langmuir-Blodgett Films: A Platform for Studies on \hat{I}^3 -Aminobutyric Acid Type A Receptor Binding Properties. <i>Langmuir</i> , 2015, 31, 1792-1801.	1.6	8
1696	Change \hat{I}^S of the entropy in natural time under time reversal: Complexity measures upon change of scale. <i>Europhysics Letters</i> , 2015, 109, 18002.	0.7	33
1697	Early Warning of Abrupt Displacement Change at the Yemaomian Landslide of the Three Gorge Region, China. <i>Natural Hazards Review</i> , 2015, 16, 04015004.	0.8	8
1698	Multifractal characterization of global temperature anomalies. <i>Theoretical and Applied Climatology</i> , 2015, 121, 641-648.	1.3	40
1699	Symmetric scaling properties in global surface air temperature anomalies. <i>Theoretical and Applied Climatology</i> , 2015, 121, 767-773.	1.3	6
1700	A voyage through scales, a missing quadrillion and why the climate is not what you expect. <i>Climate Dynamics</i> , 2015, 44, 3187-3210.	1.7	76
1701	EFFECTS OF POLYNOMIAL TRENDS ON DETRENDING MOVING AVERAGE ANALYSIS. <i>Fractals</i> , 2015, 23, 1550034.	1.8	34
1702	Compositional segmentation of time series in the financial markets. <i>Applied Mathematics and Computation</i> , 2015, 268, 399-412.	1.4	8
1703	Fractal aspects in enriched combustion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 268-272.	1.2	9
1704	Extreme values in the Chinese and American stock markets based on detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 25-35.	1.2	30
1705	Scaling law of diffusivity generated by a noisy telegraph signal with fractal intermittency. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 451-462.	2.5	8
1706	Long-range dependencies make the difference—Comment on “A stochastic model for EEG microstate sequence analysis”. <i>NeuroImage</i> , 2015, 117, 449-455.	2.1	31

#	ARTICLE	IF	CITATIONS
1707	Multifractal detrended cross-correlation analysis between PM2.5 and meteorological factors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 438, 114-123.	1.2	93
1708	Experimental control of scaling behavior: what is not fractal?. <i>Experimental Brain Research</i> , 2015, 233, 2813-2821.	0.7	26
1709	Nonstationary Analysis of Annual Maximum Streamflow of Canada. <i>Journal of Climate</i> , 2015, 28, 1788-1805.	1.2	55
1710	Detrended fluctuation analysis as a regression framework: Estimating dependence at different scales. <i>Physical Review E</i> , 2015, 91, 022802.	0.8	71
1711	Developing trading strategies based on fractal finance: An application of MF-DFA in the context of Islamic equities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 438, 223-235.	1.2	22
1712	STATISTICAL PROPERTIES OF SOLAR CORONAL BRIGHT POINTS. <i>Astrophysical Journal</i> , 2015, 807, 175.	1.6	45
1713	Advances in heart rate variability signal analysis: joint position statement by the e-Cardiology ESC Working Group and the European Heart Rhythm Association co-endorsed by the Asia Pacific Heart Rhythm Society. <i>Europace</i> , 2015, 17, 1341-1353.	0.7	589
1714	Multifractal nature of particulate matters (PMs) in Hong Kong urban air. <i>Science of the Total Environment</i> , 2015, 532, 744-751.	3.9	34
1715	Symbolic Entropy of the Amplitude rather than the Instantaneous Frequency of EEG Varies in Dementia. <i>Entropy</i> , 2015, 17, 560-579.	1.1	7
1716	Using Continuous Glucose Monitoring Data and Detrended Fluctuation Analysis to Determine Patient Condition. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 1327-1335.	1.3	13
1717	Measuring the uncertainty of coupling. <i>Europhysics Letters</i> , 2015, 110, 60007.	0.7	10
1718	Evaluation of the continuous detection of mental calculation episodes as a BCI control input. <i>Computers in Biology and Medicine</i> , 2015, 64, 155-162.	3.9	7
1719	Multifractal detrended cross-correlation analysis of coding and non-coding DNA sequences through chaos-game representation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 596-603.	1.2	22
1720	Impact of Scaling Range on the Effectiveness of Detrending Methods. <i>Acta Physica Polonica A</i> , 2015, 127, A-59-A-65.	0.2	6
1721	MULTIFRACTAL DETRENDED FLUCTUATION ANALYSIS OF ELECTRIC LOAD SERIES. <i>Fractals</i> , 2015, 23, 1550010.	1.8	14
1722	Analyzing long-term correlated stochastic processes by means of recurrence networks: Potentials and pitfalls. <i>Physical Review E</i> , 2015, 91, 022926.	0.8	13
1723	Hurst exponent of very long birth time series in XX century Romania. Social and religious aspects. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 429, 109-117.	1.2	10
1724	Robust linear regression with broad distributions of errors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 257-267.	1.2	5

#	ARTICLE	IF	CITATIONS
1725	Can the bivariate Hurst exponent be higher than an average of the separate Hurst exponents?. Physica A: Statistical Mechanics and Its Applications, 2015, 431, 124-127.	1.2	36
1726	Nonlinear time-series analysis revisited. Chaos, 2015, 25, 097610.	1.0	252
1727	Multifractal Detrended Cross-correlation Analysis of Market Clearing Price of electricity and SENSEX in India. Physica A: Statistical Mechanics and Its Applications, 2015, 434, 52-59.	1.2	7
1728	Power-law correlations in finance-related Google searches, and their cross-correlations with volatility and traded volume: Evidence from the Dow Jones Industrial components. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 194-205.	1.2	38
1729	Asymmetric long-term persistence analysis in sea surface temperature anomaly. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 314-318.	1.2	8
1730	Multifractal cross-correlation analysis in electricity spot market. Physica A: Statistical Mechanics and Its Applications, 2015, 429, 17-27.	1.2	28
1731	The essence of multifractal detrended fluctuation technique to explore the dynamics of soil radon precursor for earthquakes. Natural Hazards, 2015, 78, 855-877.	1.6	13
1732	Analysing correlations after the financial crisis of 2008 and multifractality in global financial time series. Pramana - Journal of Physics, 2015, 84, 317-325.	0.9	10
1733	On the Long-Term Climate Memory in the Surface Air Temperature Records over Antarctica: A Nonnegligible Factor for Trend Evaluation. Journal of Climate, 2015, 28, 5922-5934.	1.2	41
1734	Examination of Scale-Invariant Characteristics of Multi-channel ECoG Data for Epileptic Seizure Localization. Journal of Medical and Biological Engineering, 2015, 35, 278-284.	1.0	2
1735	Return volatility interval analysis of stock indexes during a financial crash. Physica A: Statistical Mechanics and Its Applications, 2015, 434, 151-163.	1.2	5
1736	Interpretation of postural control may change due to data processing techniques. Gait and Posture, 2015, 41, 731-735.	0.6	54
1737	A Dynamical Systems Explanation of the Hurst Effect and Atmospheric Low-Frequency Variability. Scientific Reports, 2015, 5, 9068.	1.6	32
1738	Multifractality, efficiency analysis of Chinese stock market and its cross-correlation with WTI crude oil price. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 101-113.	1.2	43
1739	Computing on Base Station Behavior Using Erlang Measurement and Call Detail Record. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 444-453.	3.2	24
1740	Traffic signals analysis using qSDiff and qHDiff with surrogate data. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 98-108.	1.7	14
1741	Paradoxical Response to an Emotional Task: Trait Characteristics and Heart-Rate Dynamics. International Journal of Clinical and Experimental Hypnosis, 2015, 63, 182-197.	1.1	2
1742	Power-law dynamics in neuronal and behavioral data introduce spurious correlations. Human Brain Mapping, 2015, 36, 2901-2914.	1.9	20

#	ARTICLE	IF	CITATIONS
1743	Multifractal cross-correlation analysis of traffic time series based on large deviation estimates. <i>Nonlinear Dynamics</i> , 2015, 81, 1779-1794.	2.7	13
1744	Temporal correlation patterns in pre-seismic electromagnetic emissions reveal distinct complexity profiles prior to major earthquakes. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 44-55.	1.2	19
1745	Disturbed temporal dynamics of brain synchronization in vision loss. <i>Cortex</i> , 2015, 67, 134-146.	1.1	29
1746	Detrended Partial-Cross-Correlation Analysis: A New Method for Analyzing Correlations in Complex System. <i>Scientific Reports</i> , 2015, 5, 8143.	1.6	80
1747	Characteristics analysis of nonstationary signals based on multifractal detrended fluctuation analysis method. , 2015, , .		1
1748	Turbulence-induced persistence in laser beam wandering. <i>Optics Letters</i> , 2015, 40, 3145.	1.7	21
1749	A new detrended semipartial cross-correlation analysis: Assessing the important meteorological factors affecting API. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2962-2969.	0.9	15
1750	Complexity testing techniques for time series data: A comprehensive literature review. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 117-135.	2.5	93
1751	Distinguishing short and long Fermi gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1132-1139.	1.6	17
1752	Epilepsy detection using Empirical Mode Decomposition and detrended Fluctuation Analysis. , 2015, , .		2
1753	MULTIFRACTAL DETRENDED CROSS-CORRELATION ANALYSIS FOR LARGE-SCALE WAREHOUSE-OUT BEHAVIORS. <i>Fractals</i> , 2015, 23, 1550044.	1.8	7
1754	Asymmetric statistical features of the Chinese domestic and international gold price fluctuation. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550113.	1.0	7
1755	Complexity and dynamics of switched human balance control during quiet standing. <i>Biological Cybernetics</i> , 2015, 109, 469-478.	0.6	2
1757	Agent-based simulations of financial markets: zero- and positive-intelligence models. <i>Simulation</i> , 2015, 91, 527-552.	1.1	6
1758	Fractional order description of DNA. <i>Applied Mathematical Modelling</i> , 2015, 39, 4095-4102.	2.2	28
1759	The coupling analysis of stock market indices based on cross-permutation entropy. <i>Nonlinear Dynamics</i> , 2015, 79, 2439-2447.	2.7	21
1760	Large deviations estimates for the multiscale analysis of traffic speed time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 562-570.	1.2	10
1761	Multifractal regime detecting method for financial time series. <i>Chaos, Solitons and Fractals</i> , 2015, 70, 117-129.	2.5	14

#	ARTICLE	IF	CITATIONS
1762	Long-range correlations and trends in Colombian seismic time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 124-133.	1.2	31
1763	Discrete scale-invariance in cross-correlations between time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 161-170.	1.2	6
1764	Multiscale multifractal diffusion entropy analysis of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 420, 221-228.	1.2	21
1765	Long-range correlations in vehicular traffic flow studied in the framework of Kerner's three-phase theory based on rescaled range analysis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 285-296.	1.7	17
1766	Reliability analysis for sluice gate anti-sliding stability using Lévy stable distributions. <i>Signal Processing</i> , 2015, 107, 425-432.	2.1	5
1767	Long-range correlation behaviors for the 0-cm average ground surface temperature and average air temperature over China. <i>Theoretical and Applied Climatology</i> , 2015, 119, 25-31.	1.3	23
1768	A review of aggregation techniques for agent-based models: understanding the presence of long-term memory. <i>Quality and Quantity</i> , 2015, 49, 1693-1717.	2.0	2
1769	Multifractal analysis of Asian markets during 2007-2008 financial crisis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 746-761.	1.2	66
1770	Finite sample properties of power-law cross-correlations estimators. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 513-525.	1.2	18
1771	Evidence of multifractality from CEE exchange rates against Euro. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 395-407.	1.2	22
1772	Nonlinear joint dynamics between prices of crude oil and refined products. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 444-456.	1.2	15
1773	The troika of business cycle, efficiency and volatility. An East Asian perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 158-170.	1.2	23
1774	The Hurst exponents of <i>Nitzschia</i> sp. diatom trajectories observed by light microscopy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 176-184.	1.2	9
1775	Parallel Detrended Fluctuation Analysis for Fast Event Detection on Massive PMU Data. <i>IEEE Transactions on Smart Grid</i> , 2015, 6, 360-368.	6.2	43
1776	A novel approach for generating routable road maps from vehicle GPS traces. <i>International Journal of Geographical Information Science</i> , 2015, 29, 69-91.	2.2	81
1777	Cross-evidence for hypnotic susceptibility through nonlinear measures on EEGs of non-hypnotized subjects. <i>Scientific Reports</i> , 2014, 4, 5610.	1.6	5
1778	Memory effects in stock price dynamics: evidences of technical trading. <i>Scientific Reports</i> , 2014, 4, 4487.	1.6	17
1779	Stream response to precipitation variability: a spectral view based on analysis and modelling of hydrological cycle components. <i>Hydrological Processes</i> , 2015, 29, 1806-1816.	1.1	16

#	ARTICLE	IF	CITATIONS
1780	Multivariate multiscale entropy analysis of horizontal oil-water two-phase flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 7-17.	1.2	23
1781	Multifractal formalism by enforcing the universal behavior of scaling functions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 150-167.	1.2	54
1782	Complex networks from experimental horizontal oil-water flows: Community structure detection versus flow pattern discrimination. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 790-797.	0.9	11
1783	Influence of High Energy Electromagnetic Pulses on the Dynamics of the Seismic Process Around the Bishkek Test Area (Central Asia). <i>Pure and Applied Geophysics</i> , 2015, 172, 1893-1908.	0.8	1
1784	Improved power-law estimates from multiple samples provided by millennium climate simulations. <i>Theoretical and Applied Climatology</i> , 2015, 119, 667-677.	1.3	8
1785	A comparison of statistical methods for benchmarking the threshold of daily precipitation extremes in the Shanghai metropolitan area during 1981-2010. <i>Theoretical and Applied Climatology</i> , 2015, 120, 601-607.	1.3	11
1786	Performance of the Multifractal Model of Asset Returns (MMAR): Evidence from Emerging Stock Markets. <i>International Journal of Financial Studies</i> , 2016, 4, 11.	1.1	8
1787	Estimation of background gas concentration from differential absorption lidar measurements. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4879-4890.	1.2	0
1788	Chaotic Brain, Musical Mind-A Non-Linear eurocognitive Physics Based Study. <i>Journal of Neurology and Neuroscience</i> , 2016, 7, .	0.4	5
1789	Are there multiple scaling regimes in Holocene temperature records?. <i>Earth System Dynamics</i> , 2016, 7, 419-439.	2.7	15
1790	Speech Emotion Quantification with Chaos-Based Modified Visibility Graph- Possible Precursor of Suicidal Tendency. <i>Journal of Neurology and Neuroscience</i> , 2016, 7, .	0.4	8
1791	Comparative Multifractal Detrended Fluctuation Analysis of Heavy Ion Interactions at a Few GeV to a Few Hundred GeV. <i>Advances in High Energy Physics</i> , 2016, 2016, 1-9.	0.5	7
1792	Nonlinearity and Fractal Properties of Climate Change during the Past 500 Years in Northwestern China. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-7.	0.5	9
1793	Cardiopulmonary Resuscitation Pattern Evaluation Based on Ensemble Empirical Mode Decomposition Filter via Nonlinear Approaches. <i>BioMed Research International</i> , 2016, 2016, 1-6.	0.9	0
1794	Understanding Persistence to Avoid Underestimation of Collective Flood Risk. <i>Water (Switzerland)</i> , 2016, 8, 152.	1.2	27
1795	The Parkinsonian Subthalamic Network: Measures of Power, Linear, and Non-linear Synchronization and their Relationship to L-DOPA Treatment and OFF State Motor Severity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 517.	1.0	28
1796	Influence of Sub-Daily Variation on Multi-Fractal Detrended Fluctuation Analysis of Wind Speed Time Series. <i>PLoS ONE</i> , 2016, 11, e0146284.	1.1	8
1797	Transient Superdiffusion and Long-Range Correlations in the Motility Patterns of Trypanosomatid Flagellate Protozoa. <i>PLoS ONE</i> , 2016, 11, e0152092.	1.1	19

#	ARTICLE	IF	CITATIONS
1798	Long-Range Correlations in Sentence Series from A Story of the Stone. PLoS ONE, 2016, 11, e0162423.	1.1	15
1799	Long-Range Memory in Literary Texts: On the Universal Clustering of the Rare Words. PLoS ONE, 2016, 11, e0164658.	1.1	14
1800	The Electronic Behavior of Zinc-Finger Protein Binding Sites in the Context of the DNA Extended Ladder Model. Frontiers in Physics, 2016, 4, .	1.0	3
1801	The Path to Exhaustion: Time-Variability Properties of Coordinative Variables during Continuous Exercise. Frontiers in Physiology, 2016, 7, 37.	1.3	27
1802	Persistence of reduced neuromotor noise in long-term motor skill learning. Journal of Neurophysiology, 2016, 116, 2922-2935.	0.9	21
1803	Study of Void Probability Scaling of Singly Charged Particles Produced in Ultrarelativistic Nuclear Collision in Fractal Scenario. Advances in High Energy Physics, 2016, 2016, 1-5.	0.5	5
1804	On the detection of superdiffusive behaviour in time series. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 123205.	0.9	3
1805	Seeking a fingerprint: analysis of point processes in actigraphy recording. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 054034.	0.9	6
1806	Scaling analysis of heart beat fluctuations data and its relationship with cyclic alternating pattern data during sleep. International Journal of Modern Physics C, 2016, 27, 1650071.	0.8	4
1807	Long-range correlation in the drought and flood index from 1470 to 2000 in eastern China. International Journal of Climatology, 2016, 36, 1676-1685.	1.5	27
1808	Bacterial Fe(II) oxidation distinguished by long-range correlation in redox potential. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1249-1257.	1.3	9
1809	Do climate models reproduce complexity of observed sea level changes?. Geophysical Research Letters, 2016, 43, 5176-5184.	1.5	14
1810	Do foreign exchange and equity markets co-move in Latin American region? Detrended cross-correlation approach. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 889-897.	1.2	43
1811	Self-affinity in the dengue fever time series. International Journal of Modern Physics C, 2016, 27, 1650143.	0.8	6
1812	Improved wavelet transform for noise reduction in power analysis attacks. , 2016, , .		12
1813	Nonlinear dynamics methods for tachogram series analysis based on detrended fluctuation analysis and Higuchi's fractal dimension. AIP Conference Proceedings, 2016, , .	0.3	0
1814	Statistical prediction of protein structural, localization and functional properties by the analysis of its fragment mass distributions after proteolytic cleavage. Scientific Reports, 2016, 6, 22286.	1.6	18
1815	Multifractals embedded in short time series: An unbiased estimation of probability moment. Physical Review E, 2016, 94, 062201.	0.8	15

#	ARTICLE	IF	CITATIONS
1816	Persistence in eye movement during visual search. Scientific Reports, 2016, 6, 20815.	1.6	39
1817	Detrended fluctuation analysis of EEG recordings for epileptic seizure detection. , 2016, , .		7
1818	Spectral analysis on vibroarthrographic signal of total knee arthroplasty. , 2016, , .		0
1819	Long memory mean and volatility models of platinum and palladium price return series under heavy tailed distributions. SpringerPlus, 2016, 5, 2089.	1.2	2
1820	Complex network analysis of time series. Europhysics Letters, 2016, 116, 50001.	0.7	230
1821	Non-Gaussian and persistence measures for control loop quality assessment. Chaos, 2016, 26, 043105.	1.0	20
1822	DCCA cross-correlation analysis of 3D wind field signals in indoor and outdoor environments. , 2016, , .		4
1823	Multiscale multifractal analysis of near-surface wind speed time series. , 2016, , .		1
1824	Multifractal modeling of the production of concentrated sugar syrup crystal. Chinese Physics B, 2016, 25, 070502.	0.7	1
1825	Long-range correlations in amplitude variability of HF and LF components of heart rate variability. , 2016, 2016, 6218-6221.		2
1826	A novel coefficient for detecting and quantifying asymmetry of California electricity market based on asymmetric detrended cross-correlation analysis. Chaos, 2016, 26, 063109.	1.0	9
1827	Detecting and modelling delayed density-dependence in abundance time series of a small mammal (<i>Didelphis aurita</i>). Scientific Reports, 2016, 6, 19553.	1.6	10
1828	Random walk with chaotically driven bias. Scientific Reports, 2016, 6, 38634.	1.6	8
1829	Pure return persistence, Hurst exponents and hedge fund selection â€” A practical note. Journal of Asset Management, 2016, 17, 319-330.	0.7	2
1831	Self-similar characteristics of single nucleotide polymorphisms in the rice genome. Journal of the Korean Physical Society, 2016, 69, 1591-1596.	0.3	0
1832	Kendall's tau of frequency Hurst exponent as blackout proximity Margin. , 2016, , .		9
1833	Modelling chronotoxicity of cellular energy metabolism to facilitate the identification of altered metabolic states. Scientific Reports, 2016, 6, 29584.	1.6	20
1834	Multiplicity fluctuation and phase transition in high-energy collision â€” A chaos-based study with complex network perspective. International Journal of Modern Physics A, 2016, 31, 1650185.	0.5	11

#	ARTICLE	IF	CITATIONS
1835	Evidence of long-range dependence in power grid. , 2016, , .		17
1836	Irregular Liesegang-type patterns in gas phase revisited. II. Statistical correlation analysis. Journal of Chemical Physics, 2016, 144, 174702.	1.2	3
1837	Detrended fluctuation analysis of the Ornstein-Uhlenbeck process: Stationarity versus nonstationarity. Chaos, 2016, 26, 113109.	1.0	5
1838	Multiscale limited penetrable horizontal visibility graph for analyzing nonlinear time series. Scientific Reports, 2016, 6, 35622.	1.6	135
1839	Traffic Time Series Simulation Analysis by Using MSE and MFDFA. , 2016, , .		0
1840	Smoothed detrended fluctuation analysis. Journal of Statistical Computation and Simulation, 2016, 86, 3388-3397.	0.7	4
1841	Clustering of Casablanca stock market based on hurst exponent estimates. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 310-318.	1.2	34
1842	The influence of trading volume on market efficiency: The DCCA approach. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 259-265.	1.2	15
1843	Precursors to self-sustained oscillations in aeroacoustic systems. International Journal of Aeroacoustics, 2016, 15, 312-323.	0.8	15
1844	Spectral fluctuation analysis of ionospheric inhomogeneities over Brazilian territory. Part I: Equatorial F-region plasma bubbles. Advances in Space Research, 2016, 58, 2037-2042.	1.2	3
1845	Identifying the Transition from Efficient-Market to Herding Behavior: Using a Method from Econophysics. Journal of Behavioral Finance, 2016, 17, 157-182.	0.8	9
1846	Evolution of multifractal cross-correlations between the Argentina Merval Index and international commodities prices. Journal of Applied Statistics, 2016, 43, 2452-2461.	0.6	1
1847	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" display="inline" overflow="scroll" \rangle \langle mml:mi \rangle p \langle /mml:mi \rangle \langle /mml:math \rangle$ -exponent and $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" display="inline" overflow="scroll" \rangle \langle mml:mi \rangle p \langle /mml:mi \rangle \langle /mml:math \rangle$ -leaders, Part II: Multifractal analysis. Relations to detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2016, 448, 319-339.	1.2	34
1848	INVESTIGATING LONG-RANGE DEPENDENCE IN AMERICAN TREASURY BILLS VARIATIONS AND VOLATILITIES DURING STABLE AND UNSTABLE PERIODS. Fractals, 2016, 24, 1650025.	1.8	12
1849	Detection of multiscale properties of financial market dynamics based on an entropic segmentation method. Nonlinear Dynamics, 2016, 83, 1743-1756.	2.7	13
1850	Characteristics and Multifractal Properties of Daily Streamflow in a Semiarid Environment. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2016, 40, 49-58.	1.0	2
1851	Fractal analysis reveals subclasses of neurons and suggests an explanation of their spontaneous activity. Neuroscience Letters, 2016, 626, 54-58.	1.0	10
1852	Linear combination of power-law functions for detecting multiscaling using detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 283-293.	1.2	2

#	ARTICLE	IF	CITATIONS
1853	Autocorrelation in ultraviolet radiation measured at ground level using detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 264-270.	1.2	4
1854	Application of long-range correlation and multi-fractal analysis for the depiction of drought risk. <i>Chinese Physics B</i> , 2016, 25, 019201.	0.7	4
1855	Multifractal detrended cross-correlation analysis of genome sequences using chaos-game representation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 456, 288-293.	1.2	16
1856	Effect of Weather on Agricultural Futures Markets on the Basis of DCCA Cross-Correlation Coefficient Analysis. <i>Fluctuation and Noise Letters</i> , 2016, 15, 1650012.	1.0	19
1857	Efficiency of Thai stock markets: Detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 458, 204-209.	1.2	23
1858	Modelling volatility recurrence intervals in the Chinese commodity futures market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 457, 514-525.	1.2	4
1859	Fractal scaling in bottlenose dolphin (<i>Tursiops truncatus</i>) echolocation: A case study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 221-230.	1.2	4
1860	Asymmetrical long-run dependence between oil price and US dollar exchange rate—Based on structural oil shocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 456, 75-89.	1.2	32
1861	Multifractal detrended fluctuation analysis: Practical applications to financial time series. <i>Mathematics and Computers in Simulation</i> , 2016, 126, 63-88.	2.4	56
1862	Asymmetric multifractal detrending moving average analysis in time series of PM2.5 concentration. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 457, 322-330.	1.2	18
1863	Do carry trade returns show signs of long memory?. <i>Quarterly Review of Economics and Finance</i> , 2016, 61, 201-208.	1.5	6
1864	An analysis of multifractal characteristics of API time series in Nanjing, China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 171-179.	1.2	23
1865	Multifractal features of EUA and CER futures markets by using multifractal detrended fluctuation analysis based on empirical model decomposition. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 212-222.	2.5	39
1866	Power-law cross-correlations estimation under heavy tails. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 40, 163-172.	1.7	13
1867	The Effects of Pharmacological Compounds on Beat Rate Variations in Human Long QT-Syndrome Cardiomyocytes. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 698-707.	5.6	14
1868	GENDER DIFFERENCES IN RESPONSE TO AFFECTIVE AUDIO AND VISUAL INDUCTIONS: EXAMINATION OF NONLINEAR DYNAMICS OF AUTONOMIC SIGNALS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2016, 28, 1650024.	0.3	6
1869	Multifractal analysis of short-term wind speed time series with different sampling frequencies. , 2016, , ,		0
1870	Detrended cross-correlation coefficient: Application to predict apoptosis protein subcellular localization. <i>Mathematical Biosciences</i> , 2016, 282, 61-67.	0.9	7

#	ARTICLE	IF	CITATIONS
1871	Numerical simulation and pattern characterization of nonlinear spatiotemporal dynamics on fractal surfaces for the whole-heart modeling applications. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	12
1872	Effects of sampling frequency on magnitude and sign correlations in small-scale wind speed fluctuations. , 2016, , .		0
1873	Detrended fluctuation analysis and the difference between external drifts and intrinsic diffusionlike nonstationarity. <i>Physical Review E</i> , 2016, 94, 042201.	0.8	24
1874	Chile2015: LÃ©vy Flight and Long-Range Correlation Analysis of Earthquake Magnitudes in Chile. <i>Pure and Applied Geophysics</i> , 2016, 173, 2257-2266.	0.8	3
1875	Multifractal detrended Cross Correlation Analysis of Foreign Exchange and SENSEX fluctuation in Indian perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 463, 188-201.	1.2	31
1876	Multi-fractal scaling comparison of the Air Temperature and the Surface Temperature over China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 783-792.	1.2	13
1877	Nonlinear filtering properties of detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 807-815.	1.2	23
1878	Nonlinear stratospheric variability: multifractal de-trended fluctuation analysis and singularity spectra. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150864.	1.0	9
1879	Surface nuclear magnetic resonance signals recovery by integration of a nonâ€¦linear decomposition method with statistical analysis. <i>Geophysical Prospecting</i> , 2016, 64, 489-504.	1.0	12
1880	Robustness of Meteorological Droughts in Dynamically Downscaled Climate Simulations. <i>Journal of the American Water Resources Association</i> , 2016, 52, 138-167.	1.0	7
1881	Time and frequency domain characteristics of detrending-operation-based scaling analysis: Exact DFA and DMA frequency responses. <i>Physical Review E</i> , 2016, 94, 012111.	0.8	19
1882	Fractal study of pion void probability distribution in ultrarelativistic nuclear collision and its target dependence. <i>Modern Physics Letters A</i> , 2016, 31, 1650158.	0.5	11
1883	Temporal Taylorâ€™s scaling of facial electromyography and electrodermal activity in the course of emotional stimulation. <i>Chaos, Solitons and Fractals</i> , 2016, 90, 91-100.	2.5	7
1884	Temporal correlations imaging fixed targets through turbulence. <i>Optics Letters</i> , 2016, 41, 2855.	1.7	2
1885	Self-Similar Random Process and Chaotic Behavior In Serrated Flow of High Entropy Alloys. <i>Scientific Reports</i> , 2016, 6, 29798.	1.6	21
1886	Arrhythmia detection from heart rate variability by SDFA method. <i>International Journal of Cardiology</i> , 2016, 224, 27-32.	0.8	8
1887	Multifractal detrended fluctuation analysis of ionospheric total electron content data during solar minimum and maximum. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 31-39.	0.6	26
1888	Why the long-term auto-correlation has not been eliminated by arbitragers: Evidences from NYMEX. <i>Energy Economics</i> , 2016, 59, 167-178.	5.6	7

#	ARTICLE	IF	CITATIONS
1889	On the relationship between the Hurst exponent, the ratio of the mean square successive difference to the variance, and the number of turning points. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 461, 662-673.	1.2	35
1890	Magnitude and sign of long-range correlated time series: Decomposition and surrogate signal generation. <i>Physical Review E</i> , 2016, 93, 042201.	0.8	40
1891	Multiscale multifractal detrended-fluctuation analysis of two-dimensional surfaces. <i>Physical Review E</i> , 2016, 93, 042213.	0.8	42
1892	Fast algorithm for scaling analysis with higher-order detrending moving average method. <i>Physical Review E</i> , 2016, 93, 053304.	0.8	24
1893	Detrending moving average algorithm: Frequency response and scaling performances. <i>Physical Review E</i> , 2016, 93, 063309.	0.8	33
1894	Clustering of time-evolving scaling dynamics in a complex signal. <i>Physical Review E</i> , 2016, 94, 012220.	0.8	2
1895	Multifractal detrended cross-correlations between crude oil market and Chinese ten sector stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 255-265.	1.2	45
1896	Multiscale temporal neural dynamics predict performance in a complex sensorimotor task. <i>NeuroImage</i> , 2016, 141, 291-303.	2.1	25
1897	Disorder profile of nebulin encodes a vernierlike position sensor for the sliding thin and thick filaments of the skeletal muscle sarcomere. <i>Physical Review E</i> , 2016, 93, 062406.	0.8	4
1898	Fluctuation analysis of high frequency electric power load in the Czech Republic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 951-961.	1.2	9
1899	The Long Memory of Order Flow in the Foreign Exchange Spot Market. <i>Market Microstructure and Liquidity</i> , 2016, 02, 1650001.	0.6	6
1900	Analysis of the Turbocharger Compressor Surge Margin Using a Hurst-Exponent-based Criterion. <i>SAE International Journal of Engines</i> , 0, 9, 1795-1806.	0.4	20
1901	Fluctuation Analysis of Redox Potential to Distinguish Microbial Fe(II) Oxidation. <i>Astrobiology</i> , 2016, 16, 846-852.	1.5	5
1902	Observations of high-latitude geomagnetic field fluctuations during St. Patrick's Day storm: Swarm and SuperDARN measurements. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	19
1903	The role of environmental constraints in walking: Effects of steering and sharp turns on gait dynamics. <i>Scientific Reports</i> , 2016, 6, 28374.	1.6	21
1904	Probability distribution of intersymbol distances in random symbolic sequences: Applications to improving detection of keywords in texts and of amino acid clustering in proteins. <i>Physical Review E</i> , 2016, 94, 052302.	0.8	10
1905	Phase transition in the parametric natural visibility graph. <i>Physical Review E</i> , 2016, 94, 042137.	0.8	8
1906	Symbolic complexity for nucleotide sequences: a sign of the genome structure. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 445601.	0.7	5

#	ARTICLE	IF	CITATIONS
1907	Inverse Gaussian and its inverse process as the subordinators of fractional Brownian motion. <i>Physical Review E</i> , 2016, 94, 042128.	0.8	18
1908	Testing reanalysis data sets in Antarctica: Trends, persistence properties, and trend significance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,839.	1.2	41
1909	Scaling Up Scientific Discovery in Sleep Medicine: The National Sleep Research Resource. <i>Sleep</i> , 2016, 39, 1151-1164.	0.6	252
1910	Through thick and thin: quantitative classification of photometric observing conditions on Paranal. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
1911	Robust Statistical Detection of Power-Law Cross-Correlation. <i>Scientific Reports</i> , 2016, 6, 27089.	1.6	7
1912	Method of ship-rocking forecasting based on statistical physics. , 2016, , .		0
1913	Switching Dynamics Between Two Movement Patterns Varies According to Time Interval. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630026.	0.7	3
1914	Probing the Fractal Pattern of Heartbeats in <i>Drosophila</i> Pupae by Visible Optical Recording System. <i>Scientific Reports</i> , 2016, 6, 31950.	1.6	1
1915	Discrimination of mushroom disease-related mould species based solely on unprocessed chromatograms. <i>Journal of Chemometrics</i> , 2016, 30, 197-202.	0.7	5
1916	Loss of knee extensor torque complexity during fatiguing isometric muscle contractions occurs exclusively above the critical torque. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1144-R1153.	0.9	32
1917	First-Passage Time Properties of Correlated Time Series with Scale-Invariant Behavior and with Crossovers in the Scaling. <i>Contributions To Statistics</i> , 2016, , 89-102.	0.2	2
1918	Fractal Fluctuations in Human Walking: Comparison Between Auditory and Visually Guided Stepping. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2785-2793.	1.3	48
1919	The structure function as new integral measure of spatial and temporal properties of multichannel EEG. <i>Brain Informatics</i> , 2016, 3, 211-220.	1.8	7
1920	The scaling of time series size towards detrended fluctuation analysis. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650138.	0.8	0
1921	Time Series Methods. <i>SpringerBriefs in Energy</i> , 2016, , 1-15.	0.2	0
1922	Asymmetric multiscale behavior in PM2.5 time series: Based on asymmetric MS-DFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 461, 355-365.	1.2	5
1923	Multiscale multifractal time irreversibility analysis of stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 492-507.	1.2	10
1924	Radioluminescence properties of the CdSe/ZnS Quantum Dot nanocrystals with analysis of long-memory trends. <i>Radiation Measurements</i> , 2016, 92, 19-31.	0.7	20

#	ARTICLE	IF	CITATIONS
1925	Classification of imbalance levels in a scaled wind turbine through detrended fluctuation analysis of vibration signals. <i>Renewable Energy</i> , 2016, 96, 993-1002.	4.3	18
1926	A novel method for detecting abrupt dynamic change based on the changing Hurst exponent of spatial images. <i>Climate Dynamics</i> , 2016, 47, 2561-2571.	1.7	13
1927	Taking Control: Stealth Assessment of Deterministic Behaviors Within a Game-Based System. <i>International Journal of Artificial Intelligence in Education</i> , 2016, 26, 1011-1032.	3.9	9
1928	Renal nerves dynamically regulate renal blood flow in conscious, healthy rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R156-R166.	0.9	4
1929	Analyzing Fish Condition Factor Index Through Skew-Gaussian Information Theory Quantifiers. <i>Fluctuation and Noise Letters</i> , 2016, 15, 1650013.	1.0	35
1930	Memory persistency and nonlinearity in daily mean dew point across India. <i>Theoretical and Applied Climatology</i> , 2016, 124, 119-128.	1.3	8
1931	Is efficiency of crude oil market affected by multifractality? Evidence from the WTI crude oil market. <i>Energy Economics</i> , 2016, 53, 151-158.	5.6	33
1932	Breaks or long range dependence in the energy futures volatility: Out-of-sample forecasting and VaR analysis. <i>Economic Modelling</i> , 2016, 53, 354-374.	1.8	42
1933	Evaluating the clinical value of oscillatory cardiopulmonary coupling in patients with obstructive sleep apnea hypopnea syndrome by impedance cardiogram. <i>Sleep Medicine</i> , 2016, 19, 75-84.	0.8	3
1934	Trading volume in financial markets: An introductory review. <i>Chaos, Solitons and Fractals</i> , 2016, 88, 24-37.	2.5	12
1935	Nonlinear features of Northern Annular Mode variability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 449, 390-394.	1.2	12
1936	Multifractal detrended moving average analysis of global temperature records. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 013201.	0.9	16
1937	Investigation of long-range dependencies in the stochastic part of daily GPS solutions. <i>Survey Review</i> , 2016, 48, 140-147.	0.7	4
1938	On the performance of simple trading rules derived from the fractal dynamics of gold and silver price fluctuations. <i>Finance Research Letters</i> , 2016, 16, 255-267.	3.4	24
1939	Multifractality of stock markets based on cumulative distribution function and multiscale multifractal analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 527-534.	1.2	3
1940	Fluctuation behaviors of financial return volatility duration. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 448, 30-40.	1.2	10
1941	The coupling analysis between stock market indices based on permutation measures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 222-231.	1.2	5
1942	Scaling and nonlinear behaviour of daily mean temperature time series across India. <i>Chaos, Solitons and Fractals</i> , 2016, 84, 9-14.	2.5	14

#	ARTICLE	IF	CITATIONS
1943	Model selection for identifying power-law scaling. <i>NeuroImage</i> , 2016, 136, 215-226.	2.1	30
1944	Fractal analysis of Jackson Pollock's painting evolution. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 97-104.	2.5	11
1945	A novel cyber security capability: Inferring Internet-scale infections by correlating malware and probing activities. <i>Computer Networks</i> , 2016, 94, 327-343.	3.2	26
1947	The scientific legacy of Harold Edwin Hurst (1880–1978). <i>Hydrological Sciences Journal</i> , 2016, 61, 1571-1590.	1.2	51
1948	Stylized facts of price gaps in limit order books. <i>Chaos, Solitons and Fractals</i> , 2016, 88, 48-58.	2.5	7
1949	On fractal nature of groundwater level fluctuations due to rainfall process. <i>Chaos, Solitons and Fractals</i> , 2016, 82, 103-115.	2.5	11
1950	The impact of 2008 financial crisis on the efficiency and contagion of Asian stock markets: A Hurst exponent approach. <i>Finance Research Letters</i> , 2016, 17, 167-175.	3.4	33
1951	Cross-correlations between crude oil and exchange markets for selected oil rich economies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 131-143.	1.2	48
1952	Perceptual security of encrypted images based on wavelet scaling analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 456, 22-30.	1.2	6
1953	Multiscale cross-correlation analysis based on DFA and DCCA: Evidence from stock market in Shanghai. <i>Journal of Interdisciplinary Mathematics</i> , 2016, 19, 163-175.	0.4	1
1954	Principal component analysis for non-stationary time series based on detrended cross-correlation analysis. <i>Nonlinear Dynamics</i> , 2016, 84, 1033-1044.	2.7	28
1955	Precipitation Complexity Measurement Using Multifractal Spectra Empirical Mode Decomposition Detrended Fluctuation Analysis. <i>Water Resources Management</i> , 2016, 30, 505-522.	1.9	23
1956	Patterns of temporal scaling of groundwater level fluctuation. <i>Journal of Hydrology</i> , 2016, 536, 485-495.	2.3	23
1957	Surface electromyography analysis of blepharoptosis correction by transconjunctival incisions. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 23-30.	0.7	0
1958	How long is the memory of the US stock market?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 502-506.	1.2	33
1959	Evenly spacing in Detrended Fluctuation Analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 63-69.	1.2	63
1960	General and specific statistical properties of foreign exchange markets during a financial crash. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 601-622.	1.2	2
1961	The long-run dynamic relationship between exchange rate and its attention index: Based on DCCA and TOP method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 108-115.	1.2	15

#	ARTICLE	IF	CITATIONS
1962	How long the singular value decomposed entropy predicts the stock market? " Evidence from the Dow Jones Industrial Average Index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 150-161.	1.2	18
1963	Detecting and quantifying cross-correlations by analogous multifractal height cross-correlation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 954-962.	1.2	16
1964	Dissimilarity measure based on ordinal pattern for physiological signals. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 37, 115-124.	1.7	14
1965	An analysis of the intrinsic cross-correlations between API and meteorological elements using DPCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 446, 100-109.	1.2	22
1966	Variation of the scaling characteristics of temporal and spatial distribution of earthquakes in Caucasus. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 449, 136-144.	1.2	9
1967	Long-memory property in air pollutant concentrations. <i>Atmospheric Research</i> , 2016, 171, 1-4.	1.8	27
1968	Cross-correlations between price and volume in Chinese gold markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 10-22.	1.2	53
1969	How does crisis affect efficiency? An empirical study of East Asian markets. <i>Borsa Istanbul Review</i> , 2016, 16, 1-8.	2.4	36
1970	Radial basis function neural network for prediction of cardiac arrhythmias based on heart rate time series. , 2016, , .		19
1971	Variational mode decomposition denoising combined the detrended fluctuation analysis. <i>Signal Processing</i> , 2016, 125, 349-364.	2.1	241
1972	Multifractal detrended moving average analysis of particle density functions in relativistic nuclear collisions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 450, 323-332.	1.2	6
1973	Multifractal characterization of energy stocks in China: A multifractal detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 357-365.	1.2	32
1974	Multiparametric statistical investigation of seismicity occurred at El Hierro (Canary Islands) from 2011 to 2014. <i>Tectonophysics</i> , 2016, 672-673, 121-128.	0.9	30
1975	Cross-correlations between Baltic Dry Index and crude oil prices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 278-289.	1.2	70
1976	On time-varying predictability of emerging stock market returns. <i>Emerging Markets Review</i> , 2016, 27, 1-13.	2.2	23
1977	Quantifying the contagion effect of the 2008 financial crisis between the G7 countries (by GDP) Tj ETQq1 1 0.784314 rgBT /Oyerlock 62	1.2	62
1978	Reconstructing Time-Dependent Dynamics. <i>Proceedings of the IEEE</i> , 2016, 104, 223-241.	16.4	43
1979	Bidding structure, market efficiency and persistence in a multi-time tariff setting. <i>Energy Economics</i> , 2016, 54, 77-87.	5.6	7

#	ARTICLE	IF	CITATIONS
1980	Universal and non-universal properties of recurrence intervals of rare events. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 448, 132-143.	1.2	6
1981	Spatio-temporal autocorrelation measures for nonstationary series: A new temporally detrended spatio-temporal Moran's index. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 106-116.	0.9	32
1982	Multifractal detrended fluctuation analysis based on fractal fitting: The long-range correlation detection method for highway volume data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 722-731.	1.2	16
1983	Nonlinear structure analysis of carbon and energy markets with MFDCCA based on maximum overlap wavelet transform. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 505-523.	1.2	57
1984	Reservoir characterization using multifractal detrended fluctuation analysis of geophysical well-log data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 445, 57-65.	1.2	44
1985	Aging and the complexity of center of pressure in static and dynamic postural tasks. <i>Neuroscience Letters</i> , 2016, 610, 104-109.	1.0	37
1986	Asymmetric multiscale detrended fluctuation analysis of California electricity spot price. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 252-260.	1.2	16
1987	Why does the Euro fail? The DCCA approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 543-554.	1.2	34
1988	Quantifying long-range correlations with a multiscale ordinal pattern approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 445, 283-294.	1.2	13
1989	Fractional dynamics in the Rayleigh's piston. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 31, 76-82.	1.7	11
1990	Climate scaling behaviour in the dynamics of the marine interstitial ciliate community. <i>Theoretical and Applied Climatology</i> , 2016, 125, 439-447.	1.3	13
1991	The long memory and the transaction cost in financial markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 312-320.	1.2	3
1992	Identifying drought-induced correlations in the satellite time series of hot pixels recorded in the Brazilian Amazon by means of the detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 660-666.	1.2	6
1993	Estimating the self-similar exponent of broad-sense self-similar processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 654-659.	1.2	1
1994	Efficiency and cross-correlation in equity market during global financial crisis: Evidence from China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 163-176.	1.2	26
1995	Time varying market efficiency of the GCC stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 487-504.	1.2	49
1996	Optimal portfolio strategy with cross-correlation matrix composed by DCCA coefficients: Evidence from the Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 667-679.	1.2	18
1997	Long-range correlation analysis of economic news flow intensity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 205-212.	1.2	7

#	ARTICLE	IF	CITATIONS
1998	Permutation and weighted-permutation entropy analysis for the complexity of nonlinear time series. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 60-68.	1.7	48
1999	Investigating stock market efficiency: A look at OIC member countries. Research in International Business and Finance, 2016, 36, 402-413.	3.1	44
2000	Fractal behavior of traffic volume on urban expressway through adaptive fractal analysis. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 518-525.	1.2	13
2001	Weighted multifractal cross-correlation analysis based on Shannon entropy. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 268-283.	1.7	47
2002	Long-term persistence enhances uncertainty about anthropogenic warming of Antarctica. Climate Dynamics, 2016, 46, 263-271.	1.7	59
2003	Impact of previous one-step variation in positively long-range correlated processes. Theoretical and Applied Climatology, 2016, 124, 339-347.	1.3	3
2004	Spatiotemporal variations of precipitation extremes of China during the past 50 years (1960-2009). Theoretical and Applied Climatology, 2016, 124, 555-564.	1.3	24
2005	Scaling behaviors of precipitation over China. Theoretical and Applied Climatology, 2017, 128, 63-70.	1.3	24
2006	On the wrong inference of long-range correlations in climate data; the case of the solar and volcanic forcing over the Tropical Pacific. Theoretical and Applied Climatology, 2017, 128, 761-767.	1.3	2
2007	Study on nature of crossover phenomena with application to gearbox fault diagnosis. Mechanical Systems and Signal Processing, 2017, 83, 272-295.	4.4	26
2008	Analysis of multifractality of multivariable coupling relationship of complex electromechanical system in process industry. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 1087-1100.	1.4	11
2009	The multifractal character of capacity utilization over the business cycle: An application of Hurst signature analysis. Quarterly Review of Economics and Finance, 2017, 63, 147-152.	1.5	7
2010	Detrended fluctuation analysis of multivariate time series. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 12-21.	1.7	44
2011	Volatility-constrained multifractal detrended cross-correlation analysis: Cross-correlation among Mainland China, US, and Hong Kong stock markets. Physica A: Statistical Mechanics and Its Applications, 2017, 472, 67-76.	1.2	23
2012	Power law cross-correlations between price change and volume change of Indian stocks. Physica A: Statistical Mechanics and Its Applications, 2017, 473, 620-631.	1.2	21
2013	Generalized sample entropy analysis for traffic signals based on similarity measure. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 1-7.	1.2	11
2014	Mitigation of Ionospheric Scintillation Effects on GNSS Signals Using Variational Mode Decomposition. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 389-393.	1.4	28
2015	Investigation of multifractal nature of floating potential fluctuations obtained from a dc glow discharge magnetized plasma. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 363-371.	1.2	6

#	ARTICLE	IF	CITATIONS
2016	Complexity and multifractal behaviors of multiscale-continuum percolation financial system for Chinese stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 364-376.	1.2	15
2017	Stock market contagion during the global financial crisis: A multiscale approach. <i>Finance Research Letters</i> , 2017, 22, 163-168.	3.4	83
2018	Classifying the variability in impact and active peak vertical ground reaction forces during running using DFA and ARFIMA models. <i>Human Movement Science</i> , 2017, 51, 153-160.	0.6	12
2019	Asymmetric correlations in the ozone concentration dynamics of the Mexico City Metropolitan Area. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 377-386.	1.2	4
2020	Multifractal methodology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 473, 467-487.	1.2	124
2021	The behaviour of share returns of football clubs: An econophysics approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 472, 136-144.	1.2	13
2022	On fractality and chaos in Moroccan family business stock returns and volatility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 473, 29-39.	1.2	33
2023	Strong short-term non-linearity of solar irradiance fluctuations. <i>Solar Energy</i> , 2017, 144, 1-9.	2.9	25
2024	New approach of financial volatility duration dynamics by stochastic finite-range interacting voter system. <i>Chaos</i> , 2017, 27, 013117.	1.0	7
2025	Systematic inference of the long-range dependence and heavy-tail distribution parameters of ARFIMA models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 473, 60-71.	1.2	11
2026	Econophysics: Past and present. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 473, 251-261.	1.2	46
2027	The contribution of scattering to near-surface attenuation. <i>Journal of Seismology</i> , 2017, 21, 837-855.	0.6	17
2028	Trend and long-range correlation characteristics analysis of runoff in upper Fenhe River basin. <i>Water Resources</i> , 2017, 44, 31-42.	0.3	12
2029	Traffic control oriented impact on the persistence of urban air pollutants: A causeway bay revelation during emergency period. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 51, 304-313.	3.2	11
2030	Multifractal Analysis of Stack Voltage Based on Wavelet Leaders: A New Tool for PEMFC Diagnosis. <i>Fuel Cells</i> , 2017, 17, 217-224.	1.5	7
2031	Superstatistical model of bacterial DNA architecture. <i>Scientific Reports</i> , 2017, 7, 43034.	1.6	24
2032	REM sleep estimation based on autonomic dynamics using α intervals. <i>Physiological Measurement</i> , 2017, 38, 631-651.	1.2	28
2033	Dynamic relationship between Japanese Yen exchange rates and market anxiety: A new perspective based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 474, 144-161.	1.2	25

#	ARTICLE	IF	CITATIONS
2034	Speeding up estimation of the Hurst exponent by a two-stage procedure from a large to small range. Engineering Computations, 2017, 34, 3-17.	0.7	1
2035	A COMPARISON OF THREE HURST EXPONENT APPROACHES TO PREDICT NASCENT BUBBLES IN S&P500 STOCKS. Fractals, 2017, 25, 1750006.	1.8	19
2036	MULTIFRACTALS IN WESTERN MAJOR STOCK MARKETS HISTORICAL VOLATILITIES IN TIMES OF FINANCIAL CRISIS. Fractals, 2017, 25, 1750010.	1.8	17
2037	Oscillatory tendency of interevent direction in earthquake sequences. Physica A: Statistical Mechanics and Its Applications, 2017, 478, 120-130.	1.2	1
2038	Time-dependent limited penetrable visibility graph analysis of nonstationary time series. Physica A: Statistical Mechanics and Its Applications, 2017, 476, 43-48.	1.2	25
2039	Comparative analysis on turbulent regime: A self-affinity study in fluid flow by using OpenFoam CFD. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 260-266.	1.2	4
2040	Fractal Analysis of Deep Ocean Current Speed Time Series. Journal of Atmospheric and Oceanic Technology, 2017, 34, 817-827.	0.5	7
2041	The fractal organization of ultradian rhythms in avian behavior. Scientific Reports, 2017, 7, 684.	1.6	22
2042	The impact of global unknown teleconnection patterns on terrestrial precipitation across North and Central America. Atmospheric Research, 2017, 193, 107-124.	1.8	7
2043	Long-range correlation and market segmentation in bond market. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 477-485.	1.2	5
2044	The cross-correlation analysis of multi property of stock markets based on MM-DFA. Physica A: Statistical Mechanics and Its Applications, 2017, 481, 23-33.	1.2	11
2045	Effect of angle of deposition on the Fractal properties of ZnO thin film surface. Applied Surface Science, 2017, 416, 51-58.	3.1	32
2046	Estimation of time-dependent Hurst exponents with variational smoothing and application to forecasting foreign exchange rates. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 462-479.	1.2	43
2047	Some stylized facts of the Bitcoin market. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 82-90.	1.2	345
2048	FINANCIAL MARKETS DURING HIGHLY ANXIOUS TIME: MULTIFRACTAL FLUCTUATIONS IN ASSET RETURNS. Fractals, 2017, 25, 1750032.	1.8	14
2049	A multifractal detrended fluctuation analysis of financial market efficiency: Comparison using Dow Jones sector ETF indices. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 182-192.	1.2	60
2050	Generalized Cauchy model of sea level fluctuations with long-range dependence. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 309-335.	1.2	24
2051	Scaling characteristics of mountainous river flow fluctuations determined using a shallow-water acoustic tomography system. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 11-20.	1.2	19

#	ARTICLE	IF	CITATIONS
2052	The effects of common risk factors on stock returns: A detrended cross-correlation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 483, 362-374.	1.2	2
2053	Multifractality of Canadian precipitation and streamflow. <i>International Journal of Climatology</i> , 2017, 37, 1221-1236.	1.5	37
2054	Temporal-spatial cross-correlation analysis of non-stationary near-surface wind speed time series. <i>Journal of Central South University</i> , 2017, 24, 692-698.	1.2	10
2055	Automatic syllable segmentation algorithm of Chinese speech based on MF-DFA. <i>Speech Communication</i> , 2017, 92, 42-51.	1.6	10
2056	Transition of Temporal Scaling Behavior in Percolation Assisted Shear-branching Structure during Plastic Deformation. <i>Scientific Reports</i> , 2017, 7, 45083.	1.6	7
2057	Empirical scaling law connecting persistence and severity of global terrorism. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 74-86.	1.2	11
2058	Visibility graph analysis of heart rate time series and bio-marker of congestive heart failure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 786-795.	1.2	18
2059	Assessment of 48 Stock markets using adaptive multifractal approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 730-750.	1.2	28
2060	Multidimensional surrogate stability to detect data stream concept drift. <i>Expert Systems With Applications</i> , 2017, 87, 15-29.	4.4	19
2061	Conserved linear dynamics of single-molecule Brownian motion. <i>Nature Communications</i> , 2017, 8, 15675.	5.8	15
2062	Multifractal analysis of Moroccan family business stock returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 183-191.	1.2	36
2063	Do men and women have different ECG responses to sad pictures?. <i>Biomedical Signal Processing and Control</i> , 2017, 38, 67-73.	3.5	21
2064	Statistical modeling of the Internet traffic dynamics: To which extent do we need long-term correlations?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 485, 48-60.	1.2	27
2065	Temporal scaling phenomena in groundwater-floodplain systems using robust detrended fluctuation analysis. <i>Journal of Hydrology</i> , 2017, 549, 715-730.	2.3	24
2066	Support to the identification of anomalies in an external neutron source using Hurst Exponents. <i>Progress in Nuclear Energy</i> , 2017, 99, 119-126.	1.3	7
2067	Time-varying return-volatility relation in international stock markets. <i>International Review of Economics and Finance</i> , 2017, 51, 157-173.	2.2	32
2068	Cross-correlations between RMB exchange rate and international commodity markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 168-182.	1.2	26
2069	Information flow in a network of dispersed signalers-receivers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 610-617.	1.2	0

#	ARTICLE	IF	CITATIONS
2070	On the temporal evolution of the tropical stratospheric ozone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 157-158, 1-5.	0.6	2
2071	Multiscale structure of time series revealed by the monotony spectrum. <i>Physical Review E</i> , 2017, 95, 033310.	0.8	1
2072	SEVERAL FUNDAMENTAL PROPERTIES OF DCCA CROSS-CORRELATION COEFFICIENT. <i>Fractals</i> , 2017, 25, 1750017.	1.8	44
2073	DCCA cross-correlation in blue-chips companies: A view of the 2008 financial crisis in the Eurozone. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 479, 38-47.	1.2	41
2074	Temporal scale influence on multifractal properties of agro-meteorological time series. <i>Agricultural and Forest Meteorology</i> , 2017, 239, 223-235.	1.9	39
2075	Asymmetric acceleration/deceleration dynamics in heart rate variability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 479, 213-224.	1.2	7
2076	MULTIFRACTAL IN VOLATILITY OF FAMILY BUSINESS STOCKS LISTED ON CASABLANCA STOCK EXCHANGE. <i>Fractals</i> , 2017, 25, 1750014.	1.8	21
2077	Fractal approach towards power-law coherency to measure cross-correlations between time series. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 50, 193-200.	1.7	21
2078	Multifractal scaling properties of daily air temperature time series. <i>Chaos, Solitons and Fractals</i> , 2017, 98, 38-43.	2.5	41
2079	A non-equilibrium formulation of food security resilience. <i>Royal Society Open Science</i> , 2017, 4, 160874.	1.1	3
2080	An analysis for features of geospatially rescaled range analysis method and spatial scaling behavior. <i>Nonlinear Dynamics</i> , 2017, 89, 243-254.	2.7	2
2081	Variational mode decomposition denoising combined with the Hausdorff distance. <i>Review of Scientific Instruments</i> , 2017, 88, 035109.	0.6	26
2082	Detecting abrupt dynamic change based on changes in the fractal properties of spatial images. <i>Theoretical and Applied Climatology</i> , 2017, 130, 435-442.	1.3	3
2083	Global financial crisis and weak-form efficiency of Islamic sectoral stock markets: An MF-DFA analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 135-146.	1.2	67
2084	Long-range properties and data validity for hydrogeological time series: The case of the Paglia river. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 39-50.	1.2	17
2085	Asymmetric joint multifractal analysis in Chinese stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 10-19.	1.2	5
2086	Analysis of the variability in the sdB star KIC 10670103: DFA approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2638-2642.	1.6	15
2087	Examining the efficiency and interdependence of US credit and stock markets through MF-DFA and MF-DXA approaches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 351-363.	1.2	42

#	ARTICLE	IF	CITATIONS
2088	Detrended analysis of shower track distribution in nucleus-nucleus interactions at CERN SPS energy. Chaos, Solitons and Fractals, 2017, 94, 86-94.	2.5	8
2089	Correlations in magnitude series to assess nonlinearities: Application to multifractal models and heartbeat fluctuations. Physical Review E, 2017, 96, 032218.	0.8	26
2090	Extremes of fractional noises: A model for the timings of arrhythmic heart beats in post-infarction patients. Chaos, 2017, 27, 093942.	1.0	2
2091	Statistical Properties of Photospheric Magnetic Elements Observed by the Helioseismic and Magnetic Imager onboard the Solar Dynamics Observatory. Solar Physics, 2017, 292, 1.	1.0	9
2092	Threading a multifractal social psychology through within-organism coordination to within-group interactions: A tale of coordination in three acts. Chaos, Solitons and Fractals, 2017, 104, 363-370.	2.5	12
2093	Scaling invariance embedded in very short time series: A factorial moment based diffusion entropy approach. Chinese Journal of Physics, 2017, 55, 2325-2335.	2.0	8
2094	The Solar Flare Complex Network. Astrophysical Journal, 2017, 847, 115.	1.6	16
2095	Decoding the Morphological Differences between Himalayan Glacial and Fluvial Landscapes Using Multifractal Analysis. Scientific Reports, 2017, 7, 11032.	1.6	19
2096	Critical behavior in earthquake energy dissipation. European Physical Journal B, 2017, 90, 1.	0.6	3
2097	The inefficiency of Bitcoin revisited: A dynamic approach. Economics Letters, 2017, 161, 1-4.	0.9	466
2098	LINEAR AND NONLINEAR CORRELATIONS IN THE ORDER AGGRESSIVENESS OF CHINESE STOCKS. Fractals, 2017, 25, 1750041.	1.8	11
2099	Contamination Event Detection Method Based on the Longest Common Subsequence Analysis Using Multiple Water Quality Parameters. , 2017, , .		1
2100	Multifractality, Interactivity, and the Adaptive Capacity of the Human Movement System: A Perspective for Advancing the Conceptual Basis of Neurologic Physical Therapy. Journal of Neurologic Physical Therapy, 2017, 41, 245-251.	0.7	49
2101	Optimal detrended fluctuation analysis as a tool for the determination of the roughness exponent of the mounded surfaces. Physical Review E, 2017, 95, 042801.	0.8	11
2102	Characterization of the anisotropy of rough surfaces: Crossing statistics. Journal of Applied Physics, 2017, 122, .	1.1	4
2103	Long-range correlations and fractal dynamics in <i>C. elegans</i> : Changes with aging and stress. Physical Review E, 2017, 96, 022417.	0.8	13
2104	Measuring long-range correlations in news flow intensity time series. International Journal of Modern Physics C, 2017, 28, 1750103.	0.8	6
2105	Temporal changes in motor variability during prolonged lifting/lowering and the influence of work experience. Journal of Electromyography and Kinesiology, 2017, 37, 61-67.	0.7	15

#	ARTICLE	IF	CITATIONS
2106	The importance of antipersistence for traffic jams. <i>Europhysics Letters</i> , 2017, 118, 38005.	0.7	9
2107	Universal temporal characteristics and vanishing of multifractality in Barkhausen avalanches. <i>Physical Review E</i> , 2017, 96, 022159.	0.8	23
2108	Exploring the Links in Monthly to Decadal Variability of the Atmospheric Water Balance Over the Wettest Regions in ERA-20C. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,560.	1.2	6
2109	Decline of long-range temporal correlations in the human brain during sustained wakefulness. <i>Scientific Reports</i> , 2017, 7, 11825.	1.6	53
2110	Nonlinear and Fractal Analysis. <i>Use RI</i> , 2017, , 69-116.	0.3	0
2111	Detecting PM2.5's Correlations between Neighboring Cities Using a Time-Lagged Cross-Correlation Coefficient. <i>Scientific Reports</i> , 2017, 7, 10109.	1.6	19
2112	Consistency of detrended fluctuation analysis. <i>Physical Review E</i> , 2017, 96, 012141.	0.8	25
2113	Multi-scale response of runoff to climate fluctuation in the headwater region of the Kaidu River in Xinjiang of China. <i>Atmospheric Science Letters</i> , 2017, 18, 230-236.	0.8	10
2114	Sampling and Digital Filtering Effects When Recognizing Postural Control with Statistical Tools and the Decision Tree Classifier. <i>Procedia Computer Science</i> , 2017, 108, 129-138.	1.2	8
2115	Statistical analysis of the 2003-2016 seismicity of Azerbaijan and surrounding areas. <i>Journal of Seismology</i> , 2017, 21, 1467-1485.	0.6	19
2116	Introducing Hurst exponent in pair trading. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 488, 39-45.	1.2	43
2117	Self-Organized Criticality in Wildfire Time Series from China. <i>Natural Hazards Review</i> , 2017, 18, .	0.8	7
2118	Impact of series length on statistical precision and sensitivity of autocorrelation assessment in human locomotion. <i>Human Movement Science</i> , 2017, 55, 31-42.	0.6	19
2119	Temperature fluctuations in a changing climate: an ensemble-based experimental approach. <i>Scientific Reports</i> , 2017, 7, 254.	1.6	42
2120	Multistructure index characterization of heart rate and systolic blood pressure reveals precursory signs of syncope. <i>Scientific Reports</i> , 2017, 7, 419.	1.6	6
2121	Bayesian inference of physiologically meaningful parameters from body sway measurements. <i>Scientific Reports</i> , 2017, 7, 3771.	1.6	6
2122	Intermittency-induced criticality in a resistor-inductor-diode circuit. <i>Physical Review E</i> , 2017, 95, 042206.	0.8	12
2123	Theory and applications of detrending-operation-based fractal-scaling analysis. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
2124	Anomalous scaling of stochastic processes and the Moses effect. <i>Physical Review E</i> , 2017, 95, 042141.	0.8	24
2125	Complex Network for Solar Active Regions. <i>Astrophysical Journal</i> , 2017, 845, 36.	1.6	13
2126	Intermittency-Driven Complexity in Signal Processing. , 2017, , 161-195.		5
2127	Detrended fluctuation analysis on ECG device for home environment. , 2017, , .		4
2128	Exploiting Physiological Sensors and Biosignal Processing to Enhance Monitoring Care in Mental Health. <i>Scalable Computing and Communications</i> , 2017, , 515-550.	0.5	1
2129	Self-Similarity and Detrended Fluctuation Analysis of Cardiovascular Signals. , 2017, , 197-232.		8
2130	Time-Varying Cardiovascular Complexity with Focus on Entropy and Lyapunov Exponents. , 2017, , 233-256.		0
2131	Minimum spanning tree filtering of correlations for varying time scales and size of fluctuations. <i>Physical Review E</i> , 2017, 95, 052313.	0.8	28
2132	Asymmetric multifractal cross-correlations and time varying features between Latin-American stock market indices and crude oil market. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 121-128.	2.5	27
2133	Taxi, Takeoff and Landing: Behavioural Patterns of Capital Flows to Emerging Markets. <i>International Economic Journal</i> , 2017, 31, 179-205.	0.5	0
2134	Hurst Estimation of Scale Invariant Processes with Stationary Increments and Piecewise Linear Drift. <i>Fluctuation and Noise Letters</i> , 2017, 16, 1750036.	1.0	0
2135	Asymmetric multiscale multifractal analysis of wind speed signals. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750137.	0.8	6
2136	Simulation analysis of multifractal detrended methods based on the ARFIMA process. <i>Chaos, Solitons and Fractals</i> , 2017, 105, 235-243.	2.5	6
2137	Direct determination approach for the multifractal detrending moving average analysis. <i>Physical Review E</i> , 2017, 96, 052201.	0.8	24
2138	Sleep stage classification based on noise-reduced fractal property of heart rate variability. <i>Procedia Computer Science</i> , 2017, 116, 435-440.	1.2	11
2139	Assessment of predictive control performance using fractal measures. <i>Nonlinear Dynamics</i> , 2017, 89, 773-790.	2.7	19
2140	Multiscaling behavior of atomic-scale friction. <i>Physical Review E</i> , 2017, 95, 062802.	0.8	5
2141	What is new about covered interest parity condition in the European Union? Evidence from fractal cross-correlation regressions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 554-566.	1.2	17

#	ARTICLE	IF	CITATIONS
2142	Intrinsic flow structure and multifractality in two-dimensional bacterial turbulence. <i>Physical Review E</i> , 2017, 95, 052215.	0.8	7
2143	Scaling analysis of hyperchaotic time series. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750094.	0.8	3
2144	Nonlinear dynamics of equity, currency and commodity markets in the aftermath of the global financial crisis. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 342-346.	2.5	38
2145	Dynamic characteristics of a continuous optimization method based on fictitious play theory. <i>Journal of the Korean Physical Society</i> , 2017, 70, 880-890.	0.3	0
2146	Azimuthal pion fluctuation in ultra relativistic nuclear collisions and centrality dependence—a study with chaos based complex network analysis. <i>Physics of Particles and Nuclei Letters</i> , 2017, 14, 576-583.	0.1	9
2147	A new approach of chaos and complex network method to study fluctuation and phase transition in nuclear collision at high energy. <i>European Physical Journal A</i> , 2017, 53, 1.	1.0	10
2148	Multifractal temporally weighted detrended cross-correlation analysis to quantify power-law cross-correlation and its application to stock markets. <i>Chaos</i> , 2017, 27, 063111.	1.0	21
2149	Detrended cross-correlation analysis on RMB exchange rate and Hang Seng China Enterprises Index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 91-108.	1.2	7
2150	A wavelet lifting approach to long-memory estimation. <i>Statistics and Computing</i> , 2017, 27, 1453-1471.	0.8	15
2151	Geodynamics and Seismology. <i>Regional Geology Reviews</i> , 2017, , 219-258.	1.2	0
2152	Spatiotemporal assessment of CO ₂ emissions and its satellite remote sensing over Pakistan and neighboring regions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 152-153, 11-19.	0.6	12
2153	Weighted multifractal analysis of financial time series. <i>Nonlinear Dynamics</i> , 2017, 87, 2251-2266.	2.7	13
2154	Asymmetric MF-DCCA method based on risk conduction and its application in the Chinese and foreign stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 119-130.	1.2	35
2155	Geary autocorrelation and DCCA coefficient: Application to predict apoptosis protein subcellular localization via PSSM. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 296-306.	1.2	14
2156	Multi-fractality in aeroelastic response as a precursor to flutter. <i>Journal of Sound and Vibration</i> , 2017, 386, 390-406.	2.1	41
2157	A Hybrid Statistical Downscaling Method Based on the Classification of Rainfall Patterns. <i>Water Resources Management</i> , 2017, 31, 377-401.	1.9	14
2158	How Can the Fractal Geometry Help with Analyze of the Stock Exchange Market?. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 45-53.	0.5	1
2159	Multiscale multifractal multiproperty analysis of financial time series based on Rényi entropy. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750028.	0.8	13

#	ARTICLE	IF	CITATIONS
2160	A comparison of principal components using TPCA and nonstationary principal component analysis on daily air-pollutant concentration series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 453-464.	1.2	5
2161	Analyzing the Cross-Correlation Between Onshore and Offshore RMB Exchange Rates Based on Multifractal Detrended Cross-Correlation Analysis (MF-DCCA). <i>Fluctuation and Noise Letters</i> , 2017, 16, 1750004.	1.0	24
2162	Coupling detrended fluctuation analysis for multiple warehouse-out behavioral sequences. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 465, 75-90.	1.2	10
2163	Oil price and exchange rate co-movements in Asian countries: Detrended cross-correlation approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 465, 338-346.	1.2	81
2164	Computational Experiments Successfully Predict the Emergence of Autocorrelations in Ultra-High-Frequency Stock Returns. <i>Computational Economics</i> , 2017, 50, 579-594.	1.5	23
2165	Long-term potential nonlinear predictability of El Niño-La Niña events. <i>Climate Dynamics</i> , 2017, 49, 131-141.	1.7	8
2166	Network dynamics: quantitative analysis of complex behavior in metabolism, organelles, and cells, from experiments to models and back. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2017, 9, e1352.	6.6	38
2167	Fractal analysis of the ground-recorded ULF magnetic fields prior to the 11 March 2011 Tohoku earthquake (M _W =9): discriminating possible earthquake precursors from space-sourced disturbances. <i>Natural Hazards</i> , 2017, 85, 59-86.	1.6	23
2168	Single channel EEG analysis for detection of depression. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 391-397.	3.5	67
2169	Cross-correlations between the US monetary policy, US dollar index and crude oil market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 326-344.	1.2	37
2170	Revisiting the multifractality in stock returns and its modeling implications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 11-20.	1.2	16
2171	Biologically-variable rhythmic auditory cues are superior to isochronous cues in fostering natural gait variability in Parkinson's disease. <i>Gait and Posture</i> , 2017, 51, 64-69.	0.6	55
2172	Understanding the multifractality in portfolio excess returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 466, 346-355.	1.2	13
2173	A Smoothing Technique for the Multifractal Analysis of a Medium Voltage Feeders Electric Current. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750211.	0.7	3
2174	Crucial events, randomness, and multifractality in heartbeats. <i>Physical Review E</i> , 2017, 96, 062216.	0.8	24
2175	Theoretical and clinical assessment of the sensitivity of heart rate variability indices. <i>Biophysics (Russian Federation)</i> , 2017, 62, 621-628.	0.2	1
2176	Multifractals of investor behavior in stock market. <i>Journal of the Korean Physical Society</i> , 2017, 71, 19-27.	0.3	5
2177	Detrended fluctuation analysis of daily rainfall records of the entire China. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
2178	Multiple scaling behaviour and nonlinear traits in music scores. Royal Society Open Science, 2017, 4, 171282.	1.1	10
2179	Pressure ulcer risk detection from complexity of activity. , 2017, 2017, 2304-2307.		4
2180	Estimation of long range correlations and FARIMA modelling of wind speed in Maharashtra. , 2017, , .		2
2181	Android malware family classification based on resource consumption over time. , 2017, , .		25
2182	Sleep stage assessment based on autocorrelation and spectral analysis of heart rate variability. , 2017, , .		3
2183	A range of fields over the spectrum in a cell colony may control the timing of its cell cycle. , 2017, , .		3
2184	Emotion specification from musical stimuli: An EEG study with AFA and DFA. , 2017, , .		8
2185	Fluctuations in email size. European Physical Journal Plus, 2017, 132, 1.	1.2	0
2186	Long-range auto-correlations in limit order book markets: Inter-and cross-event analysis. , 2017, , .		0
2187	Analysis and modelling of a 9.3â€škyr palaeoflood record: correlations, clustering, and cycles. Hydrology and Earth System Sciences, 2017, 21, 5547-5581.	1.9	4
2188	Simulating the extrinsic regulation of the sinoatrial node cells using a unified computational model. Biomedical Physics and Engineering Express, 2017, 3, 035009.	0.6	2
2189	A MOUNTAINOUS RIVER FLOW FLUCTUATION ANALYSIS USING SHALLOW-WATER ACOUSTIC TOMOGRAPHY SYSTEM. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2017, 73, I_19-I_24.	0.0	0
2190	Decomposing Multifractal Crossovers. Frontiers in Physiology, 2017, 8, 533.	1.3	51
2191	Changes in Dimensionality and Fractal Scaling Suggest Soft-Assembled Dynamics in Human EEG. Frontiers in Physiology, 2017, 8, 633.	1.3	10
2192	Hidden Signalsâ€šThe History and Methods of Heart Rate Variability. Frontiers in Public Health, 2017, 5, 265.	1.3	79
2193	Fractal scaling analysis of groundwater dynamics in confined aquifers. Earth System Dynamics, 2017, 8, 931-949.	2.7	13
2194	A Comparison of On-Engine Surge Detection Algorithms using Knock Accelerometers. , 2017, , .		0
2195	Multiscale Information Theory and the Marginal Utility of Information. Entropy, 2017, 19, 273.	1.1	28

#	ARTICLE	IF	CITATIONS
2196	Aberrant Long-Range Temporal Correlations in Depression Are Attenuated after Psychological Treatment. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 340.	1.0	14
2197	On the Difference of Scaling Properties for Temperature and Precipitation over China. <i>Advances in Meteorology</i> , 2017, 2017, 1-10.	0.6	9
2198	An Application of the Coherent Noise Model for the Prediction of Aftershock Magnitude Time Series. <i>Complexity</i> , 2017, 2017, 1-27.	0.9	12
2199	Comparison of the Long-Range Climate Memory in Outgoing Longwave Radiation over the Tibetan Plateau and the Indian Monsoon Region. <i>Advances in Meteorology</i> , 2017, 2017, 1-7.	0.6	7
2200	Reconstructing multi-mode networks from multivariate time series. <i>Europhysics Letters</i> , 2017, 119, 50008.	0.7	12
2201	Power considerations for the application of detrended fluctuation analysis in gait variability studies. <i>PLoS ONE</i> , 2017, 12, e0174144.	1.1	30
2202	Long-range temporal correlations in neural narrowband time-series arise due to critical dynamics. <i>PLoS ONE</i> , 2017, 12, e0175628.	1.1	5
2203	Auto-correlation in the motor/imaginary human EEG signals: A vision about the FDFA fluctuations. <i>PLoS ONE</i> , 2017, 12, e0183121.	1.1	17
2204	Fast algorithm of long-range cross-correlation analysis using Savitzky-Golay detrending filter and its application to biosignal analysis. , 2017, , .		5
2205	Influence of granulometry in the Hurst exponent of air liquid interfaces formed during capillary rising in a granular media. <i>EPJ Web of Conferences</i> , 2017, 140, 09032.	0.1	0
2206	Spurious Results of Fluctuation Analysis Techniques in Magnitude and Sign Correlations. <i>Entropy</i> , 2017, 19, 261.	1.1	14
2207	Optimal Pressure Based Detection of Compressor Instabilities Using the Hurst Exponent. <i>SAE International Journal of Engines</i> , 2017, 10, 1917-1926.	0.4	3
2208	Diagnosis of Power Quality Events Based on Detrended Fluctuation Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 7322-7331.	5.2	42
2209	Multifractal detrended cross-correlations between Chinese stock market and three stock markets in The Belt and Road Initiative. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 105-115.	1.2	15
2210	Statistical analysis of symbolic dynamics in weakly coupled chaotic oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 62, 134-145.	1.7	12
2211	What detrended fluctuation analysis can tell us about NBA results. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 500, 92-96.	1.2	6
2212	Mean wind speed persistence over China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 502, 211-217.	1.2	6
2213	Multiscale transfer entropy: Measuring information transfer on multiple time scales. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 62, 202-212.	1.7	39

#	ARTICLE	IF	CITATIONS
2214	Caffeine Ingestion Attenuates Fatigue-induced Loss of Muscle Torque Complexity. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 236-245.	0.2	31
2215	Insights from multifractality analysis of tanker freight market volatility with common external factor of crude oil price. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 374-384.	1.2	11
2216	Scale Invariance. <i>Lecture Notes in Physics</i> , 2018, , 103-175.	0.3	0
2217	Effect of Outliers and Non-consecutive Data Points on the Detrended Cross-Correlation Analysis. <i>Journal of the Korean Physical Society</i> , 2018, 72, 545-550.	0.3	2
2218	Does Bitcoin exhibit the same asymmetric multifractal cross-correlations with crude oil, gold and DJIA as the Euro, Great British Pound and Yen?. <i>Chaos, Solitons and Fractals</i> , 2018, 109, 195-205.	2.5	125
2219	AR $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml4" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle mml:mrow \rangle \langle mml:mo \rangle \langle mml:mi \rangle p \langle mml:mi \rangle \langle mml:mo \rangle \langle mml:mo \rangle \langle mml:mrow \rangle \langle mml:math \rangle$ -based detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 502, 49-57.	1.2	3
2220	Universal characteristics of evolution and development are inherent in fetal autonomic brain maturation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2018, 212, 32-41.	1.4	10
2221	Time series analysis of the Antarctic Circumpolar Wave via symbolic transfer entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 499, 233-240.	1.2	8
2222	Cross-correlations between individual investor sentiment and Chinese stock market return: New perspective based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 243-256.	1.2	26
2223	Scaling properties of rainfall records in some Mexican zones. <i>Acta Geophysica</i> , 2018, 66, 361-367.	1.0	2
2224	Statistical properties and multifractality of Bitcoin. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 507-519.	1.2	95
2225	DETRENDED CROSS-CORRELATION ANALYSIS BETWEEN MULTIVARIATE TIME SERIES. <i>Fractals</i> , 2018, 26, 1850058.	1.8	8
2226	Multifractal characteristics of external anal sphincter based on sEMG signals. <i>Medical Engineering and Physics</i> , 2018, 55, 9-15.	0.8	10
2227	NO $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml9" display="inline" overflow="scroll" altimg="si9.gif" \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \langle mml:math \rangle$ and O $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml10" display="inline" overflow="scroll" altimg="si10.gif" \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \langle mml:math \rangle$	1.2	28
2228	Capital asset pricing model in Portugal: Evidence from fractal regressions. <i>Portuguese Economic Journal</i> , 2018, 17, 173-183.	0.6	13
2229	Dynamic efficiency of European credit sectors: A rolling-window multifractal detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 337-349.	1.2	15
2230	Scale-freeness or partial synchronization in neural mass phase oscillator networks: Pick one of two?. <i>NeuroImage</i> , 2018, 180, 428-441.	2.1	13
2231	Exact results of the limited penetrable horizontal visibility graph associated to random time series and its application. <i>Scientific Reports</i> , 2018, 8, 5130.	1.6	22

#	ARTICLE	IF	CITATIONS
2232	Local detrended fluctuation analysis for spectral red-edge parameters extraction. Nonlinear Dynamics, 2018, 93, 995-1008.	2.7	12
2233	Temporal correlations in the Vicsek model with vectorial noise. Physica A: Statistical Mechanics and Its Applications, 2018, 502, 590-604.	1.2	1
2234	Long-range dependencies of Eastern European stock markets: A dynamic detrended analysis. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 454-470.	1.2	27
2235	Non-linear dependencies in African stock markets: Was subprime crisis an important factor?. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 680-687.	1.2	11
2236	Time-varying self-similarity in alternative investments. Chaos, Solitons and Fractals, 2018, 111, 1-5.	2.5	11
2237	Data-Driven Modeling of Extreme Space Weather. , 2018, , 139-153.		0
2238	Time irreversibility and intrinsic revealing of series with complex network approach. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 241-249.	1.2	16
2239	Multifractal Detrend Method with Different Filtering. , 2018, , 169-221.		0
2240	The q -dependent detrended cross-correlation analysis of stock market. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023402.	0.9	28
2241	The observational and empirical thermospheric CO ₂ and NO power do not exhibit power-law behavior; an indication of their reliability. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 168, 1-7.	0.6	6
2242	Dual-induced multifractality in online viewing activity. Chaos, 2018, 28, 013114.	1.0	4
2243	Fractal Dynamics, Variability, and Coordination in Human Locomotion. Kinesiology Review, 2018, 7, 26-35.	0.4	26
2244	The Central Italy Seismic Sequence (2016): Spatial Patterns and Dynamic Fingerprints. Pure and Applied Geophysics, 2018, 175, 1-24.	0.8	19
2245	Analyzing similarities in genome sequences. European Physical Journal E, 2018, 41, 8.	0.7	1
2246	Fractional dynamic behavior in ethanol prices series. Journal of Computational and Applied Mathematics, 2018, 339, 85-93.	1.1	27
2247	Time Correlations of Lightning Flash Sequences in Thunderstorms Revealed by Fractal Analysis. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1351-1362.	1.2	1
2248	Characterizing scaling properties of complex signals with missed data segments using the multifractal analysis. Chaos, 2018, 28, 013124.	1.0	5
2249	Effect of the signal filtering on detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 446-453.	1.2	7

#	ARTICLE	IF	CITATIONS
2250	Refined composite multiscale weighted-permutation entropy of financial time series. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 189-199.	1.2	11
2251	Fractal Characteristics of Combustion Noise. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	2
2252	Epilepsy and seizure characterisation by multifractal analysis of EEG subbands. Biomedical Signal Processing and Control, 2018, 41, 264-270.	3.5	55
2253	Weighted multiscale Rényi permutation entropy of nonlinear time series. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 548-570.	1.2	22
2254	SCALING AND MULTIFRACTALITY IN ROAD ACCIDENTAL DISTANCES. Fractals, 2018, 26, 1850014.	1.8	1
2255	Quantifying the range of cross-correlated fluctuations using a q -dependent AHXA coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 454-464.	1.2	5
2256	The complexity of the HANG SENG Index and its constituencies during the 2007-2008 Great Recession. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 463-474.	1.2	2
2257	Effects of ipsilateral and contralateral fatigue and muscle blood flow occlusion on the complexity of knee extensor torque output in humans. Experimental Physiology, 2018, 103, 956-967.	0.9	22
2258	Robustness of sentence length measures in written texts. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 749-754.	1.2	5
2259	The Hurst Phenomenon in Error Estimates Related to Atmospheric Turbulence. Boundary-Layer Meteorology, 2018, 168, 387-416.	1.2	5
2260	Effect of continuous positive airway pressure on breathing variability in early preterm lung disease. Pediatric Pulmonology, 2018, 53, 755-761.	1.0	7
2261	An integrate-and-fire model to generate spike trains with long-range dependence. Journal of Computational Neuroscience, 2018, 44, 297-312.	0.6	8
2262	Multifractal detrended cross-correlation analysis on air pollutants of University of Hyderabad Campus, India. Physica A: Statistical Mechanics and Its Applications, 2018, 502, 228-235.	1.2	24
2263	Fuzzy entropy complexity and multifractal behavior of statistical physics financial dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 486-498.	1.2	12
2264	Reproducing Long-Range Correlations in Global Mean Temperatures in Simple Energy Balance Models. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4413-4422.	1.2	8
2265	Unbiased detrended fluctuation analysis: Long-range correlations in very short time series. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 179-189.	1.2	11
2266	Statistical mechanics and financial markets: Antagony between derivatives and market self-regulation. Chinese Journal of Physics, 2018, 56, 988-993.	2.0	3
2267	Statistical test for \hat{I}^2 coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 134-140.	1.2	30

#	ARTICLE	IF	CITATIONS
2268	Self-affinity and self-organized criticality applied to the relationship between the economic arrangements and the dengue fever spread in Bahia. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 502, 619-628.	1.2	8
2269	Fractality in market risk structure: Dow Jones Industrial components case. <i>Chaos, Solitons and Fractals</i> , 2018, 110, 69-75.	2.5	18
2270	Multifractal analysis of Shanghai and Hong Kong stock markets before and after the connect program. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 611-622.	1.2	19
2271	Nonclassical point of view of the Brownian motion generation via fractional deterministic model. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850020.	0.8	17
2272	A new universality class in corpus of texts; A statistical physics study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1140-1148.	0.9	2
2273	Distinct criticality of phase and amplitude dynamics in the resting brain. <i>NeuroImage</i> , 2018, 180, 442-447.	2.1	30
2274	The impact of the financial crisis on the long-range memory of European corporate bond and stock markets. <i>Empirica</i> , 2018, 45, 1-15.	1.0	7
2275	CSC-Detector: A System to Infer Large-Scale Probing Campaigns. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2018, 15, 364-377.	3.7	7
2276	Detrended cross-correlation analysis of urban traffic congestion and NO ₂ concentrations in Chengdu. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 61, 165-173.	3.2	52
2277	Nonlinear dynamical analysis of sleep electroencephalography using fractal and entropy approaches. <i>Sleep Medicine Reviews</i> , 2018, 37, 85-93.	3.8	113
2278	Are standard asset pricing factors long-range dependent?. <i>Journal of Economics and Finance</i> , 2018, 42, 66-88.	0.8	3
2279	The impact of inter-annual variability of annual cycle on long-term persistence of surface air temperature in long historical records. <i>Climate Dynamics</i> , 2018, 50, 1091-1100.	1.7	19
2280	Assessment of the quality of NCEP-2 and CFSR reanalysis daily temperature in China based on long-range correlation. <i>Climate Dynamics</i> , 2018, 50, 493-505.	1.7	31
2281	Multifractal analysis of the drought area in seven large regions of China from 1961 to 2012. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 459-471.	0.9	32
2282	Evaluation of <sc>NCEP</sc> and <sc>CFSR</sc> reanalysis seasonal temperature data in China using detrended fluctuation analysis. <i>International Journal of Climatology</i> , 2018, 38, 252-263.	1.5	19
2283	Impact of functional training on geometric indices and fractal correlation property of heart rate variability in postmenopausal women. <i>Annals of Noninvasive Electrocardiology</i> , 2018, 23, .	0.5	14
2284	Detrended fluctuation analysis and entropy-complexity causality analysis of temperatures in an urbanized mountain stream. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 843-858.	1.9	6
2285	Multifractal Detrended Fluctuation Analysis on Friction Coefficient During the Friction Process. <i>Journal of Tribology</i> , 2018, 140, .	1.0	8

#	ARTICLE	IF	CITATIONS
2286	Efficiency or speculation? A time-varying analysis of European sovereign debt. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 1295-1308.	1.2	8
2287	Multifractal Detrended Fluctuation Analysis of Eye-Tracking Data. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 476-484.	0.5	2
2288	The role of conscious control in maintaining stable posture. <i>Human Movement Science</i> , 2018, 57, 442-450.	0.6	16
2289	Mathematical model with autoregressive process for electrocardiogram signals. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 57, 415-421.	1.7	11
2290	Evenly spaced Detrended Fluctuation Analysis: Selecting the number of points for the diffusion plot. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 491, 233-248.	1.2	17
2291	A sliding windows approach to analyse the evolution of bank shares in the European Union. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 1355-1367.	1.2	27
2292	On Inferring and Characterizing Large-Scale Probing and DDoS Campaigns. , 2018, , 461-474.		1
2293	Generalized Hurst exponent estimates differentiate EEG signals of healthy and epileptic patients. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 378-385.	1.2	56
2294	Cross-correlations and influence in world gold markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 504-512.	1.2	34
2295	Multivariate multifractal detrended fluctuation analysis of 3D wind field signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 513-523.	1.2	21
2296	Correlation between the Hurst exponent and the maximal Lyapunov exponent: Examining some low-dimensional conservative maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 834-844.	1.2	14
2297	DCCA analysis of renewable and conventional energy prices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 1408-1414.	1.2	39
2298	Financial liberalization and stock market cross-correlation: MF-DCCA analysis based on Shanghai-Hong Kong Stock Connect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 491, 779-791.	1.2	46
2299	Long-term correlations and cross-correlations in IBovespa and constituent companies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1431-1438.	1.2	11
2300	Multifractal structures for the Russian stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 2123-2128.	1.2	9
2301	Scale-Free Amplitude Modulation of Neuronal Oscillations Tracks Comprehension of Accelerated Speech. <i>Journal of Neuroscience</i> , 2018, 38, 710-722.	1.7	14
2302	The parametric modified limited penetrable visibility graph for constructing complex networks from time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1097-1106.	1.2	13
2303	Informational efficiency of Bitcoin—An extension. <i>Economics Letters</i> , 2018, 163, 106-109.	0.9	300

#	ARTICLE	IF	CITATIONS
2304	 applied between air temperature and relative humidity: An hour/hour view. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 17-26.	1.2	62
2305	Interdependence between crude oil and world food prices: A detrended cross correlation analysis. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1032-1044.	1.2	62
2306	Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis. Computer Methods and Programs in Biomedicine, 2018, 155, 11-17.	2.6	160
2307	A better understanding of long-range temporal dependence of traffic flow time series. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 639-650.	1.2	29
2308	Bursty Human Dynamics. SpringerBriefs in Complexity, 2018, .	0.1	93
2309	Asymmetric multiscale multifractal detrended cross-correlation analysis for the 1999â€“2000 California electricity market. Nonlinear Dynamics, 2018, 91, 1527-1540.	2.7	4
2310	Analysis and multiclass classification of pathological knee joints using vibroarthrographic signals. Computer Methods and Programs in Biomedicine, 2018, 154, 37-44.	2.6	32
2311	Long-range correlations and asymmetry in the Bitcoin market. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 948-955.	1.2	136
2312	Transitions between superstatistical regimes: Validity, breakdown and applications. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 29-46.	1.2	15
2313	Chaos, randomness and multi-fractality in Bitcoin market. Chaos, Solitons and Fractals, 2018, 106, 28-34.	2.5	123
2314	Self-reinforcing feedback loop in financial markets with coupling of market impact and momentum traders. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 301-310.	1.2	2
2315	Fractional Gaussian noise: Prior specification and model comparison. Environmetrics, 2018, 29, e2457.	0.6	14
2316	On the association between the recent episode of the quasi-biennial oscillation and the strong El NiÃ±o event. Theoretical and Applied Climatology, 2018, 133, 569-577.	1.3	15
2317	Relationship research between meteorological disasters and stock markets based on a multifractal detrending moving average algorithm. International Journal of Modern Physics B, 2018, 32, 1750267.	1.0	9
2318	Study in Natural Time of Geoelectric Field and Seismicity Changes Preceding the Mw6.8 Earthquake on 25 October 2018 in Greece. Entropy, 2018, 20, 882.	1.1	16
2319	Reduced carbon cycle resilience across the Palaeoceneâ€“Eocene Thermal Maximum. Climate of the Past, 2018, 14, 1515-1527.	1.3	9
2320	Assessing the performance of the BARCAST climate field reconstruction technique for a climate with long-range memory. Climate of the Past, 2018, 14, 947-967.	1.3	3
2321	Characterization of Artifact Influence on the Classification of Glucose Time Series Using Sample Entropy Statistics. Entropy, 2018, 20, 871.	1.1	12

#	ARTICLE	IF	CITATIONS
2322	Nonlinear cross-correlation among worldwide indexes. Journal of Physics: Conference Series, 2018, 1113, 012017.	0.3	0
2323	Circadian Rhythms in Fractal Features of EEG Signals. Frontiers in Physiology, 2018, 9, 1567.	1.3	32
2324	Methodologies for estimating the inertia constant of a power system. , 2018, , .		1
2325	Multifractality of Pseudo-Velocities and Seismic Quiescence Associated with the Tehuantepec M8.2 EQ. Entropy, 2018, 20, 961.	1.1	2
2326	Fractionally Cointegrated Vector Autoregression Model: Evaluation of High/Low and Close/Open Spreads for Precious Metals. SAGE Open, 2018, 8, 215824401881264.	0.8	0
2327	Prediction Indicators for Acute Exacerbations of Chronic Obstructive Pulmonary Disease By Combining Non-linear analyses and Machine. , 2018, , .		3
2328	Fractal and Multifractal Properties of Electrographic Recordings of Human Brain Activity: Toward Its Use as a Signal Feature for Machine Learning in Clinical Applications. Frontiers in Physiology, 2018, 9, 1767.	1.3	38
2329	Complexity, Regularity and Non-Linear Behavior in Human Eye Movements: Analyzing the Dynamics of Gaze in Virtual Sailing Programs. Symmetry, 2018, 10, 528.	1.1	3
2330	Application of multifractal detrended fluctuation analysis in fault diagnosis for a railway track circuit. HKIE Transactions, 2018, 25, 44-55.	1.9	1
2331	Fractal-based techniques for physiological time series: An updated approach. Open Physics, 2018, 16, 741-750.	0.8	8
2332	Modeling of PMU Data Using ARFIMA Models. , 2018, , .		3
2333	Multifractal fluctuations of waiting time sequence of aftershocks. Journal of Physics: Conference Series, 2018, 1053, 012061.	0.3	1
2334	A remarkable change of the entropy of seismicity in natural time under time reversal before the super-giant M9 Tohoku earthquake on 11 March 2011. Europhysics Letters, 2018, 124, 29001.	0.7	39
2335	On the generalizability of ECG-based obstructive sleep apnea monitoring: merits and limitations of the Apnea-ECG database. , 2018, 2018, 6022-6025.		19
2336	Multifractality and cross-correlation analysis of streamflow and sediment fluctuation at the apex of the Pearl River Delta. Scientific Reports, 2018, 8, 16553.	1.6	21
2338	Persistence and Corresponding Time Scales of Soil Moisture Dynamics During Summer in the Babao River Basin, Northwest China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8936-8948.	1.2	14
2339	Stock Net Entropy: Evidence from the Chinese Growth Enterprise Market. Entropy, 2018, 20, 805.	1.1	9
2340	Flare Productivity of Major Flaring Solar Active Regions: A Time-Series Study of Photospheric Magnetic Properties. Solar Physics, 2018, 293, 1.	1.0	7

#	ARTICLE	IF	CITATIONS
2341	Complexity Matching: Restoring the Complexity of Locomotion in Older People Through Arm-in-Arm Walking. <i>Frontiers in Physiology</i> , 2018, 9, 1766.	1.3	34
2342	Long-Range Correlation Analysis of Soil Temperature and Moisture on A'rou Hillsides, Babao River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,606.	1.2	12
2343	The complexity-entropy causality plane based on multiscale power spectrum entropy of financial time series. <i>Chaos</i> , 2018, 28, 123120.	1.0	4
2344	Cascading transitions in the climate system. <i>Earth System Dynamics</i> , 2018, 9, 1243-1260.	2.7	34
2345	Gene Expression Is Not Random: Scaling, Long-Range Cross-Dependence, and Fractal Characteristics of Gene Regulatory Networks. <i>Frontiers in Physiology</i> , 2018, 9, 1446.	1.3	20
2346	The common origin of symmetry and structure in genetic sequences. <i>Scientific Reports</i> , 2018, 8, 15817.	1.6	16
2347	Anomalous diffusion and the Moses effect in an aging deterministic model. <i>New Journal of Physics</i> , 2018, 20, 113033.	1.2	14
2348	Multiscale Cross-correlation Analysis of the Near-surface Wind Signals at Different Heights. , 2018, , .		1
2349	Detrended fluctuation analysis of the oximetry signal to assist in paediatric sleep apnoeaâ€“hypopnoea syndrome diagnosis. <i>Physiological Measurement</i> , 2018, 39, 114006.	1.2	22
2350	Time-dependent complexity measurement of causality in international equity markets: A spatial approach. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 215-219.	2.5	12
2351	Trends and contagion in WTI and Brent crude oil spot and futures markets - The role of OPEC in the last decade. <i>Energy Economics</i> , 2018, 75, 636-646.	5.6	49
2352	Does investor attention to energy stocks exhibit power law?. <i>Energy Economics</i> , 2018, 75, 573-582.	5.6	1
2353	Analyzing the Hydrologic Variability of Kallada River, India Using Continuous Wavelet Transform and Fractal Theory. <i>Water Conservation Science and Engineering</i> , 2018, 3, 305-319.	0.9	7
2354	A general class of multifractional processes and stock price informativeness. <i>Chaos, Solitons and Fractals</i> , 2018, 115, 248-267.	2.5	5
2355	Effect of measuring noise on scaling characteristics in the dynamics of coupled chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2018, 116, 106-113.	2.5	7
2356	The influence of visual cues on temporal anticipation and movement synchronization with musical sequences. <i>Acta Psychologica</i> , 2018, 191, 190-200.	0.7	20
2357	Short-Term Load Forecasting Based on a Hybrid Deep Learning Model. , 2018, , .		5
2358	Simple statistics for complex Earthquake time distributions. <i>Nonlinear Processes in Geophysics</i> , 2018, 25, 497-510.	0.6	6

#	ARTICLE	IF	CITATIONS
2359	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. <i>Frontiers in Physiology</i> , 2018, 9, 1118.	1.3	15
2360	Heart rate variability, multifractal multiscale patterns and their assessment criteria. <i>Physiological Measurement</i> , 2018, 39, 114010.	1.2	9
2361	What Enables Novel Thoughts? The Temporal Structure of Associations and Its Relationship to Divergent Thinking. <i>Frontiers in Psychology</i> , 2018, 9, 1771.	1.1	3
2362	The long-range correlation and evolution law of centennial-scale temperatures in Northeast China. <i>PLoS ONE</i> , 2018, 13, e0198238.	1.1	3
2363	Classification of glucose records from patients at diabetes risk using a combined permutation entropy algorithm. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 165, 197-204.	2.6	15
2364	A Patient Suffering From Neurodegenerative Disease May Have a Strengthened Fractal Gait Rhythm. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1765-1772.	2.7	7
2365	Multifractal Analysis of Pulsar Timing Residuals: Assessment of Gravitational Wave Detection. <i>Astrophysical Journal</i> , 2018, 864, 162.	1.6	11
2366	Estimation of Sensitivity of Nonlinear Methods for Heart Rate Variability Analysis. <i>Bio-Medical Engineering</i> , 2018, 52, 111-115.	0.3	0
2367	Analysis of financial stock markets through the multiscale cross-distribution entropy based on the Tsallis entropy. <i>Nonlinear Dynamics</i> , 2018, 94, 1361-1376.	2.7	12
2368	Cross-correlation in a turbulent flow: Analysis of the velocity field using the $\langle i \rangle$ $\langle \text{sub} \rangle$ DCCA $\langle \text{sub} \rangle$ coefficient. <i>Europhysics Letters</i> , 2018, 123, 20011.	0.7	12
2369	Detrended fluctuation analysis in a simple spreadsheet as a tool for teaching fractal physiology. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2018, 42, 493-499.	0.8	12
2370	An Investigation of Stretched Exponential Function in Quantifying Long-Term Memory of Extreme Events Based on Artificial Data following Lévy Stable Distribution. <i>Complexity</i> , 2018, 2018, 1-7.	0.9	0
2371	Multifractal signatures of gravitational waves detected by LIGO. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 468-473.	0.0	3
2372	Nonlinear statistical properties of fMRI signals in human visual cortex during resting-state. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 2326-2333.	0.9	7
2373	Variability and Confidence Intervals for the Mean of Climate Data with Short- and Long-Range Dependence. <i>Journal of Climate</i> , 2018, 31, 6135-6156.	1.2	3
2374	The effectiveness of the monetary policy in China: New evidence from long-range cross-correlation analysis and the components of multifractality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 1026-1037.	1.2	14
2375	Dynamic relationship between RMB exchange rate index and stock market liquidity: A new perspective based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 508, 726-739.	1.2	16
2376	Fractal, Informational and Topological Methods for the Analysis of Discrete and Continuous Seismic Time Series. , 2018, , 95-139.		0

#	ARTICLE	IF	CITATIONS
2377	Natural Time Analysis of Seismic Time Series. , 2018, , 199-235.		3
2378	Comparative analysis of grey detrended fluctuation analysis methods based on empirical research on China's interest rate market. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 156-169.	1.2	3
2379	The cross-correlations between online sentiment proxies: Evidence from Google Trends and Twitter. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 67-75.	1.2	33
2380	Multiscale horizontal-visibility-graph correlation analysis of stock time series. Europhysics Letters, 2018, 122, 40007.	0.7	10
2381	Tipping point analysis of ocean acoustic noise. Nonlinear Processes in Geophysics, 2018, 25, 89-97.	0.6	4
2382	Quantifying Evolution of Short and Long-Range Correlations in Chinese Narrative Texts across 2000 Years. Complexity, 2018, 2018, 1-12.	0.9	3
2383	A Markov switching long memory model of crude oil price return volatility. Energy Economics, 2018, 74, 351-359.	5.6	33
2384	Detrended fluctuation analysis of EEG patterns associated with real and imaginary arm movements. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 777-782.	1.2	31
2385	A wavelet analysis of multiday extreme ozone and its precursors in Mexico city during 2015-2016. Atmospheric Environment, 2018, 188, 112-119.	1.9	11
2386	The Dynamic Cross-Correlations between Mass Media News, New Media News, and Stock Returns. Complexity, 2018, 2018, 1-11.	0.9	14
2387	Azimuthal Anisotropy in High-Energy Nuclear Collision: An Approach Based on Complex Network Analysis. Advances in High Energy Physics, 2018, 2018, 1-9.	0.5	2
2388	Evidence of centrality dependent fractal behavior in high energy heavy ion interactions: Hint of two different sources. Chaos, Solitons and Fractals, 2018, 113, 230-237.	2.5	2
2389	Deviations from universality in the fluctuation behavior of a heterogeneous complex system reveal intrinsic properties of components: The case of the international currency market. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 599-610.	1.2	4
2390	Detrended Multiple Cross-Correlation Coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 91-97.	1.2	40
2391	Coupling detrended fluctuation analysis of the relationship between O3 and its precursors - a case study in Taiwan. Atmospheric Environment, 2018, 188, 18-24.	1.9	18
2392	Some stylized facts of the cryptocurrency market. Applied Economics, 2018, 50, 5950-5965.	1.2	115
2393	A Review on the Nonlinear Dynamical System Analysis of Electrocardiogram Signal. Journal of Healthcare Engineering, 2018, 2018, 1-19.	1.1	65
2394	Frequency-Specific Fractal Analysis of Postural Control Accounts for Control Strategies. Frontiers in Physiology, 2018, 9, 293.	1.3	29

#	ARTICLE	IF	CITATIONS
2395	Sinoatrial Beat to Beat Variability Assessed by Contraction Strength in Addition to the Interbeat Interval. <i>Frontiers in Physiology</i> , 2018, 9, 546.	1.3	1
2396	EMD-Based Predictive Deep Belief Network for Time Series Prediction: An Application to Drought Forecasting. <i>Hydrology</i> , 2018, 5, 18.	1.3	47
2397	Producing long-lived $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mspace width="0.16em"} \rangle / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	1.0	21
2398	positronium via $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mspace} \rangle$ Recurrence Interval Analysis on Electricity Consumption of an Office Building in China. <i>Sustainability</i> , 2018, 10, 306.	1.6	5
2399	Non-linear Dynamical Analysis of Intraspinal Pressure Signal Predicts Outcome After Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2018, 9, 493.	1.1	17
2400	Multi-Electrode Alpha tACS During Varying Background Tasks Fails to Modulate Subsequent Alpha Power. <i>Frontiers in Neuroscience</i> , 2018, 12, 428.	1.4	24
2401	Multivariate Matching Pursuit Decomposition and Normalized Gabor Entropy for Quantification of Preictal Trends in Epilepsy. <i>Entropy</i> , 2018, 20, 419.	1.1	5
2402	The Complexity Measures Associated with the Fluctuations of the Entropy in Natural Time before the Deadly MÃ©xico M8.2 Earthquake on 7 September 2017. <i>Entropy</i> , 2018, 20, 477.	1.1	32
2403	The Recurrence Interval Difference of Power Load in Heavy/Light Industries of China. <i>Energies</i> , 2018, 11, 106.	1.6	5
2404	A New Perspective on Improving Hospital Energy Administration Based on Recurrence Interval Analysis. <i>Energies</i> , 2018, 11, 1303.	1.6	1
2405	Temperature and Conductivity as Indicators of the Morphology and Activity of a Submarine Volcano: Avyssos (Nisyros) in the South Aegean Sea, Greece. <i>Geosciences (Switzerland)</i> , 2018, 8, 193.	1.0	7
2406	SAD and stock returns revisited: Nonlinear analysis based on MF-DCCA and Granger test. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 1009-1022.	1.2	12
2407	Divide and recombine (D&R) data science projects for deep analysis of big data and high computational complexity. <i>Japanese Journal of Statistics and Data Science</i> , 2018, 1, 139-156.	0.7	4
2408	Integer-dimensional fractals of nonlinear dynamics, control mechanisms, and physical implications. <i>Scientific Reports</i> , 2018, 8, 10324.	1.6	13
2409	Dynamical Properties of Postural Control in Obese Community-Dwelling Older Adults. <i>Sensors</i> , 2018, 18, 1692.	2.1	24
2410	Sustainable Energy Consumption in Northeast Asia: A Case from China's Fuel Oil Futures Market. <i>Sustainability</i> , 2018, 10, 261.	1.6	11
2411	EVALUATION OF SIGNAL PROCESSING TECHNIQUES IN DISCRIMINATING ECG SIGNALS OF MEN AND WOMEN DURING REST CONDITION AND EMOTIONAL STATES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018, 30, 1850028.	0.3	4
2412	The inefficiency of cryptocurrency and its cross-correlation with Dow Jones Industrial Average. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 658-670.	1.2	121

#	ARTICLE	IF	CITATIONS
2413	Lagged multi-affine height correlation analysis for exploring lagged correlations in complex systems. <i>Chaos</i> , 2018, 28, 061102.	1.0	4
2414	Asymmetric detrended fluctuation analysis in neonatal stress. <i>Physiological Measurement</i> , 2018, 39, 085006.	1.2	7
2415	Assessing sustainability in North America's ecosystems using criticality and information theory. <i>PLoS ONE</i> , 2018, 13, e0200382.	1.1	16
2416	Characterize Collective Lysosome Heterogeneous Dynamics in Live Cell with a Space- and Time-Resolved Method. <i>Analytical Chemistry</i> , 2018, 90, 9138-9147.	3.2	7
2417	An environmental indicator: particulate characteristics on pedestrian pathway along integrated urban thoroughfare in Metropolis. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2527-2536.	1.9	2
2418	Clan-Model of Particle Production Process-Revisited in Chaos-based Complex Network Scenario. <i>Physics of Particles and Nuclei Letters</i> , 2018, 15, 446-455.	0.1	6
2419	Micro-scale, mid-scale, and macro-scale in global seismicity identified by empirical mode decomposition and their multifractal characteristics. <i>Scientific Reports</i> , 2018, 8, 9206.	1.6	33
2420	Fractal regulation and incident Alzheimer's disease in elderly individuals. <i>Alzheimer's and Dementia</i> , 2018, 14, 1114-1125.	0.4	36
2421	The global signature of the El Niño/La Niña Southern Oscillation. <i>International Journal of Remote Sensing</i> , 2018, 39, 5965-5977.	1.3	8
2422	A DFA-based bivariate regression model for estimating the dependence of PM2.5 among neighbouring cities. <i>Scientific Reports</i> , 2018, 8, 7475.	1.6	15
2423	Asymmetric market efficiency using the index-based asymmetric-MFDFA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 1278-1294.	1.2	22
2424	Multifractal analysis of the Chinese stock, bond and fund markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 280-292.	1.2	36
2425	Multifractal analysis of Bitcoin market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 954-967.	1.2	47
2426	Quantitative analysis in nonlinear complexity detection of meditative heartbeats. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 1060-1068.	1.2	10
2427	Multiscale fluctuations and complexity synchronization of Bitcoin in China and US markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 109-120.	1.2	18
2428	Are renewable energy stocks a possibility to diversify portfolios considering an environmentally friendly approach? The view of DCCA correlation coefficient. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 675-681.	1.2	13
2429	Estimation of multifractality based on natural time analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 153-164.	1.2	13
2430	Variance-mediated multifractal analysis of group participation in chasing a single dangerous prey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 1275-1287.	1.2	1

#	ARTICLE	IF	CITATIONS
2431	Differences in nonlinear heart dynamics during rest and exercise and for different training. Physiological Measurement, 2018, 39, 084008.	1.2	6
2432	Detrended fluctuation analysis of leakage current characteristics of polyurethane insulators. , 2018, , .		0
2433	Jeffrey's divergence between ARFIMA processes. , 2018, 82, 175-186.		6
2434	Fractal analysis of X-ray diffraction patterns of zirconia-alumina mixed oxides. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 635-643.	1.2	4
2435	Trump's Effect on stock markets: A multiscale approach. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 241-247.	1.2	6
2436	Has the efficiency of foreign exchange markets in India evolved over time?. International Journal of Emerging Markets, 2018, 13, 676-688.	1.3	4
2437	Temporal correlation functions of dynamic systems in non-stationary states. New Journal of Physics, 2018, 20, 073005.	1.2	9
2438	Fractality and singularity in CME linear speed signal: Cycle 23. Chaos, Solitons and Fractals, 2018, 114, 542-550.	2.5	8
2439	Multifractal Detrended Cross-Correlation Analysis of the Return-Volume Relationship of Bitcoin Market. Complexity, 2018, 2018, 1-20.	0.9	872
2440	Cross-correlation analysis on Brazilian gasoline retail market. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 550-557.	1.2	14
2441	Long-term memory of rating behaviors for the online trust formation. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 254-264.	1.2	4
2442	Wave scattering from two-dimensional self-affine Dirichlet and Neumann surfaces and its application to the retrieval of self-affine parameters. Physical Review A, 2018, 97, .	1.0	3
2443	Studying the dynamics of interbeat interval time series of healthy and congestive heart failure subjects using scale based symbolic entropy analysis. PLoS ONE, 2018, 13, e0196823.	1.1	21
2444	Multifractal detrended cross-correlation analysis of carbon emission allowance and stock returns. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 551-566.	1.2	18
2445	Catecholamines alter the intrinsic variability of cortical population activity and perception. PLoS Biology, 2018, 16, e2003453.	2.6	64
2446	Detection of the persistency of the blockages symmetry influence on the multi-scale cross-correlations of the velocity fields in internal turbulent flows in pipelines. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 294-301.	1.2	8
2447	Effects of missing data on characterization of complex dynamics from time series. Communications in Nonlinear Science and Numerical Simulation, 2019, 66, 31-40.	1.7	13
2448	Further evidence on the validity of purchasing power parity in selected African countries. Journal of Economics and Finance, 2019, 43, 330-343.	0.8	3

#	ARTICLE	IF	CITATIONS
2449	Analysis of temporal and spatial variations in hydrometeorological elements in the Yarkant River Basin, China. <i>Journal of Water and Climate Change</i> , 2019, 10, 167-180.	1.2	6
2450	Cardiac and gait rhythms in healthy younger and older adults during treadmill walking tasks. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 367-375.	1.4	6
2451	Long memory estimation for complex-valued time series. <i>Statistics and Computing</i> , 2019, 29, 517-536.	0.8	4
2452	Extended self-similarity based multi-fractal detrended fluctuation analysis: A novel multi-fractal quantifying method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 67, 568-576.	1.7	8
2453	Impact of predictive analytics based on continuous cardiorespiratory monitoring in a surgical and trauma intensive care unit. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 703-711.	0.7	38
2454	Critical slowing down as an early warning signal for financial crises?. <i>Empirical Economics</i> , 2019, 57, 1201-1228.	1.5	49
2455	High frequency trading strategies, market fragility and price spikes: an agent based model perspective. <i>Annals of Operations Research</i> , 2019, 282, 217-244.	2.6	29
2456	Cross-correlations between Brazilian biofuel and food market: Ethanol versus sugar. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 687-693.	1.2	31
2457	Nonuniversality of the horizontal visibility graph in inferring series periodicity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122234.	1.2	2
2458	Depression biomarkers using non-invasive EEG: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 105, 83-93.	2.9	196
2459	Ĥx,y between open-close stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122152.	1.2	2
2461	Unravelling the scaling characteristics of daily streamflows of Brahmani river basin, India, using arbitrary-order Hilbert spectral and detrended fluctuation analyses. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	6
2462	Economic risk contagion among major economies: New evidence from EPU spillover analysis in time and frequency domains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122431.	1.2	34
2463	The relationship between multiscale dynamics in tremulous motion of upper limb when aiming and aiming performance in different physical load conditions. <i>Journal of Sports Sciences</i> , 2019, 37, 2625-2630.	1.0	2
2464	Detecting nonlinear stochastic systems using two independent hypothesis tests. <i>Physical Review E</i> , 2019, 100, 022203.	0.8	8
2465	Long-term Correlations and Extreme Wind Speed Estimations. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 1121-1128.	1.9	2
2466	Jump events in the human heartbeat interval fluctuations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 083213.	0.9	3
2467	Chaos based novel non-invasive approach to assess intracranial pressure in the brain using ECG and arterial BP data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122036.	1.2	0

#	ARTICLE	IF	CITATIONS
2468	Multifractal Detrended Fluctuation Analysis of Temperature Reanalysis Data over Greece. <i>Atmosphere</i> , 2019, 10, 336.	1.0	23
2469	Decomposing the persistence structure of Islamic and green crypto-currencies with nonlinear stepwise filtering. <i>Chaos, Solitons and Fractals</i> , 2019, 127, 334-341.	2.5	18
2470	Analytically solvable autocorrelation function for weakly correlated interevent times. <i>Physical Review E</i> , 2019, 100, 012306.	0.8	6
2471	Photodynamic diagnostics of early gastric cancer: Complexity measures of gastric microcirculation and new model of metastatic adenocarcinoma of rat stomach. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, 1950007.	0.5	2
2472	From neuronal to psychological noise – Long-range temporal correlations in EEG intrinsic activity reduce noise in internally-guided decision making. <i>NeuroImage</i> , 2019, 201, 116015.	2.1	21
2473	Understanding long-term persistence and multifractal behaviors in river runoff: A detailed study over eastern China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122042.	1.2	5
2474	Improving portfolio performance of renewable energy stocks using robust portfolio approach: Evidence from China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122059.	1.2	17
2475	A numerical study of an acoustic-hydrodynamic system exhibiting an intermittent prelude to instability. <i>International Journal of Aeroacoustics</i> , 2019, 18, 536-553.	0.8	3
2476	Effective energy commodity risk management: Econometric modeling of price volatility. <i>Economic Analysis and Policy</i> , 2019, 63, 234-250.	3.2	13
2477	Are precipitation concentration and intensity changing in Bangladesh overtimes? Analysis of the possible causes of changes in precipitation systems. <i>Science of the Total Environment</i> , 2019, 690, 370-387.	3.9	125
2478	Spectral fluctuation analysis of ionospheric inhomogeneities over Brazilian territory Part II: E-F valley region plasma instabilities. <i>Advances in Space Research</i> , 2019, 64, 1592-1599.	1.2	3
2479	Digital currency forecasting with chaotic meta-heuristic bio-inspired signal processing techniques. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 325-336.	2.5	294
2480	A review of entropy measures for uncertainty quantification of stochastic processes. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401985735.	0.8	65
2481	Multifractality of meteorological time series for Poland on the base of MERRA-2 data. <i>Chaos, Solitons and Fractals</i> , 2019, 127, 318-333.	2.5	22
2482	Analysis of trends in air temperature at Chinese stations considering the long-range correlation effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122034.	1.2	4
2483	The detrended fluctuation analysis of heartbeat intervals in time series during stress tests. <i>AIP Conference Proceedings</i> , 2019, .	0.3	1
2484	Quantifying the Multiscale Predictability of Financial Time Series by an Information-Theoretic Approach. <i>Entropy</i> , 2019, 21, 684.	1.1	15
2485	Revisiting the decay of missing ordinal patterns in long-term correlated time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122100.	1.2	4

#	ARTICLE	IF	CITATIONS
2486	Integration of air pollution data collected by mobile sensors and ground-based stations to derive a spatiotemporal air pollution profile of a city. <i>International Journal of Geographical Information Science</i> , 2019, 33, 2218-2240.	2.2	13
2487	Recognizing Arm Motions by Fluctuation Analysis of EEG Signals. <i>Technical Physics Letters</i> , 2019, 45, 129-131.	0.2	4
2488	Multifractal weighted permutation analysis based on Rényi entropy for financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 120994.	1.2	6
2489	Disposition effect and multi-asset market dynamics. <i>Review of Behavioral Finance</i> , 2019, 11, 144-164.	1.2	1
2490	Effectiveness of the RMB exchange rate regime reform: A new perspective from MF-DMA and MF-X-DMA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 531, 121535.	1.2	6
2491	Regional and global integration of Asian stock markets. <i>Research in International Business and Finance</i> , 2019, 50, 357-368.	3.1	11
2492	Multifractal analysis of financial markets: a review. <i>Reports on Progress in Physics</i> , 2019, 82, 125901.	8.1	210
2493	Characterizing stochastic time series with ordinal networks. <i>Physical Review E</i> , 2019, 100, 042304.	0.8	32
2494	Persistence in firm's asset and equity volatility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122265.	1.2	4
2495	A simple decomposition of European temperature variability capturing the variance from days to a decade. <i>Climate Dynamics</i> , 2019, 53, 6909-6917.	1.7	13
2496	Comparative Analysis between Hydrous Ethanol and Gasoline C Pricing in Brazilian Retail Market. <i>Sustainability</i> , 2019, 11, 4719.	1.6	9
2497	Impact of radiations on the long-range correlation of soil moisture: A case study of the Arou superstation in the Heihe River Basin. <i>Journal of Chinese Geography</i> , 2019, 29, 1491-1506.	1.5	7
2498	Cumulative Tsallis entropy based on power spectrum of financial time series. <i>Chaos</i> , 2019, 29, 103118.	1.0	2
2500	The Influence of Switching between Chaotic Regimes on the Correlation Characteristics of Nonlinear Systems. <i>Technical Physics Letters</i> , 2019, 45, 909-911.	0.2	3
2501	Analyzing Complexity and Fractality of Glucose Dynamics in a Pregnant Woman with Type 2 Diabetes under Treatment. <i>International Journal of Biological Sciences</i> , 2019, 15, 2373-2380.	2.6	1
2502	More random motor activity fluctuations predict incident frailty, disability, and mortality. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	33
2503	Fluctuation of stride time intervals during walking with smartphone. , 2019, , .		2
2504	Relationship between muscle metabolic rate and muscle torque complexity during fatiguing intermittent isometric contractions in humans. <i>Physiological Reports</i> , 2019, 7, e14240.	0.7	13

#	ARTICLE	IF	CITATIONS
2505	A Novel Approach to Study the Variability of NGC 5548. <i>Astrophysical Journal</i> , 2019, 879, 113.	1.6	1
2506	CRYPTOCURRENCIES IN FINANCE: REVIEW AND APPLICATIONS. <i>International Journal of Theoretical and Applied Finance</i> , 2019, 22, 1950020.	0.2	13
2507	NON-POISSON DONATION BEHAVIORS IN VIRTUAL WORLDS. <i>Fractals</i> , 2019, 27, 1950061.	1.8	7
2508	The informativeness of options-trading activities: Non-linear analysis based on MF-DCCA and Granger test. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122269.	1.2	2
2509	An empirical mode decomposition based detection theoretic strategy for T-wave alternans analysis. <i>Biomedical Signal Processing and Control</i> , 2019, 54, 101609.	3.5	2
2510	Pion Fluctuation Study in Pb–Pb Collision at 2.76 TeV per Nucleon Pair from ALICE Experiment with Chaos and Complex Network-Based Methods. <i>Physics of Particles and Nuclei Letters</i> , 2019, 16, 229-239.	0.1	4
2511	Chaotic Analysis of Radon Gas (²²² Rn) measurements in Lesvos Island: Detrended Fluctuation Analysis (DFA)., 2019,, .		0
2512	A Stochastic Phylogenetic Algorithm for Mitochondrial DNA Analysis. <i>Frontiers in Genetics</i> , 2019, 10, 66.	1.1	5
2513	Interaction between the progression of Alzheimer's disease and fractal degradation. <i>Neurobiology of Aging</i> , 2019, 83, 21-30.	1.5	22
2514	Which fear index matters for predicting US stock market volatilities: Text-counts or option based measurement?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122567.	1.2	40
2515	Fractal properties and short-term correlations in motor control in cycling: influence of a cognitive challenge. <i>Human Movement Science</i> , 2019, 67, 102518.	0.6	1
2516	Nonlinear heart rate variability biomarkers for gastric cancer severity: A pilot study. <i>Scientific Reports</i> , 2019, 9, 13833.	1.6	26
2517	Non-Linear Dynamics Analysis of Protein Sequences. Application to CYP450. <i>Entropy</i> , 2019, 21, 852.	1.1	4
2518	Information dominance among hedging assets: Evidence from return and volatility directional spillovers in time and frequency domains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122565.	1.2	22
2519	Scaling features of intermittent dynamics: Differences of characterizing correlated and anti-correlated data sets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122586.	1.2	10
2520	Multifractal and entropy analysis of resting-state electroencephalography reveals spatial organization in local dynamic functional connectivity. <i>Scientific Reports</i> , 2019, 9, 13474.	1.6	26
2521	Illusion of persistence in NBA 1995–2018 regular season data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 520, 250-256.	1.2	2
2522	Effects of scarring on quantum chaos in disordered quantum wells. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 105301.	0.7	13

#	ARTICLE	IF	CITATIONS
2523	Multifractal detrended fluctuation analysis on high-frequency SZSE in Chinese stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 521, 225-235.	1.2	20
2524	Multifractal Analysis of Electromyography Data. , 2019, , 97-116.		1
2525	Regional contrasting DTR [™] s predictability over China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 521, 282-292.	1.2	9
2526	Long memory or structural break? Empirical evidences from index volatility in stock market. <i>China Finance Review International</i> , 2019, 9, 324-337.	4.1	1
2527	Static and dynamic postural control deficits in aging fragile X mental retardation 1 (FMR1) gene premutation carriers. <i>Journal of Neurodevelopmental Disorders</i> , 2019, 11, 2.	1.5	12
2528	Inherentness of Non-stationarity in Solar Wind. <i>Astrophysical Journal</i> , 2019, 871, 68.	1.6	12
2529	Multifractal characterization and comparison of meteorological time series from two climatic zones. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1811-1824.	1.3	33
2531	Local roughness exponent in the nonlinear molecular-beam-epitaxy universality class in one dimension. <i>Physical Review E</i> , 2019, 99, 022801.	0.8	10
2532	Turbulence-induced power drops as extreme events. <i>Optics and Lasers in Engineering</i> , 2019, 116, 111-115.	2.0	5
2533	Application of Wavelet-Based Maximum Likelihood Estimator in Measuring Market Risk for Fossil Fuel Sustainability, 2019, 11, 2843.	1.6	4
2534	A Modified Multifractal Detrended Fluctuation Analysis (MFDFA) Approach for Multifractal Analysis of Precipitation in Dongting Lake Basin, China. <i>Water (Switzerland)</i> , 2019, 11, 891.	1.2	48
2535	Multiscale network for 20 stock markets using DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 529, 121542.	1.2	29
2536	Association of heart rate variability with regional difference in senility death ratio: ALLSTAR big data analysis. <i>SAGE Open Medicine</i> , 2019, 7, 205031211985225.	0.7	8
2537	Multifractal detrended partial cross-correlation analysis on Asian markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 531, 121778.	1.2	7
2538	Statistical properties of Multiscale Regression Analysis: Simulation and application to human postural control. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121580.	1.2	11
2539	Building multi-scale portfolios and efficient market frontiers using fractal regressions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121758.	1.2	11
2540	Temporal correlations in human locomotion: Recommendations for sampling rate and foot strike detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121784.	1.2	4
2541	Multiscale multifractal detrended fluctuation analysis of multivariate time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121864.	1.2	30

#	ARTICLE	IF	CITATIONS
2542	Multivariate large deviations spectrum for the multiscale analysis of stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121423.	1.2	0
2543	Application of an Improved Correlation Method in Electrostatic Gait Recognition of Hemiparetic Patients. <i>Sensors</i> , 2019, 19, 2529.	2.1	4
2544	Phenomena preceding major earthquakes interconnected through a physical model. <i>Annales Geophysicae</i> , 2019, 37, 315-324.	0.6	40
2545	Cross-correlations between the CSI300 index and commodity markets: Non-stationary principal component analysis (NSPCA). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 529, 121534.	1.2	0
2546	News and subjective beliefs: A Bayesian approach to Bitcoin investments. <i>Research in International Business and Finance</i> , 2019, 50, 336-356.	3.1	22
2547	Relationship between onshore and offshore renminbi exchange markets: Evidence from multiscale cross-correlation and nonlinear causal effect analyses. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121183.	1.2	3
2549	European union effect on financial correlation dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121457.	1.2	2
2550	Multifractal detrended cross-correlation analysis and frequency dynamics of connectedness for energy futures markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121194.	1.2	18
2551	Asymptotic Kullback-Leibler Increment to Characterize Experiment-induced Stress. , 2019, , .		0
2552	Time-Scaling Properties of Sunshine Duration Based on Detrended Fluctuation Analysis over China. <i>Atmosphere</i> , 2019, 10, 83.	1.0	2
2553	Multifractal detrended fluctuation analysis on air traffic flow time series: A single airport case. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 531, 121790.	1.2	29
2554	Visibility graph analysis of economy policy uncertainty indices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 531, 121748.	1.2	24
2555	Fractal fluctuations in exploratory movements predict differences in dynamic touch capabilities between children with Attention-Deficit Hyperactivity Disorder and typical development. <i>PLoS ONE</i> , 2019, 14, e0217200.	1.1	8
2556	Fractality of Riopelle abstract expressionism paintings (1949â€“1953): A comparison with Pollockâ€™s paintings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 121131.	1.2	3
2557	Possible origin of memory in earthquakes: Real catalogs and an epidemic-type aftershock sequence model. <i>Physical Review E</i> , 2019, 99, 042210.	0.8	9
2558	Statistical Analysis of Extreme Events in Precipitation, Stream Discharge, and Groundwater Head Fluctuation: Distribution, Memory, and Correlation. <i>Water (Switzerland)</i> , 2019, 11, 707.	1.2	10
2559	Exploring the dynamic relationship between crude oil price and implied volatility indices: A MF-DCCA approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 120973.	1.2	11
2560	Multi-scale entropy analysis and Hurst exponent. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121292.	1.2	11

#	ARTICLE	IF	CITATIONS
2561	Process-dependent persistence in precipitation records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121459.	1.2	13
2562	Multiscale analysis of financial time series by Rényi distribution entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 120916.	1.2	12
2563	Assessment of Scale Invariance Changes in Heart Rate Signal During Postural Shift. <i>IETE Journal of Research</i> , 2019, , 1-7.	1.8	3
2564	Dynamic relationship between stock market trading volumes and investor fear gauges movements. <i>Applied Economics</i> , 2019, 51, 4218-4232.	1.2	3
2565	Hybrid dynamics in a paired rhythmic synchronization “continuation task. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 524, 625-638.	1.2	5
2566	Origins of 1/f noise in human music performance from short-range autocorrelations related to rhythmic structures. <i>PLoS ONE</i> , 2019, 14, e0216088.	1.1	9
2567	Time varying correlation structure of Chinese stock market of crude oil related companies greatly influenced by external factors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 530, 121086.	1.2	5
2568	A new methodology for local cross-correlation between two nonstationary time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121307.	1.2	6
2569	Are cross-correlations between Turkish Stock Exchange and three major country indices multifractal or monofractal?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 978-990.	1.2	4
2570	Simulation of Daily Precipitation from CMIP5 in the Qinghai-Tibet Plateau. <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 68-74.	0.6	8
2571	Intraday downward/upward multifractality and long memory in Bitcoin and Ethereum markets: An asymmetric multifractal detrended fluctuation analysis. <i>Finance Research Letters</i> , 2019, 31, 19-25.	3.4	83
2572	On memory and non-memory parts of surface air temperatures over China: can they be simulated by decadal hindcast experiments in CMIP5?. <i>Climate Dynamics</i> , 2019, 52, 4515-4525.	1.7	2
2573	Testing the Efficiency of Electricity Markets Using a New Composite Measure Based on Nonlinear TS Tools. <i>Energies</i> , 2019, 12, 618.	1.6	11
2574	Which one is more informative in determining price movements of hedging assets? Evidence from Bitcoin, gold and crude oil markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121121.	1.2	62
2575	The Impact of Regime Shifts on Long-Range Persistence and the Scaling of Sea Surface Temperature Off the Coast of California. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3206-3227.	1.0	1
2576	DCCA cross-correlation coefficient with sliding windows approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121286.	1.2	30
2577	On the link between atmospheric cloud parameters and cosmic rays. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 189, 98-106.	0.6	7
2578	An econophysics approach to study the effect of BREXIT referendum on European Union stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 1175-1182.	1.2	25

#	ARTICLE	IF	CITATIONS
2579	Detect and evaluate dependencies between aero-engine gas path system variables based on multiscale horizontal visibility graph analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120830.	1.2	4
2580	Asymmetric multifractal cross-correlations between the main world currencies and the main cryptocurrencies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 1057-1071.	1.2	82
2581	Projectile mass and energy dependence of multifractal detrended cross-correlation analysis of pseudorapidity space and azimuthal space in high energy nuclear collisions. <i>International Journal of Modern Physics E</i> , 2019, 28, 1950012.	0.4	6
2582	Fractal fluctuations in muscular activity contribute to judgments of length but not heaviness via dynamic touch. <i>Experimental Brain Research</i> , 2019, 237, 1213-1226.	0.7	16
2583	Revisiting the weak-form efficiency of the EUR/CHF exchange rate market: Evidence from episodes of different Swiss franc regimes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 734-746.	1.2	26
2584	Linearity versus non-linearity in high frequency multilevel wind time series measured in urban areas. <i>Chaos, Solitons and Fractals</i> , 2019, 120, 234-244.	2.5	0
2585	EZ Entropy: a software application for the entropy analysis of physiological time-series. <i>BioMedical Engineering OnLine</i> , 2019, 18, 30.	1.3	17
2586	Long-term correlations in short, non-stationary time series: An application to international R&D collaborations. <i>Journal of Informetrics</i> , 2019, 13, 583-592.	1.4	5
2587	Theoretical foundation of detrending methods for fluctuation analysis such as detrended fluctuation analysis and detrending moving average. <i>Physical Review E</i> , 2019, 99, 033305.	0.8	37
2588	Inferring characteristic timescales from the effect of autoregressive dynamics on detrended fluctuation analysis. <i>New Journal of Physics</i> , 2019, 21, 033022.	1.2	20
2589	Multifractal characterization of meteorological drought in India using detrended fluctuation analysis. <i>International Journal of Climatology</i> , 2019, 39, 4234-4255.	1.5	37
2590	Scaling and correlation properties of RR and QT intervals at the cellular level. <i>Scientific Reports</i> , 2019, 9, 3651.	1.6	7
2591	Detrended cross-correlation patterns between North Atlantic oscillation and precipitation. <i>Theoretical and Applied Climatology</i> , 2019, 138, 387-397.	1.3	16
2592	Modeling neuronal avalanches and long-range temporal correlations at the emergence of collective oscillations: Continuously varying exponents mimic M/EEG results. <i>PLoS Computational Biology</i> , 2019, 15, e1006924.	1.5	48
2593	Analysis of the EEG bio-signals during the reading task by $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e444" altimg="si5.gif" \rangle \langle \text{mml:mi} \rangle \text{D} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{F} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 664-671.	1.2	11
2594	Distribution of Air Temperature Multifractal Characteristics Over Greece. <i>Atmosphere</i> , 2019, 10, 45.	1.0	26
2595	Seeking a Chaotic Order in the Cryptocurrency Market. <i>Mathematical and Computational Applications</i> , 2019, 24, 36.	0.7	6
2596	Asymmetric risk transmission effect of cross-listing stocks between mainland and Hong Kong stock markets based on MF-DCCA method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120741.	1.2	12

#	ARTICLE	IF	CITATIONS
2597	The Lempel-Ziv measure based pedigree map to detect and evaluate correlation between aero-engine gas path system variables. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 1080-1087.	1.2	3
2598	Kernel density approach to error estimation of MF-DFA measures on time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120863.	1.2	2
2599	Multivariate generalized information entropy of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 1212-1223.	1.2	12
2600	Analysis of multifractal characterization of Bitcoin market based on multifractal detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 973-983.	1.2	24
2601	Financial contagion analysis in frontier markets: Evidence from the US subprime and the Eurozone debt crises. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 1388-1398.	1.2	31
2602	Multiscale Multifractal Detrended Cross-Correlation Analysis of High-Frequency Financial Time Series. <i>Fluctuation and Noise Letters</i> , 2019, 18, 1950014.	1.0	6
2603	Financial markets of the LAC region: Does the crisis influence the financial integration?. <i>International Review of Financial Analysis</i> , 2019, 63, 160-173.	3.1	26
2604	Persistence of economic uncertainty: a comprehensive analysis. <i>Applied Economics</i> , 2019, 51, 4477-4498.	1.2	13
2605	Identifying the Occurrence Time of the Deadly Mexico M8.2 Earthquake on 7 September 2017. <i>Entropy</i> , 2019, 21, 301.	1.1	12
2606	Balance Training With a Vibrotactile Biofeedback System Affects the Dynamical Structure of the Center of Pressure Trajectories in Chronic Stroke Patients. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 84.	1.0	11
2607	Fractal and Long-Memory Traces in PM10 Time Series in Athens, Greece. <i>Environments - MDPI</i> , 2019, 6, 29.	1.5	19
2608	Fatigue reduces the complexity of knee extensor torque during fatiguing sustained isometric contractions. <i>European Journal of Sport Science</i> , 2019, 19, 1349-1358.	1.4	17
2609	Detrended Correlation Coefficients Between Exchange Rate (in Dollars) and Stock Markets in the World's Largest Economies. <i>Economies</i> , 2019, 7, 9.	1.2	11
2610	The effects of exchange rate regime reform on RMB markets: A new perspective based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 522, 122-134.	1.2	10
2611	Wind speed variability study based on the Hurst coefficient and fractal dimensional analysis. <i>Energy Science and Engineering</i> , 2019, 7, 361-378.	1.9	22
2612	Control quality assessment using fractal persistence measures. <i>ISA Transactions</i> , 2019, 90, 226-234.	3.1	10
2613	Critical synchronization and 1/f noise in inhibitory/excitatory rich-club neural networks. <i>Scientific Reports</i> , 2019, 9, 1258.	1.6	9
2614	Understanding Eye Movement Signal Characteristics Based on Their Dynamical and Fractal Features. <i>Sensors</i> , 2019, 19, 626.	2.1	7

#	ARTICLE	IF	CITATIONS
2615	Long-range temporal correlation in Auditory Brainstem Responses to Spoken Syllable/da/. Scientific Reports, 2019, 9, 1751.	1.6	1
2616	Sampling frequency dependent visibility graphlet approach to time series. Chaos, 2019, 29, 023109.	1.0	5
2617	A Study on Time-Scaling Property of Temperature Events. IOP Conference Series: Materials Science and Engineering, 2019, 677, 032021.	0.3	0
2618	On the multifractality of plasma turbulence in the solar wind. Proceedings of the International Astronomical Union, 2019, 15, 371-374.	0.0	0
2619	Quantifying the Predictability and Efficiency of the Cointegrated Ethanol and Agricultural Commodities Price Series. Applied Sciences (Switzerland), 2019, 9, 5303.	1.3	6
2620	A Comparative Study of Geoelectric Signals Possibly Associated with the Occurrence of Two Ms > 7 EQs in the South Pacific Coast of Mexico. Entropy, 2019, 21, 1225.	1.1	0
2621	Time Series Identification Method for Extracting Structural Features. , 2019, , .		0
2622	Fractal Time Series Analysis in Non-Stationary Environment. , 2019, , .		14
2623	Symmetry-Scaling Based Complex Network Approach to Explore Exotic Hadronic States in High-Energy Collision. Physics of Particles and Nuclei Letters, 2019, 16, 779-788.	0.1	3
2624	An Automatic Method for Identifying Huntington's Disease using Gait Dynamics. , 2019, , .		1
2625	Dynamic Cross-Correlations between Investors'™ Attention and CSI300 Index Futures. Fluctuation and Noise Letters, 2019, 18, 1950022.	1.0	10
2626	Multifractal Parameters for Spectral Profile Description. , 2019, , .		2
2627	Nonlinear Dynamics of Seismicity and Fault Zone Dynamics Around Large Dams: The Case of Enguri Dam, Caucasus. Proceedings (mdpi), 2019, 24, .	0.2	0
2628	Multifractal Analysis of African Stock Markets During the 2007-2008 US Crisis. Review of Pacific Basin Financial Markets and Policies, 2019, 22, 1950022.	0.7	2
2629	Filtering-based Analysis Comparing the DFA with the CDFA for Wide Sense Stationary Processes. , 2019, , .		3
2630	A Novel Ship-rocking Forecasting Method based on Hilbert Transform. , 2019, , .		0
2631	Self-Organized Criticality on Twitter: Phenomenological Theory and Empirical Investigation Based on Data Analysis Results. Complexity, 2019, 2019, 1-16.	0.9	8
2632	A LOOK AT SHORT- AND LONG-TERM NONLINEAR DYNAMICS IN FAMILY BUSINESS STOCK RETURNS LISTED ON CASABLANCA STOCK EXCHANGE. Fractals, 2019, 27, 1950140.	1.8	3

#	ARTICLE	IF	CITATIONS
2633	Long-Term Memory Effect in Spatial Series of Model Peptides Composed of Glycine and Alanine. Moscow University Chemistry Bulletin, 2019, 74, 216-222.	0.2	1
2634	Comparison of the Scaling Properties of EUV Intensity Fluctuations in Coronal Hole and Quiet-Sun Regions. Astrophysical Journal, 2019, 886, 143.	1.6	4
2635	2D Fourier Transform Based Analysis Comparing the DFA with the DMA. , 2019, , .		2
2636	Mitigation of Ionospheric Scintillation Effects on GNSS Signals with VMD-MFDFA. Remote Sensing, 2019, 11, 2867.	1.8	8
2637	The nucleus does not significantly affect the migratory trajectories of amoeba in two-dimensional environments. Scientific Reports, 2019, 9, 16369.	1.6	7
2638	Non-equilibrium critical dynamics of bursts in \hat{I}_i and \hat{I}_r rhythms as fundamental characteristic of sleep and wake micro-architecture. PLoS Computational Biology, 2019, 15, e1007268.	1.5	23
2639	Aggressive dominance can decrease behavioral complexity on subordinates through synchronization of locomotor activities. Communications Biology, 2019, 2, 467.	2.0	13
2640	Detrended Multiple Cross-Correlation Coefficient applied to solar radiation, air temperature and relative humidity. Scientific Reports, 2019, 9, 19764.	1.6	14
2641	Estimation of the apnea-hypopnea index in a heterogeneous sleep-disordered population using optimised cardiovascular features. Scientific Reports, 2019, 9, 17448.	1.6	12
2642	eeglib: computational analysis of cognitive performance during the use of video games. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5351-5362.	3.3	8
2643	Future Temperature Extremes Will Be More Harmful: A New Critical Factor for Improved Forecasts. International Journal of Environmental Research and Public Health, 2019, 16, 4015.	1.2	12
2644	Scaling behaviour in music and cortical dynamics interplay to mediate music listening pleasure. Scientific Reports, 2019, 9, 17700.	1.6	14
2645	Long-Range Behaviour and Correlation in DFA and DCCA Analysis of Cryptocurrencies. International Journal of Financial Studies, 2019, 7, 51.	1.1	18
2646	Scale-free amplitude modulation of low-frequency fluctuations in episodic migraine. Pain, 2019, 160, 2298-2304.	2.0	8
2647	Analytical representation of Gaussian processes in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:mtext mathvariant="script"} \rangle \hat{\alpha} \langle \text{mml:mtext} \rangle \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ plane. Physical Review E, 2019, 100, 062144.	0.8	5
2648	Evolution of High-Viscosity Gasâ€™Liquid Flows as Viewed Through a Detrended Fluctuation Characterization. Processes, 2019, 7, 822.	1.3	6
2649	Is long-term climate memory important in temperature/precipitation predictions over China?. Theoretical and Applied Climatology, 2019, 137, 459-466.	1.3	6
2650	Spatial and temporal variability in extreme temperature and precipitation events in Inner Mongolia (China) during 1960â€™2017. Science of the Total Environment, 2019, 649, 75-89.	3.9	140

#	ARTICLE	IF	CITATIONS
2651	A continuous transition from chaotic bursting to chaotic spiking in a glow discharge plasma and its associated long range correlation to anti correlation behaviour. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 126-134.	1.2	10
2652	Stylised facts for high frequency cryptocurrency data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 598-612.	1.2	50
2653	Characterization of focal EEG signals: A review. <i>Future Generation Computer Systems</i> , 2019, 91, 290-299.	4.9	188
2654	An analysis of the weak form efficiency, multifractality and long memory of global, regional and European stock markets. <i>Quarterly Review of Economics and Finance</i> , 2019, 72, 168-177.	1.5	30
2655	Robust sleep stage classification with single-channel EEG signals using multimodal decomposition and HMM-based refinement. <i>Expert Systems With Applications</i> , 2019, 121, 188-203.	4.4	118
2656	Investigating detrended fluctuation analysis with structural breaks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 518, 331-342.	1.2	2
2657	Tunable and Transferable RBF Model for Short-Term Traffic Forecasting. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 4134-4144.	4.7	16
2658	Investigation of the temporal correlations between earthquake magnitudes before the Mexico M8.2 earthquake on 7 September 2017. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 475-483.	1.2	13
2659	DETECTING THE AUTO-CORRELATION BETWEEN DAILY TEMPERATURE AND RELATIVE HUMIDITY TIME SERIES. <i>Fractals</i> , 2019, 27, 1950003.	1.8	3
2660	Multicomponent Analysis of Ionospheric Scintillation Effects Using the Synchrosqueezing Technique for Monitoring and Mitigating their Impact on GNSS Signals. <i>Journal of Navigation</i> , 2019, 72, 669-684.	1.0	6
2661	Heterogeneity of Scaling of the Observed Global Temperature Data. <i>Journal of Climate</i> , 2019, 32, 349-367.	1.2	12
2662	Multifractal detrended fluctuation analysis of continuous neural time series in primate visual cortex. <i>Journal of Neuroscience Methods</i> , 2019, 312, 84-92.	1.3	12
2663	Fractal behavior of the trajectories of the foot centers of pressure during pregnancy. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 025007.	0.6	3
2664	A new fractal-based kinetic index to characterize gait deficits with application in stroke survivor functional mobility assessment. <i>Biomedical Signal Processing and Control</i> , 2019, 52, 403-413.	3.5	5
2665	Cryptocurrency forecasting with deep learning chaotic neural networks. <i>Chaos, Solitons and Fractals</i> , 2019, 118, 35-40.	2.5	224
2666	The high frequency multifractal properties of Bitcoin. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 520, 62-71.	1.2	49
2667	Investigating large-amplitude protein loop motions as extreme events using recurrence interval analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 520, 1-10.	1.2	1
2668	Neurofeedback training protocols based on selecting distinctive features and identifying appropriate channels to enhance performance in novice visual artists. <i>Biomedical Signal Processing and Control</i> , 2019, 49, 308-321.	3.5	14

#	ARTICLE	IF	CITATIONS
2669	Long-range persistence in sea surface temperature off the coast of central California. <i>Journal of Ocean and Climate</i> , 2019, 9, 175931311879111.	0.8	2
2670	EVOLUTION OF SCALING BEHAVIORS IN CURRENCY EXCHANGE RATE SERIES. <i>Fractals</i> , 2019, 27, 1950005.	1.8	4
2671	Parametric Description of EEG Profiles for Assessment of Sleep Architecture in Disorders of Consciousness. <i>International Journal of Neural Systems</i> , 2019, 29, 1850049.	3.2	16
2672	Has global warming already arrived?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 182, 31-38.	0.6	15
2673	The Inefficiency of Litecoin: A Dynamic Analysis. <i>Journal of Quantitative Economics</i> , 2019, 17, 447-457.	0.2	6
2675	Fractal and spectral investigation of the shallow seismicity in Taiwan. <i>Journal of Asian Earth Sciences</i> , 2019, 174, 1-10.	1.0	2
2676	Prolonged depression of knee extensor torque complexity following eccentric exercise. <i>Experimental Physiology</i> , 2019, 104, 100-111.	0.9	19
2677	Multifractal approach to study of salt induced hypertension and baroreflex dysfunction in salt sensitive Dahl rats. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 526-536.	1.2	0
2678	Assessing the relationship between dependence and volume in stock markets: A dynamic analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 516, 90-97.	1.2	14
2679	On multifractals: A non-linear study of actigraphy data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 612-619.	1.2	11
2680	Differential market reactions to pre and post Brexit referendum. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 151-158.	1.2	30
2681	The stylized facts of prediction markets: Analysis of price changes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 159-170.	1.2	9
2682	Temporal Scaling Analytical Method to Identify Multi-Fractality in Groundwater Head Fluctuations. <i>Ground Water</i> , 2019, 57, 485-491.	0.7	5
2683	Long-term memory and multifractality of downwelling longwave radiation flux at the Earth's surface. <i>Climate Dynamics</i> , 2019, 52, 5723-5738.	1.7	4
2684	Scaling behaviour of Treasury rates in India. <i>Macroeconomics and Finance in Emerging Market Economies</i> , 2019, 12, 1-23.	0.5	3
2685	On climate prediction: how much can we expect from climate memory?. <i>Climate Dynamics</i> , 2019, 52, 855-864.	1.7	29
2686	Are the crude oil markets really becoming more efficient over time? Some new evidence. <i>Energy Economics</i> , 2019, 82, 253-263.	5.6	20
2687	Did long-memory of liquidity signal the European sovereign debt crisis?. <i>Annals of Operations Research</i> , 2019, 282, 355-377.	2.6	2

#	ARTICLE	IF	CITATIONS
2688	Dynamic long-range dependences in the Swiss stock market. <i>Empirical Economics</i> , 2020, 58, 1541-1573.	1.5	6
2689	Heart Rate Variability as a Biomarker of Neurocardiogenic Injury After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2020, 32, 162-171.	1.2	21
2690	Nonlinear-Drifted Fractional Brownian Motion With Multiple Hidden State Variables for Remaining Useful Life Prediction of Lithium-Ion Batteries. <i>IEEE Transactions on Reliability</i> , 2020, 69, 768-780.	3.5	55
2691	Multifractal Analysis of Realized Volatilities in Chinese Stock Market. <i>Computational Economics</i> , 2020, 56, 319-336.	1.5	1
2692	Financial stability and real estate price fluctuation in China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 122980.	1.2	20
2693	Estimation of Contamination Level of Overhead Insulators Based on Surface Leakage Current Employing Detrended Fluctuation Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5729-5736.	5.2	20
2694	R/S-bootstrapping test for fractional integration. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2020, 49, 1467-1473.	0.6	0
2695	Seismic Time-Frequency Analysis via Adaptive Mode Separation-Based Wavelet Transform. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 696-700.	1.4	25
2696	Empirical Mode Decomposition-Based Hierarchical Multiresolution Analysis for Suppressing Noise. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1833-1845.	2.4	24
2697	Nonlinear strength quantifier based on phase correlation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 123492.	1.2	0
2698	Forecasting volatility of the Chinese stock markets using TVP HAR-type models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 123445.	1.2	0
2699	Analysis of the Movement-Inducing Effects of Music through the Fractality of Head Sway during Standstill. <i>Journal of Motor Behavior</i> , 2020, 52, 734-749.	0.5	6
2700	Merging 1D and 3D genomic information: Challenges in modelling and validation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194415.	0.9	4
2701	Multifractal analysis of the impact of US-China trade friction on US and China soy futures markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 123222.	1.2	11
2702	Critical Dynamics and Coupling in Bursts of Cortical Rhythms Indicate Non-Homeostatic Mechanism for Sleep-Stage Transitions and Dual Role of VLPO Neurons in Both Sleep and Wake. <i>Journal of Neuroscience</i> , 2020, 40, 171-190.	1.7	31
2703	Revisiting stock market integration in Central and Eastern European stock markets with a dynamic analysis. <i>Post-Communist Economies</i> , 2020, 32, 643-674.	1.3	15
2704	Inference on Long-Range Temporal Correlations in Human EEG Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1070-1079.	3.9	9
2705	Targeted Perfusion Therapy in Spinal Cord Trauma. <i>Neurotherapeutics</i> , 2020, 17, 511-521.	2.1	39

#	ARTICLE	IF	CITATIONS
2706	Detrended fluctuation analysis of seismicity and order parameter fluctuations before the M7.1 Ridgecrest earthquake. <i>Natural Hazards</i> , 2020, 100, 697-711.	1.6	18
2707	Potential impacts of future reduced aerosols on internal dynamics characteristics of precipitation based on model simulations over southern China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123808.	1.2	0
2708	Medium-term cycles in the dynamics of the Dow Jones Index for the period 1985–2019. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 546, 124017.	1.2	5
2709	TTA, a new approach to estimate Hurst exponent with less estimation error and computational time. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124093.	1.2	14
2710	Effects of Nonstationarity on Muscle Force Signals Regularity During a Fatiguing Motor Task. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 228-237.	2.7	5
2711	A combined measure to differentiate EEG signals using fractal dimension and MFDFA-Hurst. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 84, 105170.	1.7	25
2712	Analysis of the regularity of the Internet Interdomain Routing dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124142.	1.2	5
2713	Characterization of personal solar ultraviolet radiation exposure using detrended fluctuation analysis. <i>Environmental Research</i> , 2020, 182, 108976.	3.7	8
2714	Detrended moving average partial cross-correlation analysis on financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 122960.	1.2	12
2715	The relationship between oil prices and the Brazilian stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123745.	1.2	13
2716	Analysis of the human gait rhythm in Neurodegenerative disease: A multifractal approach using Multifractal detrended cross correlation analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123154.	1.2	6
2717	Bodywide fluctuations support manual exploration: Fractal fluctuations in posture predict perception of heaviness and length via effortful touch by the hand. <i>Human Movement Science</i> , 2020, 69, 102543.	0.6	26
2718	Multiscale multifractal analysis on air traffic flow time series: A single airport departure flight case. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123585.	1.2	11
2719	Identification of short-term and long-term time scales in stock markets and effect of structural break. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123612.	1.2	10
2720	Dynamic relationship between Chinese RMB exchange rate index and market anxiety: A new perspective based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123405.	1.2	14
2721	Multifractal analysis of the WTI crude oil market, US stock market and EPU. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 124096.	1.2	45
2722	Scaling features of price–volume cross correlation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 549, 124111.	1.2	5
2723	Measuring the Brazilian ethanol and gasoline market efficiency using DFA-Hurst and fractal dimension. <i>Energy Economics</i> , 2020, 85, 104614.	5.6	27

#	ARTICLE	IF	CITATIONS
2724	Rough volatility of Bitcoin. Finance Research Letters, 2020, 32, 101379.	3.4	32
2725	Fluctuation analysis of electric power loads in Europe: Correlation multifractality vs. Distribution function multifractality. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123821.	1.2	5
2726	Cryptocurrencies and equity funds: Evidence from an asymmetric multifractal analysis. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123711.	1.2	64
2727	DCCA and DMCA correlations of cryptocurrency markets. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123803.	1.2	48
2728	Dynamic return connectedness across global commodity futures markets: Evidence from time and frequency domains. Physica A: Statistical Mechanics and Its Applications, 2020, 542, 123464.	1.2	29
2729	DCCA cross-correlation analysis in time-series with removed parts. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123472.	1.2	10
2730	Prediction of complex oscillations in the dynamics of coupled chaotic systems using transients. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123818.	1.2	2
2731	Fractal Characterization of ECG signals: Indian Classical Music as stimulus. , 2020, , .		1
2732	Differences in Gating Dynamics of BK Channels in Cellular and Mitochondrial Membranes from Human Glioblastoma Cells Unraveled by Short- and Long-Range Correlations Analysis. Cells, 2020, 9, 2305.	1.8	8
2733	Spatiotemporal dynamics of a self-propelled system with opposing alignment and repulsive forces. Physical Review E, 2020, 102, 042613.	0.8	1
2734	Does Crude Oil Market Efficiency Improve After the Lift of the U.S. Export Ban? Evidence From Time-Varying Hurst Exponent. Frontiers in Physics, 2020, 8, .	1.0	7
2735	Self-Affine Analysis of ENSO in Solar Radiation. Energies, 2020, 13, 4816.	1.6	4
2736	Multifractal detrended cross-correlation analysis on benchmark cryptocurrencies and crude oil prices. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125172.	1.2	31
2737	Physiological Evidence That the Critical Torque Is a Phase Transition, Not a Threshold. Medicine and Science in Sports and Exercise, 2020, 52, 2390-2401.	0.2	38
2738	Behavioral agent-based framework for interacting financial markets. Review of Economics and Political Science, 2020, 5, 94-115.	1.1	0
2739	Uncovered interest rate parity through the lens of fractal methods: Evidence from the European Union. Physica A: Statistical Mechanics and Its Applications, 2020, 553, 124257.	1.2	4
2740	MARGIN-TRADING ACTIVITIES AND FUTURE STOCK RETURNS: NEW EVIDENCE FROM NONLINEAR ANALYSIS. Fractals, 2020, 28, 2050126.	1.8	3
2741	Pitfalls in long memory research. Cogent Economics and Finance, 2020, 8, 1733280.	0.8	4

#	ARTICLE	IF	CITATIONS
2742	Fractal signature of coronaviruses related to severe acute respiratory syndrome. Research on Biomedical Engineering, 2022, 38, 293-297.	1.5	6
2743	Inflation in the G7 and the expected time to reach the reference rate: A nonparametric approach. International Journal of Finance and Economics, 2020, , .	1.9	0
2744	On the Accuracy of Fault Diagnosis for Rolling Element Bearings Using Improved DFA and Multi-Sensor Data Fusion Method. Sensors, 2020, 20, 6465.	2.1	21
2745	On the Variability of Heart Rate Variabilityâ€”Evidence from Prospective Study of Healthy Young College Students. Entropy, 2020, 22, 1302.	1.1	12
2746	Assessment of mountain river streamflow patterns and flood events using information and complexity measures. Journal of Hydrology, 2020, 590, 125508.	2.3	11
2747	A comparative study on the volatility of EU and Chinaâ€™s carbon emission permits trading markets. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125037.	1.2	25
2748	Burst-tree decomposition of time series reveals the structure of temporal correlations. Scientific Reports, 2020, 10, 12202.	1.6	4
2749	Temporal Signatures of Criticality in Human Cortical Excitability as Probed by Early Somatosensory Responses. Journal of Neuroscience, 2020, 40, 6572-6583.	1.7	25
2750	Detrending-moving-average-based bivariate regression estimator. Physical Review E, 2020, 102, 012218.	0.8	7
2751	Self-Similar Models: Relationship between the Diffusion Entropy Analysis, Detrended Fluctuation Analysis and LÃ©vy Models. Mathematics, 2020, 8, 1046.	1.1	4
2752	Extended detrended fluctuation analysis of electroencephalograms signals during sleep and the opening of the bloodâ€”brain barrier. Chaos, 2020, 30, 073138.	1.0	19
2753	An ARFIMA-based model for daily precipitation amounts with direct access to fluctuations. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1487-1505.	1.9	6
2754	Regional Hurst Exponent Reflects Impulsivity-Related Alterations in Fronto-Hippocampal Pathways Within the Waiting Impulsivity Network. Frontiers in Physiology, 2020, 11, 827.	1.3	1
2755	Investigating Long-Range Dependence of Emerging Asian Stock Markets Using Multifractal Detrended Fluctuation Analysis. Symmetry, 2020, 12, 1157.	1.1	20
2756	Study of the physicochemical and biological properties of the new promising Tiâ€”20Nbâ€”13Taâ€”5Zr alloy for biomedical applications. Materials Chemistry and Physics, 2020, 255, 123557.	2.0	23
2757	Distinguishing Epileptiform Discharges From Normal Electroencephalograms Using Adaptive Fractal and Network Analysis: A Clinical Perspective. Frontiers in Physiology, 2020, 11, 828.	1.3	11
2758	Scale Features of a Network Echo Mechanism: Case Study for the Different Internet Paths. Journal of Computer Networks and Communications, 2020, 2020, 1-9.	1.2	0
2759	Wearable monitoring of sleep-disordered breathing: estimation of the apneaâ€”hypopnea index using wrist-worn reflective photoplethysmography. Scientific Reports, 2020, 10, 13512.	1.6	51

#	ARTICLE	IF	CITATIONS
2760	Chaotic model for COVID-19 growth factor. <i>Research on Biomedical Engineering</i> , 2022, 38, 299-303.	1.5	8
2761	On the efficiency of foreign exchange markets in times of the COVID-19 pandemic. <i>Technological Forecasting and Social Change</i> , 2020, 161, 120261.	6.2	142
2762	Dynamical heart beat correlations during running. <i>Scientific Reports</i> , 2020, 10, 13627.	1.6	8
2763	Variance and Scale-Free Properties of Resting-State Blood Oxygenation Level-Dependent Signal After Fear Memory Acquisition and Extinction. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 509075.	1.0	6
2764	Understanding long-term memory in global mean temperature: An attribution study based on model simulations. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 485-492.	0.5	4
2765	Long-Range Dependent Traffic Classification with Convolutional Neural Networks Based on Hurst Exponent Analysis. <i>Entropy</i> , 2020, 22, 1159.	1.1	3
2766	Long memory and regime switching in the stochastic volatility modelling. <i>Annals of Operations Research</i> , 2023, 320, 999-1020.	2.6	5
2767	Age-Related Distinctions in EEG Signals during Execution of Motor Tasks Characterized in Terms of Long-Range Correlations. <i>Sensors</i> , 2020, 20, 5843.	2.1	23
2768	Identifying the sources of seasonal predictability based on climate memory analysis and variance decomposition. <i>Climate Dynamics</i> , 2020, 55, 3239-3252.	1.7	7
2769	Noise Reduction in ECG Signal Using an Effective Hybrid Scheme. <i>IEEE Access</i> , 2020, 8, 160790-160801.	2.6	12
2770	Multifractal characterization of the Coniacian-Santonian OAE3 in lacustrine and marine deposits based on spectral gamma ray logs. <i>Scientific Reports</i> , 2020, 10, 14363.	1.6	5
2771	Early warning signals indicate a critical transition in Betelgeuse. <i>Astronomy and Astrophysics</i> , 2020, 640, L21.	2.1	12
2772	Sleep Network Deterioration as a Function of Dim-Light-At-Night Exposure Duration in a Mouse Model. <i>Clocks & Sleep</i> , 2020, 2, 308-324.	0.9	4
2773	Oceanic thermal structure mediates dive sequences in a foraging seabird. <i>Ecology and Evolution</i> , 2020, 10, 6610-6622.	0.8	15
2774	A Novel Integrated Measure for Energy Market Efficiency. <i>Journal of Systems Science and Complexity</i> , 2020, 33, 1108-1125.	1.6	0
2775	Methods of Mathematical Analysis of Heart Rate Variability. <i>Bio-Medical Engineering</i> , 2020, 54, 220-225.	0.3	3
2776	Time Series Analysis of Photospheric Magnetic Parameters of Flare-Quiet Versus Flaring Active Regions: Scaling Properties of Fluctuations. <i>Solar Physics</i> , 2020, 295, 1.	1.0	2
2777	Reliability of Electroencephalogram-Based Individual Markers – Case Study*. , 2020, 2020, 276-279.		1

#	ARTICLE	IF	CITATIONS
2778	Fractal analysis of muscle activity patterns during locomotion: pitfalls and how to avoid them. <i>Journal of Neurophysiology</i> , 2020, 124, 1083-1091.	0.9	19
2779	Scale-Independent Aggression: A Fractal Analysis of Four Levels of Human Aggression. <i>Complexity</i> , 2020, 2020, 1-8.	0.9	0
2780	Early Warning Signals for Bearing Failure Using Detrended Fluctuation Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8489.	1.3	6
2781	A Tale of Two Layers: The Mutual Relationship between Bitcoin and Lightning Network. <i>Risks</i> , 2020, 8, 129.	1.3	3
2782	Joint Multifractal Analysis and Source Testing of River Level Records Based on Multifractal Detrended Cross-Correlation Analysis. <i>Complexity</i> , 2020, 2020, 1-13.	0.9	4
2783	Is Violation of the Random Walk Assumption an Exception or a Rule in Capital Markets?. <i>Atlantic Economic Journal</i> , 2020, 48, 491-501.	0.3	2
2784	EEG Correlates of Learning From Speech Presented in Environmental Noise. <i>Frontiers in Psychology</i> , 2020, 11, 1850.	1.1	6
2785	Multifractal Cross Correlation Analysis of Agro-Meteorological Datasets (Including Reference) Tj ETQq1 1 0.784314 rgBT /Ovrglock 10 T	1.6	8
2786	Trends and Persistence of Dryâ€“Wet Conditions in Northeast Brazil. <i>Atmosphere</i> , 2020, 11, 1134.	1.0	8
2787	Is Foreign Capital Smarter? Multifractal Evidence from the Shanghaiâ€“Hong Kong Stock Connect Program. <i>Fluctuation and Noise Letters</i> , 2020, 19, 2050047.	1.0	9
2788	On Tail Dependence and Multifractality. <i>Mathematics</i> , 2020, 8, 1767.	1.1	0
2789	Searching for Supersymmetry at LHC Using the Complex-Network-Based Method of the Three-Dimensional Visibility-Graph. <i>Physics</i> , 2020, 2, 436-454.	0.5	1
2790	Random deposition with surface relaxation model accompanied by long-range correlated noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 560, 125130.	1.2	8
2791	A new estimator of the self-similarity exponent through the empirical likelihood ratio test. <i>Journal of Statistical Computation and Simulation</i> , 2020, 90, 1982-2001.	0.7	1
2792	Spatialâ€“Temporal Variability of Land Surface Temperature Spatial Pattern: Multifractal Detrended Fluctuation Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2010-2018.	2.3	9
2793	Detecting Adversarial Attacks In Time-Series Data. , 2020, , .		11
2794	An Improved VMD-Based Denoising Method for Time Domain Load Signal Combining Wavelet with Singular Spectrum Analysis. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-14.	0.6	11
2795	Long-range dependence and self-similarity of teletraffic with different protocols at the large time scale of day in the duration of 12 years: Autocorrelation modeling. <i>Physica Scripta</i> , 2020, 95, 065222.	1.2	8

#	ARTICLE	IF	CITATIONS
2796	A note on power-law cross-correlated processes. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109914.	2.5	2
2797	Complexity Analysis of Surface Electromyography for Assessing the Myoelectric Manifestation of Muscle Fatigue: A Review. <i>Entropy</i> , 2020, 22, 529.	1.1	69
2798	Study of Di-Muon Production Process in pp Collision in CMS Data from Symmetry Scaling Perspective. <i>Advances in High Energy Physics</i> , 2020, 2020, 1-17.	0.5	7
2799	Dynamics of the Global Stock Market Networks Generated by DCCA Methodology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2171.	1.3	6
2800	Efficiency of the Brazilian Bitcoin: A DFA Approach. <i>International Journal of Financial Studies</i> , 2020, 8, 25.	1.1	6
2801	Global broadcasting of local fractal fluctuations in a bodywide distributed system supports perception via effortful touch. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109740.	2.5	25
2802	Fluctuations of the entropy change under time reversal: Further investigations on identifying the occurrence time of an impending major earthquake. <i>Europhysics Letters</i> , 2020, 130, 29001.	0.7	33
2803	Stylized facts of the carbon emission market in China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 555, 124739.	1.2	8
2804	A Modified Fluctuation Analysis of Nonstationary Processes. <i>Technical Physics Letters</i> , 2020, 46, 299-302.	0.2	1
2805	Randomized multifractal detrended fluctuation analysis of long time series. <i>Chaos</i> , 2020, 30, 053113.	1.0	1
2806	Stock market trading volumes and economic uncertainty dependence: before and during Sino-U.S. trade friction. <i>Economic Research-Ekonomiska Istrazivanja</i> , 2020, 33, 1711-1728.	2.6	6
2807	Long memory and efficiency of Bitcoin under heavy tails. <i>Applied Economics</i> , 2020, 52, 5298-5309.	1.2	17
2808	Signatures of the autonomic nervous system and the heart's pacemaker cells in canine electrocardiograms and their applications to humans. <i>Scientific Reports</i> , 2020, 10, 9971.	1.6	31
2809	Analysis of the Informational Efficiency of the EU Carbon Emission Trading Market: Asymmetric MF-DFA Approach. <i>Energies</i> , 2020, 13, 2171.	1.6	18
2810	Permutation transition entropy: Measuring the dynamical complexity of financial time series. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 109962.	2.5	17
2811	Extended detrended fluctuation analysis of sound-induced changes in brain electrical activity. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 109989.	2.5	15
2812	Forecasting volatility in bitcoin market. <i>Annals of Finance</i> , 2020, 16, 435-462.	0.3	11
2813	Evidence of Intraday Multifractality in European Stock Markets during the Recent Coronavirus (COVID-19) Outbreak. <i>International Journal of Financial Studies</i> , 2020, 8, 31.	1.1	67

#	ARTICLE	IF	CITATIONS
2814	Structural characterization of the equatorial F region plasma irregularities in the multifractal context. <i>Annales Geophysicae</i> , 2020, 38, 445-456.	0.6	2
2815	Non-REM Sleep Marker for Wearable Monitoring: Power Concentration of Respiratory Heart Rate Fluctuation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3336.	1.3	9
2816	EU Stock Markets vs. Germany, UK and US: Analysis of Dynamic Comovements Using Time-Varying DCCA Correlation Coefficients. <i>Journal of Risk and Financial Management</i> , 2020, 13, 91.	1.1	7
2817	On Estimating the Hurst Parameter from Least-Squares Residuals. Case Study: Correlated Terrestrial Laser Scanner Range Noise. <i>Mathematics</i> , 2020, 8, 674.	1.1	12
2818	Long-Lasting Patterns in 3 kHz Electromagnetic Time Series after the ML = 6.6 Earthquake of 2018-10-25 near Zakynthos, Greece. <i>Geosciences (Switzerland)</i> , 2020, 10, 235.	1.0	9
2819	Trends in cooling and heating degree-days overtimes in Bangladesh? An investigation of the possible causes of changes. <i>Natural Hazards</i> , 2020, 101, 879-909.	1.6	28
2820	Power-law correlations and coupling of active and quiet states underlie a class of complex systems with self-organization at criticality. <i>EPJ Web of Conferences</i> , 2020, 230, 00005.	0.1	12
2821	Probabilistic properties of detrended fluctuation analysis for Gaussian processes. <i>Physical Review E</i> , 2020, 101, 032114.	0.8	8
2822	Portable Sensor System for Registration, Processing and Mathematical Analysis of PPG Signals. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1051.	1.3	12
2823	The Structure of Climate Variability Across Scales. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000657.	9.0	71
2824	EXTREME EVENTS ANALYSIS OF NON-STATIONARY TIME SERIES BY USING HORIZONTAL VISIBILITY GRAPH. <i>Fractals</i> , 2020, 28, 2050089.	1.8	4
2825	Extraction of Frictional Vibration Features with Multifractal Detrended Fluctuation Analysis and Friction State Recognition. <i>Symmetry</i> , 2020, 12, 272.	1.1	13
2826	Multifractal Properties of BK Channel Currents in Human Glioblastoma Cells. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2382-2391.	1.2	12
2827	Long range correlations of the ion current in SV channels. Met3PbCl influence study. <i>PLoS ONE</i> , 2020, 15, e0229433.	1.1	7
2828	Slow 0.1 Hz Breathing and Body Posture Induced Perturbations of RRI and Respiratory Signal Complexity and Cardiorespiratory Coupling. <i>Frontiers in Physiology</i> , 2020, 11, 24.	1.3	12
2829	Detection of sudden cardiac death by a comparative study of heart rate variability in normal and abnormal heart conditions. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 1140-1154.	3.3	24
2830	Multifractal analysis of Indian public sector enterprises. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 557, 124881.	1.2	4
2831	Detrended cross correlation analysis (DCCA) of radon, thoron, temperature and pressure time series data. <i>Physica Scripta</i> , 2020, 95, 085213.	1.2	9

#	ARTICLE	IF	CITATIONS
2832	AndroDFA: Android Malware Classification Based on Resource Consumption. Information (Switzerland), 2020, 11, 326.	1.7	6
2833	Persistence Analysis and Prediction of Low-Visibility Events at Valladolid Airport, Spain. Symmetry, 2020, 12, 1045.	1.1	20
2834	Scaling behavior in measured keystroke time series from patients with Parkinson's disease. European Physical Journal B, 2020, 93, 1.	0.6	5
2835	A Comparative Study on Flight Delay Networks of the USA and China. Journal of Advanced Transportation, 2020, 2020, 1-11.	0.9	6
2836	On the 2015 St. Patrick's Storm Turbulent State of the Ionosphere: Hints From the Swarm Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027934.	0.8	28
2837	Time-Series and Dynamic Cross-Correlations Analysis on Unexpected Information: Evidence from Media News and Online Postings. Fluctuation and Noise Letters, 2020, 19, 2050011.	1.0	0
2838	Measuring the efficiency of China's carbon market: A comparison between efficient and fractal market hypotheses. Journal of Cleaner Production, 2020, 271, 122885.	4.6	30
2839	Quantifying the Cross-Correlations between Online Market Participation Willingness and Stock Market Dynamics. Complexity, 2020, 2020, 1-20.	0.9	0
2840	Multivariate correlation analysis of agricultural futures and spot markets based on multifractal statistical methods. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073403.	0.9	10
2841	A physical interpretation of fractional-order-derivatives in a jerk system: Electronic approach. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105413.	1.7	20
2842	On the dynamical foundation of multifractality. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124038.	1.2	7
2843	Perceptual Underpinnings for "Good" Editing: A Fractal Analysis. Perception, 2020, 49, 281-297.	0.5	0
2844	Application of Time-Scale Decomposition of Entropy for Eye Movement Analysis. Entropy, 2020, 22, 168.	1.1	14
2845	Multifractal temporally weighted detrended cross-correlation analysis of multivariate time series. Chaos, 2020, 30, 023134.	1.0	10
2846	The Exposure of European Union Productive Sectors to Oil Price Changes. Sustainability, 2020, 12, 1620.	1.6	4
2847	Long-range correlation and predictability of Chinese stock prices. Physica A: Statistical Mechanics and Its Applications, 2020, 549, 124384.	1.2	6
2848	Shoes with active insoles mitigate declines in balance after fatigue. Scientific Reports, 2020, 10, 1951.	1.6	13
2849	Examining Human Unipedal Quiet Stance: Characterizing Control through Jerk. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-15.	0.7	3

#	ARTICLE	IF	CITATIONS
2850	On the Statistical Significance of the Variability Minima of the Order Parameter of Seismicity by Means of Event Coincidence Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 662.	1.3	17
2851	Complexity Changes in the US and China's Stock Markets: Differences, Causes, and Wider Social Implications. <i>Entropy</i> , 2020, 22, 75.	1.1	12
2852	China's soybean crush spread: Nonlinear analysis based on MF-DCCA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 554, 123899.	1.2	13
2853	Multifractal description of streamflow and suspended sediment concentration data from Indian river basins. <i>Acta Geophysica</i> , 2020, 68, 519-535.	1.0	16
2854	Detrended fluctuation analysis of cerebrovascular responses to abrupt changes in peripheral arterial pressure in rats. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105232.	1.7	26
2855	An Econophysics Study of the S&P Global Clean Energy Index. <i>Sustainability</i> , 2020, 12, 662.	1.6	14
2856	When Sinus Tachycardia Becomes Too Much. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007744.	2.1	7
2857	Long-Time Memory in Drought via Detrended Fluctuation Analysis. <i>Water Resources Management</i> , 2020, 34, 1199-1212.	1.9	22
2858	Two dimensional multifractal detrended fluctuation analysis of low coherence images for diagnosis of cervical pre-cancer. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 025011.	0.6	7
2859	Identifying characteristic time scales in power grid frequency fluctuations with DFA. <i>Chaos</i> , 2020, 30, 013130.	1.0	12
2860	Nonlinear correlations in multifractals: Visibility graphs of magnitude and sign series. <i>Chaos</i> , 2020, 30, 013151.	1.0	4
2861	Intelligent forecasting with machine learning trading systems in chaotic intraday Bitcoin market. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109641.	2.5	43
2862	Flow as an Embodied State. Informed Awareness of Slackline Walking. <i>Frontiers in Psychology</i> , 2019, 10, 2993.	1.1	14
2863	Long-range dependence, multi-fractality and volume-return causality of Ether market. <i>Chaos</i> , 2020, 30, 011101.	1.0	15
2864	Phase resetting and intermittent control at the edge of stability in a simple biped model generates 1/f-like gait cycle variability. <i>Biological Cybernetics</i> , 2020, 114, 95-111.	0.6	7
2865	Evidence of inefficiency of the Brazilian stock market: The IBOVESPA future contracts. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 543, 123200.	1.2	3
2866	Automatic Parkinson disease detection at early stages as a pre-diagnosis tool by using classifiers and a small set of vocal features. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 505-516.	3.3	55
2867	Association Factor for Identifying Linear and Nonlinear Correlations in Noisy Conditions. <i>Entropy</i> , 2020, 22, 440.	1.1	3

#	ARTICLE	IF	CITATIONS
2868	Space, time and velocity association of successive coronal mass ejections. <i>Astronomy and Astrophysics</i> , 2020, 635, A112.	2.1	4
2869	Nonlinear Methods Most Applied to Heart-Rate Time Series: A Review. <i>Entropy</i> , 2020, 22, 309.	1.1	78
2870	A tutorial on fractal analysis of human movements. , 2020, , 313-344.		4
2871	Multifractal description of daily rainfall fields over India. <i>Journal of Hydrology</i> , 2020, 586, 124913.	2.3	37
2872	Fractal biomarker of activity in patients with bipolar disorder. <i>Psychological Medicine</i> , 2021, 51, 1562-1569.	2.7	8
2873	A behavioral approach to instability pathways in financial markets. <i>Nature Communications</i> , 2020, 11, 1707.	5.8	15
2874	Paleoecological and recent data show a steady temporal evolution of carbon dioxide and temperature. <i>Atmospheric Pollution Research</i> , 2020, 11, 714-722.	1.8	22
2875	Properties of balanced flows with bottlenecks: Common stylized facts in finance and vibration-driven vehicles. <i>Physical Review E</i> , 2020, 101, 042302.	0.8	6
2876	Long-Range Correlations and Characterization of Financial and Volcanic Time Series. <i>Mathematics</i> , 2020, 8, 441.	1.1	12
2877	SCALING ANALYSIS OF THE A-PHASE DYNAMICS DURING SLEEP. <i>Fractals</i> , 2020, 28, 2050050.	1.8	1
2878	MULTIFRACTAL DETRENDED CROSS-CORRELATION ANALYSIS OF HIGH-FREQUENCY STOCK SERIES BASED ON ENSEMBLE EMPIRICAL MODE DECOMPOSITION. <i>Fractals</i> , 2020, 28, 2050035.	1.8	9
2879	Some Notes on the Formation of a Pair in Pairs Trading. <i>Mathematics</i> , 2020, 8, 348.	1.1	12
2880	Long-memory traces in $\{PM\}_{10}$ time series in Athens, Greece: investigation through DFA and R/S analysis. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 261-279.	0.9	11
2881	One model is not enough: Heterogeneity in cryptocurrenciesâ€™ multifractal profiles. <i>Finance Research Letters</i> , 2021, 39, 101649.	3.4	22
2882	Stock markets and the COVID-19 fractal contagion effects. <i>Finance Research Letters</i> , 2021, 38, 101640.	3.4	203
2883	Academic Performance Prediction Based on Multisource, Multifeature Behavioral Data. <i>IEEE Access</i> , 2021, 9, 5453-5465.	2.6	28
2884	A novel denoising method for vibration signal of hob spindle based on EEMD and grey theory. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 169, 108490.	2.5	80
2885	Tagore and neuroscience: A non-linear multifractal study to encapsulate the evolution of Tagore songs over a century. <i>Entertainment Computing</i> , 2021, 37, 100367.	1.8	5

#	ARTICLE	IF	CITATIONS
2886	Appraising trends and forecasting of hydroclimatic variables in the north and northeast regions of Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021, 143, 33-50.	1.3	33
2887	Statistical physics approaches to the complex Earth system. <i>Physics Reports</i> , 2021, 896, 1-84.	10.3	79
2888	Alternative ways to compare the detrended fluctuation analysis and its variants. Application to visual tunneling detection. , 2021, 108, 102865.		3
2889	Non-iterative denoising algorithm for mechanical vibration signal using spectral graph wavelet transform and detrended fluctuation analysis. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107202.	4.4	35
2890	EEG Signal denoising using hybrid approach of Variational Mode Decomposition and wavelets for depression. <i>Biomedical Signal Processing and Control</i> , 2021, 65, 102337.	3.5	47
2891	Flash glucose monitoring data analysed by detrended fluctuation function on beta cell function and diabetes classification. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 774-781.	2.2	3
2892	Classification of international stock markets through MDS based on Hurst-surface distance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125585.	1.2	2
2893	Changes in long-term properties and natural cycles of the Danube river level and flow induced by damming. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125607.	1.2	3
2894	Multiparametric statistical and dynamical analysis of angular high-frequency wind speed time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125627.	1.2	5
2896	Anomalous diffusion exponent in nuclear reactors. , 2021, , 335-370.		0
2897	Multiscale characteristics of the emerging global cryptocurrency market. <i>Physics Reports</i> , 2021, 901, 1-82.	10.3	114
2898	Dynamical diversity of mitochondrial BK channels located in different cell types. <i>BioSystems</i> , 2021, 199, 104310.	0.9	4
2899	On the multifractal analysis of air quality index time series before and during COVID-19 partial lockdown: A case study of Shanghai, China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125551.	1.2	14
2900	Hedging effectiveness of Chinese Treasury bond futures: New evidence based on nonlinear analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125553.	1.2	6
2901	Unnatural trend of global land long-term surface air temperature change. <i>International Journal of Climatology</i> , 2021, 41, 2330-2341.	1.5	5
2902	On the behavior of the DFA and DCCA in trend-stationary processes. <i>Journal of Multivariate Analysis</i> , 2021, 182, 104703.	0.5	5
2903	Postural constraints recruit shorter-timescale processes into the non-Gaussian cascade processes. <i>Neuroscience Letters</i> , 2021, 741, 135508.	1.0	8
2904	Analysis of intentional lethal violent crimes: A sliding windows approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 567, 125653.	1.2	4

#	ARTICLE	IF	CITATIONS
2905	A modified Multifractal Detrended Fluctuation Analysis (MFDFA) approach for multifractal analysis of precipitation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125611.	1.2	18
2906	Data-driven performance assessment of multivariable control loops using a modified Hurst exponent-based index. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2021, 235, 769-780.	0.7	2
2907	Statistical test for Multiple Detrended Cross-Correlation Coefficient. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 562, 125285.	1.2	12
2908	EFFECT OF FILTERS ON MULTIVARIATE MULTIFRACTAL DETRENDED FLUCTUATION ANALYSIS. <i>Fractals</i> , 2021, 29, 2150047.	1.8	5
2909	Coupling correlation detrended analysis for multiple nonstationary series. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105579.	1.7	11
2910	Long-range correlations of soil water content time series under tillage and different cover crops in a semi-arid vineyard. <i>European Journal of Soil Science</i> , 2021, 72, 623-634.	1.8	4
2911	Long memory and crude oil's price predictability. <i>Annals of Operations Research</i> , 2021, 299, 895-906.	2.6	10
2912	Dynamic cross-correlation and dynamic contagion of stock markets: a sliding windows approach with the DCCA correlation coefficient. <i>Empirical Economics</i> , 2021, 60, 1127-1156.	1.5	31
2913	Irregular Metronomes as Assistive Devices to Promote Healthy Gait Patterns. , 2021, 2021, .		2
2914	Multifractal fingerprinting of fine resolution daily gridded rainfall of Kerala meteorological subdivision, India using detrended fluctuation analysis. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
2915	Market Analysis of Blockchain-Based Cryptocurrencies. , 2021, , 135-158.		0
2916	Predictors of oil shocks. <i>Econophysical approach in environmental science. IOP Conference Series: Earth and Environmental Science</i> , 0, 628, 012019.	0.2	27
2917	Extended detrended fluctuation analysis: effects of nonstationarity and application to sleep data. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	10
2918	Regularized DFA to study the gaze position of an airline pilot. , 2021, , .		1
2919	Non-linear heart rate dynamics during and after three controlled exercise intensities in healthy men. <i>Physiology International</i> , 2021, 107, 501-512.	0.8	7
2920	Effects of Sleep Deprivation on the Brain Electrical Activity in Mice. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1182.	1.3	6
2921	Sulprostone-Induced Gastric Dysrhythmia in the Ferret: Conventional and Advanced Analytical Approaches. <i>Frontiers in Physiology</i> , 2020, 11, 583082.	1.3	2
2922	Monofractal and Multifractal Analysis of Indian Agricultural Commodity Prices. <i>Trends in Mathematics</i> , 2021, , 381-396.	0.1	0

#	ARTICLE	IF	CITATIONS
2923	How Does COVID-19 Impact the Efficiency of the Chinese Stock Market?. <i>Advances in Finance, Accounting, and Economics</i> , 2021, , 445-461.	0.3	0
2924	Sustainable urban mobility analysis for elderly and disabled people in São Paulo. <i>Scientific Reports</i> , 2021, 11, 791.	1.6	12
2925	Dynamic Cross-Correlations Analysis on Economic Policy Uncertainty and US Dollar Exchange Rate: AMF-DCCA Perspective. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-9.	0.5	7
2926	Econophysics of cryptocurrency crashes: an overview. <i>SHS Web of Conferences</i> , 2021, 107, 03001.	0.1	4
2927	Association between long-range temporal correlations in intrinsic EEG activity and subjective sense of identity. <i>Scientific Reports</i> , 2021, 11, 422.	1.6	17
2928	Visual effort moderates postural cascade dynamics. <i>Neuroscience Letters</i> , 2021, 742, 135511.	1.0	14
2929	Do the Stock Market Indices Follow a Random Walk?. <i>Advances in Finance, Accounting, and Economics</i> , 2021, , 389-410.	0.3	4
2930	Multiscale adaptive multifractal analysis and its applications. <i>Chaos</i> , 2021, 31, 023115.	1.0	3
2931	Accounting for the surface temperature persistence by using signal energy. <i>Theoretical and Applied Climatology</i> , 2021, 144, 363-377.	1.3	1
2932	Multifractal analysis of rainfall in coastal area in Pernambuco, Brazil. <i>Research, Society and Development</i> , 2021, 10, e15410212424.	0.0	3
2933	Beating Rate Variability of Isolated Mammal Sinoatrial Node Tissue: Insight Into Its Contribution to Heart Rate Variability. <i>Frontiers in Neuroscience</i> , 2020, 14, 614141.	1.4	4
2934	Upside-Downside Multifractality and Efficiency of Green Bonds: The Roles of Global Factors and COVID-19. <i>Finance Research Letters</i> , 2021, 43, 101995.	3.4	22
2935	A portfolio strategy of stock market based on mean-MF-X-DMA model. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110645.	2.5	6
2936	A non-linear analysis of running in the heavy and severe intensity domains. <i>European Journal of Applied Physiology</i> , 2021, 121, 1297-1313.	1.2	7
2937	Moses, Noah and Joseph effects in Lévy walks. <i>New Journal of Physics</i> , 2021, 23, 023002.	1.2	16
2938	Measure of unevenness in human genomes, described as a self-affine phase transition in a 'spin-chain' model. <i>F1000Research</i> , 0, 10, 149.	0.8	0
2939	Evaluation of the Performance of CMIP5 Models to Simulate Land Surface Air Temperature Based on Long-Range Correlation. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	6
2940	Group housing and social dominance hierarchy affect circadian activity patterns in mice. <i>Royal Society Open Science</i> , 2021, 8, 201985.	1.1	8

#	ARTICLE	IF	CITATIONS
2941	Multiscale RÄ©nyi cumulative residual distribution entropy: Reliability analysis of financial time series. Chaos, Solitons and Fractals, 2021, 143, 110410.	2.5	4
2942	Time trends and persistence in European temperature anomalies. International Journal of Climatology, 2021, 41, 4619-4636.	1.5	2
2943	Fractality and Variability in Canonical and Non-Canonical English Fiction and in Non-Fictional Texts. Frontiers in Psychology, 2021, 12, 599063.	1.1	4
2944	Same same but different â€“ Stylized facts of CTA sub strategies. International Review of Financial Analysis, 2021, 74, 101657.	3.1	2
2945	Multifractal detrended fluctuation analysis of soil radon (²²² Rn) and thoron (²²⁰ Rn) time series. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 425-434.	0.7	9
2946	CEPS: An Open Access MATLAB Graphical User Interface (GUI) for the Analysis of Complexity and Entropy in Physiological Signals. Entropy, 2021, 23, 321.	1.1	14
2947	Multiscale Entropy Analysis of Gravitational Waves. Advances in High Energy Physics, 2021, 2021, 1-7.	0.5	2
2948	Towards Embedded Computation with Building Materials. Materials, 2021, 14, 1724.	1.3	5
2950	Bayesian Machine Learning for the Prognosis of Combustion Instabilities From Noise. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	8
2951	The tipping points and early warning indicators for Pine Island Glacier, West Antarctica. Cryosphere, 2021, 15, 1501-1516.	1.5	42
2952	Hypothetical control of postural sway. Journal of the Royal Society Interface, 2021, 18, 20200951.	1.5	7
2953	A COMPARISON OF TWO FLUCTUATION ANALYSES FOR NATURAL LANGUAGE CLUSTERING PHENOMENA â€”TAYLOR vs. EBELING & NEIMAN METHODSâ€”. Fractals, 2021, 29, 2150033.	1.8	1
2954	Entropy and fractal perspectives of a flapping wing subjected to gust. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 2165-2181.	0.7	0
2956	Japanese quail classified by their permanence in proximity to a high or low density of conspecifics: a search for underpinning variables. Poultry Science, 2021, 100, 100950.	1.5	0
2957	Cross-correlations between price and volume in China's crude oil futures market: A study based on multifractal approaches. Chaos, Solitons and Fractals, 2021, 144, 110642.	2.5	21
2958	Detecting Brain Activations in Functional Magnetic Resonance Imaging (fMRI) Experiments with a Maximum Cross-Correlation Statistic. Journal of Data Science, 2012, 10, 403-418.	0.5	1
2959	Betting on bitcoin: a profitable trading between directional and shielding strategies. Decisions in Economics and Finance, 0, , 1.	1.1	2
2960	Equity-linked securities option pricing by fractional Brownian motion. Chaos, Solitons and Fractals, 2021, 144, 110716.	2.5	9

#	ARTICLE	IF	CITATIONS
2961	Effects of white Gaussian noise on dynamic balance in healthy young adults. <i>Scientific Reports</i> , 2021, 11, 5455.	1.6	9
2962	Distribution of blackouts in the power grid and the Motter and Lai model. <i>Physical Review E</i> , 2021, 103, 032309.	0.8	9
2963	Multivariate Multifractal Detrending Moving Average Analysis of Air Pollutants. <i>Mathematics</i> , 2021, 9, 711.	1.1	3
2964	Characterizing variability and predictability for air pollutants with stochastic models. <i>Chaos</i> , 2021, 31, 033148.	1.0	8
2966	Nonlinear relationship between money market rate and stock market liquidity in China: A multifractal analysis. <i>PLoS ONE</i> , 2021, 16, e0249852.	1.1	3
2967	Long-term correlations and multifractality of toll-free calls in China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 567, 125633.	1.2	5
2968	Long-term persistence, invariant time scales and on-off intermittency of fog events. <i>Atmospheric Research</i> , 2021, 252, 105456.	1.8	6
2969	Bearing Fault Diagnosis Approach under Data Quality Issues. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3289.	1.3	6
2970	Influence of "indeterminate music" on visual art: a phenomenological, semiotic and fractal exploration. <i>Journal of Physics: Conference Series</i> , 2021, 1896, 012021.	0.3	2
2972	A Comprehensive Power Spectral Density Analysis of Astronomical Time Series. II. The Swift/BAT Long Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2021, 911, 20.	1.6	16
2973	Enhanced multiresolution wavelet analysis of complex dynamics in nonlinear systems. <i>Chaos</i> , 2021, 31, 043110.	1.0	8
2974	Multifractal roots of suprapostural dexterity. <i>Human Movement Science</i> , 2021, 76, 102771.	0.6	16
2975	Multiscale multifractal detrended partial cross-correlation analysis of Chinese and American stock markets. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110731.	2.5	13
2976	Faded Critical Dynamics in Adult Moyamoya Disease Revealed by EEG and fMRI. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	1.9	2
2978	Long Memory in Earthquake Time Series: The Case Study of the Geysers Geothermal Field. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	5
2979	A Closer Look at Power-Law Scaling Applied to Sea Surface Temperature from Scripps Pier Using Empirical Mode Decomposition. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021, 38, 777-787.	0.5	1
2980	An acoustical and psychological study on contribution of lyrics in raga-based happy and sad Indian music. <i>Journal of Physics: Conference Series</i> , 2021, 1896, 012017.	0.3	0
2981	Correla�es em s�ries temporais de pre�os de frango, soja e milho. <i>Research, Society and Development</i> , 2021, 10, e20610414019.	0.0	3

#	ARTICLE	IF	CITATIONS
2982	Low-Frequency Seismic Noise Properties in the Japanese Islands. <i>Entropy</i> , 2021, 23, 474.	1.1	11
2983	Improved earthquake aftershocks forecasting model based on long-term memory. <i>New Journal of Physics</i> , 2021, 23, 042001.	1.2	9
2984	Did you know? Using entropy and fractal geometry to quantify fluctuations in physiological outputs. <i>Acta Physiologica</i> , 2021, 233, e13670.	1.8	7
2985	Changes in bloodâ€“brain barrier permeability characterized from electroencephalograms with a combined wavelet and fluctuation analysis. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	6
2986	Enhanced multiresolution wavelet analysis of cerebrovascular dynamics. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110924.	2.5	4
2988	A COVID-19 Rumor Dataset. <i>Frontiers in Psychology</i> , 2021, 12, 644801.	1.1	37
2989	Fractional Dynamics of PMU Data. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 2578-2588.	6.2	7
2990	Memory in Ion Channel Kinetics. <i>Acta Biotheoretica</i> , 2021, 69, 697-722.	0.7	8
2991	Diesel prices in Brazil: A dynamic fractional integration analysis. <i>Economics and Business Letters</i> , 2021, 10, 116-125.	0.4	4
2992	Analysis of fractality and complexity of the planetary K-index. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	0
2993	A Review of EEG Signal Features and Their Application in Driver Drowsiness Detection Systems. <i>Sensors</i> , 2021, 21, 3786.	2.1	92
2994	Temporal structure of brain oscillations predicts learned nocebo responses to pain. <i>Scientific Reports</i> , 2021, 11, 9807.	1.6	4
2995	Problems of Estimating Fractal Dimension by Higuchi and DFA Methods for Signals That Are a Combination of Fractal and Oscillations. , 2021, , .		0
2996	Fractal scaling laws for the dynamic evolution of sentiments in Never Let Me Go and their implications for writing, adaptation and reading of novels. <i>World Wide Web</i> , 2021, 24, 1147.	2.7	1
2997	A Comparison of Global Surface Air Temperature Over the Oceans Between CMIP5 Models and NCEP Reanalysis. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	1
2998	The non-linear relationship between randomness and scaling properties such as fractal dimensions and Hurst exponent in distributed signals. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 96, 105683.	1.7	5
2999	Impact of Global Warming on SENSEX fluctuations â€” A study based on Multifractal detrended cross correlation analysis between the temperature anomalies and the SENSEX fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 571, 125815.	1.2	5
3000	Surface electromyography for testing motor dysfunction in amyotrophic lateral sclerosis. <i>Neurophysiologie Clinique</i> , 2021, 51, 454-465.	1.0	4

#	ARTICLE	IF	CITATIONS
3001	Is the Long Memory Factor Important for Extending the Fama and French Five-Factor Model: Evidence from China. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-7.	0.6	0
3002	ordpy: A Python package for data analysis with permutation entropy and ordinal network methods. <i>Chaos</i> , 2021, 31, 063110.	1.0	27
3003	MULTIFRACTAL ANALYSIS WITH DETRENDING WEIGHTED AVERAGE ALGORITHM OF HISTORICAL VOLATILITY. <i>Fractals</i> , 2021, 29, 2150193.	1.8	7
3004	Exploring the Indian summer monsoon rainfall through multifractal detrended fluctuation analysis and the principle of entropy maximization. <i>Earth Science Informatics</i> , 2021, 14, 1571.	1.6	12
3005	Whether the CMIP5 Models Can Reproduce the Long-Range Correlation of Daily Precipitation?. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	3
3006	Ontogenetic changes in activity, locomotion and behavioural complexity in tadpoles. <i>Biological Journal of the Linnean Society</i> , 2021, 134, 165-176.	0.7	6
3007	EOG biofeedback protocol based on selecting distinctive features to treat or reduce ADHD symptoms. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 102748.	3.5	6
3008	Desynchronization of jammed oscillators by avalanches. <i>Physical Review Research</i> , 2021, 3, .	1.3	2
3009	Are Mobility and COVID-19 Related? A Dynamic Analysis for Portuguese Districts. <i>Entropy</i> , 2021, 23, 786.	1.1	13
3010	Complex Systems, Emergence, and Multiscale Analysis: A Tutorial and Brief Survey. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5736.	1.3	4
3011	A spatio-temporal analysis of dengue spread in a Brazilian dry climate region. <i>Scientific Reports</i> , 2021, 11, 11892.	1.6	5
3012	Scaling Properties and Persistence of Long-Term Solar Activity. <i>Atmosphere</i> , 2021, 12, 733.	1.0	2
3013	TdP Incidence in Methoxamine-Sensitized Rabbit Model Is Reduced With Age but Not Influenced by Hypercholesterolemia. <i>Frontiers in Physiology</i> , 2021, 12, 692921.	1.3	0
3014	New Variants of DFA Based on Loess and Lowess Methods: Generalization of the Detrending Moving Average. , 2021, , .		6
3015	Realized Quantiles[*]. <i>Journal of Business and Economic Statistics</i> , 2022, 40, 1346-1361.	1.8	3
3016	Trends and zonal variability of extreme rainfall events over East Africa during 1960â€“2017. <i>Natural Hazards</i> , 2021, 109, 33-61.	1.6	6
3017	Multiscale Permutation Lempelâ€“Ziv Complexity Measure for Biomedical Signal Analysis: Interpretation and Application to Focal EEG Signals. <i>Entropy</i> , 2021, 23, 832.	1.1	18
3018	Hurst Exponents for Intra- and Intercycle Thermoacoustic Oscillations. <i>Journal of Propulsion and Power</i> , 2021, 37, 553-563.	1.3	1

#	ARTICLE	IF	CITATIONS
3019	Detrended fluctuation analysis of earthquake data. <i>Physical Review Research</i> , 2021, 3, .	1.3	0
3021	Fast Hand Movements Unveil Multifractal Roots of Adaptation in the Visuomotor Cognitive System. <i>Frontiers in Physiology</i> , 2021, 12, 713076.	1.3	7
3022	Multifractal temporally weighted detrended partial cross-correlation analysis of two non-stationary time series affected by common external factors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125920.	1.2	3
3023	NREM Sleep EEG Characteristics Correlate to the Mild Cognitive Impairment in Patients with Parkinsonism. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	2
3024	A combined iCEEMDAN and VMD method for mitigating the impact of ionospheric scintillation on GNSS signals. <i>Acta Geophysica</i> , 2021, 69, 1933-1948.	1.0	14
3025	Cross-correlations between the P2P interest rate, Shibor and treasury yields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 125945.	1.2	1
3026	Detrended multiple cross-correlation coefficient with sliding windows approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 125990.	1.2	9
3027	eeglib: A Python module for EEG feature extraction. <i>SoftwareX</i> , 2021, 15, 100745.	1.2	9
3028	Spatiotemporal nexus between vegetation change and extreme climatic indices and their possible causes of change. <i>Journal of Environmental Management</i> , 2021, 289, 112505.	3.8	68
3029	Detrended fluctuation analysis in the presurgical evaluation of parietal lobe epilepsy patients. <i>Clinical Neurophysiology</i> , 2021, 132, 1515-1525.	0.7	11
3030	A new dissimilarity measure based on ordinal pattern for analyzing physiological signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 125997.	1.2	5
3031	Representing complex networks without connectivity via spectrum series. <i>Information Sciences</i> , 2021, 563, 16-22.	4.0	3
3032	Multivariate Signal Denoising Based on Generic Multivariate Detrended Fluctuation Analysis. , 2021, , .		3
3033	Association, Correlation, and Causation Among Transport Variables of PM2.5. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	4
3034	Aperiodic bandgap structures for enhanced quantum two-photon sources. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, C94.	0.9	7
3035	Restoring Walking Complexity in Older Adults Through Arm-in-Arm Walking: Were Almurad etÂal.â€™s (2018) Results an Artifact?. <i>Motor Control</i> , 2021, 25, 475-490.	0.3	3
3036	Automatic Classification of Amyotrophic Lateral Sclerosis through Gait Dynamics. , 2021, , .		0
3037	Multifractal Cross-correlations between foreign exchange rates and interest rate spreads. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 125983.	1.2	8

#	ARTICLE	IF	CITATIONS
3038	Does oil price variability affect the long memory and weak form efficiency of stock markets in top oil producers and oil Consumers? Evidence from an asymmetric MF-DFA approach. North American Journal of Economics and Finance, 2021, 57, 101446.	1.8	24
3039	Effect of missing data on short time series and their application in the characterization of surface temperature by detrended fluctuation analysis. Computers and Geosciences, 2021, 153, 104794.	2.0	8
3040	Multifractal Behaviors of Stock Indices and Their Ability to Improve Forecasting in a Volatility Clustering Period. Entropy, 2021, 23, 1018.	1.1	12
3042	Fatigue-induced changes in knee-extensor torque complexity and muscle metabolic rate are dependent on joint angle. European Journal of Applied Physiology, 2021, 121, 3117-3131.	1.2	14
3043	Asymmetric multiscale multifractal analysis (AMMA) of heart rate variability. Physiological Measurement, 2021, 42, 085003.	1.2	1
3044	Atrial fibrillation detection by DFA and SDCST methods. Model Assisted Statistics and Applications, 2021, 16, 189-196.	0.2	0
3046	Understanding the Nature of the Long-Range Memory Phenomenon in Socioeconomic Systems. Entropy, 2021, 23, 1125.	1.1	6
3047	Long memory and efficiency of Bitcoin during COVID-19. Applied Economics, 2022, 54, 375-389.	1.2	10
3048	SHIBOR Fluctuations and Stock Market Liquidity: An MF-DCCA Approach. Emerging Markets Finance and Trade, 2022, 58, 2050-2065.	1.7	4
3049	Statistical properties of the detrended multiple cross-correlation coefficient. Communications in Nonlinear Science and Numerical Simulation, 2021, 99, 105781.	1.7	14
3050	Time reversal symmetry and the difference between relaxations and building-up periods. Physical Review E, 2021, 104, 024208.	0.8	3
3051	Fluctuation Dynamics of Radon in Groundwater Prior to the Gansu Earthquake, China (22 July 2013:). Tj ETQq1 1 0.784314 rgBT /Overbor	0.8	8
3052	Not all long-memory estimators are born equal: The case of nonstationary functional time series. Canadian Journal of Statistics, 0, , .	0.6	1
3053	Scaling Features of Diurnal Variation of Galactic Cosmic Rays. Solar Physics, 2021, 296, 1.	1.0	2
3054	Lockdown during COVID-19 pandemic: A case study from Indian cities shows insignificant effects on persistent property of urban air quality. Geoscience Frontiers, 2022, 13, 101284.	4.3	38
3055	Use of deep learning, denoising technic and cross-correlation analysis for the prediction of the shield machine slurry pressure in mixed ground conditions. Automation in Construction, 2021, 128, 103741.	4.8	11
3056	How Fast Does the Clock of Finance Run?â€”A Time-Definition Enforcing Stationarity and Quantifying Overnight Duration. Journal of Risk and Financial Management, 2021, 14, 384.	1.1	1
3057	Price Appreciation and Roughness Duality in Bitcoin: A Multifractal Analysis. Mathematics, 2021, 9, 2088.	1.1	2

#	ARTICLE	IF	CITATIONS
3058	Wave Transport and Localization in Prime Number Landscapes. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
3059	Multifractal, nonlinear, and chaotic nature of earthquake and global temperature. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	7
3060	Viscoelasticity and Noise Properties Reveal the Formation of Biomemory in Cells. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10883-10892.	1.2	5
3061	Revisiting efficiency in MENA stock markets during political shocks: evidence from a multi-step approach. <i>Heliyon</i> , 2021, 7, e08028.	1.4	9
3062	Fractional and fractal processes applied to cryptocurrencies price series. <i>Journal of Advanced Research</i> , 2021, 32, 85-98.	4.4	14
3063	MULTIFRACTAL DETRENDED FLUCTUATIONS ANALYSIS FOR IBOVESPA ASSETS. <i>Fractals</i> , 2021, 29, .	1.8	5
3064	Detrended Correlogram Method for Non-Stationary Time-Series Analysis. <i>Fluctuation and Noise Letters</i> , 2022, 21, .	1.0	3
3065	Local Membrane Curvature Pins and Guides Excitable Membrane Waves in Chemotactic and Macropinocytic Cells - Biomedical Insights From an Innovative Simple Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 670943.	1.8	2
3066	DFA-based abacuses providing the Hurst exponent estimate for short-memory processes. , 2021, 116, 103102.		4
3067	Assessing Scaling Behavior of Four Hydrological Variables Using Combined Fractal and Statistical Methods in Missouri River Basin. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 0, , 1.	1.0	0
3068	Diagnosis of the Cane Sugar Crystallization Process by Multifractal Analysis of Temperature Time Series. <i>Chemical Engineering and Technology</i> , 2021, 44, 2064.	0.9	1
3069	Analysis of Volcanic Thermohaline Fluctuations of Tagoro Submarine Volcano (El Hierro Island,) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	1.0	3
3070	Herding behavior during the Covid-19 pandemic: a comparison between Asian and European stock markets based on intraday multifractality. <i>Eurasian Economic Review</i> , 2022, 12, 333-359.	1.7	25
3071	TESTING FOR EFFECTS OF CROSS-CORRELATIONS ON JOINT MULTIFRACTALITY. <i>Fractals</i> , 0, , 2150177.	1.8	1
3072	Correlaões em séries temporais de preços de manga produzida no Vale do São Francisco. <i>Research, Society and Development</i> , 2021, 10, e266101220460.	0.0	0
3073	Cross-Correlations in Meat Prices in Brazil: A Non-Linear Approach Using Different Time Scales. <i>Economies</i> , 2021, 9, 133.	1.2	2
3075	Modeling Dynamic Multifractal Efficiency of US Electricity Market. <i>Energies</i> , 2021, 14, 6145.	1.6	15
3076	Multifractal Fluctuation Analysis of Correlations between Agricultural Futures Markets in China and the US Based on MF-X-DFA and MF-DPXA Methods. <i>Fluctuation and Noise Letters</i> , 2022, 21, .	1.0	4

#	ARTICLE	IF	CITATIONS
3077	External validation of a novel signature of illness in continuous cardiorespiratory monitoring to detect early respiratory deterioration of ICU patients. <i>Physiological Measurement</i> , 2021, 42, 095006.	1.2	3
3078	Multi-scale transition matrix approach to time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 578, 126116.	1.2	2
3079	Multifractal and cross-correlation analysis on mitochondrial genome sequences using chaos game representation. <i>Mitochondrion</i> , 2021, 60, 121-128.	1.6	5
3080	Persistent homology of fractional Gaussian noise. <i>Physical Review E</i> , 2021, 104, 034116.	0.8	6
3081	The use of a Detrended Cross-Correlation Analysis on returns from agricultural commodities in the subprime crisis. <i>GEPROS: Gestão Da Produção, Operações E Sistemas</i> , 2021, 16, 119-137.	0.0	0
3082	Detrended multifractal characterization of Indian rainfall records. <i>Chaos, Solitons and Fractals</i> , 2021, 151, 111297.	2.5	17
3083	Computational characteristics of interictal EEG as objective markers of epileptic spasms. <i>Epilepsy Research</i> , 2021, 176, 106704.	0.8	18
3084	Testing reliability of the spatial Hurst exponent method for detecting a change point. <i>Journal of Water and Climate Change</i> , 0, , .	1.2	1
3085	Coupled multifractal methods to reveal changes in nitrogen dioxide and tropospheric ozone concentrations during the COVID-19 lockdown. <i>Atmospheric Research</i> , 2021, 261, 105755.	1.8	3
3086	Long-range temporal correlations in the broadband resting state activity of the human brain revealed by neuronal avalanches. <i>Neurocomputing</i> , 2021, 461, 657-666.	3.5	15
3087	The futility of long-term predictions in bipolar disorder: mood fluctuations are the result of deterministic chaotic processes. <i>International Journal of Bipolar Disorders</i> , 2021, 9, 30.	0.8	4
3088	Computational assessment of smooth and rough parameter dependence of statistics in chaotic dynamical systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105906.	1.7	7
3089	The impact of the shutdown policy on the asymmetric interdependence structure and risk transmission of cryptocurrency and China's financial market. <i>North American Journal of Economics and Finance</i> , 2021, 58, 101514.	1.8	9
3090	Extending DFA-based multiple linear regression inference: Application to acoustic impedance models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 582, 126259.	1.2	2
3091	Exploring asymmetric multifractal cross-correlations of price's volatility and asymmetric volatility dynamics in cryptocurrency markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 581, 126237.	1.2	15
3092	A theoretical framework for the TTA algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 582, 126288.	1.2	2
3093	Monitoring a chemical reaction using pH measurements: An approach based on multiscale fractal analysis. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111336.	2.5	2
3094	Is Brazilian music getting more predictable? A statistical physics approach for different music genres. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 583, 126327.	1.2	4

#	ARTICLE	IF	CITATIONS
3095	Asymmetric multifractal features of the price-volume correlation in China's gold futures market based on MF-ADCCA. <i>Research in International Business and Finance</i> , 2021, 58, 101495.	3.1	10
3096	Bitcoin's price efficiency and safe haven properties during the COVID-19 pandemic: A comparison. <i>Research in International Business and Finance</i> , 2021, 58, 101472.	3.1	31
3097	Multiresolution wavelet analysis of noisy datasets with different measures for decomposition coefficients. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 585, 126406.	1.2	6
3098	Spatiotemporal variability of multifractal properties of finer resolution daily gridded rainfall fields over India. <i>Natural Hazards</i> , 2021, 106, 1951-1979.	1.6	9
3099	Growth signals determine the topology of evolving networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013405.	0.9	1
3100	COVID-19 pandemic and global financial market interlinkages: a dynamic temporal network analysis. <i>Applied Economics</i> , 2021, 53, 2930-2945.	1.2	28
3101	Long memory in stock returns: Evidence from the Eastern European markets. <i>SHS Web of Conferences</i> , 2021, 91, 01029.	0.1	7
3103	The Fingerprint of Magma Mixing in Minerals. <i>Advances in Volcanology</i> , 2021, , 113-126.	0.7	1
3104	Time Series Analysis of Fault Strain Accumulation Around Large Dam: The Case of Enguri Dam, Greater Caucasus. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2021, , 185-204.	0.1	2
3105	Characterization and Predictive Analysis of Volatile Financial Markets Using Detrended Fluctuation Analysis, Wavelet Decomposition, and Machine Learning. <i>International Journal of Data Analytics</i> , 2021, 2, 1-31.	0.1	3
3106	Classification of time series of temperature variations from climatically homogeneous regions based on long-term persistence. <i>International Journal of Climatology</i> , 2021, 41, 2660-2678.	1.5	1
3107	Dynamic Cross-Correlation between Online Sentiment and Stock Market Performance: A Global View. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-11.	0.5	2
3108	An Open Source Classifier for Bed Mattress Signal in Infant Sleep Monitoring. <i>Frontiers in Neuroscience</i> , 2020, 14, 602852.	1.4	3
3112	Long-Range Dependence in Heartbeat Dynamics. <i>Lecture Notes in Physics</i> , 2003, , 339-372.	0.3	4
3113	Fractal and Multifractal Time Series. , 2009, , 3754-3779.		84
3114	Fractals in Biology. , 2009, , 3779-3802.		4
3115	Fractal and Wavelets : What Can We Learn on Transcription and Replication from Wavelet-Based Multifractal Analysis of DNA Sequences. <i>DNA sequence ?</i> , 2009, , 3893-3924.		2
3116	Modeling Tumors as Complex Biosystems: An Agent-Based Approach. , 2006, , 573-602.		2

#	ARTICLE	IF	CITATIONS
3117	Advanced EEG Signal Processing in Brain Death Diagnosis. , 2008, , 275-298.		17
3118	Constant-Order Fractional Processes. Signals and Communication Technology, 2012, , 49-76.	0.4	1
3119	Methodological Issues. , 2014, , 51-118.		2
3120	Fractal and Multifractal Time Series. , 2012, , 463-487.		45
3121	Continuous Multiorgan Variability Monitoring in Critically Ill Patients: Complexity Science at the Bedside. , 2013, , 467-481.		3
3122	Avalanche Dynamics and Correlations in Neural Systems. Springer Series on Bio- and Neurosystems, 2019, , 1-26.	0.2	5
3123	Multifractal Description of Droughts in Western India Using Detrended Fluctuation Analysis. Water Science and Technology Library, 2021, , 133-142.	0.2	4
3124	Quantifying Model Uncertainties in Complex Systems. , 2011, , 221-252.		2
3126	Studying the Oscillatory Components of Human Skin Microcirculation. , 2015, , 1-15.		3
3127	Zooming in: Studying Collective Emotions with Interactive Affective Systems. Understanding Complex Systems, 2017, , 279-304.	0.3	4
3128	Examining the Efficiency. , 2017, , 63-84.		1
3129	Whole-Body Coordination Skill for Dynamic Balancing on a Slackline. Lecture Notes in Computer Science, 2017, , 528-546.	1.0	6
3130	A Minimal Noise Trader Model with Realistic Time Series Properties. , 2007, , 345-361.		4
3131	Fractal analysis in normal EEG and epileptic EEG of rats. , 2007, , 1266-1269.		9
3132	Scale-Free Features in the Observed Traffic Flow. , 2007, , 709-715.		3
3133	Long-Range Dependence, Fractal Processes, and Intra-Daily Data. , 2008, , 543-585.		11
3134	Generating Traffic Time Series Based on Generalized Cauchy Process. Lecture Notes in Computer Science, 2007, , 374-381.	1.0	2
3135	Long-Range Temporal Correlations in the Spontaneous in vivo Activity of Interneuron in the Mouse Hippocampus. Lecture Notes in Computer Science, 2007, , 1339-1344.	1.0	1

#	ARTICLE	IF	CITATIONS
3136	Return Intervals Approach to Financial Fluctuations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 3-27.	0.2	4
3137	The Statistics of Return Intervals, Maxima, and Centennial Events Under the Influence of Long-Term Correlations. , 2011, , 2-43.		6
3138	A Review on the Pettitt Test. , 2011, , 202-213.		23
3139	Detrended Fluctuation Studies of Long-Term Persistence and Multifractality of Precipitation and River Runoff Records. , 2011, , 216-248.		6
3140	Seasonality Effects on Nonlinear Properties of Hydrometeorological Records. , 2011, , 266-284.		9
3141	Introduction to Seismic Electric Signals. , 2011, , 3-115.		15
3142	Statistical Physics and Economic Fluctuations. Lecture Notes in Economics and Mathematical Systems, 2004, , 109-141.	0.3	3
3145	Fractal and Multifractal Time Series. , 2015, , 1-37.		8
3146	Self-similarity in Physiological Time Series: New Perspectives from the Temporal Spectrum of Scale Exponents. Lecture Notes in Computer Science, 2012, , 164-175.	1.0	3
3147	Multiscaled Cross-Correlation Dynamics on SenseCam Lifelogged Images. Lecture Notes in Computer Science, 2013, , 490-501.	1.0	5
3148	A Comparison of Actual and Artifactual Features Based on Fractal Analyses: Resting-State MEG Data. Advances in Intelligent Systems and Computing, 2013, , 1257-1265.	0.5	2
3149	Entropy, Complexity, Predictability, and Data Analysis of Time Series and Letter Sequences. , 2002, , 2-25.		13
3150	Market Fluctuations I: Scaling, Multiscaling, and Their Possible Origins. , 2002, , 372-409.		33
3151	Fractal and Multifractal Approaches in Physiology. , 2002, , 218-257.		12
3152	Physiological Relevance of Scaling of Heart Phenomena. , 2002, , 258-281.		1
3154	Global and Local Approaches Describing Critical Phenomena on the Developing and Developed Financial Markets. , 2010, , 149-172.		1
3155	Measuring long-range dependence in electricity prices. , 2002, , 110-119.		15
3158	Tick Size and Price Diffusion. New Economic Windows, 2011, , 173-187.	1.0	4

#	ARTICLE	IF	CITATIONS
3159	Characterizing Price Index Behavior Through Fluctuation Dynamics. <i>New Economic Windows</i> , 2013, , 287-295.	1.0	1
3160	Geometric Properties of Random Fields. <i>Advances in Geographic Information Science</i> , 2020, , 173-244.	0.3	2
3161	Gestalt Phenomenon in Music: Which Frequencies Do We Really Hear?. <i>Signals and Communication Technology</i> , 2018, , 145-163.	0.4	1
3162	A multifractal description of wind speed records. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 165-173.	2.5	39
3164	Possible causes of long-range dependence in the Brazilian stock market. , 2005, 345, 635-635.		24
3165	Detrended fluctuation analysis based on higher-order moments of financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 311-322.	1.2	9
3166	Variance change point detection for fractional Brownian motion based on the likelihood ratio test. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 439-450.	1.2	6
3167	Topology structure based on detrended cross-correlation coefficient of exchange rate network of the belt and road countries. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 1140-1151.	1.2	13
3169	Probing Thermotropic Phase Behavior of Dipalmitoylphosphatidylcholine Bilayers from Electrical and Topographic Data in a Horizontal Black Lipid Membrane Model. <i>Langmuir</i> , 2020, 36, 1083-1093.	1.6	5
3170	Multifractal detrended cross-correlation analysis of wind speed and solar radiation. <i>Chaos</i> , 2020, 30, 113109.	1.0	14
3171	Long range dependence in an emerging stock market's sectors: volatility modelling and VaR forecasting. <i>Applied Economics</i> , 2018, 50, 2569-2599.	1.2	17
3172	Long Range Dependence in G7 Stock Markets's Return Rates Using Mutual Information and Detrended Cross-Correlation Analysis. <i>Journal for Studies in Economics and Econometrics</i> , 2017, 41, 55-72.	0.4	4
3173	Long-range memory test by the burst and inter-burst duration distribution. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 093406.	0.9	1
3174	Statistical Physics and Economic Fluctuations. , 2005, , 67-100.		1
3175	Mechanisms in dynamically complex systems. , 2011, , 880-906.		15
3182	Arrow of time across five centuries of classical music. <i>Physical Review Research</i> , 2020, 2, .	1.3	16
3183	Physiological Complexity, Aging, and the Path to Frailty. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2004, 2004, pe16-pe16.	0.9	200
3184	Time Series Analysis Using Fractal and Multifractal Methods. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
3185	Impact of Public Information Arrivals on Cryptocurrency Market: A Case of Twitter Posts on Ripple. <i>East Asian Economic Review</i> , 2019, 23, 149-168.	0.3	10
3186	Heart Rate Variability. , 2012, , 1-6.		16
3187	Transitions in effective scaling behavior of accelerometric time series across sleep and wake. <i>Europhysics Letters</i> , 2013, 103, 68002.	0.7	15
3188	Self-organized criticality and earthquake predictability: A long-standing question in the light of natural time analysis. <i>Europhysics Letters</i> , 2020, 132, 29001.	0.7	43
3189	Ischemic Preconditioning Blunts Loss of Knee Extensor Torque Complexity with Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 306-315.	0.2	10
3190	Different Fractal Properties of Positive and Negative Returns. <i>Acta Physica Polonica A</i> , 2008, 114, 547-553.	0.2	17
3191	Multifractal Dynamics of Stock Markets. <i>Acta Physica Polonica A</i> , 2010, 117, 623-629.	0.2	28
3192	Evacuation in the Social Force Model is not Stationary. <i>Acta Physica Polonica A</i> , 2012, 121, B-77-B-81.	0.2	3
3193	Scaling of Dependence between Foreign Exchange Rates and Stock Markets in Central Europe. <i>Acta Physica Polonica A</i> , 2016, 129, 908-912.	0.2	18
3194	Methods of Non-Extensive Statistical Physics in Analysis of Price Returns on Polish Stock Market. <i>Acta Physica Polonica A</i> , 2016, 129, 986-992.	0.2	3
3195	Composite fractional time evolutions of cumulants in fractional generalized birth processes. <i>Advanced Studies in Theoretical Physics</i> , 0, 8, 195-213.	0.1	4
3196	Investigation of noises in the EPN weekly time series. <i>Acta Geodynamica Et Geomaterialia</i> , 2015, , 117-126.	0.3	4
3197	Significance of trends in gait dynamics. <i>PLoS Computational Biology</i> , 2020, 16, e1007180.	1.5	5
3198	Facilitating Joint Chaos and Fractal Analysis of Biosignals through Nonlinear Adaptive Filtering. <i>PLoS ONE</i> , 2011, 6, e24331.	1.1	114
3199	Shannon and Renyi Entropies to Classify Effects of Mild Traumatic Brain Injury on Postural Sway. <i>PLoS ONE</i> , 2011, 6, e24446.	1.1	82
3200	Emergence of Good Conduct, Scaling and Zipf Laws in Human Behavioral Sequences in an Online World. <i>PLoS ONE</i> , 2012, 7, e29796.	1.1	39
3201	Long-Range Temporal Correlations in the EEG Bursts of Human Preterm Babies. <i>PLoS ONE</i> , 2012, 7, e31543.	1.1	26
3202	Methods for Detecting Early Warnings of Critical Transitions in Time Series Illustrated Using Simulated Ecological Data. <i>PLoS ONE</i> , 2012, 7, e41010.	1.1	638

#	ARTICLE	IF	CITATIONS
3203	The Complexity of Standing Postural Control in Older Adults: A Modified Detrended Fluctuation Analysis Based upon the Empirical Mode Decomposition Algorithm. PLoS ONE, 2013, 8, e62585.	1.1	26
3204	Multifractal Detrended Fluctuation Analysis of Human EEG: Preliminary Investigation and Comparison with the Wavelet Transform Modulus Maxima Technique. PLoS ONE, 2013, 8, e68360.	1.1	88
3205	Long-Range Correlations in Stride Intervals May Emerge from Non-Chaotic Walking Dynamics. PLoS ONE, 2013, 8, e73239.	1.1	32
3206	Relationship between Neural Rhythm Generation Disorders and Physical Disabilities in Parkinson's Disease Patients' Walking. PLoS ONE, 2014, 9, e112952.	1.1	22
3207	Agent-Based Mapping of Credit Risk for Sustainable Microfinance. PLoS ONE, 2015, 10, e0126447.	1.1	6
3208	Heart Rate Variability as an Indicator of Chronic Stress Caused by Lameness in Dairy Cows. PLoS ONE, 2015, 10, e0134792.	1.1	48
3209	Long-Range Correlations and Memory in the Dynamics of Internet Interdomain Routing. PLoS ONE, 2015, 10, e0141481.	1.1	8
3210	Long-Range Correlations of Global Sea Surface Temperature. PLoS ONE, 2016, 11, e0153774.	1.1	7
3211	Fractal Dimension Analysis of Transient Visual Evoked Potentials: Optimisation and Applications. PLoS ONE, 2016, 11, e0161565.	1.1	5
3212	Multifractality and Network Analysis of Phase Transition. PLoS ONE, 2017, 12, e0170467.	1.1	28
3213	Evolution of scaling behaviors embedded in sentence series from A Story of the Stone. PLoS ONE, 2017, 12, e0171776.	1.1	8
3214	Identifying the perceptive users for online social systems. PLoS ONE, 2017, 12, e0178118.	1.1	3
3215	Poisson pre-processing of nonstationary photonic signals: Signals with equality between mean and variance. PLoS ONE, 2017, 12, e0188622.	1.1	6
3216	Fractal analyses reveal independent complexity and predictability of gait. PLoS ONE, 2017, 12, e0188711.	1.1	17
3217	Graph-based feature extraction: A new proposal to study the classification of music signals outside the time-frequency domain. PLoS ONE, 2020, 15, e0240915.	1.1	10
3218	A Comparison of Hurst Exponent Estimators in Long-range Dependent Curve Time Series. Journal of Time Series Econometrics, 2020, 12, .	0.4	2
3219	Volatility of fractal and multifractal time series. Israel Journal of Earth Sciences, 2007, 56, 47-56.	0.3	12
3220	Discriminating Between Explosions and Earthquakes by the SDFa Method. American Review of Mathematics and Statistics, 2018, 6, .	0.3	2

#	ARTICLE	IF	CITATIONS
3221	Statistical properties of nucleotide clusters in DNA sequences. Journal of Zhejiang University Science B, 2005, 6B, 408-412.	0.4	4
3222	Asymmetric detrended fluctuation analysis reveals asymmetry in the RR intervals time series. Journal of Applied Mathematics and Computational Mechanics, 2016, 15, 99-106.	0.3	6
3223	Smart Agents and Sentiment in the Heterogeneous Agent Model. Prague Economic Papers, 2009, 18, 209-219.	0.2	4
3224	Capital Markets Efficiency: Fractal Dimension, Hurst Exponent and Entropy. Politicka Ekonomie, 2012, 60, 208-221.	0.1	7
3225	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, .	1.8	65
3226	Source Of The Multifractality In Exchange Markets: Multifractal Detrended Fluctuations Analysis. Journal of Business and Economics Research, 2014, 12, 371.	1.0	3
3227	Multifractal Features of Spot Rates in the Liquid Petroleum Gas Shipping Market. SSRN Electronic Journal, 0, , .	0.4	1
3228	Statistical Laws Governing Fluctuations in Word Use from Word Birth to Word Death. SSRN Electronic Journal, 0, , .	0.4	2
3229	Critical Reflexivity in Financial Markets: A Hawkes Process Analysis. SSRN Electronic Journal, 0, , .	0.4	12
3230	The Long Memory of Order Flow in the Foreign Exchange Spot Market. SSRN Electronic Journal, 0, , .	0.4	5
3231	There's More to Volatility than Volume. SSRN Electronic Journal, 0, , .	0.4	8
3232	Multifractal manifold for rotating machinery fault diagnosis based on detrended fluctuation analysis. Journal of Vibroengineering, 2016, 18, 5153-5173.	0.5	8
3233	Universality and Domain Specificity of Emotion-A Quantitative Non Linear EEG Based Approach. Journal of Neurology and Neuroscience, 2017, 08, .	0.4	3
3234	An Intelligent Mobile-Enabled System for Diagnosing Parkinson Disease: Development and Validation of a Speech Impairment Detection System. JMIR Medical Informatics, 2020, 8, e18689.	1.3	23
3235	Lamotrigine Therapy for Bipolar Depression: Analysis of Self-Reported Patient Data. JMIR Mental Health, 2018, 5, e63.	1.7	2
3236	Detection of mixed-culture growth in the total biomass data by wavelet transforms. Journal of Applied Research and Technology, 2010, 8, .	0.6	1
3237	Robust Estimation of the Scaling Exponent in Detrended Fluctuation Analysis of Beat Rate Variability. , 0, , .		1
3238	On the utility of the hurst exponent in predicting future crises. Corporate Ownership and Control, 2012, 10, 291-308.	0.5	5

#	ARTICLE	IF	CITATIONS
3239	Long-term analysis of air temperature trends in Central Asia. <i>Erdkunde</i> , 2007, 61, 186-202.	0.4	50
3240	FINANCIAL MARKET INTEGRATION OF ASEAN-5 WITH CHINA: AN ECONOPHYSICS APPROACH. , 2020, , .		3
3241	Multi-scale structure of tropical rainfall response to SST fluctuations. <i>Climate Research</i> , 2019, 78, 165-178.	0.4	2
3243	Survey and Analysis on the Internet Traffic Model. <i>Ruan Jian Xue Bao/Journal of Software</i> , 2011, 22, 115-131.	0.3	18
3244	PORTUGUESE STOCK MARKET: A LONG-MEMORY PROCESS?. <i>Business: Theory and Practice</i> , 2011, 12, 75-84.	0.8	4
3245	A Comprehensive Power Spectral Density Analysis of Astronomical Time Series. I. The Fermi-LAT Gamma-Ray Light Curves of Selected Blazars. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 1.	3.0	30
3246	Analysis of the Neutrality of Money for the US Economy. <i>Journal of Applied Sciences</i> , 2017, 17, 365-373.	0.1	5
3248	Dynamic effects and information quantifiers of statistical memory of MEG's signals at photosensitive epilepsy. <i>Mathematical Biosciences and Engineering</i> , 2009, 6, 189-206.	1.0	3
3249	The Impact of the COVID-19 Pandemic on Stock Markets. <i>International Journal of Entrepreneurship and Governance in Cognitive Cities</i> , 2020, 1, 57-70.	0.2	1
3250	Study of Extreme CO, NO ₂ and O ₃ Concentrations at a Traffic Site in Delhi: Statistical Persistence Analysis and Source Identification. <i>Aerosol and Air Quality Research</i> , 2013, 13, 377-384.	0.9	26
3251	Statistical Characteristics of Ambient PM _{2.5} Concentration at a Traffic Site in Delhi: Source Identification Using Persistence Analysis and Nonparametric Wind Regression. <i>Aerosol and Air Quality Research</i> , 2013, 13, 1768-1778.	0.9	14
3252	Multifractal Processes and Self-Organized Criticality of PM _{2.5} during a Typical Haze Period in Chengdu, China. <i>Aerosol and Air Quality Research</i> , 2015, 15, 926-934.	0.9	30
3253	Statistical and Probability Quantification of Hydrologic Dynamics in the Lake Tuscaloosa Watershed, Alabama, USA. <i>Journal of Geoscience and Environment Protection</i> , 2018, 06, 91-100.	0.2	1
3254	Extracting a seizure intensity index from one-channel EEG signal using bispectral and detrended fluctuation analysis. <i>Journal of Biomedical Science and Engineering</i> , 2010, 03, 253-261.	0.2	15
3255	Applications of Statistical Physics in Finance and Economics. , 2009, , .		22
3256	Wavelet analysis of the LF radio signals collected by the European VLF/LF network from July 2009 to April 2011. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	6
3257	Prediction of Cardiac Arrhythmia using Artificial Neural Network. <i>International Journal of Computer Applications</i> , 2015, 115, 30-35.	0.2	15
3260	Scaling regimes and linear/nonlinear responses of last millennium climate to volcanic and solar forcings. <i>Earth System Dynamics</i> , 2016, 7, 133-150.	2.7	40

#	ARTICLE	IF	CITATIONS
3264	Efficient Bayesian inference for natural time series using ARFIMA processes. <i>Nonlinear Processes in Geophysics</i> , 2015, 22, 679-700.	0.6	18
3269	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2013, , .	1.0	2
3270	Informational Efficiency and Interchange Transactions in Alberta's Electricity Market. <i>Energy Journal</i> , 2007, 28, 121-144.	0.9	6
3271	GENERALIZED APPROACH TO HURST EXPONENT ESTIMATING BY TIME SERIES. <i>Informatyka Automatyka Pomiaru W Gospodarce I Ochronie Środowiska</i> , 2018, 8, 28-31.	0.2	4
3273	Analysis of precipitation in Central Mexico: Trends, self-affinity and important frequencies. <i>International Journal of Physical Sciences</i> , 2012, 7, .	0.1	9
3274	Virtual laboratory of remote sensing time series: visualization of MODIS EVI2 data set over South America. <i>Journal of Computational Interdisciplinary Sciences</i> , 2011, 2, .	0.3	28
3275	The impact of estimation methods and data frequency on the results of long memory assessment. <i>Managerial Economics</i> , 2015, 16, 7.	0.1	1
3276	A valid method to compute the segment size in detrended fluctuation analysis. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2010, 59, 8986.	0.2	3
3277	Detrended fluctuation analysis of time series in mixed traffic flow. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 019502.	0.2	6
3278	Comparison of applications of different filter methods for de-noising detrended fluctuation analysis. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 029203.	0.2	9
3279	Extremely low temperature and its composite index based on stochastically re-sorting detrended fluctuation analysis. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 109203.	0.2	4
3280	Empirical study on scaling of human behaviors in e-commerce. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 028901.	0.2	2
3281	Performance evaluation of Chinese air temperature simulated by Beijing Climate Center Climate System Model on the basis of the long-range correlation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 209201.	0.2	10
3282	Performance evaluation of the simulated daily average temperature series in four seasons in China by Beijing Climate Center climate system model. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 049201.	0.2	7
3283	Fractal property of sea clutter FRFT spectrum for small target detection. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 110502.	0.2	7
3284	Application of nonlinear dynamical methods in abrupt climate change detection. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 179201.	0.2	4
3285	Classification of low-density EEG for epileptic seizures by energy and fractal features based on EMD. <i>Journal of Biomedical Research</i> , 2020, 34, 180.	0.7	27
3286	Ecosystem antifragility: beyond integrity and resilience. <i>PeerJ</i> , 2020, 8, e8533.	0.9	18

#	ARTICLE	IF	CITATIONS
3287	Multifractal Analysis Revisited by the Continuous Wavelet Transform Applied in Lithofacies Segmentation from Well-Logs Data. International Journal of Applied Physics and Mathematics, 2011, , 10-18.	0.3	22
3288	Dynamic Connectivity in a Financial Network Using Time-Varying DCCA Correlation Coefficients. Econometric Research in Finance, 2021, 6, 57-75.	0.5	3
3289	Using Surface Electromyographic Signal to Assess Fractal Dimension from Biceps Brachii Muscle based on Different Elbow Joint Angles. , 2021, , .		0
3290	Morphology and multifractal features of a guyot in specific topographic vicinity in the Caroline Ridge, West Pacific. Journal of Oceanology and Limnology, 2021, 39, 1591-1604.	0.6	2
3291	The effect of age on the heart rate variability of healthy subjects. PLoS ONE, 2021, 16, e0255894.	1.1	36
3292	pyActigraphy: Open-source python package for actigraphy data visualization and analysis. PLoS Computational Biology, 2021, 17, e1009514.	1.5	25
3293	Non-Linear Impact of Chinese Treasury Bond Futures on the Information Content of IRS. Fluctuation and Noise Letters, 2021, 20, .	1.0	4
3294	Spatiotemporal trends of temperature extremes in Bangladesh under changing climate using multi-statistical techniques. Theoretical and Applied Climatology, 2022, 147, 307-324.	1.3	18
3295	Asymmetric multifractal behaviour and network connectedness between socially responsible stocks and international oil before and during COVID-19. Physica A: Statistical Mechanics and Its Applications, 2022, 587, 126489.	1.2	10
3296	A Cooperative Dynamic Approach to Pairs Trading. Complexity, 2021, 2021, 1-8.	0.9	0
3297	Price fluctuations and Market Activity. , 2002, , 12-17.		0
3298	Long memory and regime shifts in asset volatility. Wilmott Magazine, 2003, 2003, 78-82.	0.1	0
3299	Distributions and Long-Range Correlations in the Trading of US Stocks. , 2004, , 51-57.		0
3300	Statistical Properties of Commodity Price Fluctuations. , 2004, , 192-197.		1
3301	Models of Genome Evolution. Natural Computing Series, 2004, , 287-304.	2.2	3
3302	Some Statistical Physics Approaches for Trends and Predictions in Meteorology. , 2004, , 313-330.		0
3303	Power-Law Persistence in the Atmosphere: An Ideal Test Bed for Climate Models. , 2004, , .		2
3304	A Theory for Long-Memory in Supply and Demand. SSRN Electronic Journal, 0, , .	0.4	6

#	ARTICLE	IF	CITATIONS
3306	Nonuniform scaling behavior in ultralow-frequency geomagnetic data in relationship with seismicity. , 2007, , .		0
3307	Nuevos métodos de análisis de la Variabilidad de la Frecuencia Cardíaca. IFMBE Proceedings, 2007, , 1182-1185.	0.2	0
3308	The Non-Random Walk of Stock Prices: The Long-Term Correlation between Signs and Sizes. SSRN Electronic Journal, 0, , .	0.4	0
3310	Risk Stratification in Ischemic Heart Failure Patients with Linear and Nonlinear Methods of Heart Rate Variability Analysis. IFMBE Proceedings, 2009, , 1-4.	0.2	0
3311	Correlations in Complex Systems. , 2009, , 1615-1634.		1
3312	Dynamics of Long-Term Activities in Single Neuronal Cell. Seibutsu Butsuri, 2009, 49, 304-305.	0.0	0
3313	Measurement and Analysis of Self-similarity for Chaotic Dynamics. Advances in Intelligent and Soft Computing, 2009, , 829-837.	0.2	0
3314	Discovery of Structures and Processes in Temporal Data. Advances in Spatial Science, 2010, , 277-319.	0.3	0
3315	Fractal analysis of time series in epidemiology: Is there information hidden in the noise?. Norsk Epidemiologi, 2009, 13, .	0.2	1
3317	Temporal Structure of Volatility Fluctuations. , 2010, , 65-77.		0
3318	MODELING COMPLEXITY OF PHYSIOLOGICAL TIME SERIES IN-SILICO. , 2010, , .		0
3321	Macroscopic Spatial Complexity of the Game of Life Cellular Automaton: A Simple Data Analysis. , 2010, , 437-450.		0
3322	Efficiency, Persistence and Predictability of Central European Stock Markets. , 2010, , 98-118.		1
3323	Open Source Software Systems. , 2010, , 439-459.		0
3324	Statistical Properties of Fluctuations: A Method to Check Market Behavior. New Economic Windows, 2010, , 110-118.	1.0	0
3325	Local Hurst Exponent Indicator to Sell the Abruptly Rising Stock. Korean Journal of Financial Engineering, 2010, 9, 149-165.	0.1	0
3326	Open Source Software Systems. International Journal of Open Source Software and Processes, 2010, 2, 28-47.	0.5	0
3327	Network traffic characterization based on Time Series Analysis and Computational Intelligence.. Journal of Computational Interdisciplinary Sciences, 2011, 2, .	0.3	3

#	ARTICLE	IF	CITATIONS
3328	Stochastically re-sorting detrended fluctuation analysis: a new method to define the threshold of extreme event. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 109202.	0.2	5
3329	Dynamics of Urban Fire Correlations with Detrended Fluctuation Analysis. <i>Journal of Risk Analysis and Crisis Response (JRACR)</i> , 2011, 1, 126.	0.1	1
3330	Spectral analysis of long noncoding RNAs. , 2011, , .		0
3332	Detrended fluctuation analysis of significant wave height time series. , 2011, , .		1
3333	Extreme Events in Nature – A Challenge for the Understanding of Complex Dynamics. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2011, , 271-283.	0.0	0
3334	The empirical properties of some popular estimators of long memory processes. , 0, , .		3
3335	Fractals in Biology. , 2012, , 488-511.		1
3336	Stochastic Properties of Solar Activity Proxies. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 227-232.	0.3	0
3337	FractalsFractal and WaveletsWavelets : What Can We Learn on Transcription and Replication from Wavelet-Based Multifractal AnalysisMultifractal analysis of DNA SequencesDNA sequence ?. , 2012, , 606-636.		0
3338	MEMORY IN FINANCIAL TIME SERIES: FROM INVESTOR BEHAVIOR TO ARTIFICIAL NEURAL NETWORKS. , 2012, , .		0
3339	On the Application of the SDLE to the Analysis of Complex Time Series. , 2013, , 211-231.		0
3340	Visual Experience for Recognising Human Activities. <i>Communications in Computer and Information Science</i> , 2013, , 173-185.	0.4	1
3341	Towards a Deeper Understanding of the Complex Behaviour Observed in the Distribution of Words in Written Texts. <i>Springer Proceedings in Complexity</i> , 2013, , 241-249.	0.2	1
3342	Long-Range Dependence and ARFIMA Models. <i>SpringerBriefs in Statistics</i> , 2013, , 7-10.	0.3	0
3343	Modeling the Financial Market. , 2013, , 163-235.		2
3344	Ultrasound Signal Reveals Microstructure. <i>Physics Magazine</i> , 0, 6, .	0.1	0
3345	Hadoop. TS: Large-Scale Time-Series Processing. <i>International Journal of Computer Applications</i> , 2013, 74, 1-8.	0.2	6
3347	Analysis of Electroencephalogram Signals in Different Sleep Stages using Detrended Fluctuation Analysis. <i>International Journal of Image Graphics and Signal Processing</i> , 2013, 5, 49-55.	0.8	0

#	ARTICLE	IF	CITATIONS
3348	Multifractal analysis of wind farm power output. , 0, , .		1
3350	Regression I. Atmospheric and Oceanographic Sciences Library, 2014, , 107-167.	0.1	0
3351	Online Performance Measures for Metaheuristic Optimization. Lecture Notes in Computer Science, 2014, , 169-182.	1.0	1
3352	Persistence Models. Atmospheric and Oceanographic Sciences Library, 2014, , 31-60.	0.1	0
3353	Investigating the long memory property of the Hungarian market pig prices by using detrended fluctuation analys. Journal of Agricultural Informatics, 2013, 4, .	0.2	2
3355	Fractal Analysis of DNA by Nonlinear Genome Signal Processing for Exon and Intron Separation. Annual Research & Review in Biology, 2014, 4, 699-708.	0.4	0
3357	Detrended Fluctuation Analysis Based on the Affective ECG. Journal of Fiber Bioengineering and Informatics, 2014, 7, 91-102.	0.2	1
3358	Analysis of random uncertainties of heart rate variability. Vestnik of Samara University: Aerospace and Mechanical Engineering, 2014, , 93.	0.0	0
3359	Fractal Structure of the Stock Markets of Leading Asian Countries. East Asian Economic Review, 2014, 18, 367-394.	0.3	0
3360	å®%å®šã•ãēŸ”è»Ÿã*ãf'ãf^ç'ç««å\$žå«çã®çŸçµCEã^ŧã¾4jã»®èª¬. Journal of the Society of Biomechanisms, 2015, 39, 185-195.		0
3361	US Inflation Dynamics on Long Range Data. SSRN Electronic Journal, 0, , .	0.4	0
3362	A New Improved Feature Extraction Method in Memory EEG Data. , 2015, , .		0
3363	Detrended Fluctuation Analysis of Acupuncture based on Neural Electrical Signals. , 0, , .		0
3364	Agent-Based Mapping of Credit Risk for Sustainable Microfinance. SSRN Electronic Journal, 0, , .	0.4	0
3366	Application of Multi-Fractal Detrended Fluctuation Analysis. , 0, , .		0
3367	Damped Oscillatory Behaviors in the Ratios of Stock Market Indices. Springer Proceedings in Complexity, 2015, , 51-62.	0.2	1
3368	Examples, Applications and Related Issues. Springer Theses, 2015, , 83-111.	0.0	0
3369	Detection of significant external trend in long-term air temperature records. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 029201.	0.2	0

#	ARTICLE	IF	CITATIONS
3370	Medidas dinámicas de predictibilidad en el Índice S&P 500 y sus determinantes. Innovar, 2015, 25, 69-82.	0.1	0
3372	COMPARAÇÃO ENTRE MODELOS ESTATÍSTICOS APLICADOS À ANÁLISE DE VIBRAÇÕES EM TURBINAS EÓLICAS DE PEQUENO PORTE. , 0, , .		0
3373	Techniques for multifractal spectrum estimation in financial time series. International Journal of Design and Nature and Ecodynamics, 2015, 10, 261-266.	0.3	1
3375	A Non-Equilibrium Formulation of Food Security Resilience. SSRN Electronic Journal, 0, , .	0.4	0
3376	Multifractal Analysis of Fatigue Failure. Materials Forming, Machining and Tribology, 2016, , 179-221.	0.7	0
3377	Fractals in Neuroimaging. Springer Series in Computational Neuroscience, 2016, , 295-309.	0.3	1
3378	Hypotheses Testing on Meteorological Time Series. Intelligent Systems Reference Library, 2016, , 1-49.	1.0	0
3379	Fractal Analysis of the Cerebrovascular System Physiopathology. Springer Series in Computational Neuroscience, 2016, , 251-262.	0.3	1
3381	Long-Term Memory and Multifractality of Downwelling Longwave Flux at Stations Worldwide. Springer Atmospheric Sciences, 2017, , 1193-1198.	0.4	1
3382	3. Scaling Geocomplexity and Remote Sensing. , 2016, , 41-94.		0
3383	Application of moving cut data-wavelet transformation analysis in dynamic structure mutation testing. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 079201.	0.2	0
3384	Taxi, Takeoff and Landing: Behavioural Patterns of Capital Flows to Emerging Markets. SSRN Electronic Journal, 0, , .	0.4	0
3385	The Transcutaneous Vagus Nerve Stimulation Output of the NuCalm Device of Solace Lifesciences Is Found to Be a Multifractal and Therefore It Is Indicated in the Treatment of Heart Rate Variability in the Dysfunction of Autonomic Nervous System in Anxiety, Depression and Stress. Journal of Behavioral and Brain Science, 2017, 07, 532-543.	0.2	0
3386	Studying the Oscillatory Components of Human Skin Microcirculation. , 2017, , 569-582.		1
3387	The study on the parallel processing based time series correlation analysis of RBC membrane flickering in quantitative phase imaging. , 2017, , .		0
3388	Análisis de la evaporación y cambio climático en el centro de México. Nova Scientia, 2017, 9, 76.	0.0	1
3390	Seismic denoising using thresholded adaptive signal decomposition. , 2017, , .		0
3391	Nonlinear Effects of Winter Swimming and Sauna Recreational Activities on the Heart Rate Variability. , 0, , .		0

#	ARTICLE	IF	CITATIONS
3392	Non Linear Techniques for Studying Complex Systems. Signals and Communication Technology, 2018, , 21-48.	0.4	1
3393	Genesis of Universality of Music: Effect of Cross Cultural Instrumental Clips. Signals and Communication Technology, 2018, , 117-143.	0.4	0
3394	Short- and Long-Range Correlations in Beat Rate Variability of Human Pluripotent-Stem-Cell-Derived Cardiomyocytes. , 0, , .		1
3395	EEG Multi-fractal De-trended Fluctuation Mental Stress Analysis. Lecture Notes in Electrical Engineering, 2018, , 81-93.	0.3	2
3397	Asymmetric Multifractal Detrended Cross-Correlation Analysis (MF-ADCCA). , 2018, , 113-127.		0
3398	Long Memory Methods and Comparative Analysis. , 2018, , 7-20.		0
3399	Asymmetric Multifractal Detrended Fluctuation Analysis (A-MFDFA). , 2018, , 79-111.		0
3400	The Comparative Dynamics of Developed and Emerging Stock Markets: A Long Memory Perspective. Theoretical Economics Letters, 2018, 08, 1493-1509.	0.2	4
3401	Characterization of vascular dynamics based on experimental recordings with extreme data loss. , 2018, , .		0
3402	Detection of EEG-patterns associated with real and imaginary movements using detrended fluctuation analysis. , 2018, , .		0
3403	Application of wavelet based MFDFA on Mueller matrix images for cervical pre-cancer detection. , 2018, , .		5
3404	Analysis of cerebral vessels dynamics using experimental data with missed segments. , 2018, , .		1
3406	Characterization of Neural Signals in Preclinical Studies of Neural Plasticity Using Nonlinear Time Series Analysis. PoliTO Springer Series, 2019, , 33-52.	0.3	0
3407	Long-term memory in Euronext stock indexes returns: an econophysics approach. Business and Economic Horizons, 2018, 14, 862-881.	0.4	2
3408	Estimation of the Hurst Exponent in Time Series of Daily Returns of Stock Indices. Politicka Ekonomie, 2018, 66, 508-524.	0.1	2
3409	Evaluation of Musical Quality of Tanpura by Non Linear Analysis. Signals and Communication Technology, 2019, , 133-149.	0.4	1
3410	Constraints on Joint Degrees of Freedom Affect Human Postural Dynamics: A Pilot Study. Lecture Notes in Computer Science, 2019, , 447-460.	1.0	1
3411	Diagnosing Huntingtonâ€™s Disease Through Gait Dynamics. Lecture Notes in Computer Science, 2019, , 504-515.	1.0	0

#	ARTICLE	IF	CITATIONS
3412	INFRASTRUCTURE DETERIORATION PROCESS MODELING BY TIME-SERIES DATA WITH LONG MEMORY. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2019, 75, 233-249.	0.0	0
3413	Multi-Fractal Characteristics of Daily Runoff Series of Weihe River Watershed. Journal of Water Resource and Protection, 2019, 11, 1146-1160.	0.3	1
3414	Long-Term Correlation and Evolution Law of Temperature in Eastern China in the Past 100 Years. Climate Change Research Letters, 2019, 08, 516-524.	0.0	0
3415	Long Memory in the Indonesia Stock Exchange. Indonesian Capital Market Review, 2019, 10, .	0.1	0
3416	Separation between real and imaginary movements from multichannel EEG signals. , 2019, , .		0
3417	ANÁLISE DA MEMÓRIA DE LONGO ALCANCE NO PROCESSO CINÉTICO DO CANAL IÔNICO FORMADO POR GRAMICIDINA A. , 0, , .		0
3418	Alternative Indexes. Studies in Systems, Decision and Control, 2020, , 95-117.	0.8	0
3420	Self-Affinity of an Aircraft Pilot's Gaze Direction as a Marker of Visual Tunneling. , 0, , .		3
3421	COMPORTAMENTO DE ESCALA DA VELOCIDADE DO VENTO E DEMAIS VARIÁVEIS METEOROLÓGICAS PRÓXIMOS DA SUPERFÍCIE DO MAR NA COSTA DE SALVADOR-BA. , 0, , .		0
3424	Correlation Structures of PM2.5 Concentration Series in the Korean Peninsula. Applied Sciences (Switzerland), 2019, 9, 5441.	1.3	0
3425	Time Evolution of Hurst Exponent: Czech Wholesale Electricity Market Study. European Financial and Accounting Journal, 2019, 14, 25-44.	0.4	0
3426	COVID-19 Impact on Cryptocurrencies: Evidence from a Wavelet-Based Hurst Exponent. SSRN Electronic Journal, 0, , .	0.4	1
3429	Statistical characteristics of price impact in high-frequency trading. Studies in Nonlinear Dynamics and Econometrics, 2021, 25, 19-34.	0.2	0
3430	Nonlinear Dynamics Methods for Analysis of ECG Signals. , 2020, , .		1
3431	A new approach to correct the overestimated persistence in tree-ring width based precipitation reconstructions. Climate Dynamics, 0, , 1.	1.7	3
3432	TEMPORAL AND FRACTAL BEHAVIOR OF THE CENTER OF PRESSURE IN PARKINSONIAN AND HEALTHY ELDERLY COHORTS DURING QUIET STANDING. Journal of Mechanics in Medicine and Biology, 2020, 20, 2040036.	0.3	0
3433	HOW LONG IS THE MEMORY OF THE REGION LAC STOCK MARKET?. Balkans Journal of Emerging Trends in Social Sciences, 2020, 3, 131-137.	0.0	0
3434	Evaluation of performance fatigability through surface EMG in health and muscle disease: state of the art. Arab Journal of Basic and Applied Sciences, 2021, 28, 21-40.	1.0	5

#	ARTICLE	IF	CITATIONS
3435	Analyzing the Impact of COVID-19 on the Cross-Correlations between Financial Search Engine Data and Movie Box Office. Fluctuation and Noise Letters, 2021, 20, 2150021.	1.0	1
3436	Detection of oriented fractal scaling components in anisotropic two-dimensional trajectories. Scientific Reports, 2020, 10, 21892.	1.6	4
3437	Fixational Eye Movements. , 2021, , 17-39.		0
3438	Multifractal Fluctuation Analysis of Correlations Between the Sector Stock Markets in China and the US. Fluctuation and Noise Letters, 2021, 20, 2150031.	1.0	8
3439	2D-DFA as a tool for non-destructive characterisation of copper surface exposed to substitute ocean water. Physica A: Statistical Mechanics and Its Applications, 2022, 586, 126490.	1.2	2
3440	Physiologic systems dynamics, coupling and network interactions across the sleep-wake cycle. , 2022, , 59-100.		1
3441	Order flow in the financial markets from the perspective of the Fractional Lévy stable motion. Communications in Nonlinear Science and Numerical Simulation, 2022, 105, 106087.	1.7	5
3442	Testing stationarity of the detrended price return in stock markets. Physica A: Statistical Mechanics and Its Applications, 2022, 587, 126487.	1.2	6
3443	Elongated Self-propelled Particles Roaming a Closed Arena Present Financial Stylized Facts. Springer Proceedings in Physics, 2020, , 421-427.	0.1	0
3444	A Short-term ECG Signal Classification Method Based on Residual Network and Bi-directional LSTM. , 2019, , .		1
3445	Augmented: Academic Performance Prediction Based on Digital Campus. Advances in Analytics for Learning and Teaching, 2020, , 193-207.	0.5	0
3446	The Quantitative "Universal" Label and the Universal Distribution Function for Relative Fluctuations. Qualitative Description of Trendless Random Functions. , 2020, , 141-206.		0
3447	The Statistics of Fractional Moments and its Application for Quantitative Reading of Real Data. , 2020, , 87-139.		0
3448	Fractal similarities between the distribution of primes and nucleotides in DNA. Proceedings of the Institute of Mathematics and Mechanics, 2020, 2, 360-393.	0.3	0
3449	Multifractal analysis of low coherence spectra for oral cancer detection. , 2020, , .		1
3451	Heterogeneity in economic relationships: Scale dependence through the multivariate fractal regression. Physica A: Statistical Mechanics and Its Applications, 2022, 588, 126530.	1.2	6
3452	Multiscale Multifractal Detrended Fluctuation Analysis and Trend Identification of Liquidity in the China's Stock Markets. Computational Economics, 2023, 61, 487-511.	1.5	2
3453	Long-Range Dependence and Multifractality of Ship Flow Sequences in Container Ports: A Comparison of Shanghai, Singapore, and Rotterdam. Applied Sciences (Switzerland), 2021, 11, 10378.	1.3	1

#	ARTICLE	IF	CITATIONS
3455	A Novel Method to Stimulate Lymphatic Clearance of Beta-Amyloid from Mouse Brain Using Noninvasive Music-Induced Opening of the Blood-Brain Barrier with EEG Markers. Applied Sciences (Switzerland), 2021, 11, 10287.	1.3	3
3457	Long memory investigation during demonetization in India. Investment Management and Financial Innovations, 2020, 17, 297-307.	0.6	0
3458	The Role of Self-Similarity for Computer Aided Detection Based on Mammogram Analysis. Advances in Medical Technologies and Clinical Practice Book Series, 0, , 181-199.	0.3	0
3459	Random Matrix Approach to Fluctuations and Scaling in Complex Systems. , 2006, , 192-200.		0
3460	Scaling Laws in Stock Markets. An Analysis of Prices and Volumes. , 2008, , 35-42.		1
3462	Statistics of Return Intervals and Extreme Events in Long-term Correlated Time Series. , 2007, , 339-367.		1
3463	Spring onset forecast using harmonic analysis on daily mean temperature in Germany. Environmental Research Letters, 2020, 15, 104069.	2.2	3
3464	Use of the Fractal Analysis of Non-stationary Time Series in Mobile Foreign Exchange Trading for M-Learning. Advances in Intelligent Systems and Computing, 2021, , 950-961.	0.5	2
3465	Fraktal EÄYimden ArÄ±ndÄ±rÄ±mÄ±ÅY DalgalarÄ±k Analizi ve Pencerele Kare OrtalamanÄ±n KarekÄ±rÄ± TabanÄ± FMG SÄ±nÄ±flandÄ±rma. FÄ±rat Äceniversitesi MÄ±hendislik Bilimleri Dergisi, 0, , 359-368.	0.2	2
3466	Long-term persistence in discharge time series of mountainous catchments in the Elbe River basin. Proceedings of the International Association of Hydrological Sciences, 0, 383, 135-140.	1.0	4
3467	Probing resonance states in high-energy interaction: a novel approach using complex network technique based on symmetry scaling. European Physical Journal A, 2020, 56, 1.	1.0	15
3468	Dynamics of transposable elements generates structure and symmetries in genetic sequences. Physical Review Research, 2020, 2, .	1.3	0
3469	Nonparametric time series summary statistics for high-frequency accelerometry data from individuals with advanced dementia. PLoS ONE, 2020, 15, e0239368.	1.1	4
3471	Applications of statistical physics to study climate phenomena and contribute to overall adaptation efforts(a). Europhysics Letters, 2020, 132, 20004.	0.7	1
3472	Power-Law Cross-Correlations: Issues, Solutions and Future Challenges. Springer Proceedings in Complexity, 2021, , 43-54.	0.2	0
3474	A Minimal Noise Trader Model with Realistic Time Series Properties. , 2007, , 345-361.		1
3475	Test-retest consistency of a postural sway assessment protocol for adolescent athletes measured with a force plate. International Journal of Sports Physical Therapy, 2013, 8, 741-8.	0.5	20
3476	Affective Visual Stimuli: Characterization of the Picture Sequences Impacts by Means of Nonlinear Approaches. Basic and Clinical Neuroscience, 2015, 6, 209-22.	0.3	7

#	ARTICLE	IF	CITATIONS
3495	Multifractal Detrended Multiple Fluctuation Analysis of Multivariate Time Series. SSRN Electronic Journal, 0, , .	0.4	0
3496	Multifractal Analysis of Turbulent Thermoacoustic Systems. Springer Series in Synergetics, 2021, , 285-328.	0.2	0
3498	Is the hemispheric asymmetry of sunspot cycle caused by an irregular process with long-term memory?. Monthly Notices of the Royal Astronomical Society, 2022, 511, 472-479.	1.6	11
3499	Detecting multifractality and exposing distributions of local fluctuations: Detrended fluctuation analysis with descriptive statistics pooling. Chaos, Solitons and Fractals, 2022, 155, 111678.	2.5	2
3500	A fractal scaling analysis of the SARS-CoV-2 genome sequence. Biomedical Signal Processing and Control, 2022, 73, 103433.	3.5	4
3501	Detrended multiple moving average cross-correlation analysis and its application in the correlation measurement of stock market in Shanghai, Shenzhen, and Hong Kong. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126760.	1.2	3
3502	The structure of the South African stock market network during COVID-19 hard lockdown. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126770.	1.2	5
3503	MFDFA: Efficient multifractal detrended fluctuation analysis in python. Computer Physics Communications, 2022, 273, 108254.	3.0	21
3504	A matrix approach to get the variance of the square of the fluctuation function of the DFA. , 2022, 122, 103346.		0
3505	Multifractal Parameters for Classification of Hyperspectral Data. , 2020, , .		1
3506	Calculating Hurst Exponent with the Use of the Siroky Method in Developed and Emerging Markets. Finance I Prawo Finansowe, 2020, 3, 25-61.	0.1	1
3507	Bayesian Machine Learning for the Prognosis of Combustion Instabilities From Noise. , 2020, , .		1
3508	Efficiency of Asean-5 Markets: An Detrended Fluctuation Analysis. Mednarodno Inovativno Poslovanje = Journal of Innovative Business and Management, 2020, 12, 13-19.	0.1	0
3509	Multiscale Fractal Analysis on EEG Signals for Music-Induced Emotion Recognition. , 2021, , .		6
3510	Hybrid Neuro-Fractal Analysis of ECG Signal to Predict Ischemia. , 2021, , .		2
3511	Heart Rate Detection Technology for Video Image and Its Application in Postoperative Evaluation of Free Skin Flap Surgery. , 2021, , .		0
3512	Phase synchronization and measure of criticality in a network of neural mass models. Scientific Reports, 2022, 12, 1319.	1.6	9
3513	Permutation entropy and statistical analysis of the historical evolution of the Mexican stock market index. International Journal of Modern Physics C, 0, , .	0.8	0

#	ARTICLE	IF	CITATIONS
3514	Health condition monitoring of bearings based on multifractal spectrum feature with modified empirical mode decomposition-multifractal detrended fluctuation analysis. Structural Health Monitoring, 2022, 21, 2618-2640.	4.3	13
3515	Ensemble Approach for Detection of Depression Using EEG Features. Entropy, 2022, 24, 211.	1.1	19
3516	Multifractality during upside/downside trends in the MENA stock markets: the effects of the global financial crisis, oil crash and COVID-19 pandemic. International Journal of Emerging Markets, 2023, 18, 4408-4435.	1.3	12
3517	Economic importance of correlations for energy and other commodities. Energy Economics, 2022, 107, 105854.	5.6	5
3518	Time Evolution of Market Efficiency and Multifractality of the Japanese Stock Market. Journal of Risk and Financial Management, 2022, 15, 31.	1.1	4
3519	Stock market efficiency: An intraday case of study about the G-20 group. Heliyon, 2022, 8, e08808.	1.4	11
3520	Multifractal characteristics of the low latitude equatorial ionospheric E&F valley region irregularities. Chaos, Solitons and Fractals, 2022, 156, 111808.	2.5	1
3521	Monitoring of cane sugar crystallization process by multiscale time-series analysis. Chaos, Solitons and Fractals, 2022, 156, 111848.	2.5	3
3522	Hyperspectral redundancy detection and modeling with local Hurst exponent. Physica A: Statistical Mechanics and Its Applications, 2022, 592, 126830.	1.2	3
3523	Nonlinear analysis of economic policy uncertainty: Based on the data in China, the US and the global. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126897.	1.2	10
3524	Chaoticity versus stochasticity in financial markets: Are daily S&P 500 return dynamics chaotic?. Communications in Nonlinear Science and Numerical Simulation, 2022, 108, 106218.	1.7	13
3525	Phase and Amplitude Synchronization in Power-Grid Frequency Fluctuations in the Nordic Grid. IEEE Access, 2022, 10, 18065-18073.	2.6	5
3526	EXAMINING THE FRACTAL MARKET HYPOTHESIS CONSIDERING DAILY AND HIGH FREQUENCY FOR CRYPTOCURRENCY ASSETS. Fractals, 2022, 30, .	1.8	5
3527	DMCx2: A New Approach to Measure Contagion Effect on Financial Crisis. Fluctuation and Noise Letters, 2022, 21, .	1.0	2
3528	Market impact shapes competitive advantage of investment strategies in financial markets. PLoS ONE, 2022, 17, e0260373.	1.1	1
3529	Asymmetric multifractality in China's energy market based on improved asymmetric multifractal cross-correlation analysis. Physica A: Statistical Mechanics and Its Applications, 2022, 594, 127027.	1.2	6
3530	COVID-19 and credit risk: A long memory perspective. Insurance: Mathematics and Economics, 2022, 104, 15-34.	0.7	6
3532	Cryptocurrency Market Consolidation in 2020&2021. Entropy, 2021, 23, 1674.	1.1	28

#	ARTICLE	IF	CITATIONS
3533	A Blind Source Separation Method Using Denoising Strategy Based on ICEEMDAN and Improved Wavelet Threshold. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-9.	0.6	1
3534	Multifractal analysis of social media use in financial markets. <i>Journal of the Korean Physical Society</i> , 2022, 80, 526-532.	0.3	3
3535	Long-Range Correlations and Natural Time Series Analyses from Acoustic Emission Signals. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1980.	1.3	10
3536	Efficiency and Long-Range Correlation in G-20 Stock Indexes: A Sliding Windows Approach. <i>Fluctuation and Noise Letters</i> , 2022, 21, .	1.0	8
3537	A novel Bayesian approach to estimate long memory parameter. <i>Journal of Statistical Computation and Simulation</i> , 2022, 92, 1078-1091.	0.7	3
3538	Obtaining more appropriate temperature sensor locations for thermal error modeling: reduction, classification, and selection. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 5175-5192.	1.5	2
3539	An EEG-Based Neuromarketing Approach for Analyzing the Preference of an Electric Car. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-19.	1.1	10
3540	Monofractal analysis of functional magnetic resonance imaging: An introductory review. <i>Human Brain Mapping</i> , 2022, 43, 2693-2706.	1.9	13
3541	Evaluation of nonlinear dynamic patterns of extreme precipitation and temperatures in central England during 1931â€“2019. <i>Journal of Water and Climate Change</i> , 2022, 13, 1657-1672.	1.2	3
3542	Alterations in Muscle Force Control With Aging: Is There a Modulatory Effect of Lifelong Physical Activity?. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 817770.	0.9	9
3543	Real-Time Algorithm for Detrended Cross-Correlation Analysis of Long-Range Coupled Processes. <i>Frontiers in Physiology</i> , 2022, 13, 817268.	1.3	7
3544	Statistical inference of one-dimensional persistent nonlinear time series and application to predictions. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
3545	Market-based versus bank-based financial structure in China: From the perspective of financial risk. <i>Structural Change and Economic Dynamics</i> , 2022, 62, 24-39.	2.1	6
3546	Phase transitions detected in complex time series by multifractal detrended fluctuation analysis. <i>International Journal of Modern Physics B</i> , 0, , .	1.0	0
3547	Multi-affine visible height correlation analysis for revealing rich structures of fractal time series. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111893.	2.5	3
3548	Persistence in complex systems. <i>Physics Reports</i> , 2022, 957, 1-73.	10.3	24
3549	Beyond randomness: Evaluating measures of information entropy in binary series. <i>Physical Review E</i> , 2022, 105, 044101.	0.8	1
3550	Extended detrended cross-correlation analysis of nonstationary processes. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111972.	2.5	3

#	ARTICLE	IF	CITATIONS
3551	Complexity and Persistence of Price Time Series of the European Electricity Spot Market. , 2022, 1, .		10
3552	Numerical Investigation of Sediment Yield Underestimation in Supply Limited Mountain Basins With Short Records. Geophysical Research Letters, 2022, 49, .	1.5	0
3553	Practical control performance assessment method using Hurst exponents and crossover phenomena. Computers and Chemical Engineering, 2022, 161, 107774.	2.0	6
3554	Comparative Analysis of Fractal Properties of Solar Faculae. International Journal of Economic and Environment Geology, 2021, 12, 50-59.	0.2	0
3555	Time-Averaged Statistics-Based Methods for Anomalous Diffusive Exponent Estimation of Fractional Brownian Motion. Applied Condition Monitoring, 2022, , 1-18.	0.4	0
3556	Neurotechnology and AI Approach for Early Dementia Onset Biomarker from EEG in Emotional Stimulus Evaluation Task. , 2021, 2021, 6675-6678.		6
3557	DETRENDED FLUCTUATION ANALYSIS OF THREE-DIMENSIONAL DATA: APPLICATION TO SOIL X-RAY CT SCANS. Fractals, 2022, 30, .	1.8	1
3558	Price efficiency and safe-haven property of Bitcoin in relation to stocks in the pandemic era. Studies in Economics and Finance, 2021, ahead-of-print, .	1.2	2
3559	Detection of anthropogenically driven trends in Arctic amplification. Climatic Change, 2021, 169, 1.	1.7	2
3560	Nonlinear EEG analysis of mindfulness training using interpretable machine learning. , 2021, , .		6
3561	LONG RANGE CORRELATIONS OF OFFSHORE WIND SPEED ON CONTINENTAL PLATFORMS IN THE AMERICAS. , 0, , .		0
3562	Toward automated extraction and characterization of scaling regions in dynamical systems. Chaos, 2021, 31, 123102.	1.0	4
3563	On the Validity of Detrended Fluctuation Analysis at Short Scales. Entropy, 2022, 24, 61.	1.1	7
3564	Characteristics of Spatiotemporal Changes in the Occurrence of Forest Fires. Remote Sensing, 2021, 13, 4940.	1.8	7
3565	Correlation Analysis in Wind Speed and Solar Insolation temporal series in Indian locations. , 2021, , .		0
3566	The Optimal Bandwidth Parameter Selection in GPH Estimation. Journal of Mathematics, 2021, 2021, 1-11.	0.5	2
3567	DCCA Enhanced Forced Oscillation Frequency Detection Using Real-world PMU Data. , 2022, , .		0
3568	Memory Behaviors of Air Pollutions and Their Spatial Patterns in China. Frontiers in Physics, 2022, 10, .	1.0	2

#	ARTICLE	IF	CITATIONS
3569	Ergodic descriptors of non-ergodic stochastic processes. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220095.	1.5	10
3570	Multifractal risk measures by Macroeconophysics perspective: The case of Brazilian inflation dynamics. <i>Chaos, Solitons and Fractals</i> , 2022, 158, 112052.	2.5	16
3587	Asymmetric Multifractal Cross-Correlations Between Economic Policy Uncertainty and Agricultural Futures Prices. <i>Fluctuation and Noise Letters</i> , 0, , .	1.0	4
3588	Exploring the association between anomalies and multifractality variations in river flow time series. <i>Hydrological Sciences Journal</i> , 2022, 67, 1084-1095.	1.2	5
3589	Robustness of Detrended Cross-correlation Analysis Method Under Outliers Observations. <i>Fluctuation and Noise Letters</i> , 0, , .	1.0	0
3590	On the Autocorrelation Function of 1/f Noises. <i>Mathematics</i> , 2022, 10, 1416.	1.1	4
3591	The geometry of domain-general performance monitoring in the human medial frontal cortex. <i>Science</i> , 2022, 376, eabm9922.	6.0	41
3592	The influence of rainfall time series fractality on forecasting modelsâ€™ efficiency. <i>Acta Geophysica</i> , 2022, 70, 1349-1361.	1.0	2
3593	Comparison of Price-Volume Correlation for Some Cryptocurrencies Based on MF-ADCCA. <i>Fluctuation and Noise Letters</i> , 2022, 21, .	1.0	2
3594	Variability and Complexity of Knee Neuromuscular Control during an Isometric Task in Uninjured Physically Active Adults: A Secondary Analysis Exploring Right/Left and Dominant/Nondominant Asymmetry. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4762.	1.3	3
3595	Comparative multifractal analysis of methane gas concentration time series in India and regions within India. <i>Proceedings of the Indian National Science Academy</i> , 0, , .	0.5	0
3596	Application of Multifractal Analysis in Estimating the Reaction of Energy Markets to Geopolitical Acts and Threats. <i>Sustainability</i> , 2022, 14, 5828.	1.6	13
3597	Examining the efficiency and herding behavior of commodity markets using multifractal detrended fluctuation analysis. Empirical evidence from energy, agriculture, and metal markets. <i>Resources Policy</i> , 2022, 77, 102715.	4.2	10
3598	Convergence investigation of multifractal analysis based on L^p -norm constraint. <i>Fractals</i> , 0, , .	1.8	1
3599	Fractal Dimension Analysis of Earth Magnetic Field during 26 August 2018 Geomagnetic Storm. <i>Entropy</i> , 2022, 24, 699.	1.1	4
3600	Economy-environment nexus in developed European countries: Evidence from multifractal and wavelet analysis. <i>Chaos, Solitons and Fractals</i> , 2022, 160, 112189.	2.5	9
3601	Machine Learning for Malware Analysis in Embedded Systems. , 2022, , 127-153.		1
3605	Detrending-moving-average-based multivariate regression model for nonstationary series. <i>Physical Review E</i> , 2022, 105, .	0.8	2

#	ARTICLE	IF	CITATIONS
3606	Decomposing the effect of anomalous diffusion enables direct calculation of the Hurst exponent and model classification for single random paths. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 274001.	0.7	5
3607	Lossless Compression of Hyperspectral Imagery by Assimilating Decorrelation and Pre-processing with Efficient Displaying using Multi Scale HDR Approach. <i>WSEAS Transactions on Signal Processing</i> , 2022, 18, 77-88.	0.3	0
3608	Sources of multifractality of the brain rs-fMRI signal. <i>Chaos, Solitons and Fractals</i> , 2022, 160, 112222.	2.5	6
3609	Multifractality of the standardized precipitation index: influence of pan evaporation and virtual temperature-based potential evapotranspiration. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, .	0.9	2
3610	Impacts of COVID-19 on the Return and Volatility Nexus among Cryptocurrency Market. <i>Complexity</i> , 2022, 2022, 1-15.	0.9	10
3611	Multiscale time-lagged correlation networks for detecting air pollution interaction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 602, 127627.	1.2	3
3613	Ionospheric Turbulence: A CHALLENGE FOR GPS LOSS OF LOCK UNDERSTANDING. <i>Space Weather</i> , 0, , .	1.3	4
3614	The evaluation of seismocardiogram signal pre-processing using hybridized variational mode decomposition method. <i>Biomedical Engineering Letters</i> , 2022, 12, 381-392.	2.1	1
3615	Spatial Distribution of Multi-Fractal Scaling Behaviours of Atmospheric XCO ₂ Concentration Time Series during 2010â€“2018 over China. <i>Entropy</i> , 2022, 24, 817.	1.1	1
3616	Fractal domain refinement of models simulating hydrological time series. <i>Hydrological Sciences Journal</i> , 2022, 67, 1342-1355.	1.2	0
3617	Price Dynamics and Measuring the Contagion between Brent Crude and Heating Oil (US-Diesel) Pre and Post COVID-19 Outbreak. , 0, , .		2
3618	Contribution of Phase Resetting to Statistical Persistence in Stride Intervals: A Modeling Study. <i>Frontiers in Neural Circuits</i> , 0, 16, .	1.4	0
3619	Comparing the asymmetric efficiency of dirty and clean energy markets pre and during COVID-19. <i>Economic Analysis and Policy</i> , 2022, 75, 548-562.	3.2	16
3620	Statistical Approach to Study the Relationship Between Stock Market Indexes by Multiple DCCA Cross-Correlation Coefficient. <i>Fluctuation and Noise Letters</i> , 2022, 21, .	1.0	1
3621	Relative Prices of Ethanol-Gasoline in the Major Brazilian Capitals: An Analysis to Support Public Policies. <i>Energies</i> , 2022, 15, 4795.	1.6	4
3622	Sign Retention in Classical MF-DFA. <i>Fractal and Fractional</i> , 2022, 6, 365.	1.6	1
3624	Aging and skeletal muscle force control: Current perspectives and future directions. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 1430-1443.	1.3	9
3625	Forecasting the Volatility of the Stock Index with Deep Learning Using Asymmetric Hurst Exponents. <i>Fractal and Fractional</i> , 2022, 6, 394.	1.6	5

#	ARTICLE	IF	CITATIONS
3626	The role of comorbid depressive symptoms on long-range temporal correlations in resting EEG in adults with ADHD. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, 272, 1421-1435.	1.8	2
3627	The multifractal nature of dew point. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127922.	1.2	1
3628	Asymmetric multifractality, comparative efficiency analysis of green finance markets: A dynamic study by index-based model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127949.	1.2	20
3629	Spatial Characteristics Analysis for Coupling Strength among Air Pollutants during a Severe Haze Period in Zhengzhou, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8224.	1.2	1
3630	The Global Transmission of Stock Market: A Spatial Analysis. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-8.	0.6	1
3631	Fractal Structure of Brain Electrical Activity of Patients With Mental Disorders. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	6
3632	Analyzing the Correlations and the Statistical Distribution of Moderate to Large Earthquakes Interevent Times in Greece. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7041.	1.3	5
3633	Asymmetric Fractal Characteristics and Market Efficiency Analysis of Style Stock Indices. <i>Entropy</i> , 2022, 24, 969.	1.1	7
3634	Research on Risk Features and Prediction of China's Crude Oil Futures Market Based on Machine Learning. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	2
3635	Multifractality of global sea level heights in the satellite altimeter-era. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127923.	1.2	2
3636	On Fourier phases and their relevance for nonlinear time series analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127878.	1.2	1
3637	Packet traffic features of IPv6 and IPv4 protocol traffic. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 0, , .	0.9	6
3638	Evolution of Cohesion between USA Financial Sector Companies before, during, and Post-Economic Crisis: Complex Networks Approach. <i>Entropy</i> , 2022, 24, 1005.	1.1	0
3639	Multifractal Cross-Correlations of Bitcoin and Ether Trading Characteristics in the Post-COVID-19 Time. <i>Future Internet</i> , 2022, 14, 215.	2.4	11
3640	Natural Time Analysis of Global Seismicity. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7496.	1.3	11
3641	Multifractal Characterization and Modeling of Blood Pressure Signals. <i>Algorithms</i> , 2022, 15, 259.	1.2	0
3642	On the Modeling and Simulation of Portfolio Allocation Schemes: an Approach Based on Network Community Detection. <i>Computational Economics</i> , 2023, 62, 969-1005.	1.5	1
3643	A Giant Falls: The Impact of Evergrande on Asian Stock Indexes. <i>Journal of Risk and Financial Management</i> , 2022, 15, 326.	1.1	1

#	ARTICLE	IF	CITATIONS
3644	Reliability analysis of complex electromechanical systems: State of the art, challenges, and prospects. <i>Quality and Reliability Engineering International</i> , 2022, 38, 3935-3969.	1.4	4
3645	Does the Coronavirus Crash affect green equity markets's efficiency? A multifractal analysis. <i>Journal of Sustainable Finance and Investment</i> , 0, , 1-26.	4.1	4
3646	Market Efficiency and Cross-Correlations of Chinese New Energy Market with Other Assets: Evidence from Multifractality Analysis. <i>Computational Economics</i> , 2023, 62, 1287-1311.	1.5	3
3647	Multi-scale regression based on detrending moving average and its application to seismic data. <i>International Journal of Modern Physics C</i> , 2023, 34, .	0.8	1
3648	Asymmetric volatility dynamics in cryptocurrency markets on multi-time scales. <i>Research in International Business and Finance</i> , 2022, 62, 101754.	3.1	17
3649	Complexity of Running and Its Relationship with Joint Kinematics during a Prolonged Run. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 9656.	1.2	1
3650	New Denoising Method for Lidar Signal by the WT-VMD Joint Algorithm. <i>Sensors</i> , 2022, 22, 5978.	2.1	4
3651	Are morphologies of SERS active substrates multifractals? An in-depth study from multifractal detrended fluctuation analysis. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 2031-2043.	1.2	0
3652	Temporal analysis of the flows of the rivers that form the hydrographic basin of Moquegua (Peru). <i>Fluctuation and Noise Letters</i> , 0, , .	1.0	0
3653	The association between continuous ambulatory heart rate, heart rate variability, and 24-h rhythms of heart rate with familial longevity and aging. <i>Aging</i> , 2022, 14, 7223-7239.	1.4	1
3654	Dominant periods and memory effect of the 2021 earthquake swarm in Hualien, Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2022, 33, .	0.3	2
3655	Nonlinear Statistical Analysis of Normal and Pathological Infant Cry Signals in Cepstrum Domain by Multifractal Wavelet Leaders. <i>Entropy</i> , 2022, 24, 1166.	1.1	8
3656	Self-potential time series reveal emergent behavior in soil organic matter dynamics. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3658	Spatiotemporal variability of extreme precipitation at different time scales and quantitative analysis of associated driving teleconnection factors: Insights from Taihu Basin, China. <i>Ecological Indicators</i> , 2022, 142, 109287.	2.6	9
3659	Alterations in peripheral joint muscle force control in adults with musculoskeletal disease, injury, surgery, or arthroplasty: A systematic review and meta-analysis. <i>Journal of Electromyography and Kinesiology</i> , 2022, 66, 102696.	0.7	4
3660	A novel artificial neural network improves multivariate feature extraction in predicting correlated multivariate time series. <i>Applied Soft Computing Journal</i> , 2022, 128, 109460.	4.1	3
3661	Complexity analysis and forecasting of variations in cryptocurrency trading volume with support vector regression tuned by Bayesian optimization under different kernels: An empirical comparison from a large dataset. <i>Expert Systems With Applications</i> , 2022, 209, 118349.	4.4	13
3662	Discrete scaling and criticality in a chain of adaptive excitable integrators. <i>Chaos, Solitons and Fractals</i> , 2022, 163, 112574.	2.5	0

#	ARTICLE	IF	CITATIONS
3663	Fractal and multifractal descriptors restore ergodicity broken by non-Gaussianity in time series. Chaos, Solitons and Fractals, 2022, 163, 112568.	2.5	7
3664	Evolutionary effect separation of watershed characteristics for the multi-source contributions to runoff changes in the Yellow River, China. Ecological Indicators, 2022, 143, 109398.	2.6	1
3665	Interplay multifractal dynamics among metal commodities and US-EPU. Physica A: Statistical Mechanics and Its Applications, 2022, 606, 128126.	1.2	8
3666	Schizophrenia classification using machine learning on resting state EEG signal. Biomedical Signal Processing and Control, 2023, 79, 104233.	3.5	22
3667	Hurst Exponent. Encyclopedia of Earth Sciences Series, 2022, , 1-6.	0.1	0
3668	Reinforcing Hurst Exponent with Oscillation Detection for Control Performance Analysis: An Industrial Application. IFAC-PapersOnLine, 2022, 55, 772-777.	0.5	0
3669	Nonlinear Analyses Distinguish Load Carriage Dynamics in Walking and Standing: A Systematic Review. Journal of Applied Biomechanics, 2022, , 1-14.	0.3	1
3670	Exploration of the Severity of Hepatic Encephalopathy Deterioration Process Through Dynamics of the EEG Band Power time series. , 2022, , .		0
3671	Dementia Digital Neuro-biomarker Study from Theta-band EEG Fluctuation Analysis in Facial and Emotional Identification Short-term Memory Oddball Paradigm. , 2022, , .		5
3672	Cuffless Blood Pressure Estimation Using Cardiovascular Dynamics. , 2022, , .		3
3673	The impact of long-term memory on the climate response to greenhouse gas emissions. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	3
3674	Deterministic Brownian-like Motion: Electronic Approach. Electronics (Switzerland), 2022, 11, 2949.	1.8	7
3675	The Short-Term Effect of COVID-19 Pandemic on China's Crude Oil Futures Market: A Study Based on Multifractal Analysis. Fluctuation and Noise Letters, 2023, 22, .	1.0	3
3676	Chaos Analysis Framework: How to Safely Identify and Quantify Time-Series Dynamics. , 0, , .		0
3677	Multifractal detrended cross-correlation analysis of radioactivity borne radon, thoron and meteorological time series. Physica A: Statistical Mechanics and Its Applications, 2022, 607, 128214.	1.2	2
3678	Evaluating the connectedness of commodity future markets via the cross-correlation network. Frontiers in Physics, 0, 10, .	1.0	1
3679	Contact.engineering"Create, analyze and publish digital surface twins from topography measurements across many scales. Surface Topography: Metrology and Properties, 2022, 10, 035032.	0.9	7
3680	The long-memory temporal dependence of traffic crash fatality for different types of road users. Physica A: Statistical Mechanics and Its Applications, 2022, 607, 128210.	1.2	2

#	ARTICLE	IF	CITATIONS
3681	Rapeseed Variety Recognition Based on Hyperspectral Feature Fusion. <i>Agronomy</i> , 2022, 12, 2350.	1.3	3
3682	Improvement in Hurst exponent estimation and its application to financial markets. <i>Financial Innovation</i> , 2022, 8, .	3.6	3
3683	Autocorrelation of wind speed: A sliding window approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 128213.	1.2	2
3684	Long- and short-term fluctuations compared for several organ systems across sleep stages. <i>Frontiers in Network Physiology</i> , 0, 2, .	0.8	1
3685	Cuffless Blood Pressure Estimation Using Calibrated Cardiovascular Dynamics in the Photoplethysmogram. <i>Bioengineering</i> , 2022, 9, 446.	1.6	9
3686	A Driving Fatigue Feature Detection Method Based on Multifractal Theory. <i>IEEE Sensors Journal</i> , 2022, 22, 19046-19059.	2.4	83
3687	Evidence of self-organized criticality in time series by the horizontal visibility graph approach. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
3688	Beyond linear correlation: Strong nonlinear structures in diurnal temperature range variability over southern China. <i>Chaos, Solitons and Fractals</i> , 2022, 164, 112737.	2.5	2
3689	ECG and Heart Rate Variability in Sleep-Related Breathing Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 159-183.	0.8	1
3690	TÃ¼rkiye YaÅŸadÄ± ÅŸiddetli Serilerinin Homojenlik Analizi. SÃ¼rdÃ¼rÃ¼lebilir MÃ¼hendislik UygulamalarÄ± Ve Teknolojik GeliÅŸmeler Dergisi, 0, , .	0.0	0
3691	Comparing asymmetric price efficiency in regional ESG markets before and during COVID-19. <i>Economic Modelling</i> , 2023, 118, 106095.	1.8	29
3692	Non-Fungible Tokens (NFTs) and Cryptocurrencies: Efficiency and Comovements. , 2022, 1, 310-317.		5
3693	E-Prevention: Advanced Support System for Monitoring and Relapse Prevention in Patients with Psychotic Disorders Analyzing Long-Term Multimodal Data from Wearables and Video Captures. <i>Sensors</i> , 2022, 22, 7544.	2.1	11
3694	Effects of shady environments on fish collective behavior. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
3695	Conservation in the Amazon rainforest and Google searches: A DCCA approach. <i>PLoS ONE</i> , 2022, 17, e0276675.	1.1	0
3696	Assessing Team Effectiveness by How Players Structure Their Search in a First-Person Multiplayer Video Game. <i>Cognitive Science</i> , 2022, 46, .	0.8	2
3697	Asymmetric Roughness of Elastic Interfaces at the Depinning Threshold. <i>Physical Review Letters</i> , 2022, 129, .	2.9	1
3698	Weâ€™re building it up to burn it down: fire occurrence and fire-related climatic patterns in Brazilian biomes. <i>PeerJ</i> , 0, 10, e14276.	0.9	2

#	ARTICLE	IF	CITATIONS
3699	Task-dependent fractal patterns of information processing in working memory. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
3700	On the long-term memory characteristic in land surface air temperatures: How well do CMIP6 models perform?. <i>Atmospheric and Oceanic Science Letters</i> , 2022, , 100291.	0.5	1
3701	The adaptive market hypothesis of Decentralized finance (DeFi). <i>Applied Economics</i> , 2023, 55, 4975-4989.	1.2	3
3702	Detrended fluctuation analysis based on best-fit polynomial. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
3703	Influence of anthropogenic forcing on the long-range correlation of air temperature in China. <i>International Journal of Climatology</i> , 2022, 42, 10422-10434.	1.5	2
3704	Daily runoff and its potential error sources reconstructed using individual satellite hydrological variables at the basin upstream. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	2
3705	Evidence of the fractal market hypothesis in European industry sectors with the use of bootstrapped wavelet leaders singularity spectrum analysis. <i>Chaos, Solitons and Fractals</i> , 2022, 165, 112813.	2.5	5
3706	Comparison of daubechies wavelets for hurst parameter estimation. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 0, , .	0.9	2
3707	Application of detrended fluctuation analysis (DFA) for short-term earthquake precursor investigation: A case study for January 23, 2018's Java earthquake. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
3708	Correlations and Cross-Correlations in Temperature and Relative Humidity Temporal Series From Manizales, Colombia. <i>Communications in Computer and Information Science</i> , 2022, , 65-80.	0.4	0
3709	Spatiotemporal variability of rainfall erosivity and its teleconnection with atmospheric circulation in monsoon-driven climate region. <i>Catena</i> , 2023, 221, 106762.	2.2	5
3710	Sensitivity Estimations in Favor of Using Inter-fractal Angle in Detrended Fluctuation Analysis. , 2022, , .		0
3711	Exposure, but not timing of exposure, to a sulfonylurea herbicide alters larval development and behaviour in an amphibian species. <i>Aquatic Toxicology</i> , 2023, 254, 106355.	1.9	1
3712	Effect of Futures Trading Restrictions on Market Efficiency: A Multifractal Analysis. <i>Fluctuation and Noise Letters</i> , 2023, 22, .	1.0	1
3713	On the scaling properties of oscillatory modes with balanced energy. <i>Frontiers in Network Physiology</i> , 0, 2, .	0.8	0
3714	The footprints of Russia's Ukraine war on the intraday (in)efficiency of energy markets: a multifractal analysis. <i>Journal of Risk Finance</i> , 2023, 24, 89-104.	3.6	10
3715	Extended detrended cross-correlation analysis of electrocorticograms. <i>European Physical Journal: Special Topics</i> , 0, , .	1.2	1
3716	Cryptocurrency spectrum and 2020 pandemic: Contagion analysis. <i>International Review of Economics and Finance</i> , 2022, , .	2.2	4

#	ARTICLE	IF	CITATIONS
3717	What is the best RNN-cell structure to forecast each time series behavior?. Expert Systems With Applications, 2023, 215, 119140.	4.4	7
3718	From mechanisms to markers: novel noninvasive EEG proxy markers of the neural excitation and inhibition system in humans. Translational Psychiatry, 2022, 12, .	2.4	29
3719	Anthropogenic Contribution to the Rapid Warming over the Tibetan Plateau. Climate Dynamics, 2023, 61, 329-339.	1.7	2
3720	Long-Term Correlations and Cross-Correlations in Meteorological Variables and Air Pollution in a Coastal Urban Region. Sustainability, 2022, 14, 14470.	1.6	1
3721	The Effect of Breaking Up Sedentary Time with Calisthenics on Neuromuscular Function: A Preliminary Study. International Journal of Environmental Research and Public Health, 2022, 19, 14597.	1.2	2
3722	Multiscale entropy and fluctuation analyses of complex signals. European Physical Journal: Special Topics, 0, , .	1.2	1
3723	Cross-correlation analysis at multiple resolutions. European Physical Journal: Special Topics, 0, , .	1.2	1
3724	Equity premium prediction: Taking into account the role of long, even asymmetric, swings in stock market behavior. Physica A: Statistical Mechanics and Its Applications, 2022, , 128285.	1.2	0
3725	Multiresolution wavelet analysis of transients: numerical simulations and application to EEG. European Physical Journal: Special Topics, 0, , .	1.2	1
3726	On the inner dynamics between Fossil fuels and the carbon market: a combination of seasonal-trend decomposition and multifractal cross-correlation analysis. Environmental Science and Pollution Research, 2023, 30, 25873-25891.	2.7	5
3727	The chaotic, self-similar and hierarchical patterns in Bitcoin and Ethereum price series. Chaos, Solitons and Fractals, 2022, 165, 112806.	2.5	7
3728	A Novel Method for Actuator Degradation Assessment Based on Improved Multifractal Analysis. Journal of Electrical Engineering and Technology, 0, , .	1.2	0
3729	The temporal correlation of fluctuationâ€“variation in the non-stationary complex climate system. Physica A: Statistical Mechanics and Its Applications, 2023, 609, 128316.	1.2	0
3730	Correlations between the crude oil market and capital markets under the Russiaâ€“Ukraine conflict: A perspective of crude oil importing and exporting countries. Resources Policy, 2023, 80, 103233.	4.2	29
3731	Hurst exponent dynamics of S&P 500 returns: Implications for market efficiency, long memory, multifractality and financial crises predictability by application of a nonlinear dynamics analysis framework. Chaos, Solitons and Fractals, 2023, 166, 112884.	2.5	16
3732	Efficiency of the financial markets during the COVID-19 crisis: Time-varying parameters of fractional stable dynamics. Physica A: Statistical Mechanics and Its Applications, 2023, 609, 128335.	1.2	7
3733	Understanding the complex interplay of persistent and antipersistent regimes in animal movement trajectories as a prominent characteristic of their behavioral pattern profiles: Towards an automated and robust model based quantification of anxiety test data. Biomedical Signal Processing and Control, 2023, 81, 104409.	3.5	3
3734	Feature Engineering: Toward Identification of Symptom Clusters of Mental Disorders. IEEE Access, 2022, 10, 134136-134156.	2.6	0

#	ARTICLE	IF	CITATIONS
3735	Differentiating acute from chronic insomnia with machine learning from actigraphy time series data. <i>Frontiers in Network Physiology</i> , 0, 2, .	0.8	2
3736	The Neuromuscular Fatigue-Induced Loss of Muscle Force Control. <i>Sports</i> , 2022, 10, 184.	0.7	3
3737	The Dynamic Impacts of COVID-19 Pandemic Lockdown on the Multifractal Cross-Correlations between PM2.5 and O3 Concentrations in and around Shanghai, China. <i>Atmosphere</i> , 2022, 13, 1964.	1.0	0
3738	Paradox between adequate sanitation and rainfall in dengue fever cases. <i>Science of the Total Environment</i> , 2023, 860, 160491.	3.9	2
3739	Tail Risk and Return Predictability for Europe's Capital Markets. <i>Advances in Human Resources Management and Organizational Development Book Series</i> , 2022, , 281-298.	0.2	5
3740	One-year-later spontaneous EEG features predict visual exploratory human phenotypes. <i>Communications Biology</i> , 2022, 5, .	2.0	1
3741	Mutations along human chromosomes: How randomly scattered are they?. <i>Physical Review E</i> , 2022, 106, .	0.8	0
3742	Homology groups of embedded fractional Brownian motion. <i>Physical Review E</i> , 2022, 106, .	0.8	0
3743	SCALING DETECTION IN EXTRACHROMOSOMAL DNA. <i>Fractals</i> , 0, , .	1.8	0
3744	Wave localization in number-theoretic landscapes. <i>Physical Review B</i> , 2022, 106, .	1.1	1
3745	Analysis of the Impact of COVID-19 Pandemic on the Intraday Efficiency of Agricultural Futures Markets. <i>Journal of Risk and Financial Management</i> , 2022, 15, 607.	1.1	3
3746	Anti-persistent adherence dynamic of the COVID-19 vaccines. <i>Physica Scripta</i> , 2023, 98, 015017.	1.2	0
3747	The Effects of Russia's 2022 Invasion of Ukraine on Global Markets. <i>Advances in Human Resources Management and Organizational Development Book Series</i> , 2022, , 262-280.	0.2	5
3748	Unveiling the climatic origin of streamflow persistence through multifractal analysis of hydro-meteorological datasets of India. <i>Hydrological Sciences Journal</i> , 2023, 68, 290-306.	1.2	2
3749	Multi-fractal detrended cross-correlation heatmaps for time series analysis. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3750	Relationships between Reference Evapotranspiration and Meteorological Variables in the Middle Zone of the Guadalquivir River Valley Explained by Multifractal Detrended Cross-Correlation Analysis. <i>Fractal and Fractional</i> , 2023, 7, 54.	1.6	2
3751	Combining the global trends of DFA or CDFA of different orders. , 2023, , 103906.		0
3752	Analysis of Spatiotemporal Data. , 2023, , 1203-1288.		0

#	ARTICLE	IF	CITATIONS
3753	Influence of Musical Acoustics on Graphic Design: An Exploration with Indian Classical Music Album Cover Design. <i>Signals and Communication Technology</i> , 2023, , 379-395.	0.4	0
3754	Fractal analysis revealed persistent correlations in long-term vegetation fire data in most South and Southeast Asian countries. <i>Environmental Research Communications</i> , 2023, 5, 011001.	0.9	3
3755	Islamic vs. Conventional Equity Markets: A Multifractal Cross-Correlation Analysis with Economic Policy Uncertainty. <i>Economies</i> , 2023, 11, 16.	1.2	5
3756	The Complexity Behavior of Big and Small Trading Orders in the Chinese Stock Market. <i>Entropy</i> , 2023, 25, 102.	1.1	0
3757	The impact of the 2007â€“2008 global financial crisis on the multifractality of the Nigerian Stock Exchange. <i>SN Business & Economics</i> , 2023, 3, .	0.6	2
3758	Fractal correlations in the Covid-19 genome sequence via multivariate rescaled range analysis. <i>Chaos, Solitons and Fractals</i> , 2023, , 113132.	2.5	2
3759	A Fractal Approach to Characterize Emotions in Audio and Visual Domain: A Study on Cross-Modal Interaction. <i>Signals and Communication Technology</i> , 2023, , 397-414.	0.4	0
3760	Knee extensor force control as a predictor of dynamic balance in healthy adults. <i>Gait and Posture</i> , 2023, 100, 230-235.	0.6	5
3761	A local fitting based multifractal detrend fluctuation analysis method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 611, 128476.	1.2	1
3764	Musical Influence on Visual Aesthetics: An Exploration on Intermediality from Psychological, Semiotic, and Fractal Approach. <i>Signals and Communication Technology</i> , 2023, , 353-378.	0.4	0
3765	LightFFNet: MDD Prediction on EEG Quantitative Biomarkers. , 2022, , .		0
3766	Cross-cultural Evaluation of Dementia Passive BCI Neuro-biomarker Candidates. , 2022, , .		1
3767	Extended Detrended Fluctuation Analysis of Coarse-Grained Time Series. <i>Diagnostics</i> , 2023, 13, 93.	1.3	0
3768	Sleep Quality Evaluation Based on Single-Lead Wearable Cardiac Cycle Acquisition Device. <i>Sensors</i> , 2023, 23, 328.	2.1	1
3769	Recurrence interval analysis of the US Bitcoin market. <i>Fluctuation and Noise Letters</i> , 0, , .	1.0	0
3770	Characterization of Anesthesia in Rats from EEG in Terms of Long-Range Correlations. <i>Diagnostics</i> , 2023, 13, 426.	1.3	2
3771	Assessing proprioception through time-variability properties of acceleration. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	1
3772	Analyzing Asymmetric Volatility and Multifractal Behavior in Cryptocurrencies Using Capital Asset Pricing Model Filter. <i>Fractal and Fractional</i> , 2023, 7, 85.	1.6	2

#	ARTICLE	IF	CITATIONS
3773	Peripheral blood flow estimated by laser doppler flowmetry provides additional information about sleep state beyond that provided by pulse rate variability. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	0
3774	Predicting Chinese Commodity Futures Price: An EEMD-Hurst-LSTM Hybrid Approach. <i>IEEE Access</i> , 2023, 11, 14841-14858.	2.6	2
3775	Complex Network Methods for Plastic Deformation Dynamics in Metals. <i>Dynamics</i> , 2023, 3, 34-59.	0.5	1
3776	Multifractal Characterization of Texts for Pattern Recognition: On the Complexity of Morphological Structures in Modern and Ancient Languages. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 10143-10160.	9.7	2
3777	Universal versus system-specific features of punctuation usage patterns in major Western languages. <i>Chaos, Solitons and Fractals</i> , 2023, 168, 113183.	2.5	2
3778	Heart rate variability in different sleep stages is associated with metabolic function and glycemic control in type 2 diabetes mellitus. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	2
3779	A Multifractal Model of Asset (In)Variances. <i>Journal of International Financial Markets, Institutions and Money</i> , 2023, , 101767.	2.1	0
3780	Running gait produces long range correlations: A systematic review. <i>Gait and Posture</i> , 2023, 102, 171-179.	0.6	1
3781	NFTs, DeFi, and other assets efficiency and volatility dynamics: An asymmetric multifractality analysis. <i>International Review of Financial Analysis</i> , 2023, 87, 102642.	3.1	18
3782	Multifractal descriptors ergodically characterize non-ergodic multiplicative cascade processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 617, 128651.	1.2	5
3783	Detecting memory content in firing rate signals using a machine learning approach: A fractal analysis. <i>Biomedical Signal Processing and Control</i> , 2023, 85, 104945.	3.5	1
3784	Return over volume statistics and the Moses effect in S&P 500 data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 612, 128497.	1.2	1
3785	On the Analysis and Predictability of Long-Term Correlated Traffic Patterns in a Wide Area Network. , 2022, , .		0
3786	Animal Movement Pattern Model Identification based on Detrended Fluctuation Analysis. , 2022, , .		0
3787	An Efficient Patient-Independent Epileptic Seizure Assistive Integrated Model in Human Brain-Computer Interface Applications. , 2022, , .		0
3788	Video-based marker-free tracking and multi-scale analysis of mouse locomotor activity and behavioral aspects in an open field arena: A perspective approach to the quantification of complex gait disturbances associated with Alzheimer's disease. <i>Frontiers in Neuroinformatics</i> , 0, 17, .	1.3	2
3789	Online detrended fluctuation analysis and improved empirical wavelet transform for real-time oscillations detection in industrial control loops. <i>Computers and Chemical Engineering</i> , 2023, 172, 108173.	2.0	1
3790	Approximate waiting times for queuing systems with variable long-term correlated arrival rates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 614, 128513.	1.2	1

#	ARTICLE	IF	CITATIONS
3791	Multiple moving agents on complex networks: From intermittent synchronization to complete synchronization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 614, 128562.	1.2	3
3792	Multifractal Analysis of ELF Transient Events Based on MF-DFA. <i>Kongjian Kexue Xuebao</i> , 2015, 35, 324.	0.2	0
3793	Model of Gait Control in Parkinson's Disease and Prediction of Robotic Assistance. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2023, 31, 1374-1383.	2.7	2
3794	Cryptocurrencies Are Becoming Part of the World Global Financial Market. <i>Entropy</i> , 2023, 25, 377.	1.1	15
3795	Fractional Dynamics Foster Deep Learning of COPD Stage Prediction. <i>Advanced Science</i> , 2023, 10, .	5.6	9
3796	Effects of Interdependence and Contagion on Crude Oil and Precious Metals According to IDCCA: A COVID-19 Case Study. <i>Sustainability</i> , 2023, 15, 3945.	1.6	4
3797	Exploring the Asymmetric Multifractal Characteristics of Price-Volume Cross-Correlation in the Chinese Rebar Futures Market Based on MF-ADCCA. <i>Fluctuation and Noise Letters</i> , 2023, 22, .	1.0	1
3798	Tsallis q-Statistics in Seismology. <i>Entropy</i> , 2023, 25, 408.	1.1	11
3800	The Role of EEG as Neuro-Markers for Patients with Depression: A Systematic Review. , 2023, , 53-81.		0
3801	Multidimensional fractal scaling analysis using higher order moving average polynomials and its fast algorithm. <i>Signal Processing</i> , 2023, 208, 108997.	2.1	0
3803	FRactal Radiophysics. Part 2. Fractal and Multifractal Analysis Methods of Signals and Processes. <i>Radio Physics and Radio Astronomy</i> , 2023, 28, 5-70.	0.1	1
3804	Detecting Coordinated Internet-Wide Scanning by TCP/IP Header Fingerprint. <i>IEEE Access</i> , 2023, 11, 23227-23244.	2.6	0
3805	Long-Term Dependencies in Central European Stock Markets: A Crisp-Set Analysis. , 0, , .		5
3806	Cross-Correlation Multifractal Analysis of Technological Innovation, Financial Market and Real Economy Indices. <i>Fractal and Fractional</i> , 2023, 7, 267.	1.6	2
3807	Auditory, tactile, and multimodal noise reduce balance variability. <i>Experimental Brain Research</i> , 0, , .	0.7	2
3808	Disentangling the impact of economic and health crises on financial markets. <i>Research in International Business and Finance</i> , 2023, 65, 101928.	3.1	4
3809	Statistical modeling of adaptive neural networks explains co-existence of avalanches and oscillations in resting human brain. <i>Nature Computational Science</i> , 2023, 3, 254-263.	3.8	7
3810	Research on Multifractal Characteristics of Vehicle Driving Cycles. <i>Machines</i> , 2023, 11, 423.	1.2	1

#	ARTICLE	IF	CITATIONS
3811	The Hurst Exponent as an Indicator to Anticipate Agricultural Commodity Prices. <i>Entropy</i> , 2023, 25, 579.	1.1	2
3812	Genuine multifractality in time series is due to temporal correlations. <i>Physical Review E</i> , 2023, 107, .	0.8	14
3813	A novel copula-based approach for parametric estimation of univariate time series through its covariance decay. <i>Statistical Papers</i> , 0, , .	0.7	0
3814	Climate change-induced influences on the nonlinear dynamic patterns of precipitation and temperatures (case study: Central England). <i>Theoretical and Applied Climatology</i> , 0, , .	1.3	5
3815	Fractional poisson process: Long-range dependence in DNA sequences. <i>Model Assisted Statistics and Applications</i> , 2023, 18, 33-43.	0.2	0
3816	Natural Selection and Scale Invariance. <i>Life</i> , 2023, 13, 917.	1.1	0
3817	A dynamically coherent pattern of rhythms that matches between distant species across the evolutionary scale. <i>Scientific Reports</i> , 2023, 13, .	1.6	6
3818	Differences in Brain Activation During Physics Problem Solving Across Students with Various Learning Progression: Electrophysiological Evidence Based on Detrended Fluctuation Analysis. <i>Lecture Notes in Computer Science</i> , 2023, , 3-12.	1.0	0
3819	Dynamical biomarkers in teams and other multiagent systems. <i>Journal of Science and Medicine in Sport</i> , 2023, 26, S9-S13.	0.6	0
3821	Analysis of Chinese Exchange Market Efficiency Based on Multifractal. <i>Advances in Applied Mathematics</i> , 2023, 12, 1549-1566.	0.0	1
3839	Study of the Global Seismicity Using Natural Time Analysis. , 2023, , 239-291.		0
3841	Temporal Correlations in the Magnitude Time Series Before and After the Minimum of the Order Parameter Fluctuations of Seismicity. , 2023, , 55-76.		0
3842	Identifying the Occurrence Time of a Mainshock by Means of the Minimum of the Seismicity Order Parameter Fluctuations. , 2023, , 77-104.		0
3843	Compatibility of the SES Generation Model with the Precursory Phenomena Before the Tohoku M9 Earthquake in Japan in 2011. , 2023, , 189-208.		0
3844	Irreversibility of Plastic Deformation Processes in Metals. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2023, , 425-445.	0.5	1
3845	The Analysis of Multifractal Cross-Correlation Connectedness Between Bitcoin and the Stock Market. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2023, , 323-345.	0.5	1
3846	Identifying the Occurrence Time of a Mainshock by Means of the Fluctuations of the Seismicity Entropy Change Under Time Reversal. , 2023, , 173-188.		0
3847	Minimum of the Seismicity Entropy Change Under Time Reversal Before Major Earthquakes in Natural Time Analysis. , 2023, , 119-151.		0

#	ARTICLE	IF	CITATIONS
3864	Detrended Fluctuation Analysis (DFA) of Gunungsitoli Geomagnetic Station to Assess the Possibility of the Earthquake Precursor. Springer Proceedings in Physics, 2023, , 45-54.	0.1	0
3870	Hurst Exponent. Encyclopedia of Earth Sciences Series, 2023, , 620-625.	0.1	0
3871	Signal Processing in Geosciences. Encyclopedia of Earth Sciences Series, 2023, , 1297-1320.	0.1	0
3873	Fractal Methods in Nonequilibrium Systems. , 0, , .		0
3882	Review article: Scaling, dynamical regimes, and stratification. How long does weather last? How big is a cloud?. Nonlinear Processes in Geophysics, 2023, 30, 311-374.	0.6	1
3898	Signal Denoising Technique Employing Detrended Fluctuation Thresholding and Stationary Wavelet Transform in the Framework of Data-driven Multiresolution Analysis. , 2023, , .		0
3903	Distinguishing between deterministic oscillations and noise. European Physical Journal: Special Topics, 2023, 232, 3435-3457.	1.2	2
3909	COVID-19 and Fractal Characteristics in Energy Markets: Evidence from US Energy Price Time Series. Contributions To Management Science, 2023, , 161-186.	0.4	0
3912	Estimating Fractal Dimension as a Spatially Correlated Pore Structure Heterogeneity Measure from Rate-Controlled Capillary Pressure Curves. , 2023, , .		0
3922	Fractals and Wavelet Fisher's Information. Communications in Computer and Information Science, 2023, , 64-72.	0.4	0
3960	Stock Market Crashes as Phase Transitions. Communications in Computer and Information Science, 2023, , 203-214.	0.4	0
3991	Fractal Time Series: Background, Estimation Methods, and Performances. Advances in Neurobiology, 2024, , 95-137.	1.3	0
3994	EEG Complexity Analysis of Brain States, Tasks and ASD Risk. Advances in Neurobiology, 2024, , 733-759.	1.3	0