Osvaldo A Rosso

List of Publications by Year
in descending order

191 papers	8,632 citations	50566 48 h-index	58552 86 g-index
197 all docs	197 docs citations	197 times ranked	4981 citing authors

#	Article	IF	Citations
1	Leveraging the self-transition probability of ordinal patterns transition network for transportation mode identification based on GPS data. Nonlinear Dynamics, 2022, 107, 889-908.	2.7	9
2	Permutation Jensen-Shannon distance: A versatile and fast symbolic tool for complex time-series analysis. Physical Review E, 2022, 105, 045310.	0.8	14
3	Abnormal EEG signal energy in the elderly: A wavelet analysis of event-related potentials during a stroop task. Journal of Neuroscience Methods, 2022, 376, 109608.	1.3	2
4	Alternative fault detection and diagnostic using information theory quantifiers based on vibration time-waveforms from condition monitoring systems: Application to operational wind turbines. Renewable Energy, 2021, 164, 1183-1194.	4.3	19
5	Analysis and Classification of SAR Textures Using Information Theory. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 663-675.	2.3	12
6	Network configurations of pain: an efficiency characterization of information transmission. European Physical Journal B, 2021, 94, 1.	0.6	3
7	Complexity entropy-analysis of monthly rainfall time series in northeastern Brazil. Chaos, Solitons and Fractals, 2021, 143, 110623.	2.5	14
8	From Continuous-Time Chaotic Systems to Pseudo Random Number Generators: Analysis and Generalized Methodology. Entropy, 2021, 23, 671.	1.1	3
9	Using time causal quantifiers to characterize sleep stages. Chaos, Solitons and Fractals, 2021, 146, 110798.	2.5	16
10	A symbolic information approach to characterize response-related differences in cortical activity during a Go/No-Go task. Nonlinear Dynamics, 2021, 104, 4401.	2.7	0
11	Statistical complexity is maximized close to criticality in cortical dynamics. Physical Review E, 2021, 103, 012415.	0.8	8
12	Data Sampling Algorithm based on Complexity-Entropy Plane for Smart Sensing Applications. IEEE Sensors Journal, 2021, , 1-1.	2.4	1
13	Transition Graphs for SAR Image Texture Characterization: An Exploratory Study. , 2021, , .		0
14	Estimating ecoacoustic activity in the Amazon rainforest through Information Theory quantifiers. PLoS ONE, 2020, 15, e0229425.	1.1	5
15	Mapping Network Traffic Dynamics in the Complexity-Entropy Plane. , 2020, , .		0
16	Information Theoretic Measures and Their Applications. Entropy, 2020, 22, 1382.	1.1	0
17	Leveraging Phase Transition of Topics for Event Detection in Social Media. IEEE Access, 2020, 8, 70505-70518.	2.6	5
18	Dynamics in cortical activity revealed by resting-state MEG rhythms. Chaos, 2020, 30, 123138.	1.0	2

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19	Characterization of Visuomotor/Imaginary Movements in EEG: An Information Theory and Complex Network Approach. Frontiers in Physics, 2019, 7, .	1.0	20
20	Learning and distinguishing time series dynamics via ordinal patterns transition graphs. Applied Mathematics and Computation, 2019, 362, 124554.	1.4	24
21	An information theory perspective on the informational efficiency of gold price. North American Journal of Economics and Finance, 2019, 50, 101018.	1.8	22
22	A detailed characterization of complex networks using Information Theory. Scientific Reports, 2019, 9, 16689.	1.6	19
23	Inhibitory autapse mediates anticipated synchronization between coupled neurons. Physical Review E, 2019, 99, 062411.	0.8	10
24	Quantifying instabilities in Financial Markets. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 606-615.	1.2	16
25	Study about vehicles velocities using time causal Information Theory quantifiers. Ad Hoc Networks, 2019, 89, 22-34.	3.4	12
26	Permutation Entropy and Statistical Complexity Analysis of Brazilian Agricultural Commodities. Entropy, 2019, 21, 1220.	1.1	28
27	Feature evaluation for unsupervised bioacoustic signal segmentation of anuran calls. Expert Systems With Applications, 2018, 106, 107-120.	4.4	13
28	Causal Shannon–Fisher Characterization of Motor/Imagery Movements in EEG. Entropy, 2018, 20, 660.	1.1	18
29	Nonlinear dynamics of river runoff elucidated by horizontal visibility graphs. Chaos, 2018, 28, 075520.	1.0	11
30	Discriminating imagined and non-imagined tasks in the motor cortex area: Entropy-complexity plane with a wavelet decomposition. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 27-39.	1.2	18
31	Rhythmic activities of the brain: Quantifying the high complexity of beta and gamma oscillations during visuomotor tasks. Chaos, 2018, 28, 075513.	1.0	15
32	Complexity of Simple, Switched and Skipped Chaotic Maps in Finite Precision. Entropy, 2018, 20, 135.	1.1	10
33	Bandt-Pompe symbolization dynamics for time series with tied values: A data-driven approach. Chaos, 2018, 28, 075502.	1.0	12
34	An analysis of high-frequency cryptocurrencies prices dynamics using permutation-information-theory quantifiers. Chaos, 2018, 28, 075511.	1.0	68
35	Analysis of ischaemic crisis using the informational causal entropy-complexity plane. Chaos, 2018, 28, 075518.	1.0	9
36	Introduction to Focus Issue: Nonlinear dynamics of non-equilibrium complex systems. Chaos, 2018, 28, .	1.0	1

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37	A simple and fast representation space for classifying complex time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1021-1028.	0.9	22
38	Permutation entropy based time series analysis: Equalities in the input signal can lead to false conclusions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1883-1892.	0.9	100
39	Multiscale permutation entropy analysis of laser beam wandering in isotropic turbulence. Physical Review E, 2017, 96, 042207.	0.8	6
40	Model Selection: Using Information Measures from Ordinal Symbolic Analysis to Select Model Subgrid-Scale Parameterizations. Journals of the Atmospheric Sciences, 2017, 74, 3253-3269.	0.6	5
41	A path integral approach to the Hodgkin–Huxley model. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 986-999.	1.2	5
42	Characterization of electric load with Information Theory quantifiers. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 277-284.	1.2	25
43	Evaluation of the status of rotary machines by time causal Information Theory quantifiers. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 321-329.	1.2	6
44	Classification of Normal and Pre-Ictal EEG Signals Using Permutation Entropies and a Generalized Linear Model as a Classifier. Entropy, 2017, 19, 72.	1.1	20
45	Classification and Verification of Handwritten Signatures with Time Causal Information Theory Quantifiers. PLoS ONE, 2016, 11, e0166868.	1.1	30
46	Time series characterization via horizontal visibility graph and Information Theory. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 93-102.	1.2	37
47	Libor at crossroads: Stochastic switching detection using information theory quantifiers. Chaos, Solitons and Fractals, 2016, 88, 172-182.	2.5	6
48	Monitoring the informational efficiency of European corporate bond markets with dynamical permutation min-entropy. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 1-9.	1.2	23
49	Information theory perspective on network robustness. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 359-364.	0.9	25
50	Quantifying long-range correlations with a multiscale ordinal pattern approach. Physica A: Statistical Mechanics and Its Applications, 2016, 445, 283-294.	1.2	13
51	Diagnosing the Dynamics of Observed and Simulated Ecosystem Gross Primary Productivity with Time Causal Information Theory Quantifiers. PLoS ONE, 2016, 11, e0164960.	1.1	20
52	CRUDE OIL MARKET AND GEOPOLITICAL EVENTS: AN ANALYSIS BASED ON INFORMATION-THEORY-BASED QUANTIFIERS. Fuzzy Economic Review, 2016, 21, .	0.4	7
53	A permutation information theory tour through different interest rate maturities: the Libor case. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150119.	1.6	31
54	Causal information quantification of prominent dynamical features of biological neurons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150109.	1.6	22

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55	Topics on non-equilibrium statistical mechanics and nonlinear physics (II). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150120.	1.6	1
56	A symbolic information approach to determine anticipated and delayed synchronization in neuronal circuit models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150110.	1.6	19
57	Detecting upper outliers in small gamma samples: A comparison of techniques. , 2015, , .		0
58	Permutation min-entropy: An improved quantifier for unveiling subtle temporal correlations. Europhysics Letters, 2015, 109, 10005.	0.7	55
59	Characterization of vehicle behavior with information theory. European Physical Journal B, 2015, 88, 1.	0.6	20
60	The (in)visible hand in the Libor market: an information theory approach. European Physical Journal B, 2015, 88, 1.	0.6	24
61	Ghost stochastic resonance induced by a power-law distributed noise in the FitzHughâ€"Nagumo neuron model. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 641-649.	1.7	10
62	Distinguishing Noise from Chaos: Objective versus Subjective Criteria Using Horizontal Visibility Graph. PLoS ONE, 2014, 9, e108004.	1.1	69
63	Entropy-Complexity Characterization of Brain Development in Chickens. Entropy, 2014, 16, 4677-4692.	1.1	29
64	A Quantitative Analysis of an EEG Epileptic Record Based on MultiresolutionWavelet Coefficients. Entropy, 2014, 16, 5976-6005.	1.1	13
65	Complexityâ€"entropy analysis of daily stream flow time series in the continental United States. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1685-1708.	1.9	55
66	Efficiency characterization of a large neuronal network: A causal information approach. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 58-70.	1.2	24
67	Characterization of chaotic maps using the permutation Bandt-Pompe probability distribution. European Physical Journal B, 2013, 86, 1.	0.6	55
68	Revisiting the European sovereign bonds with a permutation-information-theory approach. European Physical Journal B, 2013, 86, 1.	0.6	12
69	Efficiency and credit ratings: a permutation-information-theory analysis. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P08007.	0.9	12
70	Structural changes in data communication in wireless sensor networks. Open Physics, 2013, 11, .	0.8	2
71	Permutation Entropy and Its Main Biomedical and Econophysics Applications: A Review. Entropy, 2012, 14, 1553-1577.	1.1	505
72	Ambiguities in Bandtâ€"Pompeâ€™s methodology for local entropic quantifiers. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2518-2526.	1.2	37

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73	On the efficiency of sovereign bond markets. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4342-4349.	1.2	82
74	Distinguishing chaotic and stochastic dynamics from time series by using a multiscale symbolic approach. Physical Review E, 2012, 86, 046210.	0.8	173
75	The AmigÃ³ paradigm of forbidden/missing patterns: a detailed analysis. European Physical Journal B, 2012, 85, 1.	0.6	29
76	Causality and the entropyâ€"complexity plane: Robustness and missing ordinal patterns. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 42-55.	1.2	64
77	Tsallisâ€™ statistics in the variability of El NiÃ±o/Southern Oscillation during the Holocene epoch. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2154-2162.	1.2	11
78	Sampling period, statistical complexity, and chaotic attractors. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2564-2575.	1.2	33
79	Contrasting chaos with noise via local versus global information quantifiers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1577-1583.	0.9	59
80	Dynamics of Climate Networks. Springer Proceedings in Mathematics and Statistics, 2012, , 157-173.	0.1	0
81	Generalized Statistical Complexity of SAR Imagery. Lecture Notes in Computer Science, 2012, , 656-663.	1.0	0
82	Distances in Probability Space and the Statistical Complexity Setup. Entropy, 2011, 13, 1055-1075.	1.1	47
83	Quantifying the complexity of the delayed logistic map. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 425-438.	1.6	19
84	Time Scales of a Chaotic Semiconductor Laser With Optical Feedback Under the Lens of a Permutation Information Analysis. IEEE Journal of Quantum Electronics, 2011, 47, 252-261.	1.0	161
85	Characterizing the Hyperchaotic Dynamics of a Semiconductor Laser Subject to Optical Feedback Via Permutation Entropy. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1250-1257.	1.9	62
86	Impairment of Erythrocytes Incubated in Glucose Medium: A Wavelet-Information Theory Analysis. Cell Biochemistry and Biophysics, 2011, 60, 329-334.	0.9	4
87	Commodity predictability analysis with a permutation information theory approach. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 876-890.	1.2	71
88	Fisher information description of the classicalâ€"quantal transition. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2435-2441.	1.2	2
89	Analyzing complex networks evolution through Information Theory quantifiers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 801-804.	0.9	26
90	Quantifying complexity of the chaotic regime of a semiconductor laser subject to feedback via information theory measures. , 2010, , .		6

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91	Info-quantifiers' map-characterization revisited. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4604-4612.	1.2	33
92	Complexity-entropy causality plane: A useful approach to quantify the stock market inefficiency. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1891-1901.	1.2	175
93	Missing ordinal patterns in correlated noises. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2020-2029.	1.2	42
94	Entropy analysis of the dynamics of El Niño/Southern Oscillation during the Holocene. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5022-5027.	1.2	71
95	Uncovering Molecular Biomarkers That Correlate Cognitive Decline with the Changes of Hippocampus' Gene Expression Profiles in Alzheimer's Disease. PLoS ONE, 2010, 5, e10153.	1.1	121
96	Quantifying the statistical complexity of low-frequency fluctuations in semiconductor lasers with optical feedback. Physical Review A, 2010, 82, .	1.0	45
97	GENERALIZED STATISTICAL COMPLEXITY MEASURE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 775-785.	0.7	47
98	Permutation-information-theory approach to unveil delay dynamics from time-series analysis. Physical Review E, 2010, 82, 046212.	0.8	180
99	Preliminary Characterization of Erythrocytes Deformability on the Entropy-Complexity Plane. Open Medical Informatics Journal, 2010, 4, 164-170.	1.0	3
100	Detecting and quantifying stochastic and coherence resonances via information-theory complexity measurements. Physical Review E, 2009, 79, 040106.	0.8	80
101	Topics on non-equilibrium statistical mechanics and nonlinear physics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3151-3156.	1.6	1
102	Performance of encryption schemes in chaotic optical communication: A multifractal approach. Optics Communications, 2009, 282, 4587-4594.	1.0	13
103	Shakespeare and other English Renaissance authors as characterized by Information Theory complexity quantifiers. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 916-926.	1.2	55
104	Forbidden patterns, permutation entropy and stock market inefficiency. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2854-2864.	1.2	197
105	Distinguishing childhood absence epilepsy patients from controls by the analysis of their background brain electrical activity. Journal of Neuroscience Methods, 2009, 177, 461-468.	1.3	11
106	Distinguishing childhood absence epilepsy patients from controls by the analysis of their background brain electrical activity (II): A combinatorial optimization approach for electrode selection. Journal of Neuroscience Methods, 2009, 181, 257-267.	1.3	21
107	Multifractal structure in Latin-American market indices. Chaos, Solitons and Fractals, 2009, 41, 2331-2340.	2.5	75
108	Detecting and quantifying temporal correlations in stochastic resonance via information theory measures. European Physical Journal B, 2009, 69, 37-43.	0.6	60

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109	Quantifiers for randomness of chaotic pseudo-random number generators. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3281-3296.	1.6	29
110	Randomizing nonlinear maps via symbolic dynamics. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3373-3383.	1.2	51
111	Encryption test of pseudo-aleatory messages embedded on chaotic laser signals: An information theory approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1018-1023.	0.9	36
112	Permutation entropy of fractional Brownian motion and fractional Gaussian noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4768-4774.	0.9	85
113	Fractional Brownian motion, fractional Gaussian noise, and Tsallis permutation entropy. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6057-6068.	1.2	66
114	A multifractal approach for stock market inefficiency. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6558-6566.	1.2	254
115	Diabetic Erythrocytes Test by Correlation Coefficient. Open Medical Informatics Journal, 2008, 2, 105-111.	1.0	4
116	Discrimination Measure of Correlations in a Population of Neurons by Using the Jensen-Shannon Divergence. AIP Conference Proceedings, 2007, , .	0.3	4
117	Brain Maturation Changes Characterized by Algorithmic Complexity (Lempel and Ziv Complexity). AIP Conference Proceedings, 2007, , .	0.3	0
118	Wavelet Analysis of Spatiotemporal Network Oscillations Evoked in the Incilaria Brain. AIP Conference Proceedings, 2007, , .	0.3	0
119	Study of EEG Brain Maturation Signals with Multifractal Detrended Fluctuation Analysis. AIP Conference Proceedings, 2007, , .	0.3	10
120	Statistical Complexity Analysis of the Chaotic Response of a Semiconductor Laser subject to Optical Feedback. , 2007, , .		0
121	Characterization of Gaussian self-similar stochastic processes using wavelet-based informational tools. Physical Review E, 2007, 75, 021115.	0.8	38
122	Entropy changes in brain function. International Journal of Psychophysiology, 2007, 64, 75-80.	0.5	52
123	Extracting features of Gaussian self-similar stochastic processes via the Bandt-Pompe approach. Physical Review E, 2007, 76, 061114.	0.8	56
124	Alterations of thalassemic erythrocytes detected by wavelet entropy. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 257-264.	1.2	12
125	Wavelet Jensen–Shannon divergence as a tool for studying the dynamics of frequency band components in EEG epileptic seizures. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 122-132.	1.2	16
126	Wavelet entropy of stochastic processes. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 503-512.	1.2	53

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127	Self-organizing dynamics of human erythrocytes under shear stress. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 770-775.	1.2	6
128	Bandtâ€"Pompe approach to the classical-quantum transition. Physica D: Nonlinear Phenomena, 2007, 233, 21-31.	1.3	80
129	Model-free stochastic processes studied with q-wavelet-based informational tools. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 259-266.	0.9	19
130	Distinguishing Noise from Chaos. Physical Review Letters, 2007, 99, 154102.	2.9	504
131	Inefficiency in Latin-American market indices. European Physical Journal B, 2007, 60, 111-121.	0.6	36
132	Multifractal detrented fluctuation analysis of tonic-clonic epileptic seizures. European Physical Journal: Special Topics, 2007, 143, 117-123.	1.2	17
133	Characterization of laser propagation through turbulent media by quantifiers based on the wavelet transform: Dynamic study. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 79-86.	1.2	13
134	Wavelet entropy and fractional Brownian motion time series. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 282-288.	1.2	32
135	Random number generators and causality. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 421-425.	0.9	32
136	EEG analysis using wavelet-based information tools. Journal of Neuroscience Methods, 2006, 153, 163-182.	1.3	182
137	Generalized statistical complexity measures: Geometrical and analytical properties. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 439-462.	1.2	285
138	Intensive statistical complexity measure of pseudorandom number generators. Physica A: Statistical Mechanics and Its Applications, 2005, 356, 133-138.	1.2	59
139	Quantitative EEG analysis of the maturational changes associated with childhood absence epilepsy. Physica A: Statistical Mechanics and Its Applications, 2005, 356, 184-189.	1.2	19
140	Evidence of self-organization in brain electrical activity using wavelet-based informational tools. Physica A: Statistical Mechanics and Its Applications, 2005, 347, 444-464.	1.2	28
141	Statistical complexity measure of pseudorandom bit generators. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 281-300.	1.2	32
142	Entropy and statistical complexity in brain activity. Europhysics News, 2005, 36, 224-228.	0.1	17
143	The Australian EEG Database. Clinical EEG and Neuroscience, 2005, 36, 76-81.	0.9	44
144	ENTROPIC NON-TRIVIALITY, THE CLASSICAL LIMIT AND GEOMETRY-DYNAMICS CORRELATIONS. International Journal of Modern Physics B, 2005, 19, 2273-2285.	1.0	21

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145	CHARACTERIZATION OF LASER PROPAGATION THROUGH TURBULENT MEDIA BY QUANTIFIERS BASED ON THE WAVELET TRANSFORM. Fractals, 2004, 12, 223-233.	1.8	15
146	Analysis of wavelet-filtered tonic-clonic electroencephalogram recordings. Medical and Biological Engineering and Computing, 2004, 42, 516-523.	1.6	32
147	Intensive entropic non-triviality measure. Physica A: Statistical Mechanics and Its Applications, 2004, 334, 119-131.	1.2	263
148	Nonlinear Dynamic Analysis of Scalp EEG Epileptic Signals. Nonlinear Phenomena and Complex Systems, 2004, , 149-157.	0.0	1
149	A measure of self-organization in neural activity. Nonlinear Phenomena and Complex Systems, 2004, , 281-290.	0.0	1
150	Characterization of the Dynamical Evolution of Electroencephalogram Time Series. Nonlinear Phenomena and Complex Systems, 2004, , 333-338.	0.0	0
151	Wavelet analysis can sensitively describe dynamics of ethanol evoked local field potentials of the slug (Limax marginatus) brain. Journal of Neuroscience Methods, 2003, 129, 135-150.	1.3	7
152	Wavelet analysis of generalized tonic-clonic epileptic seizures. Signal Processing, 2003, 83, 1275-1289.	2.1	52
153	Brain electrical activity analysis using wavelet-based informational tools (II): Tsallis non-extensivity and complexity measures. Physica A: Statistical Mechanics and Its Applications, 2003, 320, 497-511.	1.2	83
154	Detection of delay time between the alterations of cardiac rhythm and periodic breathing. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 174-179.	1.2	3
155	Wavelet statistical complexity analysis of the classical limit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 180-191.	0.9	34
156	Statistical complexity and disequilibrium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 126-132.	0.9	173
157	A transient dominance of theta event-related brain potential component characterizes stimulus processing in an auditory oddball task. Clinical Neurophysiology, 2003, 114, 529-540.	0.7	42
158	Chapter 65 Time-frequency analysis of sensorial brain activity. Supplements To Clinical Neurophysiology, 2002, 54, 443-450.	2.1	7
159	Wavelet entropy analysis of event-related potentials indicates modality-independent theta dominance. Journal of Neuroscience Methods, 2002, 117, 99-109.	1.3	110
160	A discovery of new features of gastropod local field potentials by application of wavelet tools. Journal of Neuroscience Methods, 2002, 119, 89-104.	1.3	10
161	Characterization of time dynamical evolution of electroencephalographic epileptic records. Physica A: Statistical Mechanics and Its Applications, 2002, 312, 469-504.	1.2	64
162	Brain electrical activity analysis using wavelet-based informational tools. Physica A: Statistical Mechanics and Its Applications, 2002, 313, 587-608.	1.2	89

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163	A transient dominance of theta ERP component characterizes passive auditory processing: evidence from a developmental study. NeuroReport, 2001, 12, 2791-2796.	0.6	22
164	Wavelet entropy in event-related potentials: a new method shows ordering of EEG oscillations. Biological Cybernetics, 2001, 84, 291-299.	0.6	165
165	Wavelet entropy: a new tool for analysis of short duration brain electrical signals. Journal of Neuroscience Methods, 2001, 105, 65-75.	1.3	712
166	THREE-FREQUENCY RESONANCES IN DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 2181-2187.	0.7	5
167	Wavelet entropy: a measure of order in evoked potentials. Electroencephalography and Clinical Neurophysiology Supplement, 1999, 49, 299-303.	0.0	3
168	Time-frequency analysis of electroencephalogram series. III. Wavelet packets and information cost function. Physical Review E, 1998, 57, 932-940.	0.8	186
169	Applying time-frequency analysis to seizure EEG activity. IEEE Engineering in Medicine and Biology Magazine, 1997, 16, 64-71.	1.1	52
170	Using nonlinear dynamic metric tools for characterizing brain structures. IEEE Engineering in Medicine and Biology Magazine, 1997, 16, 83-92.	1.1	18
171	Searching for hidden information with Gabor Transform in generalized tonic-clonic seizures. Electroencephalography and Clinical Neurophysiology, 1997, 103, 434-439.	0.3	67
172	Characterization of Epileptic EEG Time Series (I): Gabor Transform and Nonlinear Dynamics Methods. , 1997, , 179-226.		4
173	Time-frequency analysis of electroencephalogram series. II. Gabor and wavelet transforms. Physical Review E, 1996, 54, 6661-6672.	0.8	42
174	Nonlinear Analysis of a Classical Cosmological Model. , 1996, , 233-238.		1
175	Stationarity of the EEG series. IEEE Engineering in Medicine and Biology Magazine, 1995, 14, 395-399.	1.1	129
176	Chaos in classical cosmology (II). General Relativity and Gravitation, 1995, 27, 1295-1307.	0.7	19
177	Time-frequency analysis of electroencephalogram series. Physical Review E, 1995, 51, 2624-2631.	0.8	62
178	Chaos in classical cosmology. General Relativity and Gravitation, 1994, 26, 1131-1143.	0.7	25
179	RPA and QRPA calculations for low-lying states in 96Zr. Nuclear Physics A, 1993, 563, 74-96.	0.6	8
180	Quadrupole pairing effects upon the structure of low lying ??=2+ states in Zn isotopes. Zeitschrift Für Physik A, 1991, 338, 389-395.	0.9	1

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181	Excitation energies and intensities of ??=0?, 2? charge exchange modes in spherical nuclei. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1987, 327, 51-57.	0.3	0
182	Collective effects induced by charge-exchange vibrational modes on 0âˆ' â†' 0+ and 2âˆ' â†' 0+ first-forbidden Î²-decay transitions. Nuclear Physics A, 1986, 453, 45-57.	0.6	14
183	Theoretical estimates of the 1/2? (693 keV) 3/2x002B;x002B;x002B;first-forbidden beta decay transition in111Ag. Zeitschrift FÃ¼r Physik A, 1984, 317, 201-207.	1.4	0
184	Particle-vibration coupling effects in211At. Zeitschrift FÃ¼r Physik A, 1984, 315, 333-339.	1.4	4
185	On the Î²-Î³ directional correlations in the Î²-decay of 208Tl. Nuclear Physics A, 1984, 414, 85-92.	0.6	0
186	The 1-(1.9 MeV ?-)2+ transition in the decay of148Pm. Zeitschrift FÃ¼r Physik A, 1983, 311, 119-126.	1.4	3
187	Nuclear electromagnetic moments of the ground states of148Pm and210Bi calculated with phenomenological wave functions derived from analyses of?-decay experiments. Zeitschrift FÃ¼r Physik A, 1983, 314, 365-370.	1.4	2
188	Informational Time Causal Planes: A Tool for Chaotic Map Dynamic Visualization. , 0, , .		2
189	Noise versus chaos in a causal Fisher-Shannon plane. Papers in Physics, 0, 7, 070006.	0.2	21
190	White Noise Test from Ordinal Patterns in the Entropyâ€"Complexity Plane. International Statistical Review, 0, , .	1.1	5
191	20 years of ordinal patterns: Perspectives and challenges. Europhysics Letters, 0, , .	0.7	18