

Oswaldo A Rosso

List of Publications by Year in descending order

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191
papers

8,632
citations

44066

48
h-index

51602

86
g-index

197
all docs

197
docs citations

197
times ranked

4467
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelet entropy: a new tool for analysis of short duration brain electrical signals. <i>Journal of Neuroscience Methods</i> , 2001, 105, 65-75.	2.5	712
2	Permutation Entropy and Its Main Biomedical and Econophysics Applications: A Review. <i>Entropy</i> , 2012, 14, 1553-1577.	2.2	505
3	Distinguishing Noise from Chaos. <i>Physical Review Letters</i> , 2007, 99, 154102.	7.8	504
4	Generalized statistical complexity measures: Geometrical and analytical properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 369, 439-462.	2.6	285
5	Intensive entropic non-triviality measure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 334, 119-131.	2.6	263
6	A multifractal approach for stock market inefficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6558-6566.	2.6	254
7	Forbidden patterns, permutation entropy and stock market inefficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2854-2864.	2.6	197
8	Time-frequency analysis of electroencephalogram series. III. Wavelet packets and information cost function. <i>Physical Review E</i> , 1998, 57, 932-940.	2.1	186
9	EEG analysis using wavelet-based information tools. <i>Journal of Neuroscience Methods</i> , 2006, 153, 163-182.	2.5	182
10	Permutation-information-theory approach to unveil delay dynamics from time-series analysis. <i>Physical Review E</i> , 2010, 82, 046212.	2.1	180
11	Complexity-entropy causality plane: A useful approach to quantify the stock market inefficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1891-1901.	2.6	175
12	Statistical complexity and disequilibrium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 311, 126-132.	2.1	173
13	Distinguishing chaotic and stochastic dynamics from time series by using a multiscale symbolic approach. <i>Physical Review E</i> , 2012, 86, 046210.	2.1	173
14	Wavelet entropy in event-related potentials: a new method shows ordering of EEG oscillations. <i>Biological Cybernetics</i> , 2001, 84, 291-299.	1.3	165
15	Time Scales of a Chaotic Semiconductor Laser With Optical Feedback Under the Lens of a Permutation Information Analysis. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 252-261.	1.9	161
16	Stationarity of the EEG series. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1995, 14, 395-399.	0.8	129
17	Uncovering Molecular Biomarkers That Correlate Cognitive Decline with the Changes of Hippocampus' Gene Expression Profiles in Alzheimer's Disease. <i>PLoS ONE</i> , 2010, 5, e10153.	2.5	121
18	Wavelet entropy analysis of event-related potentials indicates modality-independent theta dominance. <i>Journal of Neuroscience Methods</i> , 2002, 117, 99-109.	2.5	110

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19	Permutation entropy based time series analysis: Equalities in the input signal can lead to false conclusions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1883-1892.	2.1	100
20	Brain electrical activity analysis using wavelet-based informational tools. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 313, 587-608.	2.6	89
21	Permutation entropy of fractional Brownian motion and fractional Gaussian noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4768-4774.	2.1	85
22	Brain electrical activity analysis using wavelet-based informational tools (II): Tsallis non-extensivity and complexity measures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 497-511.	2.6	83
23	On the efficiency of sovereign bond markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4342-4349.	2.6	82
24	Bandt's Pompe approach to the classical-quantum transition. <i>Physica D: Nonlinear Phenomena</i> , 2007, 233, 21-31.	2.8	80
25	Detecting and quantifying stochastic and coherence resonances via information-theory complexity measurements. <i>Physical Review E</i> , 2009, 79, 040106.	2.1	80
26	Multifractal structure in Latin-American market indices. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2331-2340.	5.1	75
27	Entropy analysis of the dynamics of El Niño/Southern Oscillation during the Holocene. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5022-5027.	2.6	71
28	Commodity predictability analysis with a permutation information theory approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 876-890.	2.6	71
29	Distinguishing Noise from Chaos: Objective versus Subjective Criteria Using Horizontal Visibility Graph. <i>PLoS ONE</i> , 2014, 9, e108004.	2.5	69
30	An analysis of high-frequency cryptocurrencies prices dynamics using permutation-information-theory quantifiers. <i>Chaos</i> , 2018, 28, 075511.	2.5	68
31	Searching for hidden information with Gabor Transform in generalized tonic-clonic seizures. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 103, 434-439.	0.3	67
32	Fractional Brownian motion, fractional Gaussian noise, and Tsallis permutation entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6057-6068.	2.6	66
33	Characterization of time dynamical evolution of electroencephalographic epileptic records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 312, 469-504.	2.6	64
34	Causality and the entropy-complexity plane: Robustness and missing ordinal patterns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 42-55.	2.6	64
35	Time-frequency analysis of electroencephalogram series. <i>Physical Review E</i> , 1995, 51, 2624-2631.	2.1	62
36	Characterizing the Hyperchaotic Dynamics of a Semiconductor Laser Subject to Optical Feedback Via Permutation Entropy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 1250-1257.	2.9	62

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37	Detecting and quantifying temporal correlations in stochastic resonance via information theory measures. <i>European Physical Journal B</i> , 2009, 69, 37-43.	1.5	60
38	Intensive statistical complexity measure of pseudorandom number generators. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 356, 133-138.	2.6	59
39	Contrasting chaos with noise via local versus global information quantifiers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1577-1583.	2.1	59
40	Extracting features of Gaussian self-similar stochastic processes via the Bandt-Pompe approach. <i>Physical Review E</i> , 2007, 76, 061114.	2.1	56
41	Shakespeare and other English Renaissance authors as characterized by Information Theory complexity quantifiers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 916-926.	2.6	55
42	Characterization of chaotic maps using the permutation Bandt-Pompe probability distribution. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	55
43	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.	4.0	55
44	Permutation min-entropy: An improved quantifier for unveiling subtle temporal correlations. <i>Europhysics Letters</i> , 2015, 109, 10005.	2.0	55
45	Wavelet entropy of stochastic processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 503-512.	2.6	53
46	Applying time-frequency analysis to seizure EEG activity. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1997, 16, 64-71.	0.8	52
47	Wavelet analysis of generalized tonic-clonic epileptic seizures. <i>Signal Processing</i> , 2003, 83, 1275-1289.	3.7	52
48	Entropy changes in brain function. <i>International Journal of Psychophysiology</i> , 2007, 64, 75-80.	1.0	52
49	Randomizing nonlinear maps via symbolic dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3373-3383.	2.6	51
50	GENERALIZED STATISTICAL COMPLEXITY MEASURE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 775-785.	1.7	47
51	Distances in Probability Space and the Statistical Complexity Setup. <i>Entropy</i> , 2011, 13, 1055-1075.	2.2	47
52	Quantifying the statistical complexity of low-frequency fluctuations in semiconductor lasers with optical feedback. <i>Physical Review A</i> , 2010, 82, .	2.5	45
53	The Australian EEG Database. <i>Clinical EEG and Neuroscience</i> , 2005, 36, 76-81.	1.7	44
54	Time-frequency analysis of electroencephalogram series. II. Gabor and wavelet transforms. <i>Physical Review E</i> , 1996, 54, 6661-6672.	2.1	42

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55	A transient dominance of theta event-related brain potential component characterizes stimulus processing in an auditory oddball task. <i>Clinical Neurophysiology</i> , 2003, 114, 529-540.	1.5	42
56	Missing ordinal patterns in correlated noises. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2020-2029.	2.6	42
57	Characterization of Gaussian self-similar stochastic processes using wavelet-based informational tools. <i>Physical Review E</i> , 2007, 75, 021115.	2.1	38
58	Ambiguities in Bandtâ€™s methodology for local entropic quantifiers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2518-2526.	2.6	37
59	Time series characterization via horizontal visibility graph and Information Theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 464, 93-102.	2.6	37
60	Inefficiency in Latin-American market indices. <i>European Physical Journal B</i> , 2007, 60, 111-121.	1.5	36
61	Encryption test of pseudo-aleatory messages embedded on chaotic laser signals: An information theory approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1018-1023.	2.1	36
62	Wavelet statistical complexity analysis of the classical limit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 311, 180-191.	2.1	34
63	Info-quantifiersâ€™ map-characterization revisited. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 4604-4612.	2.6	33
64	Sampling period, statistical complexity, and chaotic attractors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2564-2575.	2.6	33
65	Analysis of wavelet-filtered tonic-clonic electroencephalogram recordings. <i>Medical and Biological Engineering and Computing</i> , 2004, 42, 516-523.	2.8	32
66	Statistical complexity measure of pseudorandom bit generators. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 281-300.	2.6	32
67	Wavelet entropy and fractional Brownian motion time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 365, 282-288.	2.6	32
68	Random number generators and causality. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 352, 421-425.	2.1	32
69	A permutation information theory tour through different interest rate maturities: the Libor case. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150119.	3.4	31
70	Classification and Verification of Handwritten Signatures with Time Causal Information Theory Quantifiers. <i>PLoS ONE</i> , 2016, 11, e0166868.	2.5	30
71	Quantifiers for randomness of chaotic pseudo-random number generators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3281-3296.	3.4	29
72	The AmigÃ³ paradigm of forbidden/missing patterns: a detailed analysis. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	29

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73	Entropy-Complexity Characterization of Brain Development in Chickens. <i>Entropy</i> , 2014, 16, 4677-4692.	2.2	29
74	Evidence of self-organization in brain electrical activity using wavelet-based informational tools. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 347, 444-464.	2.6	28
75	Permutation Entropy and Statistical Complexity Analysis of Brazilian Agricultural Commodities. <i>Entropy</i> , 2019, 21, 1220.	2.2	28
76	Analyzing complex networks evolution through Information Theory quantifiers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 801-804.	2.1	26
77	Chaos in classical cosmology. <i>General Relativity and Gravitation</i> , 1994, 26, 1131-1143.	2.0	25
78	Information theory perspective on network robustness. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 359-364.	2.1	25
79	Characterization of electric load with Information Theory quantifiers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 465, 277-284.	2.6	25
80	Efficiency characterization of a large neuronal network: A causal information approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 58-70.	2.6	24
81	The (in)visible hand in the Libor market: an information theory approach. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	24
82	Learning and distinguishing time series dynamics via ordinal patterns transition graphs. <i>Applied Mathematics and Computation</i> , 2019, 362, 124554.	2.2	24
83	Monitoring the informational efficiency of European corporate bond markets with dynamical permutation min-entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 456, 1-9.	2.6	23
84	A transient dominance of theta ERP component characterizes passive auditory processing: evidence from a developmental study. <i>NeuroReport</i> , 2001, 12, 2791-2796.	1.2	22
85	Causal information quantification of prominent dynamical features of biological neurons. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150109.	3.4	22
86	A simple and fast representation space for classifying complex time series. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1021-1028.	2.1	22
87	An information theory perspective on the informational efficiency of gold price. <i>North American Journal of Economics and Finance</i> , 2019, 50, 101018.	3.5	22
88	ENTROPIC NON-TRIVIALITY, THE CLASSICAL LIMIT AND GEOMETRY-DYNAMICS CORRELATIONS. <i>International Journal of Modern Physics B</i> , 2005, 19, 2273-2285.	2.0	21
89	Distinguishing childhood absence epilepsy patients from controls by the analysis of their background brain electrical activity (II): A combinatorial optimization approach for electrode selection. <i>Journal of Neuroscience Methods</i> , 2009, 181, 257-267.	2.5	21
90	Noise versus chaos in a causal Fisher-Shannon plane. <i>Papers in Physics</i> , 0, 7, 070006.	0.2	21

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91	Characterization of vehicle behavior with information theory. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	20
92	Classification of Normal and Pre-Ictal EEG Signals Using Permutation Entropies and a Generalized Linear Model as a Classifier. <i>Entropy</i> , 2017, 19, 72.	2.2	20
93	Characterization of Visuomotor/Imaginary Movements in EEG: An Information Theory and Complex Network Approach. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	20
94	Diagnosing the Dynamics of Observed and Simulated Ecosystem Gross Primary Productivity with Time Causal Information Theory Quantifiers. <i>PLoS ONE</i> , 2016, 11, e0164960.	2.5	20
95	Chaos in classical cosmology (II). <i>General Relativity and Gravitation</i> , 1995, 27, 1295-1307.	2.0	19
96	Quantitative EEG analysis of the maturational changes associated with childhood absence epilepsy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 356, 184-189.	2.6	19
97	Model-free stochastic processes studied with q-wavelet-based informational tools. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 259-266.	2.1	19
98	Quantifying the complexity of the delayed logistic map. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 425-438.	3.4	19
99	A symbolic information approach to determine anticipated and delayed synchronization in neuronal circuit models. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150110.	3.4	19
100	A detailed characterization of complex networks using Information Theory. <i>Scientific Reports</i> , 2019, 9, 16689.	3.3	19
101	Alternative fault detection and diagnostic using information theory quantifiers based on vibration time-waveforms from condition monitoring systems: Application to operational wind turbines. <i>Renewable Energy</i> , 2021, 164, 1183-1194.	8.9	19
102	Using nonlinear dynamic metric tools for characterizing brain structures. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1997, 16, 83-92.	0.8	18
103	Causal Shannonâ€Fisher Characterization of Motor/Imagery Movements in EEG. <i>Entropy</i> , 2018, 20, 660.	2.2	18
104	Discriminating imagined and non-imagined tasks in the motor cortex area: Entropy-complexity plane with a wavelet decomposition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 511, 27-39.	2.6	18
105	20 years of ordinal patterns: Perspectives and challenges. <i>Europhysics Letters</i> , 0, , .	2.0	18
106	Entropy and statistical complexity in brain activity. <i>Europhysics News</i> , 2005, 36, 224-228.	0.3	17
107	Multifractal detrended fluctuation analysis of tonic-clonic epileptic seizures. <i>European Physical Journal: Special Topics</i> , 2007, 143, 117-123.	2.6	17
108	Wavelet Jensenâ€Shannon divergence as a tool for studying the dynamics of frequency band components in EEG epileptic seizures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 122-132.	2.6	16

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109	Quantifying instabilities in Financial Markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 606-615.	2.6	16
110	Using time causal quantifiers to characterize sleep stages. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110798.	5.1	16
111	CHARACTERIZATION OF LASER PROPAGATION THROUGH TURBULENT MEDIA BY QUANTIFIERS BASED ON THE WAVELET TRANSFORM. <i>Fractals</i> , 2004, 12, 223-233.	3.7	15
112	Rhythmic activities of the brain: Quantifying the high complexity of beta and gamma oscillations during visuomotor tasks. <i>Chaos</i> , 2018, 28, 075513.	2.5	15
113	Collective effects induced by charge-exchange vibrational modes on $0\hat{\alpha}^{\sim} \hat{\alpha}^{\dagger} 0+$ and $2\hat{\alpha}^{\sim} \hat{\alpha}^{\dagger} 0+$ first-forbidden \hat{I}^2 -decay transitions. <i>Nuclear Physics A</i> , 1986, 453, 45-57.	1.5	14
114	Complexity entropy-analysis of monthly rainfall time series in northeastern Brazil. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110623.	5.1	14
115	Permutation Jensen-Shannon distance: A versatile and fast symbolic tool for complex time-series analysis. <i>Physical Review E</i> , 2022, 105, 045310.	2.1	14
116	Characterization of laser propagation through turbulent media by quantifiers based on the wavelet transform: Dynamic study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 364, 79-86.	2.6	13
117	Performance of encryption schemes in chaotic optical communication: A multifractal approach. <i>Optics Communications</i> , 2009, 282, 4587-4594.	2.1	13
118	A Quantitative Analysis of an EEG Epileptic Record Based on MultiresolutionWavelet Coefficients. <i>Entropy</i> , 2014, 16, 5976-6005.	2.2	13
119	Quantifying long-range correlations with a multiscale ordinal pattern approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 445, 283-294.	2.6	13
120	Feature evaluation for unsupervised bioacoustic signal segmentation of anuran calls. <i>Expert Systems With Applications</i> , 2018, 106, 107-120.	7.6	13
121	Alterations of thalassemic erythrocytes detected by wavelet entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 375, 257-264.	2.6	12
122	Revisiting the European sovereign bonds with a permutation-information-theory approach. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	12
123	Efficiency and credit ratings: a permutation-information-theory analysis. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P08007.	2.3	12
124	Bandt-Pompe symbolization dynamics for time series with tied values: A data-driven approach. <i>Chaos</i> , 2018, 28, 075502.	2.5	12
125	Study about vehicles velocities using time causal Information Theory quantifiers. <i>Ad Hoc Networks</i> , 2019, 89, 22-34.	5.5	12
126	Analysis and Classification of SAR Textures Using Information Theory. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 663-675.	4.9	12

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127	Distinguishing childhood absence epilepsy patients from controls by the analysis of their background brain electrical activity. <i>Journal of Neuroscience Methods</i> , 2009, 177, 461-468.	2.5	11
128	Tsallis's statistics in the variability of El Niño/Southern Oscillation during the Holocene epoch. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2154-2162.	2.6	11
129	Nonlinear dynamics of river runoff elucidated by horizontal visibility graphs. <i>Chaos</i> , 2018, 28, 075520.	2.5	11
130	A discovery of new features of gastropod local field potentials by application of wavelet tools. <i>Journal of Neuroscience Methods</i> , 2002, 119, 89-104.	2.5	10
131	Study of EEG Brain Maturation Signals with Multifractal Detrended Fluctuation Analysis. <i>AIP Conference Proceedings</i> , 2007, . .	0.4	10
132	Ghost stochastic resonance induced by a power-law distributed noise in the FitzHugh-Nagumo neuron model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 641-649.	3.3	10
133	Complexity of Simple, Switched and Skipped Chaotic Maps in Finite Precision. <i>Entropy</i> , 2018, 20, 135.	2.2	10
134	Inhibitory autapse mediates anticipated synchronization between coupled neurons. <i>Physical Review E</i> , 2019, 99, 062411.	2.1	10
135	Analysis of ischaemic crisis using the informational causal entropy-complexity plane. <i>Chaos</i> , 2018, 28, 075518.	2.5	9
136	Leveraging the self-transition probability of ordinal patterns transition network for transportation mode identification based on GPS data. <i>Nonlinear Dynamics</i> , 2022, 107, 889-908.	5.2	9
137	RPA and QRPA calculations for low-lying states in ^{96}Zr . <i>Nuclear Physics A</i> , 1993, 563, 74-96.	1.5	8
138	Statistical complexity is maximized close to criticality in cortical dynamics. <i>Physical Review E</i> , 2021, 103, 012415.	2.1	8
139	Chapter 65 Time-frequency analysis of sensorial brain activity. <i>Supplements To Clinical Neurophysiology</i> , 2002, 54, 443-450.	2.1	7
140	Wavelet analysis can sensitively describe dynamics of ethanol evoked local field potentials of the slug (<i>Limax marginatus</i>) brain. <i>Journal of Neuroscience Methods</i> , 2003, 129, 135-150.	2.5	7
141	CRUDE OIL MARKET AND GEOPOLITICAL EVENTS: AN ANALYSIS BASED ON INFORMATION-THEORY-BASED QUANTIFIERS. <i>Fuzzy Economic Review</i> , 2016, 21, .	0.4	7
142	Self-organizing dynamics of human erythrocytes under shear stress. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 770-775.	2.6	6
143	Quantifying complexity of the chaotic regime of a semiconductor laser subject to feedback via information theory measures. , 2010, , .		6
144	Libor at crossroads: Stochastic switching detection using information theory quantifiers. <i>Chaos, Solitons and Fractals</i> , 2016, 88, 172-182.	5.1	6

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145	Multiscale permutation entropy analysis of laser beam wandering in isotropic turbulence. <i>Physical Review E</i> , 2017, 96, 042207.	2.1	6
146	Evaluation of the status of rotary machines by time causal Information Theory quantifiers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 321-329.	2.6	6
147	THREE-FREQUENCY RESONANCES IN DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 2181-2187.	1.7	5
148	Model Selection: Using Information Measures from Ordinal Symbolic Analysis to Select Model Subgrid-Scale Parameterizations. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 3253-3269.	1.7	5
149	A path integral approach to the Hodgkin-Huxley model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 986-999.	2.6	5
150	Estimating ecoacoustic activity in the Amazon rainforest through Information Theory quantifiers. <i>PLoS ONE</i> , 2020, 15, e0229425.	2.5	5
151	Leveraging Phase Transition of Topics for Event Detection in Social Media. <i>IEEE Access</i> , 2020, 8, 70505-70518.	4.2	5
152	White Noise Test from Ordinal Patterns in the Entropy-Complexity Plane. <i>International Statistical Review</i> , 0, , .	1.9	5
153	Particle-vibration coupling effects in ^{211}At . <i>Zeitschrift für Physik A</i> , 1984, 315, 333-339.	1.4	4
154	Discrimination Measure of Correlations in a Population of Neurons by Using the Jensen-Shannon Divergence. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	4
155	Impairment of Erythrocytes Incubated in Glucose Medium: A Wavelet-Information Theory Analysis. <i>Cell Biochemistry and Biophysics</i> , 2011, 60, 329-334.	1.8	4
156	Characterization of Epileptic EEG Time Series (I): Gabor Transform and Nonlinear Dynamics Methods. , 1997, , 179-226.		4
157	Diabetic Erythrocytes Test by Correlation Coefficient. <i>Open Medical Informatics Journal</i> , 2008, 2, 105-111.	1.0	4
158	The $1-(1.9 \text{ MeV } \gamma)^2+$ transition in the decay of ^{148}Pm . <i>Zeitschrift für Physik A</i> , 1983, 311, 119-126.	1.4	3
159	Detection of delay time between the alterations of cardiac rhythm and periodic breathing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 174-179.	2.6	3
160	Network configurations of pain: an efficiency characterization of information transmission. <i>European Physical Journal B</i> , 2021, 94, 1.	1.5	3
161	From Continuous-Time Chaotic Systems to Pseudo Random Number Generators: Analysis and Generalized Methodology. <i>Entropy</i> , 2021, 23, 671.	2.2	3
162	Preliminary Characterization of Erythrocytes Deformability on the Entropy-Complexity Plane. <i>Open Medical Informatics Journal</i> , 2010, 4, 164-170.	1.0	3

#	ARTICLE	IF	CITATIONS
163	Wavelet entropy: a measure of order in evoked potentials. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1999, 49, 299-303.	0.0	3
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