

Haroldo V Ribeiro

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,392
citations

230014

27
h-index

286692

43
g-index

98
all docs

98
docs citations

98
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient anomalous diffusion in heterogeneous media with stochastic resetting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 588, 126560.	1.2	9
2	Determining liquid crystal properties with ordinal networks and machine learning. <i>Chaos, Solitons and Fractals</i> , 2022, 154, 111607.	2.5	19
3	Fractional Diffusion with Geometric Constraints: Application to Signal Decay in Magnetic Resonance Imaging (MRI). <i>Mathematics</i> , 2022, 10, 389.	1.1	5
4	Population density and spreading of COVID-19 in England and Wales. <i>PLoS ONE</i> , 2022, 17, e0261725.	1.1	8
5	Permutation Jensen-Shannon distance: A versatile and fast symbolic tool for complex time-series analysis. <i>Physical Review E</i> , 2022, 105, 045310.	0.8	14
6	ordpy: A Python package for data analysis with permutation entropy and ordinal network methods. <i>Chaos</i> , 2021, 31, 063110.	1.0	27
7	Association between productivity and journal impact across disciplines and career age. <i>Physical Review Research</i> , 2021, 3, .	1.3	15
8	Association between population distribution and urban GDP scaling. <i>PLoS ONE</i> , 2021, 16, e0245771.	1.1	15
9	Sorption-desorption, surface diffusion, and memory effects in a 3D system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 113202.	0.9	0
10	Commuting network effect on urban wealth scaling. <i>Scientific Reports</i> , 2021, 11, 22918.	1.6	10
11	Gender difference in candidature processes for Brazilian elections. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 537, 122525.	1.2	3
12	City size and the spreading of COVID-19 in Brazil. <i>PLoS ONE</i> , 2020, 15, e0239699.	1.1	83
13	Rural-urban scaling of age, mortality, crime and property reveals a loss of expected self-similar behaviour. <i>Scientific Reports</i> , 2020, 10, 16863.	1.6	6
14	Mapping images into ordinal networks. <i>Physical Review E</i> , 2020, 102, 052312.	0.8	12
15	Learning physical properties of liquid crystals with deep convolutional neural networks. <i>Scientific Reports</i> , 2020, 10, 7664.	1.6	44
16	Anomalous diffusion and random search in $\langle i \rangle xyz \langle /i \rangle$ -comb: exact results. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 053203.	0.9	7
17	Anomalous diffusion and sorption-desorption process in complex fluid systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 90, 105411.	1.7	2
18	Quenched and annealed disorder mechanisms in comb models with fractional operators. <i>Physical Review E</i> , 2020, 101, 022135.	0.8	18

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19	Collective dynamics of stock market efficiency. <i>Scientific Reports</i> , 2020, 10, 21992.	1.6	24
20	Effects of changing population or density on urban carbon dioxide emissions. <i>Nature Communications</i> , 2019, 10, 3204.	5.8	157
21	Characterizing stochastic time series with ordinal networks. <i>Physical Review E</i> , 2019, 100, 042304.	0.8	32
22	Extensions and solutions for nonlinear diffusion equations and random walks. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190432.	1.0	14
23	Estimating physical properties from liquid crystal textures via machine learning and complexity-entropy methods. <i>Physical Review E</i> , 2019, 99, 013311.	0.8	36
24	Clustering patterns in efficiency and the coming-of-age of the cryptocurrency market. <i>Scientific Reports</i> , 2019, 9, 1440.	1.6	62
25	The hidden traits of endemic illiteracy in cities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 566-574.	1.2	5
26	Crime prediction through urban metrics and statistical learning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 435-443.	1.2	108
27	Characterization of time series via Rényi complexity-entropy curves. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 498, 74-85.	1.2	19
28	The dynamical structure of political corruption networks. <i>Journal of Complex Networks</i> , 2018, 6, 989-1003.	1.1	72
29	Nonlinear diffusion equation with reaction terms: Analytical and numerical results. <i>Applied Mathematics and Computation</i> , 2018, 330, 254-265.	1.4	4
30	A nonlinear Fokker-Planck equation approach for interacting systems: Anomalous diffusion and Tsallis statistics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1903-1907.	0.9	12
31	History of art paintings through the lens of entropy and complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8585-E8594.	3.3	76
32	Unveiling relationships between crime and property in England and Wales via density scale-adjusted metrics and network tools. <i>PLoS ONE</i> , 2018, 13, e0192931.	1.1	10
33	Ion Motion in Electrolytic Cells: Anomalous Diffusion Evidences. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2882-2886.	1.2	17
34	Asymptotic behaviors of the Poisson-Nernst-Planck model, generalizations and best adjust of experimental data. <i>Electrochimica Acta</i> , 2017, 226, 40-45.	2.6	22
35	Characterizing time series via complexity-entropy curves. <i>Physical Review E</i> , 2017, 95, 062106.	0.8	57
36	Intermittent Motion, Nonlinear Diffusion Equation and Tsallis Formalism. <i>Entropy</i> , 2017, 19, 42.	1.1	11

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55	Electrolytic cell containing different groups of ions with anomalous diffusion approach. Journal of Electroanalytical Chemistry, 2015, 746, 25-30.	1.9	4
56	Universal bursty behaviour in human violent conflicts. Scientific Reports, 2015, 4, 4773.	1.6	23
57	Spatial correlations, clustering and percolation-like transitions in homicide crimes. Europhysics Letters, 2015, 111, 18002.	0.7	18
58	Investigating the interplay between mechanisms of anomalous diffusion via fractional Brownian walks on a comb-like structure. New Journal of Physics, 2014, 16, 093050.	1.2	28
59	Exact solution for a diffusive process on a backbone structure: Green function approach and external force. , 2014, , 196-207.		0
60	Fractional diffusion equation, boundary conditions and surface effects. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P08019.	0.9	4
61	Empirical analysis on the connection between power-law distributions and allometries for urban indicators. Physica A: Statistical Mechanics and Its Applications, 2014, 409, 175-182.	1.2	25
62	Reaction on a solid surface supplied by an anomalous mass transfer source. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 399-406.	1.2	13
63	Time dependent solutions for a fractional Schrödinger equation with delta potentials. Journal of Mathematical Physics, 2013, 54, 082107.	0.5	29
64	Diffusive process on a backbone structure with drift terms. Physical Review E, 2013, 87, 012121.	0.8	16
65	Scaling laws in the dynamics of crime growth rate. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2672-2679.	1.2	40
66	Long-range spatial correlations and fluctuation statistics of lightning activity rates in Brazil. Europhysics Letters, 2013, 104, 69001.	0.7	3
67	Antipersistent behavior of defects in a lyotropic liquid crystal during annihilation. Physical Review E, 2013, 87, 054501.	0.8	3
68	Engagement in the electoral processes: Scaling laws and the role of political positions. Physical Review E, 2013, 88, 024802.	0.8	18
69	Move-by-Move Dynamics of the Advantage in Chess Matches Reveals Population-Level Learning of the Game. PLoS ONE, 2013, 8, e54165.	1.1	12
70	First passage time for a diffusive process under a geometric constraint. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P09017.	0.9	6
71	Distance to the Scaling Law: A Useful Approach for Unveiling Relationships between Crime and Urban Metrics. PLoS ONE, 2013, 8, e69580.	1.1	71
72	Anomalous diffusion and long-range correlations in the score evolution of the game of cricket. Physical Review E, 2012, 86, 022102.	0.8	29

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73	Different diffusive regimes, generalized Langevin and diffusion equations. <i>Physical Review E</i> , 2012, 85, 011147.	0.8	33
74	Fractional Schrödinger equation with noninteger dimensions. <i>Applied Mathematics and Computation</i> , 2012, 219, 2313-2319.	1.4	17
75	Continuous Time Random Walk and different diffusive regimes. <i>Acta Scientiarum - Technology</i> , 2012, 34, .	0.4	4
76	Solutions for a fractional diffusion equation with noninteger dimensions. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 1955-1960.	0.9	13
77	Complexity-entropy causality plane: A useful approach for distinguishing songs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2421-2428.	1.2	78
78	Complexity-Entropy Causality Plane as a Complexity Measure for Two-Dimensional Patterns. <i>PLoS ONE</i> , 2012, 7, e40689.	1.1	64
79	Spreading Patterns of the Influenza A (H1N1) Pandemic. <i>PLoS ONE</i> , 2011, 6, e17823.	1.1	10
80	Non-Markovian diffusion equation and diffusion in a porous catalyst. <i>Chemical Engineering Journal</i> , 2011, 172, 1083-1087.	6.6	22
81	On the dynamics of bubbles in boiling water. <i>Chaos, Solitons and Fractals</i> , 2011, 44, 178-183.	2.5	2
82	Anomalous diffusion in a symbolic model. <i>Physica Scripta</i> , 2011, 83, 045007.	1.2	2
83	The soundscape dynamics of human agglomeration. <i>New Journal of Physics</i> , 2011, 13, 023028.	1.2	5
84	Solutions for a diffusion equation with a backbone term. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P02022.	0.9	9
85	Scaling laws and universality in the choice of election candidates. <i>Europhysics Letters</i> , 2011, 96, 48001.	0.7	30
86	Exact propagator for a Fokker-Planck equation, first passage time distribution, and anomalous diffusion. <i>Journal of Mathematical Physics</i> , 2011, 52, 083301.	0.5	5
87	Universal patterns in sound amplitudes of songs and music genres. <i>Physical Review E</i> , 2011, 83, 017101.	0.8	11
88	Anomalous-diffusion approach applied to the electrical response of water. <i>Physical Review E</i> , 2011, 84, 041128.	0.8	43
89	Dynamics of tournaments: the soccer case. <i>European Physical Journal B</i> , 2010, 75, 327-334.	0.6	19
90	Solutions for a non-Markovian diffusion equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4193-4198.	0.9	15

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91	Earthquake-like patterns of acoustic emission in crumpled plastic sheets. Europhysics Letters, 2010, 92, 29001.	0.7	14
92	Continuous-time random walk as a guide to fractional Schrödinger equation. Journal of Mathematical Physics, 2010, 51, 092102.	0.5	16
93	Symbolic sequences and Tsallis entropy. Brazilian Journal of Physics, 2009, 39, 444-447.	0.7	5
94	Sobre a Detecção de Autocorrelações em Séries Temporais: Uma Comparação Objetiva entre Análise de Flutuações, Transformações Wavelet e Análise Entrópica. , 0, , .		0