

# Gilney Figueira Zebende

## List of Publications by Year in descending order

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55  
papers

2,107  
citations

257101

24  
h-index

233125

45  
g-index

56  
all docs

56  
docs citations

56  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detrended Correlogram Method for Non-Stationary Time-Series Analysis. Fluctuation and Noise Letters, 2022, 21, .	1.0	3
2	Stock market efficiency: An intraday case of study about the G-20 group. Heliyon, 2022, 8, e08808.	1.4	11
3	Controle Geodésico do Nível do Mar em Salvador: Análises e Correlações. Revista Brasileira De Cartografia, 2021, 73, 470-488.	0.1	0
4	DCCA cross-correlation analysis in time-series with removed parts. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123472.	1.2	10
5	$\bar{x}, y$ between open-close stock markets. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122152.	1.2	2
6	DCCA cross-correlation coefficient with sliding windows approach. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121286.	1.2	30
7	An econophysics approach to study the effect of BREXIT referendum on European Union stock markets. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 1175-1182.	1.2	25
8	Analysis of the EEG bio-signals during the reading task by $\langle \text{DCCCF} \rangle$ method. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 664-671.	1.2	11
9	The return and volatility nexus among stock market and macroeconomic fundamentals for China. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121025.	1.2	11
10	Detrended Multiple Cross-Correlation Coefficient applied to solar radiation, air temperature and relative humidity. Scientific Reports, 2019, 9, 19764.	1.6	14
11	Hydropathic wave ordering of alpha crystallin Membrane interactions enhances human lens transparency and resists cataracts. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 573-579.	1.2	2
12	Differential market reactions to pre and post Brexit referendum. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 151-158.	1.2	30
13	Why human milk is more nutritious than cow milk. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 302-309.	1.2	0
14	Statistical test for $\langle \hat{\rho} \rangle$ coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 134-140.	1.2	30
15	A sliding windows approach to analyse the evolution of bank shares in the European Union. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1355-1367.	1.2	27
16	Statistical test for $\langle \hat{\rho} \rangle$ applied between air temperature and relative humidity: An hour/hour view. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 117-126.	1.2	63
17	Statistical test for $\langle \hat{\rho} \rangle$ and data. Data in Brief, 2018, 18, 795-798.	1.5	21
18	Cross-correlation in a turbulent flow: Analysis of the velocity field using the $\langle \hat{\rho} \rangle$ coefficient. Europhysics Letters, 2018, 123, 20011.	0.7	12

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19	Detrended Multiple Cross-Correlation Coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 91-97.	1.2	40
20	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
21	DCCA cross-correlation in blue-chips companies: A view of the 2008 financial crisis in the Eurozone. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 38-47.	1.2	41
22	Analysis of the variability in the sdB star KIC 10670103: DFA approach. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2638-2642.	1.6	15
23	Oil price and exchange rate co-movements in Asian countries: Detrended cross-correlation approach. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 338-346.	1.2	81
24	Auto-correlation in the motor/imaginary human EEG signals: A vision about the FDFA fluctuations. PLoS ONE, 2017, 12, e0183121.	1.1	17
25	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
26	Quantifying the contagion effect of the 2008 financial crisis between the G7 countries (by GDP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.2	62
27	Why does the Euro fail? The DCCA approach. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 543-554.	1.2	34
28	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
29	Oil and US dollar exchange rate dependence: A detrended cross-correlation approach. Energy Economics, 2014, 42, 132-139.	5.6	170
30	Autocorrelation and cross-correlation in time series of homicide and attempted homicide. Physica A: Statistical Mechanics and Its Applications, 2014, 400, 12-19.	1.2	54
31	DCCA cross-correlation coefficient differentiation: Theoretical and practical approaches. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1756-1761.	1.2	91
32	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
33	DCCA cross-correlation coefficient: Quantifying level of cross-correlation. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 614-618.	1.2	457
34	Study of cross-correlation in a self-affine time series of taxi accidents. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1677-1683.	1.2	43
35	X-ray binary systems and nonextensivity. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 854-858.	1.2	12
36	Learning computer programming: Implementing a fractal in a Turing Machine. Computers and Education, 2010, 55, 767-776.	5.1	22

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37	Self-similarity and protein compactness. <i>Physical Review E</i> , 2009, 80, 041908.	0.8	14
38	GEOMETRIC STRUCTURAL ASPECTS OF PROTEINS AND NEWCOMB-BENFORD LAW. <i>International Journal of Modern Physics C</i> , 2009, 20, 1981-1988.	0.8	3
39	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
40	SELF-AFFINITY OF VEHICLE DEMAND ON THE FERRY-BOAT SYSTEM. <i>International Journal of Modern Physics C</i> , 2008, 19, 665-669.	0.8	10
41	Propagating free-space nonparaxial beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3297.	0.8	15
42	Amino acid hydrophobicity and accessible surface area. <i>Physical Review E</i> , 2007, 75, 011920.	0.8	104
43	Protein chain packing and percolation threshold. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 361, 250-254.	1.2	19
44	NEWCOMB-BENFORD LAW IN ASTROPHYSICAL SOURCES. <i>International Journal of Modern Physics C</i> , 2006, 17, 1597-1604.	0.8	15
45	Universal persistence in astrophysical sources. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 349, 452-458.	1.2	17
46	Self-similarity and protein chains. <i>Physical Review E</i> , 2005, 71, 012901.	0.8	26
47	Studying long-range correlations in a liquid-vapor-phase transition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 322-328.	1.2	35
48	Fluctuation analysis of stellar x-ray binary systems. <i>Physical Review E</i> , 2003, 68, 041104.	0.8	43
49	Multiple trapping of vortex lines by a regular array of pinning centers. <i>Physical Review B</i> , 2002, 66, .	1.1	30
50	Vortex configurations on mesoscopic cylinders with square cross section. <i>Brazilian Journal of Physics</i> , 2002, 32, 690-694.	0.7	4
51	Magnetic properties of the transition to localized superconductivity around columnar defects. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 358-360.	1.0	2
52	DNA evolution and successive file editions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 136-140.	1.2	2
53	Long-range correlations in computer diskettes. <i>Physical Review E</i> , 1998, 57, 3311-3314.	0.8	26
54	The Domany-Kinzel cellular automaton: relaxation time, susceptibility and constrained dynamics. <i>Journal of Physics A</i> , 1994, 27, 1-8.	1.6	11

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55	The Domany-Kinzel cellular automaton phase diagram. Journal of Statistical Physics, 1994, 74, 1273-1279.	0.5	19