

# Gilney Figueira Zebende

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8339997/publications.pdf>

Version: 2024-02-01

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	DCCA cross-correlation coefficient: Quantifying level of cross-correlation. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 614-618.	1.2	457
2	Oil and US dollar exchange rate dependence: A detrended cross-correlation approach. Energy Economics, 2014, 42, 132-139.	5.6	170
3	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
4	Amino acid hydrophobicity and accessible surface area. Physical Review E, 2007, 75, 011920.	0.8	104
5	DCCA cross-correlation coefficient differentiation: Theoretical and practical approaches. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1756-1761.	1.2	91
6	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
7	Quantifying the contagion effect of the 2008 financial crisis between the G7 countries (by GDP) $T_j ETQq1 1 0.784314 rgBT /Oyerlock 62$	1.2	62
8	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
9	Cross-correlation between time series of vehicles and passengers. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4863-4866.	1.2	53
10	Fluctuation analysis of stellar x-ray binary systems. Physical Review E, 2003, 68, 041104.	0.8	43
11	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
12	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
13	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
14	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
15	Detrended Multiple Cross-Correlation Coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 91-97.	1.2	40
16	Studying long-range correlations in a liquid-vapor-phase transition. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 322-328.	1.2	35
17	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml21" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \tilde{\rho} \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mi \rangle D \langle /mml:mi \rangle \langle mml:mi \rangle C \langle /mml:mi \rangle$ applied between air temperature and relative humidity: An hour/hour view. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 17-26.	1.2	35
18	Why does the Euro fail? The DCCA approach. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 543-554.	1.2	34

#	ARTICLE	IF	CITATIONS
19	Multiple trapping of vortex lines by a regular array of pinning centers. Physical Review B, 2002, 66, .	1.1	30
20	Statistical test for $\langle \hat{\rho} \rangle$ coefficient. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 134-140.	1.2	30
21	DCCA cross-correlation coefficient with sliding windows approach. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121286.	1.2	30
22	Differential market reactions to pre and post Brexit referendum. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 151-158.	1.2	30
23	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
24	Long-range correlations in computer diskettes. Physical Review E, 1998, 57, 3311-3314.	0.8	26
25	Self-similarity and protein chains. Physical Review E, 2005, 71, 012901.	0.8	26
26	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
27	Learning computer programming: Implementing a fractal in a Turing Machine. Computers and Education, 2010, 55, 767-776.	5.1	22
28	Statistical test for $\langle \hat{\rho} \rangle$ DCCA: Methods and data. Data in Brief, 2018, 18, 795-798.	0.5	21
29	The Domany-Kinzel cellular automaton phase diagram. Journal of Statistical Physics, 1994, 74, 1273-1279.	0.5	19
30	Protein chain packing and percolation threshold. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 250-254.	1.2	19
31	Universal persistence in astrophysical sources. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 452-458.	1.2	17
32	Auto-correlation in the motor/imaginary human EEG signals: A vision about the FDFA fluctuations. PLoS ONE, 2017, 12, e0183121.	1.1	17
33	NEWCOMB-BENFORD LAW IN ASTROPHYSICAL SOURCES. International Journal of Modern Physics C, 2006, 17, 1597-1604.	0.8	15
34	Propagating free-space nonparaxial beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 3297.	0.8	15
35	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
36	Self-similarity and protein compactness. Physical Review E, 2009, 80, 041908.	0.8	14

#	ARTICLE	IF	CITATIONS
37	Detrended Multiple Cross-Correlation Coefficient applied to solar radiation, air temperature and relative humidity. Scientific Reports, 2019, 9, 19764.	1.6	14
38	X-ray binary systems and nonextensivity. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 854-858.	1.2	12
39	Cross-correlation in a turbulent flow: Analysis of the velocity field using the $\langle i \rangle$ coefficient. Europhysics Letters, 2018, 123, 20011.	0.7	12
40	The Domany-Kinzel cellular automaton: relaxation time, susceptibility and constrained dynamics. Journal of Physics A, 1994, 27, 1-8.	1.6	11
41	Analysis of the EEG bio-signals during the reading task by $\langle i \rangle$ method. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 664-671.	1.2	11
42	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
43	Stock market efficiency: An intraday case of study about the G-20 group. Heliyon, 2022, 8, e08808.	1.4	11
44	SELF-AFFINITY OF VEHICLE DEMAND ON THE FERRY-BOAT SYSTEM. International Journal of Modern Physics C, 2008, 19, 665-669.	0.8	10
45	DCCA cross-correlation analysis in time-series with removed parts. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123472.	1.2	10
46	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
47	Vortex configurations on mesoscopic cylinders with square cross section. Brazilian Journal of Physics, 2002, 32, 690-694.	0.7	4
48	GEOMETRIC STRUCTURAL ASPECTS OF PROTEINS AND NEWCOMBâ€“BENFORD LAW. International Journal of Modern Physics C, 2009, 20, 1981-1988.	0.8	3
49	Detrended Correlogram Method for Non-Stationary Time-Series Analysis. Fluctuation and Noise Letters, 2022, 21, .	1.0	3
50	DNA evolution and successive file editions. Physica A: Statistical Mechanics and Its Applications, 1998, 257, 136-140.	1.2	2
51	Magnetic properties of the transition to localized superconductivity around columnar defects. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 358-360.	1.0	2
52	$\langle i \rangle, y$ between open-close stock markets. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122152.	1.2	2
53	Hydrophobic wave ordering of alpha crystallinâ€“Membrane interactions enhances human lens transparency and resists cataracts. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 573-579.	1.2	2
54	Why human milk is more nutritious than cow milk. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 302-309.	1.2	0

#	ARTICLE	IF	CITATIONS
55	Controle Geodésico do Nível do Mar em Salvador: Análises e Correlações. Revista Brasileira De Cartografia, 2021, 73, 470-488.	0.1	0