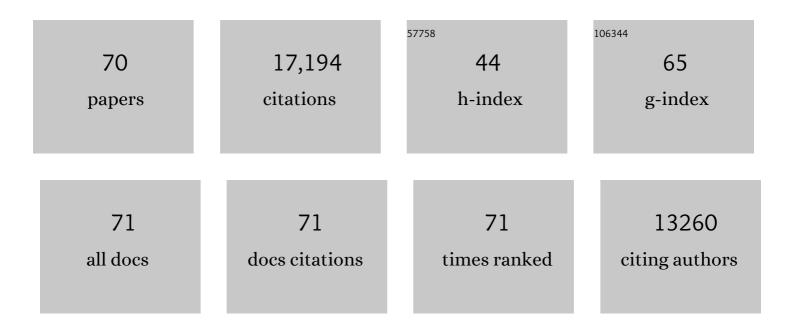
## Luis A Nunes Amaral

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The characteristics of early-stage research into human genes are substantially different from subsequent research. PLoS Biology, 2022, 20, e3001520.	5.6	5
2	The first step is recognizing there is a problem: a methodology for adjusting for variability in disease severity when estimating clinician performance. BMC Medical Research Methodology, 2022, 22, 69.	3.1	0
3	Spreader events and the limitations of projected networks for capturing dynamics on multipartite networks. Physical Review E, 2021, 103, 022320.	2.1	1
4	Centrality anomalies in complex networks as a result of model over-simplification. New Journal of Physics, 2020, 22, 013043.	2.9	13
5	Long-term patterns of gender imbalance in an industry without ability or level of interest differences. PLoS ONE, 2020, 15, e0229662.	2.5	3
6	COVID-19 research risks ignoring important host genes due to pre-established research patterns. ELife, 2020, 9, .	6.0	14
7	Reply to: Four personality types may be neither robust nor exhaustive. Nature Human Behaviour, 2019, 3, 1047-1048.	12.0	3
8	Reply to "Far away from the lamppost― PLoS Biology, 2018, 16, e3000075.	5.6	2
9	A robust data-driven approach identifies four personality types across four large data sets. Nature Human Behaviour, 2018, 2, 735-742.	12.0	123
10	Large-scale investigation of the reasons why potentially important genes are ignored. PLoS Biology, 2018, 16, e2006643.	5.6	188
11	Differences in Collaboration Patterns across Discipline, Career Stage, and Gender. PLoS Biology, 2016, 14, e1002573.	5.6	100
12	High-Reproducibility and High-Accuracy Method for Automated Topic Classification. Physical Review X, 2015, 5, .	8.9	45
13	The Distribution of the Asymptotic Number of Citations to Sets of Publications by a Researcher or from an Academic Department Are Consistent with a Discrete Lognormal Model. PLoS ONE, 2015, 10, e0143108.	2.5	23
14	Cross-evaluation of metrics to estimate the significance of creative works. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1281-1286.	7.1	30
15	A Solution to the Challenge of Optimization on ''Golf-Course''-Like Fitness Landscapes. PLoS ONE, 2013, 8, e78401.	2.5	2
16	Phenomenological Model for Predicting the Catabolic Potential of an Arbitrary Nutrient. PLoS Computational Biology, 2012, 8, e1002762.	3.2	2
17	The Possible Role of Resource Requirements and Academic Career-Choice Risk on Gender Differences in Publication Rate and Impact. PLoS ONE, 2012, 7, e51332.	2.5	179
18	Duality between Time Series and Networks. PLoS ONE, 2011, 6, e23378.	2.5	180

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19	The role of body mass in diet contiguity and food-web structure. Journal of Animal Ecology, 2011, 80, 632-639.	2.8	57
20	Statistical validation of a global model for the distribution of the ultimate number of citations accrued by papers published in a scientific journal. Journal of the Association for Information Science and Technology, 2010, 61, 1377-1385.	2.6	79
21	Quantifying the Performance of Individual Players in a Team Activity. PLoS ONE, 2010, 5, e10937.	2.5	236
22	Levels of complexity in scale-invariant neural signals. Physical Review E, 2009, 79, 041920.	2.1	143
23	On Universality in Human Correspondence Activity. Science, 2009, 325, 1696-1700.	12.6	167
24	Price dynamics in political prediction markets. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 679-684.	7.1	34
25	A truer measure of our ignorance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6795-6796.	7.1	43
26	Effectiveness of Journal Ranking Schemes as a Tool for Locating Information. PLoS ONE, 2008, 3, e1683.	2.5	134
27	Extracting the hierarchical organization of complex systems. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15224-15229.	7.1	465
28	Module identification in bipartite and directed networks. Physical Review E, 2007, 76, 036102.	2.1	324
29	Evidence for the existence of a robust pattern of prey selection in food webs. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1931-1940.	2.6	167
30	A robust measure of food web intervality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19015-19020.	7.1	116
31	Lies, damned lies and statistics. Nature Physics, 2006, 2, 75-76.	16.7	40
32	Cartography of complex networks: modules and universal roles. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P02001.	2.3	517
33	Functional cartography of complex metabolic networks. Nature, 2005, 433, 895-900.	27.8	3,086
34	Scaling phenomena in the growth dynamics of scientific output. Journal of the Association for Information Science and Technology, 2005, 56, 893-902.	2.6	24
35	Novel Collaborations within Experienced Teams Lead to Best Research Outcomes. Annals of Vascular Surgery, 2005, 19, 753-754.	0.9	3
36	Canalizing Kauffman Networks: Nonergodicity and Its Effect on Their Critical Behavior. Physical Review Letters, 2005, 94, 218702.	7.8	59

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37	Team Assembly Mechanisms Determine Collaboration Network Structure and Team Performance. Science, 2005, 308, 697-702.	12.6	899
38	Heuristic segmentation of a nonstationary time series. Physical Review E, 2004, 69, 021108.	2.1	47
39	Modularity from fluctuations in random graphs and complex networks. Physical Review E, 2004, 70, 025101.	2.1	680
40	Statistical Properties of Commodity Price Fluctuations. , 2004, , 192-197.		1
41	Sexual networks: implications for the transmission of sexually transmitted infections. Microbes and Infection, 2003, 5, 189-196.	1.9	217
42	Asymmetrical singularities in real-world signals. Physical Review E, 2003, 68, 065204.	2.1	46
43	Analytical solution of a model for complex food webs. Physical Review E, 2002, 65, 030901.	2.1	54
44	Extremum Statistics in Scale-Free Network Models. Physical Review Letters, 2002, 89, 268703.	7.8	36
45	Truncation of Power Law Behavior in "Scale-Free―Network Models due to Information Filtering. Physical Review Letters, 2002, 88, 138701.	7.8	172
46	Robust Patterns in Food Web Structure. Physical Review Letters, 2002, 88, 228102.	7.8	245
47	Different scaling behaviors of commodity spot and future prices. Physical Review E, 2002, 66, 045103.	2.1	60
48	Random matrix approach to cross correlations in financial data. Physical Review E, 2002, 65, 066126.	2.1	758
49	Quantifying Empirical Economic Fluctuations using the Organizing Principles of Scale Invariance and Universality. , 2002, , 3-11.		0
50	Quantifying economic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2001, 302, 126-137.	2.6	11
51	The web of human sexual contacts. Nature, 2001, 411, 907-908.	27.8	1,384
52	From 1/f noise to multifractal cascades in heartbeat dynamics. Chaos, 2001, 11, 641-652.	2.5	431
53	Behavioral-Independent Features of Complex Heartbeat Dynamics. Physical Review Letters, 2001, 86, 6026-6029.	7.8	305
54	Scale Invariance in the Nonstationarity of Human Heart Rate. Physical Review Letters, 2001, 87, 168105.	7.8	222

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55	ECONOPHYSICS: WHAT CAN PHYSICISTS CONTRIBUTE TO ECONOMICS?. International Journal of Theoretical and Applied Finance, 2000, 03, 335-346.	0.5	9
56	APPLICATION OF RANDOM MATRIX THEORY TO STUDY CROSS-CORRELATIONS OF STOCK PRICES. International Journal of Theoretical and Applied Finance, 2000, 03, 399-403.	0.5	14
57	Economic fluctuations and anomalous diffusion. Physical Review E, 2000, 62, R3023-R3026.	2.1	210
58	Small-World Networks: Evidence for a Crossover Picture. Physical Review Letters, 1999, 82, 3180-3183.	7.8	254
59	Multifractality in human heartbeat dynamics. Nature, 1999, 399, 461-465.	27.8	1,474
60	Similarities between the growth dynamics of university research and of competitive economic activities. Nature, 1999, 400, 433-437.	27.8	147
61	Universal and Nonuniversal Properties of Cross Correlations in Financial Time Series. Physical Review Letters, 1999, 83, 1471-1474.	7.8	913
62	Scaling of the distribution of price fluctuations of individual companies. Physical Review E, 1999, 60, 6519-6529.	2.1	466
63	Scaling of the distribution of fluctuations of financial market indices. Physical Review E, 1999, 60, 5305-5316.	2.1	745
64	Universal Features in the Growth Dynamics of Complex Organizations. Physical Review Letters, 1998, 81, 3275-3278.	7.8	225
65	Comment on "Kinetic Roughening in Slow Combustion of Paperâ€: Physical Review Letters, 1998, 80, 5706-5706.	7.8	9
66	Scale-Independent Measures and Pathologic Cardiac Dynamics. Physical Review Letters, 1998, 81, 2388-2391.	7.8	126
67	Power Law Scaling for a System of Interacting Units with Complex Internal Structure. Physical Review Letters, 1998, 80, 1385-1388.	7.8	231
68	Scaling properties of driven interfaces in disordered media. Physical Review E, 1995, 52, 4087-4104.	2.1	82
69	Universality classes for interface growth with quenched disorder. Physical Review Letters, 1994, 73, 62-65.	7.8	105
70	A cautionary tale from the machine scientist. Nature Machine Intelligence, 0, , .	16.0	0