

Tobias Preis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

2,928
citations

28
h-index

54
g-index

62
ext. papers

3,372
ext. citations

4.4
avg, IF

5.62
L-index

#	Paper	IF	Citations
56	Quantifying trading behavior in financial markets using Google Trends. <i>Scientific Reports</i> , 2013 , 3, 1684	4.9	449
55	GPU accelerated Monte Carlo simulation of the 2D and 3D Ising model. <i>Journal of Computational Physics</i> , 2009 , 228, 4468-4477	4.1	225
54	Quantifying Wikipedia Usage Patterns Before Stock Market Moves. <i>Scientific Reports</i> , 2013 , 3,	4.9	176
53	Complex dynamics of our economic life on different scales: insights from search engine query data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 5707-19	3	166
52	Quantifying the behavior of stock correlations under market stress. <i>Scientific Reports</i> , 2012 , 2, 752	4.9	135
51	Quantifying the semantics of search behavior before stock market moves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11600-5	11.5	118
50	Quantifying the advantage of looking forward. <i>Scientific Reports</i> , 2012 , 2, 350	4.9	115
49	Linking agent-based models and stochastic models of financial markets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8388-93	11.5	110
48	Switching processes in financial markets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7674-8	11.5	107
47	Quantifying crowd size with mobile phone and Twitter data. <i>Royal Society Open Science</i> , 2015 , 2, 150162	3.3	85
46	Quantifying the relationship between financial news and the stock market. <i>Scientific Reports</i> , 2013 , 3, 3578	4.9	85
45	Adaptive nowcasting of influenza outbreaks using Google searches. <i>Royal Society Open Science</i> , 2014 , 1, 140095	3.3	76
44	The advantage of short paper titles. <i>Royal Society Open Science</i> , 2015 , 2, 150266	3.3	74
43	Multi-GPU accelerated multi-spin Monte Carlo simulations of the 2D Ising model. <i>Computer Physics Communications</i> , 2010 , 181, 1549-1556	4.2	67
42	Multi-agent-based Order Book Model of financial markets. <i>Europhysics Letters</i> , 2006 , 75, 510-516	1.6	65
41	Using deep learning to quantify the beauty of outdoor places. <i>Royal Society Open Science</i> , 2017 , 4, 170170	3.3	61
40	DEPENDENCY NETWORK AND NODE INFLUENCE: APPLICATION TO THE STUDY OF FINANCIAL MARKETS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250181	2	61

39	Quantifying the digital traces of Hurricane Sandy on Flickr. <i>Scientific Reports</i> , 2013 , 3, 3141	4.9	61
38	Using big data to predict collective behavior in the real world. <i>Behavioral and Brain Sciences</i> , 2014 , 37, 92-3	0.9	57
37	Quantifying the Impact of Scenic Environments on Health. <i>Scientific Reports</i> , 2015 , 5, 16899	4.9	52
36	Accelerated fluctuation analysis by graphic cards and complex pattern formation in financial markets. <i>New Journal of Physics</i> , 2009 , 11, 093024	2.9	44
35	Switching Phenomena in a System with No Switches. <i>Journal of Statistical Physics</i> , 2010 , 138, 431-446	1.5	43
34	Statistical analysis of financial returns for a multiagent order book model of asset trading. <i>Physical Review E</i> , 2007 , 76, 016108	2.4	41
33	Quantifying International Travel Flows Using Flickr. <i>PLoS ONE</i> , 2015 , 10, e0128470	3.7	35
32	Happiness is Greater in More Scenic Locations. <i>Scientific Reports</i> , 2019 , 9, 4498	4.9	34
31	Estimating suicide occurrence statistics using Google Trends. <i>EPJ Data Science</i> , 2016 , 5, 32	3.4	33
30	Quantifying meta-correlations in financial markets. <i>Europhysics Letters</i> , 2012 , 99, 38001	1.6	31
29	Quantifying Stock Return Distributions in Financial Markets. <i>PLoS ONE</i> , 2015 , 10, e0135600	3.7	30
28	Fluctuation patterns in high-frequency financial asset returns. <i>Europhysics Letters</i> , 2008 , 82, 68005	1.6	27
27	Econophysics I: complex correlations and trend switchings in financial time series. <i>European Physical Journal: Special Topics</i> , 2011 , 194, 5-86	2.3	26
26	The advantage of simple paper abstracts. <i>Journal of Informetrics</i> , 2016 , 10, 1-8	3.1	24
25	Correlated randomness and switching phenomena. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 2880-2893	3.3	23
24	Modelling human mobility patterns using photographic data shared online. <i>Royal Society Open Science</i> , 2015 , 2, 150046	3.3	22
23	GPU-computing in econophysics and statistical physics. <i>European Physical Journal: Special Topics</i> , 2011 , 194, 87-119	2.3	21
22	Quantifying scenic areas using crowdsourced data. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018 , 45, 567-582	2	18

21	Characterizing the time-perspective of nations with search engine query data. <i>PLoS ONE</i> , 2014 , 9, e95209	3.7	16
20	Quantifying the link between art and property prices in urban neighbourhoods. <i>Royal Society Open Science</i> , 2016 , 3, 160146	3.3	13
19	Bubble trouble. <i>Physics World</i> , 2011 , 24, 29-32	0.5	12
18	Sensing global tourism numbers with millions of publicly shared online photographs. <i>Environment and Planning A</i> , 2020 , 52, 471-477	2.7	11
17	Searching Choices: Quantifying Decision-Making Processes Using Search Engine Data. <i>Topics in Cognitive Science</i> , 2016 , 8, 685-96	2.5	10
16	Tracking Protests Using Geotagged Flickr Photographs. <i>PLoS ONE</i> , 2016 , 11, e0150466	3.7	9
15	Quantifying the diversity of news around stock market moves. <i>Journal of Network Theory in Finance</i> , 2017 , 3, 1-20	1.5	7
14	In search of art: rapid estimates of gallery and museum visits using Google Trends. <i>EPJ Data Science</i> , 2020 , 9,	3.4	5
13	Quantifying regional differences in the length of Twitter messages. <i>PLoS ONE</i> , 2015 , 10, e0122278	3.7	5
12	Quantifying the Search Behaviour of Different Demographics Using Google Correlate. <i>PLoS ONE</i> , 2016 , 11, e0149025	3.7	5
11	Using aircraft location data to estimate current economic activity. <i>Scientific Reports</i> , 2020 , 10, 7576	4.9	5
10	Simulating the microstructure of financial markets. <i>Journal of Physics: Conference Series</i> , 2010 , 221, 012019	3.9	4
9	Anticipating Stock Market Movements with Google and Wikipedia. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2014 , 47-59	0.3	4
8	Scenicness assessment of onshore wind sites with geotagged photographs and impacts on approval and cost-efficiency. <i>Nature Energy</i> , 2021 , 6, 663-672	62.3	4
7	Measuring the size of a crowd using Instagram. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020 , 47, 1690-1703	2	4
6	Early Signs of Financial Market Moves Reflected by Google Searches 2015 , 85-97		3
5	Computer simulations of the Ising Model on Graphics Processing Units. <i>European Physical Journal: Special Topics</i> , 2012 , 210, 133-145	2.3	3
4	Trend Switching Processes in Financial Markets 2010 , 3-26		3

3	Price-Time Priority and Pro Rata Matching in an Order Book Model of Financial Markets. <i>New Economic Windows</i> , 2011 , 65-72	0.5	3
2	Ökonophysik 2011 ,		2
1	Using big data to map the relationship between time perspectives and economic outputs. <i>Behavioral and Brain Sciences</i> , 2019 , 42, e206	0.9	0