

Thomas Pfeiffer

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.

44
papers

4,123
citations

24
h-index

51
g-index

51
ext. papers

5,073
ext. citations

7.8
avg, IF

5.29
L-index

#	Paper	IF	Citations
44	Cooperation and competition in the evolution of ATP-producing pathways. <i>Science</i> , 2001 , 292, 504-7	33.3	901
43	Evaluating the replicability of social science experiments in Nature and Science between 2010 and 2015. <i>Nature Human Behaviour</i> , 2018 , 2, 637-644	12.8	511
42	Evaluating replicability of laboratory experiments in economics. <i>Science</i> , 2016 , 351, 1433-6	33.3	493
41	Challenges in microbial ecology: building predictive understanding of community function and dynamics. <i>ISME Journal</i> , 2016 , 10, 2557-2568	11.9	380
40	Is maximization of molar yield in metabolic networks favoured by evolution?. <i>Journal of Theoretical Biology</i> , 2008 , 252, 497-504	2.3	149
39	Evolution of cooperation by generalized reciprocity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 1115-20	4.4	142
38	Experimental tests for an evolutionary trade-off between growth rate and yield in E. coli. <i>American Naturalist</i> , 2006 , 168, 242-51	3.7	137
37	An evolutionary scenario for the transition to undifferentiated multicellularity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1095-8	11.5	134
36	Using prediction markets to estimate the reproducibility of scientific research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15343-7	11.5	131
35	Evolution of cross-feeding in microbial populations. <i>American Naturalist</i> , 2004 , 163, E126-35	3.7	130
34	An evolutionary perspective on the Crabtree effect. <i>Frontiers in Molecular Biosciences</i> , 2014 , 1, 17	5.6	129
33	Game-theoretical approaches to studying the evolution of biochemical systems. <i>Trends in Biochemical Sciences</i> , 2005 , 30, 20-5	10.3	99
32	The evolution of connectivity in metabolic networks. <i>PLoS Biology</i> , 2005 , 3, e228	9.7	90
31	Dynamic remodeling of in-group bias during the 2008 presidential election. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6187-91	11.5	77
30	Use of game-theoretical methods in biochemistry and biophysics. <i>Journal of Biological Physics</i> , 2008 , 34, 1-17	1.6	72
29	Optimizing time and resource allocation trade-offs for investment into morphological and behavioral defense. <i>American Naturalist</i> , 2007 , 169, 118-29	3.7	56
28	The value of reputation. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2791-7	4.1	48

27	Evolution under fluctuating environments explains observed robustness in metabolic networks. <i>PLoS Computational Biology</i> , 2010 , 6, e1000907	5	43
26	Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. <i>Psychological Bulletin</i> , 2020 , 146, 451-479	19.1	42
25	Temporal patterns of genes in scientific publications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12052-6	11.5	37
24	Simulating the evolution of signal transduction pathways. <i>Journal of Theoretical Biology</i> , 2006 , 241, 223-32	3.7	35
23	Quantifying selective reporting and the Proteus phenomenon for multiple datasets with similar bias. <i>PLoS ONE</i> , 2011 , 6, e18362	3.7	35
22	Predicting replication outcomes in the Many Labs 2 study. <i>Journal of Economic Psychology</i> , 2019 , 75, 1021-17	1.7	28
21	Perceived information gain from randomized trials correlates with publication in high-impact factor journals. <i>Journal of Clinical Epidemiology</i> , 2012 , 65, 1274-81	5.7	22
20	Many Labs 5: Testing Pre-Data-Collection Peer Review as an Intervention to Increase Replicability. <i>Advances in Methods and Practices in Psychological Science</i> , 2020 , 3, 309-331	13.3	19
19	Is research in social psychology politically biased? Systematic empirical tests and a forecasting survey to address the controversy. <i>Journal of Experimental Social Psychology</i> , 2018 , 79, 188-199	2.6	18
18	Evolutionary Consequences of Tradeoffs between Yield and Rate of ATP Production. <i>Zeitschrift Fur Physikalische Chemie</i> , 2002 , 216,	3.1	18
17	Creative destruction in science. <i>Organizational Behavior and Human Decision Processes</i> , 2020 , 161, 291-309	3.7	17
16	An experiment on prediction markets in science. <i>PLoS ONE</i> , 2009 , 4, e8500	3.7	16
15	Large-scale assessment of the effect of popularity on the reliability of research. <i>PLoS ONE</i> , 2009 , 4, e59967	3.7	16
14	Decision-making in research tasks with sequential testing. <i>PLoS ONE</i> , 2009 , 4, e4607	3.7	10
13	Are replication rates the same across academic fields? Community forecasts from the DARPA SCORE programme. <i>Royal Society Open Science</i> , 2020 , 7, 200566	3.3	9
12	Diagnostic schemes for reducing epidemic size of African viral hemorrhagic fever outbreaks. <i>Journal of Infection in Developing Countries</i> , 2014 , 8, 1148-59	2.3	8
11	Bacterial growth properties at low optical densities. <i>Antonie Van Leeuwenhoek</i> , 2009 , 96, 267-74	2.1	8
10	Digital cows grazing on digital grounds. <i>Current Biology</i> , 2006 , 16, R946-9	6.3	8

9	Using prediction markets to forecast research evaluations. <i>Royal Society Open Science</i> , 2015 , 2, 150287	3.3	7
8	Prediction markets and their potential role in biomedical research--a review. <i>BioSystems</i> , 2010 , 102, 71-61.9	1.9	7
7	A creative destruction approach to replication: Implicit work and sex morality across cultures. <i>Journal of Experimental Social Psychology</i> , 2021 , 93, 104060	2.6	5
6	Predicting replicability-Analysis of survey and prediction market data from large-scale forecasting projects. <i>PLoS ONE</i> , 2021 , 16, e0248780	3.7	3
5	Systematic differences in impact across publication tracks at PNAS. <i>PLoS ONE</i> , 2009 , 4, e8092	3.7	2
4	Securities Based Decision Markets. <i>Lecture Notes in Computer Science</i> , 2022 , 79-92	0.9	1
3	Using prediction markets to predict the outcomes in the Defense Advanced Research Projects Agency's next-generation social science programme. <i>Royal Society Open Science</i> , 2021 , 8, 181308	3.3	1
2	Datasets from a research project examining the role of politics in social psychological research. <i>Scientific Data</i> , 2018 , 5, 180236	8.2	
1	Evolutionary Origin and Consequences of Design Properties of Metabolic Networks 2009 , 113-126		