

# Thomas Pfeiffer

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

5,816  
citations

201674

27  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

7812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperation and Competition in the Evolution of ATP-Producing Pathways. <i>Science</i> , 2001, 292, 504-507.	12.6	1,116
2	Evaluating the replicability of social science experiments in <i>Nature</i> and <i>Science</i> between 2010 and 2015. <i>Nature Human Behaviour</i> , 2018, 2, 637-644.	12.0	845
3	Evaluating replicability of laboratory experiments in economics. <i>Science</i> , 2016, 351, 1433-1436.	12.6	789
4	Challenges in microbial ecology: building predictive understanding of community function and dynamics. <i>ISME Journal</i> , 2016, 10, 2557-2568.	9.8	570
5	An evolutionary perspective on the Crabtree effect. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 17.	3.5	206
6	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, 15343-15347.	7.1	206
7	Is maximization of molar yield in metabolic networks favoured by evolution?. <i>Journal of Theoretical Biology</i> , 2008, 252, 497-504.	1.7	181
8	Experimental Tests for an Evolutionary Trade-off between Growth Rate and Yield in <i>E. coli</i> . <i>American Naturalist</i> , 2006, 168, 242-251.	2.1	173
9	Evolution of cooperation by generalized reciprocity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1115-1120.	2.6	169
10	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, 1095-1098.	7.1	166
11	Evolution of Cross-Feeding in Microbial Populations. <i>American Naturalist</i> , 2004, 163, E126-E135.	2.1	166
12	Game-theoretical approaches to studying the evolution of biochemical systems. <i>Trends in Biochemical Sciences</i> , 2005, 30, 20-25.	7.5	114
13	The Evolution of Connectivity in Metabolic Networks. <i>PLoS Biology</i> , 2005, 3, e228.	5.6	109
14	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, 6187-6191.	7.1	106
15	Crowdsourcing hypothesis tests: Making transparent how design choices shape research results.. <i>Psychological Bulletin</i> , 2020, 146, 451-479.	6.1	87
16	Use of Game-Theoretical Methods in Biochemistry and Biophysics. <i>Journal of Biological Physics</i> , 2008, 34, 1-17.	1.5	85
17	Optimizing Time and Resource Allocation Trade-offs for Investment into Morphological and Behavioral Defense. <i>American Naturalist</i> , 2007, 169, 118-129.	2.1	66
18	The value of reputation. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2791-2797.	3.4	60

#	ARTICLE	IF	CITATIONS
19	Quantifying Selective Reporting and the Proteus Phenomenon for Multiple Datasets with Similar Bias. PLoS ONE, 2011, 6, e18362.	2.5	50
20	Evolution under Fluctuating Environments Explains Observed Robustness in Metabolic Networks. PLoS Computational Biology, 2010, 6, e1000907.	3.2	49
21	Temporal patterns of genes in scientific publications. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12052-12056.	7.1	47
22	Predicting replication outcomes in the Many Labs 2 study. Journal of Economic Psychology, 2019, 75, 102117.	2.2	44
23	Many Labs 5: Testing Pre-Data-Collection Peer Review as an Intervention to Increase Replicability. Advances in Methods and Practices in Psychological Science, 2020, 3, 309-331.	9.4	42
24	Simulating the evolution of signal transduction pathways. Journal of Theoretical Biology, 2006, 241, 223-232.	1.7	40
25	Creative destruction in science. Organizational Behavior and Human Decision Processes, 2020, 161, 291-309.	2.5	36
26	All in the game. Nature, 2006, 441, 583-584.	27.8	32
27	Perceived information gain from randomized trials correlates with publication in high-impact factor journals. Journal of Clinical Epidemiology, 2012, 65, 1274-1281.	5.0	31
28	Is research in social psychology politically biased? Systematic empirical tests and a forecasting survey to address the controversy. Journal of Experimental Social Psychology, 2018, 79, 188-199.	2.2	27
29	Evolutionary Consequences of Tradeoffs between Yield and Rate of ATP Production. Zeitschrift Fur Physikalische Chemie, 2002, 216, .	2.8	26
30	A creative destruction approach to replication: Implicit work and sex morality across cultures. Journal of Experimental Social Psychology, 2021, 93, 104060.	2.2	22
31	Are replication rates the same across academic fields? Community forecasts from the DARPA SCORE programme. Royal Society Open Science, 2020, 7, 200566.	2.4	21
32	Large-Scale Assessment of the Effect of Popularity on the Reliability of Research. PLoS ONE, 2009, 4, e5996.	2.5	19
33	An Experiment on Prediction Markets in Science. PLoS ONE, 2009, 4, e8500.	2.5	18
34	Diagnostic schemes for reducing epidemic size of african viral hemorrhagic fever outbreaks. Journal of Infection in Developing Countries, 2014, 8, 1148-1159.	1.2	15
35	Predicting replicability—Analysis of survey and prediction market data from large-scale forecasting projects. PLoS ONE, 2021, 16, e0248780.	2.5	14
36	Bacterial growth properties at low optical densities. Antonie Van Leeuwenhoek, 2009, 96, 267-274.	1.7	10

#	ARTICLE	IF	CITATIONS
37	Decision-Making in Research Tasks with Sequential Testing. PLoS ONE, 2009, 4, e4607.	2.5	10
38	Prediction markets and their potential role in biomedical research – A review. BioSystems, 2010, 102, 71-76.	2.0	9
39	Digital cows grazing on digital grounds. Current Biology, 2006, 16, R946-R949.	3.9	8
40	Using prediction markets to forecast research evaluations. Royal Society Open Science, 2015, 2, 150287.	2.4	7
41	Systematic Differences in Impact across Publication Tracks at PNAS. PLoS ONE, 2009, 4, e8092.	2.5	5
42	Using prediction markets to predict the outcomes in the Defense Advanced Research Projects Agency's next-generation social science programme. Royal Society Open Science, 2021, 8, 181308.	2.4	4
43	Evolutionary Origin and Consequences of Design Properties of Metabolic Networks. , 2009, , 113-126.		0
44	Datasets from a research project examining the role of politics in social psychological research. Scientific Data, 2018, 5, 180236.	5.3	0
45	Can scientists change their minds?. Nature Human Behaviour, 2021, , .	12.0	0