

Alexander Michael Petersen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2852410/publications.pdf>

Version: 2024-02-01

50
papers

3,607
citations

236612

25
h-index

205818

48
g-index

52
all docs

52
docs citations

52
times ranked

3064
citing authors

#	ARTICLE	IF	CITATIONS
1	Science of science. <i>Science</i> , 2018, 359, .	6.0	701
2	Cross-correlations between volume change and price change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22079-22084.	3.3	590
3	Reputation and impact in academic careers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15316-15321.	3.3	222
4	On the role of zealotry in the voter model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P08029-P08029.	0.9	189
5	Quantitative and empirical demonstration of the Matthew effect in a study of career longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18-23.	3.3	177
6	Languages cool as they expand: Allometric scaling and the decreasing need for new words. <i>Scientific Reports</i> , 2012, 2, 943.	1.6	157
7	Persistence and uncertainty in the academic career. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5213-5218.	3.3	124
8	Quantifying the impact of weak, strong, and super ties in scientific careers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4671-80.	3.3	114
9	The evolution of networks of innovators within and across borders: Evidence from patent data. <i>Research Policy</i> , 2015, 44, 651-668.	3.3	90
10	Statistical Laws Governing Fluctuations in Word Use from Word Birth to Word Death. <i>Scientific Reports</i> , 2012, 2, 313.	1.6	89
11	On the Predictability of Future Impact in Science. <i>Scientific Reports</i> , 2013, 3, 3052.	1.6	89
12	A triple helix model of medical innovation: Supply, demand, and technological capabilities in terms of Medical Subject Headings. <i>Research Policy</i> , 2016, 45, 666-681.	3.3	76
13	Methods for measuring the citations and productivity of scientists across time and discipline. <i>Physical Review E</i> , 2010, 81, 036114.	0.8	75
14	Is Europe Evolving Toward an Integrated Research Area?. <i>Science</i> , 2013, 339, 650-651.	6.0	73
15	Bankruptcy risk model and empirical tests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18325-18330.	3.3	71
16	Market dynamics immediately before and after financial shocks: Quantifying the Omori, productivity, and Bath laws. <i>Physical Review E</i> , 2010, 82, 036114.	0.8	63
17	The memory of science: Inflation, myopia, and the knowledge network. <i>Journal of Informetrics</i> , 2018, 12, 656-678.	1.4	59
18	Discrepancy in scientific authority and media visibility of climate change scientists and contrarians. <i>Nature Communications</i> , 2019, 10, 3502.	5.8	57

#	ARTICLE	IF	CITATIONS
19	Statistical regularities in the rank-citation profile of scientists. <i>Scientific Reports</i> , 2011, 1, 181.	1.6	56
20	Methods to account for citation inflation in research evaluation. <i>Research Policy</i> , 2019, 48, 1855-1865.	3.3	49
21	Multiscale impact of researcher mobility. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180580.	1.5	47
22	Exploiting citation networks for large-scale author name disambiguation. <i>EPJ Data Science</i> , 2014, 3, .	1.5	46
23	Quantitative law describing market dynamics before and after interest-rate change. <i>Physical Review E</i> , 2010, 81, 066121.	0.8	36
24	Together we stand. <i>Nature Physics</i> , 2014, 10, 700-702.	6.5	30
25	On the distribution of career longevity and the evolution of home-run prowess in professional baseball. <i>Europhysics Letters</i> , 2008, 83, 50010.	0.7	28
26	A Quantitative Perspective on Ethics in Large Team Science. <i>Science and Engineering Ethics</i> , 2014, 20, 923-945.	1.7	28
27	Inequality and cumulative advantage in science careers: a case study of high-impact journals. <i>EPJ Data Science</i> , 2014, 3, .	1.5	27
28	Commentary: The case for caution in predicting scientists's future impact. <i>Physics Today</i> , 2013, 66, 8-9.	0.3	24
29	Self-organization of meaning and the reflexive communication of information. <i>Social Science Information</i> , 2017, 56, 4-27.	1.1	24
30	Quantifying the negative impact of brain drain on the integration of European science. <i>Science Advances</i> , 2017, 3, e1602232.	4.7	22
31	Quantitative relations between risk, return and firm size. <i>Europhysics Letters</i> , 2009, 85, 50003.	0.7	19
32	The Z-index: A geometric representation of productivity and impact which accounts for information in the entire rank-citation profile. <i>Journal of Informetrics</i> , 2013, 7, 823-832.	1.4	18
33	Grand challenges and emergent modes of convergence science. <i>Humanities and Social Sciences Communications</i> , 2021, 8, .	1.3	18
34	Cross-disciplinary evolution of the genomics revolution. <i>Science Advances</i> , 2018, 4, eaat4211.	4.7	17
35	Megajournal mismanagement: Manuscript decision bias and anomalous editor activity at PLOS ONE. <i>Journal of Informetrics</i> , 2019, 13, 100974.	1.4	17
36	Methods for detrending success metrics to account for inflationary and deflationary factors*. <i>European Physical Journal B</i> , 2011, 79, 67-78.	0.6	15

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37	Common scaling behavior in finance and macroeconomics. <i>European Physical Journal B</i> , 2010, 76, 487-490.	0.6	12
38	Scale-invariant properties of public-debt growth. <i>Europhysics Letters</i> , 2010, 90, 38006.	0.7	12
39	ON THE SOCIAL AND COGNITIVE DIMENSIONS OF WICKED ENVIRONMENTAL PROBLEMS CHARACTERIZED BY CONCEPTUAL AND SOLUTION UNCERTAINTY. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2021, 24, .	0.9	10
40	High-skilled labour mobility in Europe before and after the 2004 enlargement. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170030.	1.5	9
41	Renormalizing individual performance metrics for cultural heritage management of sports records. <i>Chaos, Solitons and Fractals</i> , 2020, 136, 109821.	2.5	6
42	A Triple Helix Model of Medical Innovation: Supply, Demand, and Technological Capabilities in Terms of Medical Subject Headings. <i>SSRN Electronic Journal</i> , 2016, , .	0.4	4
43	Scholar Plot: Design and Evaluation of an Information Interface for Faculty Research Performance. <i>Frontiers in Research Metrics and Analytics</i> , 2019, 4, 6.	0.9	4
44	Methods to Account for Citation Inflation in Research Evaluation. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	2
45	Statistical Laws Governing Fluctuations in Word Use from Word Birth to Word Death. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
46	EVOLUTION OF BIOMEDICAL INNOVATION QUANTIFIED VIA BILLIONS OF DISTINCT ARTICLE-LEVEL MeSH KEYWORD COMBINATIONS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2022, 25, .	0.9	2
47	FOREWORD TO THE SPECIAL ISSUE ON SUCCESS IN SCIENCE. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2021, 24, .	0.9	1
48	The Interaction of 'Supply', 'Demand', and 'Technology' in Terms of Medical Subject Headings: A Triple Helix Model of Medical Innovations. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	0
49	Quantifying the Distribution of Editorial Power and Manuscript Decision Bias at the Mega-Journal PLOS ONE. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
50	High-Skilled Labor Mobility in Europe Before and After the 2004 Enlargement. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0