James A Evans

List of Publications by Year
in descending order

43 papers	3,988 citations	257450 24 h-index	289244 40 g-index
53 all docs	53 docs citations	53 times ranked	3422 citing authors

#	Article	IF	Citations
1	Science of science. Science, 2018, 359, .	12.6	701
2	Large teams develop and small teams disrupt science and technology. Nature, 2019, 566, 378-382.	27.8	446
3	Tradition and Innovation in Scientists' Research Strategies. American Sociological Review, 2015, 80, 875-908.	5.2	364
4	Electronic Publication and the Narrowing of Science and Scholarship. Science, 2008, 321, 395-399.	12.6	275
5	The Geometry of Culture: Analyzing the Meanings of Class through Word Embeddings. American Sociological Review, 2019, 84, 905-949.	5.2	245
6	Metaknowledge. Science, 2011, 331, 721-725.	12.6	209
7	Open Access and Global Participation in Science. Science, 2009, 323, 1025-1025.	12.6	184
8	Machine Translation: Mining Text for Social Theory. Annual Review of Sociology, 2016, 42, 21-50.	6.1	180
9	Choosing experiments to accelerate collective discovery. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14569-14574.	7.1	146
10	Slowed canonical progress in large fields of science. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	127
11	Attention to Local Health Burden and the Global Disparity of Health Research. PLoS ONE, 2014, 9, e90147.	2.5	113
12	The wisdom of polarized crowds. Nature Human Behaviour, 2019, 3, 329-336.	12.0	89
13	Weaving the fabric of science: Dynamic network models of science's unfolding structure. Social Networks, 2015, 43, 73-85.	2.1	82
14	Industry collaboration, scientific sharing, and the dissemination of knowledge. Social Studies of Science, 2010, 40, 757-791.	2.5	81
15	Machine Science. Science, 2010, 329, 399-400.	12.6	79
16	Skill discrepancies between research, education, and jobs reveal the critical need to supply soft skills for the data economy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12630-12637.	7.1	77
17	The sociology of scientific validity: How professional networks shape judgement in peer review. Research Policy, 2018, 47, 1825-1841.	6.4	56
18	Finding Cultural Holes: How Structure and Culture Diverge in Networks of Scholarly Communication. Sociological Science, 0, 1, 221-238.	2.0	52

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19	Millions of online book co-purchases reveal partisan differences in the consumption of science. Nature Human Behaviour, 2017, 1, .	12.0	49
20	Quantifying the dynamics of failure across science, startups and security. Nature, 2019, 575, 190-194.	27.8	39
21	Ten Simple (Empirical) Rules for Writing Science. PLoS Computational Biology, 2015, 11, e1004205.	3.2	35
22	Measuring discursive influence across scholarship. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3308-3313.	7.1	34
23	Toward a more scientific science. Science, 2018, 361, 1194-1197.	12.6	34
24	Flat teams drive scientific innovation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	32
25	New directions in science emerge from disconnection and discord. Journal of Informetrics, 2022, 16, 101234.	2.9	31
26	Future Science. Science, 2013, 342, 44-45.	12.6	27
27	Health ROI as a measure of misalignment of biomedical needs and resources. Nature Biotechnology, 2015, 33, 807-811.	17.5	27
28	Ambiguity and Engagement. American Journal of Sociology, 2018, 124, 860-912.	0.5	25
29	Too Many Cooks: Bayesian Inference for Coordinating Multiâ€Agent Collaboration. Topics in Cognitive Science, 2021, 13, 414-432.	1.9	23
30	Social Computing Unhinged. Journal of Social Computing, 2020, 1, 1-13.	2.2	22
31	Against method: Exploding the boundary between qualitative and quantitative studies of science. Quantitative Science Studies, 2020, 1, 930-944.	3.3	18
32	Centralized scientific communities are less likely to generate replicable results. ELife, 2019, 8, .	6.0	18
33	Advancing Science through Mining Libraries, Ontologies, and Communities. Journal of Biological Chemistry, 2011, 286, 23659-23666.	3.4	14
34	Computation and the Sociological Imagination. Contexts, 2019, 18, 10-15.	0.3	11
35	Quantifying the Impact and Extent of Undocumented Biomedical Synonymy. PLoS Computational Biology, 2014, 10, e1003799.	3.2	8
36	Prediction of robust scientific facts from literature. Nature Machine Intelligence, 2022, 4, 445-454.	16.0	7

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37	Large Teams Have Developed Science and Technology; Small Teams Have Disrupted It. SSRN Electronic Journal, 0, , .	0.4	6
38	Event-level prediction of urban crime reveals a signature of enforcement bias in US cities. Nature Human Behaviour, 2022, 6, 1056-1068.	12.0	5
39	Proposing Ties in a Dense Hypergraph of Academics. Lecture Notes in Computer Science, 2015, , 209-226.	1.3	3
40	NERO: a biomedical named-entity (recognition) ontology with a large, annotated corpus reveals meaningful associations through text embedding. Npj Systems Biology and Applications, 2021, 7, 38.	3.0	3
41	The Skills Space in Informal Work: Insights from Bangalore Slums. Journal of Development Studies, 2021, 57, 1662-1689.	2.1	1
42	Science of science. Bibliosfera, 2021, , 25-42.	0.3	1
43	NONUS: A No-Onus Platform for Generating Grant Reports. , 2010, , .		0