James Zou

List of Publications by Year
in descending order

30 papers	13,656 citations	331259 21 h-index	525886 27 g-index
31 all docs	31 docs citations	31 times ranked	34706 citing authors

#	Article	IF	Citations
1	Analysis of protein-coding genetic variation in 60,706 humans. Nature, 2016, 536, 285-291.	13.7	9,051
2	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	13.7	683
3	A primer on deep learning in genomics. Nature Genetics, 2019, 51, 12-18.	9.4	542
4	Word embeddings quantify 100 years of gender and ethnic stereotypes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3635-E3644.	3.3	480
5	AI can be sexist and racist â€" itâ€™s time to make it fair. Nature, 2018, 559, 324-326.	13.7	386
6	Sex and gender analysis improves science and engineering. Nature, 2019, 575, 137-146.	13.7	336
7	Ageing hallmarks exhibit organ-specific temporal signatures. Nature, 2020, 583, 596-602.	13.7	317
8	Interpretation of Neural Networks Is Fragile. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3681-3688.	3.6	251
9	Genome-wide analysis reveals conserved and divergent features of Notch1/RBPJ binding in human and murine T-lymphoblastic leukemia cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14908-14913.	3.3	221
10	Integrating spatial gene expression and breast tumour morphology via deep learning. Nature Biomedical Engineering, 2020, 4, 827-834.	11.6	208
11	Epigenome-wide association studies without the need for cell-type composition. Nature Methods, 2014, 11, 309-311.	9.0	205
12	Sparse PCA corrects for cell type heterogeneity in epigenome-wide association studies. Nature Methods, 2016, 13, 443-445.	9.0	205
13	Epstein-Barr virus exploits intrinsic B-lymphocyte transcription programs to achieve immortal cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14902-14907.	3.3	180
14	The clinical imperative for inclusivity: Race, ethnicity, and ancestry (REA) in genomics. Human Mutation, 2018, 39, 1713-1720.	1.1	102
15	Multiaccuracy. , 2019, , .		81
16	Shifting machine learning for healthcare from development to deployment and from models to data. Nature Biomedical Engineering, 2022, 6, 1330-1345.	11.6	69
17	Mouse aging cell atlas analysis reveals global and cell type-specific aging signatures. ELife, 2021, 10, .	2.8	64
18	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. Nature, 2022, 603, 309-314.	13.7	51

#	ARTICLE	IF	CITATIONS
19	How Much Does Your Data Exploration Overfit? Controlling Bias via Information Usage. IEEE Transactions on Information Theory, 2020, 66, 302-323.	1.5	45
20	Ensuring that biomedical AI benefits diverse populations. EBioMedicine, 2021, 67, 103358.	2.7	39
21	Quantifying unobserved protein-coding variants in human populations provides a roadmap for large-scale sequencing projects. Nature Communications, 2016, 7, 13293.	5.8	35
22	Correcting for cell-type heterogeneity in DNA methylation: a comprehensive evaluation. Nature Methods, 2017, 14, 218-219.	9.0	33
23	DeepTag: inferring diagnoses from veterinary clinical notes. Npj Digital Medicine, 2018, 1, 60.	5.7	17
24	National Cancer Institute Workshop on Artificial Intelligence in Radiation Oncology: Training the Next Generation. Practical Radiation Oncology, 2021, 11, 74-83.	1.1	16
25	RNA-GPS predicts high-resolution RNA subcellular localization and highlights the role of splicing. Rna, 2020, 26, 851-865.	1.6	15
26	Comprehensive analysis of 2.4 million patent-to-research citations maps the biomedical innovation and translation landscape. Nature Biotechnology, 2021, 39, 678-683.	9.4	10
27	An online platform for interactive feedback in biomedical machine learning. Nature Machine Intelligence, 2020, 2, 86-88.	8.3	7
28	Who's Responsible? Jointly Quantifying the Contribution of the Learning Algorithm and Data. , 2021, , .		4
29	Deep learning for biomedical videos: perspective and recommendations. , 2021, , 37-48.		1
30	Quantification of Gender Bias and Sentiment Toward Political Leaders Over 20 Years of Kenyan News Using Natural Language Processing. Frontiers in Psychology, 2021, 12, 712646.	1.1	1