Evan Z Macosko

List of Publications by Year
in descending order

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43 papers	20,236 citations	126708 33 h-index	233125 45 g-index
68 all docs	68 docs citations	68 times ranked	28300 citing authors

#	Article	IF	Citations
1	Highly Parallel Genome-wide Expression Profiling of Individual Cells Using Nanoliter Droplets. Cell, 2015, 161, 1202-1214.	13.5	5,908
2	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. Science, 2019, 363, 1463-1467.	6.0	1,396
3	Single-Cell RNA Sequencing of Microglia throughout the Mouse Lifespan and in the Injured Brain Reveals Complex Cell-State Changes. Immunity, 2019, 50, 253-271.e6.	6.6	1,351
4	Molecular Diversity and Specializations among the Cells of the Adult Mouse Brain. Cell, 2018, 174, 1015-1030.e16.	13.5	1,231
5	Comprehensive Classification of Retinal Bipolar Neurons by Single-Cell Transcriptomics. Cell, 2016, 166, 1308-1323.e30.	13.5	1,010
6	Cell diversity and network dynamics in photosensitive human brain organoids. Nature, 2017, 545, 48-53.	13.7	933
7	Single-Cell Multi-omic Integration Compares and Contrasts Features of Brain Cell Identity. Cell, 2019, 177, 1873-1887.e17.	13.5	844
8	Heritability enrichment of specifically expressed genes identifies disease-relevant tissues and cell types. Nature Genetics, 2018, 50, 621-629.	9.4	807
9	A molecular census of arcuate hypothalamus and median eminence cell types. Nature Neuroscience, 2017, 20, 484-496.	7.1	635
10	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. Nature Biotechnology, 2021, 39, 313-319.	9.4	569
11	A hub-and-spoke circuit drives pheromone attraction and social behaviour in C. elegans. Nature, 2009, 458, 1171-1175.	13.7	444
12	Local translation of RhoA regulates growth cone collapse. Nature, 2005, 436, 1020-1024.	13.7	407
13	Robust decomposition of cell type mixtures in spatial transcriptomics. Nature Biotechnology, 2022, 40, 517-526.	9.4	376
14	Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 2021, 598, 111-119.	13.7	361
15	Serotonin and the Neuropeptide PDF Initiate and Extend Opposing Behavioral States in C.Âelegans. Cell, 2013, 154, 1023-1035.	13.5	356
16	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	13.7	316
17	Deep learning and alignment of spatially resolved single-cell transcriptomes with Tangram. Nature Methods, 2021, 18, 1352-1362.	9.0	276
18	Oxytocin/Vasopressin-Related Peptides Have an Ancient Role in Reproductive Behavior. Science, 2012, 338, 540-543.	6.0	225

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19	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in C. elegans Sensory Behaviors. Neuron, 2009, 61, 692-699.	3.8	219
20	Molecular logic of cellular diversification in the mouse cerebral cortex. Nature, 2021, 595, 554-559.	13.7	212
21	Innate Immunity in Caenorhabditis elegans Is Regulated by Neurons Expressing NPR-1/GPCR. Science, 2008, 322, 460-464.	6.0	210
22	Functional and Selective RNA Interference in Developing Axons and Growth Cones. Journal of Neuroscience, 2006, 26, 5727-5732.	1.7	174
23	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. Nature, 2021, 598, 103-110.	13.7	166
24	Dissection of artifactual and confounding glial signatures by single-cell sequencing of mouse and human brain. Nature Neuroscience, 2022, 25, 306-316.	7.1	166
25	Single-cell genomic profiling of human dopamine neurons identifies a population that selectively degenerates in Parkinsonâ€™s disease. Nature Neuroscience, 2022, 25, 588-595.	7.1	155
26	A transcriptomic atlas of mouse cerebellar cortex comprehensivelyÂdefines cell types. Nature, 2021, 598, 214-219.	13.7	147
27	Genetically Distinct Parallel Pathways in the Entopeduncular Nucleus for Limbic and Sensorimotor Output of the Basal Ganglia. Neuron, 2017, 94, 138-152.e5.	3.8	146
28	Neuromodulatory State and Sex Specify Alternative Behaviors through Antagonistic Synaptic Pathways in C.Âelegans. Neuron, 2012, 75, 585-592.	3.8	141
29	Balancing selection shapes density-dependent foraging behaviour. Nature, 2016, 539, 254-258.	13.7	132
30	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues. Nature, 2022, 601, 85-91.	13.7	117
31	Jointly defining cell types from multiple single-cell datasets using LIGER. Nature Protocols, 2020, 15, 3632-3662.	5.5	92
32	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. Cell, 2022, 185, 2591-2608.e30.	13.5	62
33	Dissecting mammalian spermatogenesis using spatial transcriptomics. Cell Reports, 2021, 37, 109915.	2.9	54
34	Control of osteocyte dendrite formation by Sp7 and its target gene osteocrin. Nature Communications, 2021, 12, 6271.	5.8	41
35	InDrops and Drop-seq technologies for single-cell sequencing. Lab on A Chip, 2017, 17, 2540-2541.	3.1	37
36	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways. IScience, 2022, 25, 104097.	1.9	32

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37	Spatial transcriptomic reconstruction of the mouse olfactory glomerular map suggests principles of odor processing. Nature Neuroscience, 2022, 25, 484-492.	7.1	27
38	Exploring the variation within. Nature Genetics, 2012, 44, 614-616.	9.4	21
39	Graded heterogeneity of metabotropic signaling underlies a continuum of cell-intrinsic temporal responses in unipolar brush cells. Nature Communications, 2021, 12, 5491.	5.8	20
40	Candelabrum cells are ubiquitous cerebellar cortex interneurons with specialized circuit properties. Nature Neuroscience, 2022, 25, 702-713.	7.1	12
41	Our Fallen Genomes. Science, 2013, 342, 564-565.	6.0	8
42	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	9.4	3
43	Single-cell RNA sequencing at isoform resolution. Nature Biotechnology, 2020, 38, 697-698.	9.4	1