Evan Z Macosko

List of Publications by Year
in descending order

43 papers	20,236 citations	145106 33 h-index	263392 45 g-index
68 all docs	68 docs citations	68 times ranked	31358 citing authors

#	Article	IF	Citations
1	Robust decomposition of cell type mixtures in spatial transcriptomics. Nature Biotechnology, 2022, 40, 517-526.	9.4	376
2	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues. Nature, 2022, 601, 85-91.	13.7	117
3	Spatial transcriptomic reconstruction of the mouse olfactory glomerular map suggests principles of odor processing. Nature Neuroscience, 2022, 25, 484-492.	7.1	27
4	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
5	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways. IScience, 2022, 25, 104097.	1.9	32
6	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
7	Candelabrum cells are ubiquitous cerebellar cortex interneurons with specialized circuit properties. Nature Neuroscience, 2022, 25, 702-713.	7.1	12
8	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. Cell, 2022, 185, 2591-2608.e30.	13.5	62
9	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. Nature Biotechnology, 2021, 39, 313-319.	9.4	569
10	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	9.4	3
11	Molecular logic of cellular diversification in the mouse cerebral cortex. Nature, 2021, 595, 554-559.	13.7	212
12	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
13	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. Nature, 2021, 598, 103-110.	13.7	166
14	Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 2021, 598, 111-119.	13.7	361
15	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	13.7	316
16	A transcriptomic atlas of mouse cerebellar cortex comprehensivelyÂdefines cell types. Nature, 2021, 598, 214-219.	13.7	147
17	Deep learning and alignment of spatially resolved single-cell transcriptomes with Tangram. Nature Methods, 2021, 18, 1352-1362.	9.0	276
18	Dissecting mammalian spermatogenesis using spatial transcriptomics. Cell Reports, 2021, 37, 109915.	2.9	54

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19	Control of osteocyte dendrite formation by Sp7 and its target gene osteocrin. Nature Communications, 2021, 12, 6271.	5.8	41
20	Jointly defining cell types from multiple single-cell datasets using LIGER. Nature Protocols, 2020, 15, 3632-3662.	5.5	92
21	Single-cell RNA sequencing at isoform resolution. Nature Biotechnology, 2020, 38, 697-698.	9.4	1
22	Single-Cell Multi-omic Integration Compares and Contrasts Features of Brain Cell Identity. Cell, 2019, 177, 1873-1887.e17.	13.5	844
23	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. Science, 2019, 363, 1463-1467.	6.0	1,396
24	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
25	Heritability enrichment of specifically expressed genes identifies disease-relevant tissues and cell types. Nature Genetics, 2018, 50, 621-629.	9.4	807
26	Molecular Diversity and Specializations among the Cells of the Adult Mouse Brain. Cell, 2018, 174, 1015-1030.e16.	13.5	1,231
27	A molecular census of arcuate hypothalamus and median eminence cell types. Nature Neuroscience, 2017, 20, 484-496.	7.1	635
28	Cell diversity and network dynamics in photosensitive human brain organoids. Nature, 2017, 545, 48-53.	13.7	933
29	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
30	InDrops and Drop-seq technologies for single-cell sequencing. Lab on A Chip, 2017, 17, 2540-2541.	3.1	37
31	Comprehensive Classification of Retinal Bipolar Neurons by Single-Cell Transcriptomics. Cell, 2016, 166, 1308-1323.e30.	13.5	1,010
32	Balancing selection shapes density-dependent foraging behaviour. Nature, 2016, 539, 254-258.	13.7	132
33	Highly Parallel Genome-wide Expression Profiling of Individual Cells Using Nanoliter Droplets. Cell, 2015, 161, 1202-1214.	13.5	5,908
34	Serotonin and the Neuropeptide PDF Initiate and Extend Opposing Behavioral States in C.Âelegans. Cell, 2013, 154, 1023-1035.	13.5	356
35	Our Fallen Genomes. Science, 2013, 342, 564-565.	6.0	8
36	Exploring the variation within. Nature Genetics, 2012, 44, 614-616.	9.4	21

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37	Neuromodulatory State and Sex Specify Alternative Behaviors through Antagonistic Synaptic Pathways in C.Âelegans. Neuron, 2012, 75, 585-592.	3.8	141
38	Oxytocin/Vasopressin-Related Peptides Have an Ancient Role in Reproductive Behavior. Science, 2012, 338, 540-543.	6.0	225
39	A hub-and-spoke circuit drives pheromone attraction and social behaviour in C. elegans. Nature, 2009, 458, 1171-1175.	13.7	444
40	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in C. elegans Sensory Behaviors. Neuron, 2009, 61, 692-699.	3.8	219
41	Innate Immunity in <i>Caenorhabditis elegans</i> Is Regulated by Neurons Expressing NPR-1/GPCR. Science, 2008, 322, 460-464.	6.0	210
42	Functional and Selective RNA Interference in Developing Axons and Growth Cones. Journal of Neuroscience, 2006, 26, 5727-5732.	1.7	174
43	Local translation of RhoA regulates growth cone collapse. Nature, 2005, 436, 1020-1024.	13.7	407