

Evan Z Macosko

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

20,236
citations

126907

33
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233421

45
g-index

68
all docs

68
docs citations

68
times ranked

28300
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust decomposition of cell type mixtures in spatial transcriptomics. <i>Nature Biotechnology</i> , 2022, 40, 517-526.	17.5	376
2	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues. <i>Nature</i> , 2022, 601, 85-91.	27.8	117
3	Spatial transcriptomic reconstruction of the mouse olfactory glomerular map suggests principles of odor processing. <i>Nature Neuroscience</i> , 2022, 25, 484-492.	14.8	27
4	Dissection of artifactual and confounding glial signatures by single-cell sequencing of mouse and human brain. <i>Nature Neuroscience</i> , 2022, 25, 306-316.	14.8	166
5	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways. <i>IScience</i> , 2022, 25, 104097.	4.1	32
6	Single-cell genomic profiling of human dopamine neurons identifies a population that selectively degenerates in Parkinson's disease. <i>Nature Neuroscience</i> , 2022, 25, 588-595.	14.8	155
7	Candelabrum cells are ubiquitous cerebellar cortex interneurons with specialized circuit properties. <i>Nature Neuroscience</i> , 2022, 25, 702-713.	14.8	12
8	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. <i>Cell</i> , 2022, 185, 2591-2608.e30.	28.9	62
9	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. <i>Nature Biotechnology</i> , 2021, 39, 313-319.	17.5	569
10	Voices of biotech research. <i>Nature Biotechnology</i> , 2021, 39, 281-286.	17.5	3
11	Molecular logic of cellular diversification in the mouse cerebral cortex. <i>Nature</i> , 2021, 595, 554-559.	27.8	212
12	Graded heterogeneity of metabotropic signaling underlies a continuum of cell-intrinsic temporal responses in unipolar brush cells. <i>Nature Communications</i> , 2021, 12, 5491.	12.8	20
13	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. <i>Nature</i> , 2021, 598, 103-110.	27.8	166
14	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	27.8	361
15	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	27.8	316
16	A transcriptomic atlas of mouse cerebellar cortex comprehensively defines cell types. <i>Nature</i> , 2021, 598, 214-219.	27.8	147
17	Deep learning and alignment of spatially resolved single-cell transcriptomes with Tangram. <i>Nature Methods</i> , 2021, 18, 1352-1362.	19.0	276
18	Dissecting mammalian spermatogenesis using spatial transcriptomics. <i>Cell Reports</i> , 2021, 37, 109915.	6.4	54

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19	Control of osteocyte dendrite formation by Sp7 and its target gene osteocrin. <i>Nature Communications</i> , 2021, 12, 6271.	12.8	41
20	Jointly defining cell types from multiple single-cell datasets using LIGER. <i>Nature Protocols</i> , 2020, 15, 3632-3662.	12.0	92
21	Single-cell RNA sequencing at isoform resolution. <i>Nature Biotechnology</i> , 2020, 38, 697-698.	17.5	1
22	Single-Cell Multi-omic Integration Compares and Contrasts Features of Brain Cell Identity. <i>Cell</i> , 2019, 177, 1873-1887.e17.	28.9	844
23	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. <i>Science</i> , 2019, 363, 1463-1467.	12.6	1,396
24	Single-Cell RNA Sequencing of Microglia throughout the Mouse Lifespan and in the Injured Brain Reveals Complex Cell-State Changes. <i>Immunity</i> , 2019, 50, 253-271.e6.	14.3	1,351
25	Heritability enrichment of specifically expressed genes identifies disease-relevant tissues and cell types. <i>Nature Genetics</i> , 2018, 50, 621-629.	21.4	807
26	Molecular Diversity and Specializations among the Cells of the Adult Mouse Brain. <i>Cell</i> , 2018, 174, 1015-1030.e16.	28.9	1,231
27	A molecular census of arcuate hypothalamus and median eminence cell types. <i>Nature Neuroscience</i> , 2017, 20, 484-496.	14.8	635
28	Cell diversity and network dynamics in photosensitive human brain organoids. <i>Nature</i> , 2017, 545, 48-53.	27.8	933
29	Genetically Distinct Parallel Pathways in the Entopeduncular Nucleus for Limbic and Sensorimotor Output of the Basal Ganglia. <i>Neuron</i> , 2017, 94, 138-152.e5.	8.1	146
30	InDrops and Drop-seq technologies for single-cell sequencing. <i>Lab on A Chip</i> , 2017, 17, 2540-2541.	6.0	37
31	Comprehensive Classification of Retinal Bipolar Neurons by Single-Cell Transcriptomics. <i>Cell</i> , 2016, 166, 1308-1323.e30.	28.9	1,010
32	Balancing selection shapes density-dependent foraging behaviour. <i>Nature</i> , 2016, 539, 254-258.	27.8	132
33	Highly Parallel Genome-wide Expression Profiling of Individual Cells Using Nanoliter Droplets. <i>Cell</i> , 2015, 161, 1202-1214.	28.9	5,908
34	Serotonin and the Neuropeptide PDF Initiate and Extend Opposing Behavioral States in <i>C.Âlegans</i> . <i>Cell</i> , 2013, 154, 1023-1035.	28.9	356
35	Our Fallen Genomes. <i>Science</i> , 2013, 342, 564-565.	12.6	8
36	Exploring the variation within. <i>Nature Genetics</i> , 2012, 44, 614-616.	21.4	21

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37	Neuromodulatory State and Sex Specify Alternative Behaviors through Antagonistic Synaptic Pathways in <i>C. elegans</i> . <i>Neuron</i> , 2012, 75, 585-592.	8.1	141
38	Oxytocin/Vasopressin-Related Peptides Have an Ancient Role in Reproductive Behavior. <i>Science</i> , 2012, 338, 540-543.	12.6	225
39	A hub-and-spoke circuit drives pheromone attraction and social behaviour in <i>C. elegans</i> . <i>Nature</i> , 2009, 458, 1171-1175.	27.8	444
40	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in <i>C. elegans</i> Sensory Behaviors. <i>Neuron</i> , 2009, 61, 692-699.	8.1	219
41	Innate Immunity in <i>Caenorhabditis elegans</i> Is Regulated by Neurons Expressing NPR-1/GPCR. <i>Science</i> , 2008, 322, 460-464.	12.6	210
42	Functional and Selective RNA Interference in Developing Axons and Growth Cones. <i>Journal of Neuroscience</i> , 2006, 26, 5727-5732.	3.6	174
43	Local translation of RhoA regulates growth cone collapse. <i>Nature</i> , 2005, 436, 1020-1024.	27.8	407