

Fei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

6,224
citations

304743

22
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

7071
citing authors

#	ARTICLE	IF	CITATIONS
1	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. Science, 2019, 363, 1463-1467.	12.6	1,396
2	Expansion microscopy. Science, 2015, 347, 543-548.	12.6	1,131
3	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. Nature Biotechnology, 2021, 39, 313-319.	17.5	569
4	Disease-associated astrocytes in Alzheimer's disease and aging. Nature Neuroscience, 2020, 23, 701-706.	14.8	525
5	Robust decomposition of cell type mixtures in spatial transcriptomics. Nature Biotechnology, 2022, 40, 517-526.	17.5	376
6	Nanoscale imaging of RNA with expansion microscopy. Nature Methods, 2016, 13, 679-684.	19.0	314
7	Iterative expansion microscopy. Nature Methods, 2017, 14, 593-599.	19.0	279
8	Molecular logic of cellular diversification in the mouse cerebral cortex. Nature, 2021, 595, 554-559.	27.8	212
9	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. Science, 2021, 371, .	12.6	197
10	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. Nature Biotechnology, 2021, 39, 451-461.	17.5	150
11	In situ genome sequencing resolves DNA sequence and structure in intact biological samples. Science, 2021, 371, .	12.6	141
12	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues. Nature, 2022, 601, 85-91.	27.8	117
13	Joint single-cell measurements of nuclear proteins and RNA in vivo. Nature Methods, 2021, 18, 1204-1212.	19.0	69
14	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. Cell, 2022, 185, 2591-2608.e30.	28.9	62
15	Efficient, continuous mutagenesis in human cells using a pseudo-random DNA editor. Nature Biotechnology, 2020, 38, 165-168.	17.5	59
16	A fully genetically encoded protein architecture for optical control of peptide ligand concentration. Nature Communications, 2014, 5, 3019.	12.8	55
17	Dissecting mammalian spermatogenesis using spatial transcriptomics. Cell Reports, 2021, 37, 109915.	6.4	54
18	Hybrid Microscopy: Enabling Inexpensive High-Performance Imaging through Combined Physical and Optical Magnifications. Scientific Reports, 2016, 6, 22691.	3.3	44

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19	Barcoded oligonucleotides ligated on RNA amplified for multiplexed and parallel <i>in situ</i> analyses. <i>Nucleic Acids Research</i> , 2021, 49, e58-e58.	14.5	39
20	In vivo hypermutation and continuous evolution. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	39
21	RNA timestamps identify the age of single molecules in RNA sequencing. <i>Nature Biotechnology</i> , 2021, 39, 320-325.	17.5	35
22	Compressed sensing for highly efficient imaging transcriptomics. <i>Nature Biotechnology</i> , 2021, 39, 936-942.	17.5	33
23	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways. <i>IScience</i> , 2022, 25, 104097.	4.1	32
24	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
25	Multidimensional screening yields channelrhodopsin variants having improved photocurrent and order-of-magnitude reductions in calcium and proton currents. <i>Journal of Biological Chemistry</i> , 2019, 294, 3806-3821.	3.4	25
26	Targeting a Braf/Mapk pathway rescues podocyte lipid peroxidation in CoQ-deficiency kidney disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	25
27	HyPR-seq: Single-cell quantification of chosen RNAs via hybridization and sequencing of DNA probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33404-33413.	7.1	21