

# Fei Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8286180/publications.pdf>

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	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	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways. <i>IScience</i> , 2022, 25, 104097.	4.1	32
5	In vivo hypermutation and continuous evolution. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	39
6	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. <i>Cell</i> , 2022, 185, 2591-2608.e30.	28.9	62
7	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. <i>Nature Biotechnology</i> , 2021, 39, 451-461.	17.5	150
8	RNA timestamps identify the age of single molecules in RNA sequencing. <i>Nature Biotechnology</i> , 2021, 39, 320-325.	17.5	35
9	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. <i>Nature Biotechnology</i> , 2021, 39, 313-319.	17.5	569
10	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. <i>Science</i> , 2021, 371, .	12.6	197
11	In situ genome sequencing resolves DNA sequence and structure in intact biological samples. <i>Science</i> , 2021, 371, .	12.6	141
12	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
13	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
14	Compressed sensing for highly efficient imaging transcriptomics. <i>Nature Biotechnology</i> , 2021, 39, 936-942.	17.5	33
15	Molecular logic of cellular diversification in the mouse cerebral cortex. <i>Nature</i> , 2021, 595, 554-559.	27.8	212
16	Joint single-cell measurements of nuclear proteins and RNA in vivo. <i>Nature Methods</i> , 2021, 18, 1204-1212.	19.0	69
17	Dissecting mammalian spermatogenesis using spatial transcriptomics. <i>Cell Reports</i> , 2021, 37, 109915.	6.4	54
18	Efficient, continuous mutagenesis in human cells using a pseudo-random DNA editor. <i>Nature Biotechnology</i> , 2020, 38, 165-168.	17.5	59

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19	Disease-associated astrocytes in Alzheimer's disease and aging. <i>Nature Neuroscience</i> , 2020, 23, 701-706.	14.8	525
20	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
21	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
22	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
23	Iterative expansion microscopy. <i>Nature Methods</i> , 2017, 14, 593-599.	19.0	279
24	Nanoscale imaging of RNA with expansion microscopy. <i>Nature Methods</i> , 2016, 13, 679-684.	19.0	314
25	Hybrid Microscopy: Enabling Inexpensive High-Performance Imaging through Combined Physical and Optical Magnifications. <i>Scientific Reports</i> , 2016, 6, 22691.	3.3	44
26	Expansion microscopy. <i>Science</i> , 2015, 347, 543-548.	12.6	1,131
27	A fully genetically encoded protein architecture for optical control of peptide ligand concentration. <i>Nature Communications</i> , 2014, 5, 3019.	12.8	55