Fei Chen

List of Publications by Year in Descending Order

31 papers	2,630 citations	16 h-index	40 g-index
40 ext. papers	4,569 ext. citations	28.4 avg, IF	5.62 L-index

#	Paper	IF	Citations
31	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways.. *IScience*, **2022**, 25, 104097	6.1	1
30	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues.. *Nature*, **2021**,	50.4	6
29	Dissecting mammalian spermatogenesis using spatial transcriptomics. *Cell Reports*, **2021**, 37, 109915	10.6	8
28	Joint single-cell measurements of nuclear proteins and RNA in vivo. *Nature Methods*, **2021**, 18, 1204-1212	21.6	9
27	Targeting a Braf/Mapk pathway rescues podocyte lipid peroxidation in CoQ-deficiency kidney disease. *Journal of Clinical Investigation*, **2021**, 131,	15.9	8
26	Barcoded oligonucleotides ligated on RNA amplified for multiplexed and parallel in situ analyses. *Nucleic Acids Research*, **2021**, 49, e58	20.1	3
25	Compressed sensing for highly efficient imaging transcriptomics. *Nature Biotechnology*, **2021**, 39, 936-942	44.5	8
24	Molecular logic of cellular diversification in the mouse cerebral cortex. *Nature*, **2021**, 595, 554-559	50.4	33
23	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. *Nature Biotechnology*, **2021**, 39, 451-461	44.5	59
22	RNA timestamps identify the age of single molecules in RNA sequencing. *Nature Biotechnology*, **2021**, 39, 320-325	44.5	10
21	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. *Nature Biotechnology*, **2021**, 39, 313-319	44.5	120
20	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. *Science*, **2021**, 371,	33.3	64
19	Robust decomposition of cell type mixtures in spatial transcriptomics. *Nature Biotechnology*, **2021**,	44.5	64
18	In situ genome sequencing resolves DNA sequence and structure in intact biological samples. *Science*, **2021**, 371,	33.3	50
17	Disease-associated astrocytes in Alzheimer's disease and aging. *Nature Neuroscience*, **2020**, 23, 701-706	25.5	188
16	HyPR-seq: Single-cell quantification of chosen RNAs via hybridization and sequencing of DNA probes. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33404-33413	11.5	7
15	Efficient, continuous mutagenesis in human cells using a pseudo-random DNA editor. *Nature Biotechnology*, **2020**, 38, 165-168	44.5	32

List of Publications

14	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. *Science*, **2019**, 363, 1463-1467	33.3	669
13	Multidimensional screening yields channelrhodopsin variants having improved photocurrent and order-of-magnitude reductions in calcium and proton currents. *Journal of Biological Chemistry*, **2019** , 294, 3806-3821	5.4	12
12	Iterative expansion microscopy. *Nature Methods*, **2017**, 14, 593-599	21.6	195
11	Hybrid Microscopy: Enabling Inexpensive High-Performance Imaging through Combined Physical and Optical Magnifications. *Scientific Reports*, **2016**, 6, 22691	4.9	39
10	Nanoscale imaging of RNA with expansion microscopy. *Nature Methods*, **2016**, 13, 679-84	21.6	220
9	Optical imaging. Expansion microscopy. *Science*, **2015**, 347, 543-8	33.3	712
8	A fully genetically encoded protein architecture for optical control of peptide ligand concentration. *Nature Communications*, **2014**, 5, 3019	17.4	44
7	High Resolution Slide-seqV2 Spatial Transcriptomics Enables Discovery of Disease-Specific Cell Neighborhoods and Pathways		3
6	Sensitive spatial genome wide expression profiling at cellular resolution		18
5	Robust decomposition of cell type mixtures in spatial transcriptomics		16
4	Expansion Sequencing: Spatially Precise In Situ Transcriptomics in Intact Biological Systems		9
3	Molecular Logic of Cellular Diversification in the Mammalian Cerebral Cortex		8
2	Dissecting Mammalian Spermatogenesis Using Spatial Transcriptomics		3
1	An atlas of healthy and injured cell states and niches in the human kidney		10