Fei Chen

List of Publications by Citations

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	Optical imaging. Expansion microscopy. *Science*, **2015**, 347, 543-8	33.3	712
30	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution. *Science*, **2019**, 363, 1463-1467	33.3	669
29	Nanoscale imaging of RNA with expansion microscopy. *Nature Methods*, **2016**, 13, 679-84	21.6	220
28	Iterative expansion microscopy. *Nature Methods*, **2017**, 14, 593-599	21.6	195
27	Disease-associated astrocytes in Alzheimer‹s disease and aging. *Nature Neuroscience*, **2020**, 23, 701-706	25.5	188
26	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. *Nature Biotechnology*, **2021**, 39, 313-319	44.5	120
25	Expansion sequencing: Spatially precise in situ transcriptomics in intact biological systems. *Science*, **2021**, 371,	33.3	64
24	Robust decomposition of cell type mixtures in spatial transcriptomics. *Nature Biotechnology*, **2021**,	44.5	64
23	Massively parallel single-cell mitochondrial DNA genotyping and chromatin profiling. *Nature Biotechnology*, **2021**, 39, 451-461	44.5	59
22	In situ genome sequencing resolves DNA sequence and structure in intact biological samples. *Science*, **2021**, 371,	33.3	50
21	A fully genetically encoded protein architecture for optical control of peptide ligand concentration. *Nature Communications*, **2014**, 5, 3019	17.4	44
20	Hybrid Microscopy: Enabling Inexpensive High-Performance Imaging through Combined Physical and Optical Magnifications. *Scientific Reports*, **2016**, 6, 22691	4.9	39
19	Molecular logic of cellular diversification in the mouse cerebral cortex. *Nature*, **2021**, 595, 554-559	50.4	33
18	Efficient, continuous mutagenesis in human cells using a pseudo-random DNA editor. *Nature Biotechnology*, **2020**, 38, 165-168	44.5	32
17	Sensitive spatial genome wide expression profiling at cellular resolution		18
16	Robust decomposition of cell type mixtures in spatial transcriptomics		16
15	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

List of Publications

14	RNA timestamps identify the age of single molecules in RNA sequencing. *Nature Biotechnology*, **2021**, 39, 320-325	44.5	10
13	An atlas of healthy and injured cell states and niches in the human kidney		10
12	Joint single-cell measurements of nuclear proteins and RNA in vivo. *Nature Methods*, **2021**, 18, 1204-1212	21.6	9
11	Expansion Sequencing: Spatially Precise In Situ Transcriptomics in Intact Biological Systems		9
10	Dissecting mammalian spermatogenesis using spatial transcriptomics. *Cell Reports*, **2021**, 37, 109915	10.6	8
9	Molecular Logic of Cellular Diversification in the Mammalian Cerebral Cortex		8
8	Targeting a Braf/Mapk pathway rescues podocyte lipid peroxidation in CoQ-deficiency kidney disease. *Journal of Clinical Investigation*, **2021**, 131,	15.9	8
7	Compressed sensing for highly efficient imaging transcriptomics. *Nature Biotechnology*, **2021**, 39, 936-942	44.5	8
6	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
5	Spatial genomics enables multi-modal study of clonal heterogeneity in tissues.. *Nature*, **2021**,	50.4	6
4	High Resolution Slide-seqV2 Spatial Transcriptomics Enables Discovery of Disease-Specific Cell Neighborhoods and Pathways		3
3	Dissecting Mammalian Spermatogenesis Using Spatial Transcriptomics		3
2	Barcoded oligonucleotides ligated on RNA amplified for multiplexed and parallel in situ analyses. *Nucleic Acids Research*, **2021**, 49, e58	20.1	3
1	High-resolution Slide-seqV2 spatial transcriptomics enables discovery of disease-specific cell neighborhoods and pathways.. *IScience*, **2022**, 25, 104097	6.1	1