Xiaoyan Qian

List of Publications by Year in Descending Order

24 papers	901 citations	12 h-index	26 g-index
26 ext. papers	1,592 ext. citations	18.9 avg, IF	4.07 L-index

#	Paper	IF	Citations
24	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution. *PLoS Biology*, **2020**, 18, e3000675	9.7	14
23	Probabilistic cell typing enables fine mapping of closely related cell types in situ. *Nature Methods*, **2020**, 17, 101-106	21.6	79
22	Hybridization-based in situ sequencing (HybISS) for spatially resolved transcriptomics in human and mouse brain tissue. *Nucleic Acids Research*, **2020**, 48, e112	20.1	34
21	Spatial Transcriptomics and In Situ Sequencing to Study Alzheimer's Disease. *Cell*, **2020**, 182, 976-991.e19	36.2	164
20	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
19	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
18	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
17	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
16	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
15	SCRINSHOT enables spatial mapping of cell states in tissue sections with single-cell resolution **2020**, 18, e3000675		
14	Profiling surface proteins on individual exosomes using a proximity barcoding assay. *Nature Communications*, **2019**, 10, 3854	17.4	78
13	Generation of in situ sequencing based OncoMaps to spatially resolve gene expression profiles of diagnostic and prognostic markers in breast cancer. *EBioMedicine*, **2019**, 48, 212-223	8.8	12
12	Spatiotemporal structure of cell fate decisions in murine neural crest. *Science*, **2019**, 364,	33.3	181
11	Spatial and temporal localization of immune transcripts defines hallmarks and diversity in the tuberculosis granuloma. *Nature Communications*, **2019**, 10, 1823	17.4	27
10	A Spatiotemporal Organ-Wide Gene Expression and Cell Atlas of the Developing Human Heart. *Cell*, **2019**, 179, 1647-1660.e19	56.2	188
9	Network Visualization and Analysis of Spatially Aware Gene Expression Data with InsituNet. *Cell Systems*, **2018**, 6, 626-630.e3	10.6	6
8	Analysis of IAV Replication and Co-infection Dynamics by a Versatile RNA Viral Genome Labeling Method. *Cell Reports*, **2017**, 20, 251-263	10.6	42

7	Spatial sexual dimorphism of X and Y homolog gene expression in the human central nervous system during early male development. *Biology of Sex Differences*, **2016**, 7, 5	9.3	19
6	Oligonucleotide gap-fill ligation for mutation detection and sequencing in situ. *Nucleic Acids Research*, **2015**, 43, e151	20.1	14
5	Compaction of rolling circle amplification products increases signal integrity and signal-to-noise ratio. *Scientific Reports*, **2015**, 5, 12317	4.9	20
4	Formation of Silver Nanostructures by Rolling Circle Amplification Using Boranephosphonate-Modified Nucleotides. *Analytical Chemistry*, **2015**, 87, 6660-6	7.8	12
3	Hybridization-based In Situ Sequencing (HybISS): spatial transcriptomic detection in human and mouse brain tissue		4
2	SCRINSHOT, a spatial method for single-cell resolution mapping of cell states in tissue sections		1
1	A spatial atlas of inhibitory cell types in mouse hippocampus		6