

# Denis Schapiro

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

4,873  
citations

361296

20  
h-index

501076

28  
g-index

44  
all docs

44  
docs citations

44  
times ranked

7414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly multiplexed imaging of tumor tissues with subcellular resolution by mass cytometry. <i>Nature Methods</i> , 2014, 11, 417-422.	9.0	1,430
2	High-definition spatial transcriptomics for in situ tissue profiling. <i>Nature Methods</i> , 2019, 16, 987-990.	9.0	708
3	histoCAT: analysis of cell phenotypes and interactions in multiplex image cytometry data. <i>Nature Methods</i> , 2017, 14, 873-876.	9.0	470
4	A molecular single-cell lung atlas of lethal COVID-19. <i>Nature</i> , 2021, 595, 114-119.	13.7	411
5	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020, 181, 236-249.	13.5	334
6	A Map of Human Type 1 Diabetes Progression by Imaging Mass Cytometry. <i>Cell Metabolism</i> , 2019, 29, 755-768.e5.	7.2	217
7	Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry. <i>Cell Systems</i> , 2018, 6, 25-36.e5.	2.9	214
8	Immunogenomic profiling determines responses to combined PARP and PD-1 inhibition in ovarian cancer. <i>Nature Communications</i> , 2020, 11, 1459.	5.8	176
9	Modeling Cell-Cell Interactions from Spatial Molecular Data with Spatial Variance Component Analysis. <i>Cell Reports</i> , 2019, 29, 202-211.e6.	2.9	133
10	MCMICRO: a scalable, modular image-processing pipeline for multiplexed tissue imaging. <i>Nature Methods</i> , 2022, 19, 311-315.	9.0	102
11	Receptor-Driven ERK Pulses Reconfigure MAPK Signaling and Enable Persistence of Drug-Adapted BRAF-Mutant Melanoma Cells. <i>Cell Systems</i> , 2020, 11, 478-494.e9.	2.9	71
12	Evolution of delayed resistance to immunotherapy in a melanoma responder. <i>Nature Medicine</i> , 2021, 27, 985-992.	15.2	67
13	Dissecting the treatment-naive ecosystem of human melanoma brain metastasis. <i>Cell</i> , 2022, 185, 2591-2608.e30.	13.5	62
14	Automatic single cell segmentation on highly multiplexed tissue images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 936-942.	1.1	53
15	Explainable multiview framework for dissecting spatial relationships from highly multiplexed data. <i>Genome Biology</i> , 2022, 23, 97.	3.8	45
16	Influence of node abundance on signaling network state and dynamics analyzed by mass cytometry. <i>Nature Biotechnology</i> , 2017, 35, 164-172.	9.4	39
17	High-Dimensional Phenotyping Identifies Age-Emergent Cells in Human Mammary Epithelia. <i>Cell Reports</i> , 2018, 23, 1205-1219.	2.9	39
18	Highly multiplexed immunofluorescence images and single-cell data of immune markers in tonsil and lung cancer. <i>Scientific Data</i> , 2019, 6, 323.	2.4	39

#	ARTICLE	IF	CITATIONS
19	MITI minimum information guidelines for highly multiplexed tissue images. <i>Nature Methods</i> , 2022, 19, 262-267.	9.0	37
20	Three-dimensional spatial transcriptomics uncovers cell type localizations in the human rheumatoid arthritis synovium. <i>Communications Biology</i> , 2022, 5, 129.	2.0	35
21	Stepwise-edited, human melanoma models reveal mutations's effect on tumor and microenvironment. <i>Science</i> , 2022, 376, eabi8175.	6.0	24
22	Abstract PR-007: Single-nucleus and spatial transcriptomics of archival pancreatic ductal adenocarcinoma reveals multi-compartment reprogramming after neoadjuvant treatment. <i>Cancer Research</i> , 2020, 80, PR-007-PR-007.	0.4	3
23	Channel Embedding for Informative Protein Identification from Highly Multiplexed Images. <i>Lecture Notes in Computer Science</i> , 2020, 12265, 3-13.	1.0	3
24	Laser Ablation ICP-MS for Single-Cell-based Tissue Imaging. <i>Chimia</i> , 2015, 69, 637.	0.3	1
25	Single-nucleus RNA-seq and Spatial Transcriptomics of Archival Primary Pancreatic Ductal Adenocarcinoma Uncovers Multi-compartment Intratumoral Heterogeneity Associated with Neoadjuvant Chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, S48-S49.	0.4	1
26	Abstract 94: Multi-compartment reprogramming and spatially-resolved interactions in frozen pancreatic cancer with and without neoadjuvant chemotherapy and radiotherapy at single-cell resolution. , 2021, , .		0
27	Abstract LB-B09: ERK pulses drive non-genetic resistance in drug-adapted BRAFV600Emelanoma cells. , 2019, , .		0
28	Single-nucleus RNA-seq of frozen archival primary pancreatic ductal adenocarcinoma uncovers multi-compartment intratumoral heterogeneity associated with neoadjuvant treatment.. <i>Journal of Clinical Oncology</i> , 2020, 38, 4633-4633.	0.8	0