

Peter Smibert

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

31,196
citations

185998

28
h-index

276539

41
g-index

67
all docs

67
docs citations

67
times ranked

42749
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Integration of Single-Cell Data. <i>Cell</i> , 2019, 177, 1888-1902.e21.	13.5	9,755
2	Integrating single-cell transcriptomic data across different conditions, technologies, and species. <i>Nature Biotechnology</i> , 2018, 36, 411-420.	9.4	8,878
3	Integrated analysis of multimodal single-cell data. <i>Cell</i> , 2021, 184, 3573-3587.e29.	13.5	5,912
4	Simultaneous epitope and transcriptome measurement in single cells. <i>Nature Methods</i> , 2017, 14, 865-868.	9.0	2,124
5	Cell Hashing with barcoded antibodies enables multiplexing and doublet detection for single cell genomics. <i>Genome Biology</i> , 2018, 19, 224.	3.8	674
6	miR-33a/b contribute to the regulation of fatty acid metabolism and insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9232-9237.	3.3	615
7	Identification of Required Host Factors for SARS-CoV-2 Infection in Human Cells. <i>Cell</i> , 2021, 184, 92-105.e16.	13.5	480
8	Multiplexed detection of proteins, transcriptomes, clonotypes and CRISPR perturbations in single cells. <i>Nature Methods</i> , 2019, 16, 409-412.	9.0	364
9	Scalable, multimodal profiling of chromatin accessibility, gene expression and protein levels in single cells. <i>Nature Biotechnology</i> , 2021, 39, 1246-1258.	9.4	244
10	Somatic mutations and cell identity linked by Genotyping of Transcriptomes. <i>Nature</i> , 2019, 571, 355-360.	13.7	206
11	Global Patterns of Tissue-Specific Alternative Polyadenylation in <i>Drosophila</i> . <i>Cell Reports</i> , 2012, 1, 277-289.	2.9	201
12	Homeostatic control of Argonaute stability by microRNA availability. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 789-795.	3.6	129
13	Characterizing the molecular regulation of inhibitory immune checkpoints with multimodal single-cell screens. <i>Nature Genetics</i> , 2021, 53, 322-331.	9.4	96
14	A genome-scale screen for synthetic drivers of T cell proliferation. <i>Nature</i> , 2022, 603, 728-735.	13.7	84
15	miR-9a prevents apoptosis during wing development by repressing <i>Drosophila</i> LIM-only. <i>Developmental Biology</i> , 2010, 338, 63-73.	0.9	75
16	A personalized platform identifies trametinib plus zoledronate for a patient with KRAS-mutant metastatic colorectal cancer. <i>Science Advances</i> , 2019, 5, eaav6528.	4.7	74
17	The hpRNA/RNAi Pathway Is Essential to Resolve Intragenomic Conflict in the <i>Drosophila</i> Male Germline. <i>Developmental Cell</i> , 2018, 46, 316-326.e5.	3.1	67
18	A <i>Drosophila pasha</i> Mutant Distinguishes the Canonical MicroRNA and Mirtron Pathways. <i>Molecular and Cellular Biology</i> , 2009, 29, 861-870.	1.1	59

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19	<i>Drosophila</i> Argonaute 1 and its miRNA biogenesis partners are required for oocyte formation and germline cell division. <i>Developmental Biology</i> , 2012, 365, 384-394.	0.9	52
20	High throughput pMHC-I tetramer library production using chaperone-mediated peptide exchange. <i>Nature Communications</i> , 2020, 11, 1909.	5.8	48
21	Lessons from microRNA mutants in worms, flies and mice. <i>Cell Cycle</i> , 2008, 7, 2500-2508.	1.3	46
22	Characterizing cellular heterogeneity in chromatin state with scCUT&Tag-pro. <i>Nature Biotechnology</i> , 2022, 40, 1220-1230.	9.4	46
23	<i>YES1</i> amplification is a mechanism of acquired resistance to EGFR inhibitors identified by transposon mutagenesis and clinical genomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6030-E6038.	3.3	44
24	Profiling the genetic determinants of chromatin accessibility with scalable single-cell CRISPR screens. <i>Nature Biotechnology</i> , 2021, 39, 1270-1277.	9.4	43
25	Multimodal single-cell analysis of cutaneous T-cell lymphoma reveals distinct subclonal tissue-dependent signatures. <i>Blood</i> , 2021, 138, 1456-1464.	0.6	39
26	Clonal lineage tracing reveals shared origin of conventional and plasmacytoid dendritic cells. <i>Immunity</i> , 2022, 55, 405-422.e11.	6.6	37
27	The miR-310/13 cluster antagonizes β -catenin function in the regulation of germ and somatic cell differentiation in the <i>Drosophila</i> testis. <i>Development (Cambridge)</i> , 2013, 140, 2904-2916.	1.2	36
28	A view from <i>Drosophila</i> : Multiple biological functions for individual microRNAs. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 745-753.	2.3	35
29	Improving oligo-conjugated antibody signal in multimodal single-cell analysis. <i>ELife</i> , 2021, 10, .	2.8	33
30	Single Cell Analysis of Blood Mononuclear Cells Stimulated Through Either LPS or Anti-CD3 and Anti-CD28. <i>Frontiers in Immunology</i> , 2021, 12, 636720.	2.2	32
31	A <i>Drosophila</i> genetic screen yields allelic series of core microRNA biogenesis factors and reveals post-developmental roles for microRNAs. <i>Rna</i> , 2011, 17, 1997-2010.	1.6	28
32	Multiplexed single-cell analysis reveals prognostic and nonprognostic T cell types in human colorectal cancer. <i>JCI Insight</i> , 2022, 7, .	2.3	24
33	Intertwined pathways for Argonaute-mediated microRNA biogenesis in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 2014, 42, 1987-2002.	6.5	23
34	A <i>Drosophila</i> platform identifies a novel, personalized therapy for a patient with adenoid cystic carcinoma. <i>IScience</i> , 2021, 24, 102212.	1.9	23
35	Single-cell stabilization method identifies gonadotrope transcriptional dynamics and pituitary cell type heterogeneity. <i>Nucleic Acids Research</i> , 2018, 46, 11370-11380.	6.5	21
36	Exploiting <i>Drosophila</i> Genetics to Understand MicroRNA Function and Regulation. <i>Current Topics in Developmental Biology</i> , 2012, 99, 201-235.	1.0	20

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37	An extensive allelic series of <i>Drosophila kae1</i> mutants reveals diverse and tissue-specific requirements for t6A biogenesis. <i>Rna</i> , 2015, 21, 2103-2118.	1.6	18
38	Know thy fly. <i>Trends in Genetics</i> , 2007, 23, 238-242.	2.9	17
39	Neural specificity of the RNA binding protein Elav is achieved by post-transcriptional repression in non-neural tissues. <i>Development (Cambridge)</i> , 2016, 143, 4474-4485.	1.2	16
40	Low SATB1 Expression Promotes IL-5 and IL-9 Expression in SÅ©zary Syndrome. <i>Journal of Investigative Dermatology</i> , 2020, 140, 713-716.	0.3	5
41	CITE-seq. Protocol Exchange, 0, , .	0.3	4
42	Global Patterns of Tissue-Specific Alternative Polyadenylation in <i>Drosophila</i> . <i>Cell Reports</i> , 2013, 3, 969.	2.9	1
43	Genomic analysis and personalized cancer therapy for metastatic colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2015, 33, 568-568.	0.8	0
44	Single-Cell Multi-Omics Reveals That Pegylated Interferon-Alfa Treatment Differentially Redirects Mutated and Wildtype Hematopoietic Cell Differentiation Trajectories in CALR-mutated Essential Thrombocythemia (ET) Patients. <i>Blood</i> , 2021, 138, 57-57.	0.6	0
45	Development of Novel CAR Therapies for Diffuse Large B-Cell Lymphoma Using Genome-Wide Overexpression Screens. <i>Blood</i> , 2021, 138, 1726-1726.	0.6	0