Peter Smibert

List of Publications by Year
in descending order

45 papers	31,196 citations	186265 28 h-index	276875 41 g-index
67 all docs	67 docs citations	67 times ranked	42749 citing authors

#	Article	IF	Citations
1	Characterizing cellular heterogeneity in chromatin state with scCUT&Tag-pro. Nature Biotechnology, 2022, 40, 1220-1230.	17.5	46
2	Clonal lineage tracing reveals shared origin of conventional and plasmacytoid dendritic cells. Immunity, 2022, 55, 405-422.e11.	14.3	37
3	A genome-scale screen for synthetic drivers of T cell proliferation. Nature, 2022, 603, 728-735.	27.8	84
4	Multiplexed single-cell analysis reveals prognostic and nonprognostic T cell types in human colorectal cancer. JCI Insight, 2022, 7, .	5.0	24
5	Identification of Required Host Factors for SARS-CoV-2 Infection in Human Cells. Cell, 2021, 184, 92-105.e16.	28.9	480
6	A Drosophila platform identifies a novel, personalized therapy for a patient with adenoid cystic carcinoma. IScience, 2021, 24, 102212.	4.1	23
7	Single Cell Analysis of Blood Mononuclear Cells Stimulated Through Either LPS or Anti-CD3 and Anti-CD28. Frontiers in Immunology, 2021, 12, 636720.	4.8	32
8	Characterizing the molecular regulation of inhibitory immune checkpoints with multimodal single-cell screens. Nature Genetics, 2021, 53, 322-331.	21.4	96
9	Profiling the genetic determinants of chromatin accessibility with scalable single-cell CRISPR screens. Nature Biotechnology, 2021, 39, 1270-1277.	17.5	43
10	Improving oligo-conjugated antibody signal in multimodal single-cell analysis. ELife, 2021, 10, .	6.0	33
11	Integrated analysis of multimodal single-cell data. Cell, 2021, 184, 3573-3587.e29.	28.9	5,912
12	Scalable, multimodal profiling of chromatin accessibility, gene expression and protein levels in single cells. Nature Biotechnology, 2021, 39, 1246-1258.	17.5	244
13	Multimodal single-cell analysis of cutaneous T-cell lymphoma reveals distinct subclonal tissue-dependent signatures. Blood, 2021, 138, 1456-1464.	1.4	39
14	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. Blood, 2021, 138, 57-57.	1.4	0
15	Development of Novel CAR Therapies for Diffuse Large B-Cell Lymphoma Using Genome-Wide Overexpression Screens. Blood, 2021, 138, 1726-1726.	1.4	0
16	Low SATB1 Expression Promotes IL-5 and IL-9 Expression in SÃ©zary Syndrome. Journal of Investigative Dermatology, 2020, 140, 713-716.	0.7	5
17	High throughput pMHC-I tetramer library production using chaperone-mediated peptide exchange. Nature Communications, 2020, 11, 1909.	12.8	48
18	Somatic mutations and cell identity linked by Genotyping of Transcriptomes. Nature, 2019, 571, 355-360.	27.8	206

#	Article	IF	Citations
19	Comprehensive Integration of Single-Cell Data. Cell, 2019, 177, 1888-1902.e21.	28.9	9,755
20	A personalized platform identifies trametinib plus zoledronate for a patient with KRAS-mutant metastatic colorectal cancer. Science Advances, 2019, 5, eaav6528.	10.3	74
21	Multiplexed detection of proteins, transcriptomes, clonotypes and CRISPR perturbations in single cells. Nature Methods, 2019, 16, 409-412.	19.0	364
22	Integrating single-cell transcriptomic data across different conditions, technologies, and species. Nature Biotechnology, 2018, 36, 411-420.	17.5	8,878
23	Cell Hashing with barcoded antibodies enables multiplexing and doublet detection for single cell genomics. Genome Biology, 2018, 19, 224.	8.8	674
24	Single-cell stabilization method identifies gonadotrope transcriptional dynamics and pituitary cell type heterogeneity. Nucleic Acids Research, 2018, 46, 11370-11380.	14.5	21
25	The hpRNA/RNAi Pathway Is Essential to Resolve Intragenomic Conflict in the Drosophila Male Germline. Developmental Cell, 2018, 46, 316-326.e5.	7.0	67
26	YES1 amplification is a mechanism of acquired resistance to EGFR inhibitors identified by transposon mutagenesis and clinical genomics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6030-E6038.	7.1	44
27	Simultaneous epitope and transcriptome measurement in single cells. Nature Methods, 2017, 14, 865-868.	19.0	2,124
28	Neural specificity of the RNA binding protein Elav is achieved by post-transcriptional repression in non-neural tissues. Development (Cambridge), 2016, 143, 4474-4485.	2.5	16
29	An extensive allelic series of Drosophila kae1 mutants reveals diverse and tissue-specific requirements for t6A biogenesis. Rna, 2015, 21, 2103-2118.	3.5	18
30	Genomic analysis and personalized cancer therapy for metastatic colorectal cancer.. Journal of Clinical Oncology, 2015, 33, 568-568.	1.6	0
31	Intertwined pathways for Argonaute-mediated microRNA biogenesis in Drosophila. Nucleic Acids Research, 2014, 42, 1987-2002.	14.5	23
32	Global Patterns of Tissue-Specific Alternative Polyadenylation in Drosophila. Cell Reports, 2013, 3, 969.	6.4	1
33	The miR-310/13 cluster antagonizes Î²-catenin function in the regulation of germ and somatic cell differentiation in theDrosophilatestis. Development (Cambridge), 2013, 140, 2904-2916.	2.5	36
34	Homeostatic control of Argonaute stability by microRNA availability. Nature Structural and Molecular Biology, 2013, 20, 789-795.	8.2	129
35	Global Patterns of Tissue-Specific Alternative Polyadenylation in Drosophila. Cell Reports, 2012, 1, 277-289.	6.4	201
36	Exploiting Drosophila Genetics to Understand MicroRNA Function and Regulation. Current Topics in Developmental Biology, 2012, 99, 201-235.	2.2	20

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37	Drosophila Argonaute 1 and its miRNA biogenesis partners are required for oocyte formation and germline cell division. Developmental Biology, 2012, 365, 384-394.	2.0	52
38	A Drosophila genetic screen yields allelic series of core microRNA biogenesis factors and reveals post-developmental roles for microRNAs. Rna, 2011, 17, 1997-2010.	3.5	28
39	miR-33a/b contribute to the regulation of fatty acid metabolism and insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9232-9237.	7.1	615
40	A view from Drosophila: Multiple biological functions for individual microRNAs. Seminars in Cell and Developmental Biology, 2010, 21, 745-753.	5.0	35
41	miR-9a prevents apoptosis during wing development by repressing Drosophila LIM-only. Developmental Biology, 2010, 338, 63-73.	2.0	75
42	A Drosophila pasha Mutant Distinguishes the Canonical MicroRNA and Mirtron Pathways. Molecular and Cellular Biology, 2009, 29, 861-870.	2.3	59
43	Lessons from microRNA mutants in worms, flies and mice. Cell Cycle, 2008, 7, 2500-2508.	2.6	46
44	Know thy fly. Trends in Genetics, 2007, 23, 238-242.	6.7	17
45	CITE-seq. Protocol Exchange, 0, , .	0.3	4