Ansuman T Satpathy

List of Publications by Year
in descending order

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93 papers	16,368 citations	31902 53 h-index	48187 88 g-index
118 all docs	118 docs citations	118 times ranked	26282 citing authors

#	Article	IF	Citations
1	An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues. Nature Methods, 2017, 14, 959-962.	9.0	1,653
2	Embryonic and Adult-Derived Resident Cardiac Macrophages Are Maintained through Distinct Mechanisms at Steady State and during Inflammation. Immunity, 2014, 40, 91-104.	6.6	1,120
3	Clonal replacement of tumor-specific T cells following PD-1 blockade. Nature Medicine, 2019, 25, 1251-1259.	15.2	974
4	CRISPR-engineered T cells in patients with refractory cancer. Science, 2020, 367, .	6.0	872
5	The chromatin accessibility landscape of primary human cancers. Science, 2018, 362, .	6.0	781
6	Massively parallel single-cell chromatin landscapes of human immune cell development and intratumoral T cell exhaustion. Nature Biotechnology, 2019, 37, 925-936.	9.4	622
7	Ly6Chi Monocytes in the Inflamed Colon Give Rise to Proinflammatory Effector Cells and Migratory Antigen-Presenting Cells. Immunity, 2012, 37, 1076-1090.	6.6	613
8	Gene regulation in the immune system by long noncoding RNAs. Nature Immunology, 2017, 18, 962-972.	7.0	611
9	Zbtb46 expression distinguishes classical dendritic cells and their committed progenitors from other immune lineages. Journal of Experimental Medicine, 2012, 209, 1135-1152.	4.2	515
10	c-Jun overexpression in CAR T cells induces exhaustion resistance. Nature, 2019, 576, 293-300.	13.7	480
11	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. Nature Genetics, 2017, 49, 1602-1612.	9.4	419
12	A Long Noncoding RNA lincRNA-EPS Acts as a Transcriptional Brake to Restrain Inflammation. Cell, 2016, 165, 1672-1685.	13.5	399
13	Re(de)fining the dendritic cell lineage. Nature Immunology, 2012, 13, 1145-1154.	7.0	385
14	Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. Nature Immunology, 2013, 14, 937-948.	7.0	368
15	Compensatory dendritic cell development mediated by BATFâ€“IRF interactions. Nature, 2012, 490, 502-507.	13.7	367
16	Heme-Mediated SPI-C Induction Promotes Monocyte Differentiation into Iron-Recycling Macrophages. Cell, 2014, 156, 1223-1234.	13.5	359
17	Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling. Science, 2021, 372, .	6.0	297
18	Single-Cell Analyses Identify Brain Mural Cells Expressing CD19 as Potential Off-Tumor Targets for CAR-T Immunotherapies. Cell, 2020, 183, 126-142.e17.	13.5	269

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19	Discovery of stimulation-responsive immune enhancers with CRISPR activation. Nature, 2017, 549, 111-115.	13.7	247
20	Impaired mitochondrial oxidative phosphorylation limits the self-renewal of T cells exposed to persistent antigen. Nature Immunology, 2020, 21, 1022-1033.	7.0	227
21	Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2. Cell Host and Microbe, 2020, 28, 516-525.e5.	5.1	219
22	Coupled Single-Cell CRISPR Screening and Epigenomic Profiling Reveals Causal Gene Regulatory Networks. Cell, 2019, 176, 361-376.e17.	13.5	215
23	ATAC-see reveals the accessible genome by transposase-mediated imaging and sequencing. Nature Methods, 2016, 13, 1013-1020.	9.0	199
24	Long Noncoding RNA in Hematopoiesis and Immunity. Immunity, 2015, 42, 792-804.	6.6	161
25	Integrative analysis of single-cell genomics data by coupled nonnegative matrix factorizations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7723-7728.	3.3	156
26	Interrogation of human hematopoiesis at single-cell and single-variant resolution. Nature Genetics, 2019, 51, 683-693.	9.4	147
27	IRF-8 extinguishes neutrophil production and promotes dendritic cell lineage commitment in both myeloid and lymphoid mouse progenitors. Blood, 2012, 119, 2003-2012.	0.6	144
28	Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. Cell, 2021, 184, 2394-2411.e16.	13.5	141
29	Chromatin Accessibility Landscape of Cutaneous T Cell Lymphoma and Dynamic Response to HDAC Inhibitors. Cancer Cell, 2017, 32, 27-41.e4.	7.7	136
30	Extrathymic Aire-Expressing Cells Are a Distinct Bone Marrow-Derived Population that Induce Functional Inactivation of CD4+ T Cells. Immunity, 2013, 39, 560-572.	6.6	133
31	High-throughput and single-cell T cell receptor sequencing technologies. Nature Methods, 2021, 18, 881-892.	9.0	133
32	Transcript-indexed ATAC-seq for precision immune profiling. Nature Medicine, 2018, 24, 580-590.	15.2	124
33	ecDNA hubs drive cooperative intermolecular oncogene expression. Nature, 2021, 600, 731-736.	13.7	123
34	KIR ⁺ CD8 ⁺ T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19. Science, 2022, 376, eabi9591.	6.0	113
35	Spatiotemporal co-dependency between macrophages and exhausted CD8+ TÂcells in cancer. Cancer Cell, 2022, 40, 624-638.e9.	7.7	113
36	Lymph node colonization induces tumor-immune tolerance to promote distant metastasis. Cell, 2022, 185, 1924-1942.e23.	13.5	111

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37	B cell-specific XIST complex enforces X-inactivation and restrains atypical B cells. Cell, 2021, 184, 1790-1803.e17.	13.5	105
38	Genome-wide CRISPR screens of TÂcell exhaustion identify chromatin remodeling factors that limit TÂcell persistence. Cancer Cell, 2022, 40, 768-786.e7.	7.7	104
39	Cryptic activation of an Irf8 enhancer governs cDC1 fate specification. Nature Immunology, 2019, 20, 1161-1173.	7.0	100
40	GWAS for systemic sclerosis identifies multiple risk loci and highlights fibrotic and vasculopathy pathways. Nature Communications, 2019, 10, 4955.	5.8	100
41	Enhanced safety and efficacy of protease-regulated CAR-T cell receptors. Cell, 2022, 185, 1745-1763.e22.	13.5	88
42	L-Myc expression by dendritic cells is required for optimal T-cell priming. Nature, 2014, 507, 243-247.	13.7	87
43	Pembrolizumab for advanced basal cell carcinoma: An investigator-initiated, proof-of-concept study. Journal of the American Academy of Dermatology, 2019, 80, 564-566.	0.6	83
44	IL-1Î²-Mediated Innate Immunity Is Amplified in the db/db Mouse Model of Type 2 Diabetes. Journal of Immunology, 2005, 174, 4991-4997.	0.4	82
45	Epigenetic regulation of T cell exhaustion. Nature Immunology, 2022, 23, 848-860.	7.0	82
46	An Nfil3â€“Zeb2â€“Id2 pathway imposes Irf8 enhancer switching during cDC1 development. Nature Immunology, 2019, 20, 1174-1185.	7.0	80
47	Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. Immunity, 2020, 53, 1078-1094.e7.	6.6	76
48	Enhanced thymic selection of FoxP3 ⁺ regulatory T cells in the NOD mouse model of autoimmune diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18181-18186.	3.3	73
49	A Mutation in the Transcription Factor Foxp3 Drives T Helper 2 Effector Function in Regulatory T Cells. Immunity, 2019, 50, 362-377.e6.	6.6	72
50	HiChIRP reveals RNA-associated chromosome conformation. Nature Methods, 2019, 16, 489-492.	9.0	70
51	Cross-dressed CD8Î± ⁺ /CD103 ⁺ dendritic cells prime CD8 ⁺ T cells following vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12716-12721.	3.3	63
52	GPC2-CAR TÂcells tuned for low antigen density mediate potent activity against neuroblastoma without toxicity. Cancer Cell, 2022, 40, 53-69.e9.	7.7	60
53	Transcription factor networks in dendritic cell development. Seminars in Immunology, 2011, 23, 388-397.	2.7	59
54	Recruiting T cells in cancer immunotherapy. Science, 2021, 372, 130-131.	6.0	56

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55	Targeting of B and T lymphocyte associated (BTLA) prevents graft-versus-host disease without global immunosuppression. Journal of Experimental Medicine, 2010, 207, 2551-2559.	4.2	55
56	Notch2-dependent DC2s mediate splenic germinal center responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10726-10731.	3.3	53
57	A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGFÎ±-Mediated Recruitment of Neutrophils. Immunity, 2019, 50, 1069-1083.e8.	6.6	50
58	Bystander T cells in cancer immunology and therapy. Nature Cancer, 2022, 3, 143-155.	5.7	47
59	Mitochondrial variant enrichment from high-throughput single-cell RNA sequencing resolves clonal populations. Nature Biotechnology, 2022, 40, 1030-1034.	9.4	45
60	Bcl11a Controls Flt3 Expression in Early Hematopoietic Progenitors and Is Required for pDC Development In Vivo. PLoS ONE, 2013, 8, e64800.	1.1	42
61	Runx1 and CbfÎ² regulate the development of Flt3+ dendritic cell progenitors and restrict myeloproliferative disorder. Blood, 2014, 123, 2968-2977.	0.6	42
62	Single-cell multiomics defines tolerogenic extrathymic Aire-expressing populations with unique homology to thymic epithelium. Science Immunology, 2021, 6, eabl5053.	5.6	39
63	Identification of presented SARS-CoV-2 HLA class I and HLA class II peptides using HLA peptidomics. Cell Reports, 2021, 35, 109305.	2.9	38
64	Surface Proteomics Reveals CD72 as a Target for In Vitroâ€“Evolved Nanobody-Based CAR-T Cells in KMT2A/MLL1-Rearranged B-ALL. Cancer Discovery, 2021, 11, 2032-2049.	7.7	37
65	NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. Blood Cancer Discovery, 2021, 2, 648-665.	2.6	37
66	Dynamic chromatin regulatory landscape of human CAR T cell exhaustion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	36
67	A human mutation in STAT3 promotes type 1 diabetes through a defect in CD8+ T cell tolerance. Journal of Experimental Medicine, 2021, 218, .	4.2	32
68	BCL6-dependent TCF-1+ progenitor cells maintain effector and helper CD4+ TÂcell responses to persistent antigen. Immunity, 2022, 55, 1200-1215.e6.	6.6	30
69	Cutting Edge: Origins, Recruitment, and Regulation of CD11c+ Cells in Inflamed Islets of Autoimmune Diabetes Mice. Journal of Immunology, 2017, 199, 27-32.	0.4	24
70	Transition to a mesenchymal state in neuroblastoma confers resistance to anti-GD2 antibody via reduced expression of ST8SIA1. Nature Cancer, 2022, 3, 976-993.	5.7	23
71	Chromatin accessibility landscapes of skin cells in systemic sclerosis nominate dendritic cells in disease pathogenesis. Nature Communications, 2020, 11, 5843.	5.8	22
72	Enhancer Connectome Nominates Target GenesÂof Inherited Risk Variants from Inflammatory Skin Disorders. Journal of Investigative Dermatology, 2019, 139, 605-614.	0.3	21

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73	Toward a better understanding of TÂcells in cancer. Cancer Cell, 2021, 39, 1549-1552.	7.7	21
74	Chromatin Landscape Underpinning Human Dendritic Cell Heterogeneity. Cell Reports, 2020, 32, 108180.	2.9	18
75	Profiling Chromatin Accessibility at Single-cell Resolution. Genomics, Proteomics and Bioinformatics, 2021, 19, 172-190.	3.0	18
76	Identification of a T-bethi Quiescent Exhausted CD8 T Cell Subpopulation That Can Differentiate into TIM3+CX3CR1+ Effectors and Memory-like Cells. Journal of Immunology, 2021, 206, 2924-2936.	0.4	17
77	Differential usage of transcriptional repressor Zeb2 enhancers distinguishes adult and embryonic hematopoiesis. Immunity, 2021, 54, 1417-1432.e7.	6.6	17
78	Combined presentation and immunogenicity analysis reveals a recurrent RAS.Q61K neoantigen in melanoma. Journal of Clinical Investigation, 2021, 131, .	3.9	15
79	Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease. Blood, 2021, 138, 5-5.	0.6	15
80	Expression of the transcription factor ZBTB46 distinguishes human histiocytic disorders of classical dendritic cell origin. Modern Pathology, 2018, 31, 1479-1486.	2.9	14
81	Interrogating immune cells and cancer with CRISPR-Cas9. Trends in Immunology, 2021, 42, 432-446.	2.9	13
82	Cytokines in Type 2 Diabetes. Vitamins and Hormones, 2006, 74, 405-441.	0.7	10
83	Revisiting the specificity of the MHC classâ€„II transactivator CIITA in classical murine dendritic cells in vivo. European Journal of Immunology, 2017, 47, 1317-1323.	1.6	9
84	Charting the tumor antigen maps drawn by single-cell genomics. Cancer Cell, 2021, 39, 1553-1557.	7.7	9
85	Tracking the immune response with single-cell genomics. Vaccine, 2020, 38, 4487-4490.	1.7	7
86	Archetypes of checkpoint-responsive immunity. Trends in Immunology, 2021, 42, 960-974.	2.9	5
87	Cellular morphology of BRAF V600E-positive Langerhans cell histiocytosis. Blood, 2015, 126, 1857-1857.	0.6	4
88	Repertoire Remodeling through CD4+ T-cell Depletion. Cancer Immunology Research, 2021, 9, 601-601.	1.6	1
89	HiChIRP: RNA-centric chromatin conformation. Protocol Exchange, 0, , .	0.3	1
90	An old BATFâ€™s new T-ricks. Nature Immunology, 2020, 21, 1309-1310.	7.0	0

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91	Charting a shared epigenetic pathway to CD8+ T cell dysfunction in infection and cancer. Molecular Cell, 2021, 81, 2272-2274.	4.5	0
92	Abstract 1548: Potent activity of CAR T cells targeting the oncofetal protein GPC2 engineered to recognize low antigen density in neuroblastoma. , 2021, , .		0
93	Dissecting the Regulation of Human Hematopoiesis at Single-Cell and Single-Variant Resolution. Blood, 2018, 132, 531-531.	0.6	0