

# Ansuman T Satpathy

## List of Publications by Year in descending order

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Version: 2024-02-01

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	GPC2-CAR T cells tuned for low antigen density mediate potent activity against neuroblastoma without toxicity. Cancer Cell, 2022, 40, 53-69.e9.	7.7	60
2	Bystander T cells in cancer immunology and therapy. Nature Cancer, 2022, 3, 143-155.	5.7	47
3	Mitochondrial variant enrichment from high-throughput single-cell RNA sequencing resolves clonal populations. Nature Biotechnology, 2022, 40, 1030-1034.	9.4	45
4	KIR <sup>+</sup> CD8 <sup>+</sup> T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19. Science, 2022, 376, eabi9591.	6.0	113
5	Lymph node colonization induces tumor-immune tolerance to promote distant metastasis. Cell, 2022, 185, 1924-1942.e23.	13.5	111
6	Enhanced safety and efficacy of protease-regulated CAR-T cell receptors. Cell, 2022, 185, 1745-1763.e22.	13.5	88
7	Spatiotemporal co-dependency between macrophages and exhausted CD8+ T cells in cancer. Cancer Cell, 2022, 40, 624-638.e9.	7.7	113
8	Epigenetic regulation of T cell exhaustion. Nature Immunology, 2022, 23, 848-860.	7.0	82
9	BCL6-dependent TCF-1+ progenitor cells maintain effector and helper CD4+ T cell responses to persistent antigen. Immunity, 2022, 55, 1200-1215.e6.	6.6	30
10	Genome-wide CRISPR screens of T cell exhaustion identify chromatin remodeling factors that limit T cell persistence. Cancer Cell, 2022, 40, 768-786.e7.	7.7	104
11	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
12	Profiling Chromatin Accessibility at Single-cell Resolution. Genomics, Proteomics and Bioinformatics, 2021, 19, 172-190.	3.0	18
13	Surface Proteomics Reveals CD72 as a Target for <i>In Vitro</i> “Evolved Nanobody-Based CAR-T Cells in <i>KMT2A/MLL1</i>-Rearranged B-ALL. Cancer Discovery, 2021, 11, 2032-2049.	7.7	37
14	B cell-specific XIST complex enforces X-inactivation and restrains atypical B cells. Cell, 2021, 184, 1790-1803.e17.	13.5	105
15	Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. Cell, 2021, 184, 2394-2411.e16.	13.5	141
16	Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling. Science, 2021, 372, .	6.0	297
17	Recruiting T cells in cancer immunotherapy. Science, 2021, 372, 130-131.	6.0	56
18	Interrogating immune cells and cancer with CRISPR-Cas9. Trends in Immunology, 2021, 42, 432-446.	2.9	13

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19	Repertoire Remodeling through CD4+ T-cell Depletion. Cancer Immunology Research, 2021, 9, 601-601.	1.6	1
20	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
21	Charting a shared epigenetic pathway to CD8+ T cell dysfunction in infection and cancer. Molecular Cell, 2021, 81, 2272-2274.	4.5	0
22	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
23	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
24	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
25	Abstract 1548: Potent activity of CAR T cells targeting the oncofetal protein GPC2 engineered to recognize low antigen density in neuroblastoma. , 2021, , .		0
26	Differential usage of transcriptional repressor Zeb2 enhancers distinguishes adult and embryonic hematopoiesis. Immunity, 2021, 54, 1417-1432.e7.	6.6	17
27	High-throughput and single-cell T cell receptor sequencing technologies. Nature Methods, 2021, 18, 881-892.	9.0	133
28	NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. Blood Cancer Discovery, 2021, 2, 648-665.	2.6	37
29	Archetypes of checkpoint-responsive immunity. Trends in Immunology, 2021, 42, 960-974.	2.9	5
30	Combined presentation and immunogenicity analysis reveals a recurrent RAS.Q61K neoantigen in melanoma. Journal of Clinical Investigation, 2021, 131, .	3.9	15
31	Single-cell multiomics defines tolerogenic extrathymic Aire-expressing populations with unique homology to thymic epithelium. Science Immunology, 2021, 6, eabl5053.	5.6	39
32	ecDNA hubs drive cooperative intermolecular oncogene expression. Nature, 2021, 600, 731-736.	13.7	123
33	Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease. Blood, 2021, 138, 5-5.	0.6	15
34	Charting the tumor antigen maps drawn by single-cell genomics. Cancer Cell, 2021, 39, 1553-1557.	7.7	9
35	Toward a better understanding of TÂcells in cancer. Cancer Cell, 2021, 39, 1549-1552.	7.7	21
36	Tracking the immune response with single-cell genomics. Vaccine, 2020, 38, 4487-4490.	1.7	7

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37	Single-Cell Analyses Identify Brain Mural Cells Expressing CD19 as Potential Off-Tumor Targets for CAR-T Immunotherapies. <i>Cell</i> , 2020, 183, 126-142.e17.	13.5	269
38	Chromatin Landscape Underpinning Human Dendritic Cell Heterogeneity. <i>Cell Reports</i> , 2020, 32, 108180.	2.9	18
39	Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. <i>Immunity</i> , 2020, 53, 1078-1094.e7.	6.6	76
40	An old BATF's new T-ricks. <i>Nature Immunology</i> , 2020, 21, 1309-1310.	7.0	0
41	Impaired mitochondrial oxidative phosphorylation limits the self-renewal of T cells exposed to persistent antigen. <i>Nature Immunology</i> , 2020, 21, 1022-1033.	7.0	227
42	Chromatin accessibility landscapes of skin cells in systemic sclerosis nominate dendritic cells in disease pathogenesis. <i>Nature Communications</i> , 2020, 11, 5843.	5.8	22
43	Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 28, 516-525.e5.	5.1	219
44	CRISPR-engineered T cells in patients with refractory cancer. <i>Science</i> , 2020, 367, .	6.0	872
45	An Nfil3's Zeb2's Id2 pathway imposes Irf8 enhancer switching during cDC1 development. <i>Nature Immunology</i> , 2019, 20, 1174-1185.	7.0	80
46	Cryptic activation of an Irf8 enhancer governs cDC1 fate specification. <i>Nature Immunology</i> , 2019, 20, 1161-1173.	7.0	100
47	Massively parallel single-cell chromatin landscapes of human immune cell development and intratumoral T cell exhaustion. <i>Nature Biotechnology</i> , 2019, 37, 925-936.	9.4	622
48	Clonal replacement of tumor-specific T cells following PD-1 blockade. <i>Nature Medicine</i> , 2019, 25, 1251-1259.	15.2	974
49	GWAS for systemic sclerosis identifies multiple risk loci and highlights fibrotic and vasculopathy pathways. <i>Nature Communications</i> , 2019, 10, 4955.	5.8	100
50	A Mutation in the Transcription Factor Foxp3 Drives T Helper 2 Effector Function in Regulatory T Cells. <i>Immunity</i> , 2019, 50, 362-377.e6.	6.6	72
51	Enhancer Connectome Nominates Target Genes of Inherited Risk Variants from Inflammatory Skin Disorders. <i>Journal of Investigative Dermatology</i> , 2019, 139, 605-614.	0.3	21
52	HiChIRP reveals RNA-associated chromosome conformation. <i>Nature Methods</i> , 2019, 16, 489-492.	9.0	70
53	Interrogation of human hematopoiesis at single-cell and single-variant resolution. <i>Nature Genetics</i> , 2019, 51, 683-693.	9.4	147
54	A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGF's Mediated Recruitment of Neutrophils. <i>Immunity</i> , 2019, 50, 1069-1083.e8.	6.6	50

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55	c-Jun overexpression in CAR T cells induces exhaustion resistance. Nature, 2019, 576, 293-300.	13.7	480
56	Coupled Single-Cell CRISPR Screening and Epigenomic Profiling Reveals Causal Gene Regulatory Networks. Cell, 2019, 176, 361-376.e17.	13.5	215
57	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
58	Transcript-indexed ATAC-seq for precision immune profiling. Nature Medicine, 2018, 24, 580-590.	15.2	124
59	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
60	The chromatin accessibility landscape of primary human cancers. Science, 2018, 362, .	6.0	781
61	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
62	Expression of the transcription factor ZBTB46 distinguishes human histiocytic disorders of classical dendritic cell origin. Modern Pathology, 2018, 31, 1479-1486.	2.9	14
63	Dissecting the Regulation of Human Hematopoiesis at Single-Cell and Single-Variant Resolution. Blood, 2018, 132, 531-531.	0.6	0
64	Chromatin Accessibility Landscape of Cutaneous T Cell Lymphoma and Dynamic Response to HDAC Inhibitors. Cancer Cell, 2017, 32, 27-41.e4.	7.7	136
65	Revisiting the specificity of the MHC class II transactivator CIITA in classical murine dendritic cells in vivo. European Journal of Immunology, 2017, 47, 1317-1323.	1.6	9
66	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
67	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. Nature Genetics, 2017, 49, 1602-1612.	9.4	419
68	Gene regulation in the immune system by long noncoding RNAs. Nature Immunology, 2017, 18, 962-972.	7.0	611
69	Discovery of stimulation-responsive immune enhancers with CRISPR activation. Nature, 2017, 549, 111-115.	13.7	247
70	An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues. Nature Methods, 2017, 14, 959-962.	9.0	1,653
71	ATAC-seq reveals the accessible genome by transposase-mediated imaging and sequencing. Nature Methods, 2016, 13, 1013-1020.	9.0	199
72	A Long Noncoding RNA lincRNA-EPS Acts as a Transcriptional Brake to Restrain Inflammation. Cell, 2016, 165, 1672-1685.	13.5	399

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73	Cellular morphology of BRAF V600E-positive Langerhans cell histiocytosis. <i>Blood</i> , 2015, 126, 1857-1857.	0.6	4
74	Long Noncoding RNA in Hematopoiesis and Immunity. <i>Immunity</i> , 2015, 42, 792-804.	6.6	161
75	Heme-Mediated SPI-C Induction Promotes Monocyte Differentiation into Iron-Recycling Macrophages. <i>Cell</i> , 2014, 156, 1223-1234.	13.5	359
76	L-Myc expression by dendritic cells is required for optimal T-cell priming. <i>Nature</i> , 2014, 507, 243-247.	13.7	87
77	Embryonic and Adult-Derived Resident Cardiac Macrophages Are Maintained through Distinct Mechanisms at Steady State and during Inflammation. <i>Immunity</i> , 2014, 40, 91-104.	6.6	1,120
78	Runx1 and Cbfl <sup>2</sup> regulate the development of Flt3 <sup>+</sup> dendritic cell progenitors and restrict myeloproliferative disorder. <i>Blood</i> , 2014, 123, 2968-2977.	0.6	42
79	Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. <i>Nature Immunology</i> , 2013, 14, 937-948.	7.0	368
80	Extrathymic Aire-Expressing Cells Are a Distinct Bone Marrow-Derived Population that Induce Functional Inactivation of CD4 <sup>+</sup> T Cells. <i>Immunity</i> , 2013, 39, 560-572.	6.6	133
81	Bcl11a Controls Flt3 Expression in Early Hematopoietic Progenitors and Is Required for pDC Development In Vivo. <i>PLoS ONE</i> , 2013, 8, e64800.	1.1	42
82	Cross-dressed CD8 <sup>+</sup> /CD103 <sup>+</sup> dendritic cells prime CD8 <sup>+</sup> T cells following vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12716-12721.	3.3	63
83	IRF-8 extinguishes neutrophil production and promotes dendritic cell lineage commitment in both myeloid and lymphoid mouse progenitors. <i>Blood</i> , 2012, 119, 2003-2012.	0.6	144
84	Re(de)fining the dendritic cell lineage. <i>Nature Immunology</i> , 2012, 13, 1145-1154.	7.0	385
85	Ly6Chi Monocytes in the Inflamed Colon Give Rise to Proinflammatory Effector Cells and Migratory Antigen-Presenting Cells. <i>Immunity</i> , 2012, 37, 1076-1090.	6.6	613
86	Compensatory dendritic cell development mediated by BATF <sup>+</sup> IRF interactions. <i>Nature</i> , 2012, 490, 502-507.	13.7	367
87	Zbtb46 expression distinguishes classical dendritic cells and their committed progenitors from other immune lineages. <i>Journal of Experimental Medicine</i> , 2012, 209, 1135-1152.	4.2	515
88	Transcription factor networks in dendritic cell development. <i>Seminars in Immunology</i> , 2011, 23, 388-397.	2.7	59
89	Targeting of B and T lymphocyte associated (BTLA) prevents graft-versus-host disease without global immunosuppression. <i>Journal of Experimental Medicine</i> , 2010, 207, 2551-2559.	4.2	55
90	Enhanced thymic selection of FoxP3 <sup>+</sup> regulatory T cells in the NOD mouse model of autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18181-18186.	3.3	73

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91	Cytokines in Type 2 Diabetes. Vitamins and Hormones, 2006, 74, 405-441.	0.7	10
92	IL-1 <sup>2</sup> -Mediated Innate Immunity Is Amplified in the <i>db/db</i> Mouse Model of Type 2 Diabetes. Journal of Immunology, 2005, 174, 4991-4997.	0.4	82
93	HiChIRP: RNA-centric chromatin conformation. Protocol Exchange, 0, , .	0.3	1