

Ansuman T Satpathy

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

16,368
citations

31976

53
h-index

48315

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. <i>Cancer Cell</i> , 2022, 40, 53-69.e9. | 16.8 | 60 |
| 2 | Bystander T cells in cancer immunology and therapy. <i>Nature Cancer</i> , 2022, 3, 143-155. | 13.2 | 47 |
| 3 | Mitochondrial variant enrichment from high-throughput single-cell RNA sequencing resolves clonal populations. <i>Nature Biotechnology</i> , 2022, 40, 1030-1034. | 17.5 | 45 |
| 4 | KIR ⁺ CD8 ⁺ T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19. <i>Science</i> , 2022, 376, eabi9591. | 12.6 | 113 |
| 5 | Lymph node colonization induces tumor-immune tolerance to promote distant metastasis. <i>Cell</i> , 2022, 185, 1924-1942.e23. | 28.9 | 111 |
| 6 | Enhanced safety and efficacy of protease-regulated CAR-T cell receptors. <i>Cell</i> , 2022, 185, 1745-1763.e22. | 28.9 | 88 |
| 7 | Spatiotemporal co-dependency between macrophages and exhausted CD8 ⁺ T cells in cancer. <i>Cancer Cell</i> , 2022, 40, 624-638.e9. | 16.8 | 113 |
| 8 | Epigenetic regulation of T cell exhaustion. <i>Nature Immunology</i> , 2022, 23, 848-860. | 14.5 | 82 |
| 9 | BCL6-dependent TCF-1 ⁺ progenitor cells maintain effector and helper CD4 ⁺ T cell responses to persistent antigen. <i>Immunity</i> , 2022, 55, 1200-1215.e6. | 14.3 | 30 |
| 10 | Genome-wide CRISPR screens of T cell exhaustion identify chromatin remodeling factors that limit T cell persistence. <i>Cancer Cell</i> , 2022, 40, 768-786.e7. | 16.8 | 104 |
| 11 | Transition to a mesenchymal state in neuroblastoma confers resistance to anti-GD2 antibody via reduced expression of ST8SIA1. <i>Nature Cancer</i> , 2022, 3, 976-993. | 13.2 | 23 |
| 12 | Profiling Chromatin Accessibility at Single-cell Resolution. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 172-190. | 6.9 | 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. <i>Cancer Discovery</i> , 2021, 11, 2032-2049. | 9.4 | 37 |
| 14 | B cell-specific XIST complex enforces X-inactivation and restrains atypical B cells. <i>Cell</i> , 2021, 184, 1790-1803.e17. | 28.9 | 105 |
| 15 | Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. <i>Cell</i> , 2021, 184, 2394-2411.e16. | 28.9 | 141 |
| 16 | Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling. <i>Science</i> , 2021, 372, . | 12.6 | 297 |
| 17 | Recruiting T cells in cancer immunotherapy. <i>Science</i> , 2021, 372, 130-131. | 12.6 | 56 |
| 18 | Interrogating immune cells and cancer with CRISPR-Cas9. <i>Trends in Immunology</i> , 2021, 42, 432-446. | 6.8 | 13 |

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|----|---|------|-----------|
| 19 | Repertoire Remodeling through CD4+ T-cell Depletion. <i>Cancer Immunology Research</i> , 2021, 9, 601-601. | 3.4 | 1 |
| 20 | Identification of a T-bethi Quiescent Exhausted CD8 T Cell Subpopulation That Can Differentiate into TIM3+CX3CR1+ Effectors and Memory-like Cells. <i>Journal of Immunology</i> , 2021, 206, 2924-2936. | 0.8 | 17 |
| 21 | Charting a shared epigenetic pathway to CD8+ T cell dysfunction in infection and cancer. <i>Molecular Cell</i> , 2021, 81, 2272-2274. | 9.7 | 0 |
| 22 | Identification of presented SARS-CoV-2 HLA class I and HLA class II peptides using HLA peptidomics. <i>Cell Reports</i> , 2021, 35, 109305. | 6.4 | 38 |
| 23 | A human mutation in STAT3 promotes type 1 diabetes through a defect in CD8+ T cell tolerance. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 8.5 | 32 |
| 24 | Dynamic chromatin regulatory landscape of human CAR T cell exhaustion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 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. <i>Immunity</i> , 2021, 54, 1417-1432.e7. | 14.3 | 17 |
| 27 | High-throughput and single-cell T cell receptor sequencing technologies. <i>Nature Methods</i> , 2021, 18, 881-892. | 19.0 | 133 |
| 28 | NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. <i>Blood Cancer Discovery</i> , 2021, 2, 648-665. | 5.0 | 37 |
| 29 | Archetypes of checkpoint-responsive immunity. <i>Trends in Immunology</i> , 2021, 42, 960-974. | 6.8 | 5 |
| 30 | Combined presentation and immunogenicity analysis reveals a recurrent RAS.Q61K neoantigen in melanoma. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 15 |
| 31 | Single-cell multiomics defines tolerogenic extrathymic Aire-expressing populations with unique homology to thymic epithelium. <i>Science Immunology</i> , 2021, 6, eabl5053. | 11.9 | 39 |
| 32 | ecDNA hubs drive cooperative intermolecular oncogene expression. <i>Nature</i> , 2021, 600, 731-736. | 27.8 | 123 |
| 33 | Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease. <i>Blood</i> , 2021, 138, 5-5. | 1.4 | 15 |
| 34 | Charting the tumor antigen maps drawn by single-cell genomics. <i>Cancer Cell</i> , 2021, 39, 1553-1557. | 16.8 | 9 |
| 35 | Toward a better understanding of TÂcells in cancer. <i>Cancer Cell</i> , 2021, 39, 1549-1552. | 16.8 | 21 |
| 36 | Tracking the immune response with single-cell genomics. <i>Vaccine</i> , 2020, 38, 4487-4490. | 3.8 | 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. | 28.9 | 269 |
| 38 | Chromatin Landscape Underpinning Human Dendritic Cell Heterogeneity. <i>Cell Reports</i> , 2020, 32, 108180. | 6.4 | 18 |
| 39 | Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. <i>Immunity</i> , 2020, 53, 1078-1094.e7. | 14.3 | 76 |
| 40 | An old BATF's new T-ricks. <i>Nature Immunology</i> , 2020, 21, 1309-1310. | 14.5 | 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. | 14.5 | 227 |
| 42 | Chromatin accessibility landscapes of skin cells in systemic sclerosis nominate dendritic cells in disease pathogenesis. <i>Nature Communications</i> , 2020, 11, 5843. | 12.8 | 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. | 11.0 | 219 |
| 44 | CRISPR-engineered T cells in patients with refractory cancer. <i>Science</i> , 2020, 367, . | 12.6 | 872 |
| 45 | An Nfil3's Zeb2's Id2 pathway imposes Irf8 enhancer switching during cDC1 development. <i>Nature Immunology</i> , 2019, 20, 1174-1185. | 14.5 | 80 |
| 46 | Cryptic activation of an Irf8 enhancer governs cDC1 fate specification. <i>Nature Immunology</i> , 2019, 20, 1161-1173. | 14.5 | 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. | 17.5 | 622 |
| 48 | Clonal replacement of tumor-specific T cells following PD-1 blockade. <i>Nature Medicine</i> , 2019, 25, 1251-1259. | 30.7 | 974 |
| 49 | GWAS for systemic sclerosis identifies multiple risk loci and highlights fibrotic and vasculopathy pathways. <i>Nature Communications</i> , 2019, 10, 4955. | 12.8 | 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. | 14.3 | 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. | 0.7 | 21 |
| 52 | HiChIRP reveals RNA-associated chromosome conformation. <i>Nature Methods</i> , 2019, 16, 489-492. | 19.0 | 70 |
| 53 | Interrogation of human hematopoiesis at single-cell and single-variant resolution. <i>Nature Genetics</i> , 2019, 51, 683-693. | 21.4 | 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. | 14.3 | 50 |

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|----|--|------|-----------|
| 55 | c-Jun overexpression in CAR T cells induces exhaustion resistance. <i>Nature</i> , 2019, 576, 293-300. | 27.8 | 480 |
| 56 | Coupled Single-Cell CRISPR Screening and Epigenomic Profiling Reveals Causal Gene Regulatory Networks. <i>Cell</i> , 2019, 176, 361-376.e17. | 28.9 | 215 |
| 57 | Pembrolizumab for advanced basal cell carcinoma: An investigator-initiated, proof-of-concept study. <i>Journal of the American Academy of Dermatology</i> , 2019, 80, 564-566. | 1.2 | 83 |
| 58 | Transcript-indexed ATAC-seq for precision immune profiling. <i>Nature Medicine</i> , 2018, 24, 580-590. | 30.7 | 124 |
| 59 | Notch2-dependent DC2s mediate splenic germinal center responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10726-10731. | 7.1 | 53 |
| 60 | The chromatin accessibility landscape of primary human cancers. <i>Science</i> , 2018, 362, . | 12.6 | 781 |
| 61 | Integrative analysis of single-cell genomics data by coupled nonnegative matrix factorizations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7723-7728. | 7.1 | 156 |
| 62 | Expression of the transcription factor ZBTB46 distinguishes human histiocytic disorders of classical dendritic cell origin. <i>Modern Pathology</i> , 2018, 31, 1479-1486. | 5.5 | 14 |
| 63 | Dissecting the Regulation of Human Hematopoiesis at Single-Cell and Single-Variant Resolution. <i>Blood</i> , 2018, 132, 531-531. | 1.4 | 0 |
| 64 | Chromatin Accessibility Landscape of Cutaneous T Cell Lymphoma and Dynamic Response to HDAC Inhibitors. <i>Cancer Cell</i> , 2017, 32, 27-41.e4. | 16.8 | 136 |
| 65 | Revisiting the specificity of the MHC class II transactivator CIITA in classical murine dendritic cells in vivo. <i>European Journal of Immunology</i> , 2017, 47, 1317-1323. | 2.9 | 9 |
| 66 | Cutting Edge: Origins, Recruitment, and Regulation of CD11c+ Cells in Inflamed Islets of Autoimmune Diabetes Mice. <i>Journal of Immunology</i> , 2017, 199, 27-32. | 0.8 | 24 |
| 67 | Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. <i>Nature Genetics</i> , 2017, 49, 1602-1612. | 21.4 | 419 |
| 68 | Gene regulation in the immune system by long noncoding RNAs. <i>Nature Immunology</i> , 2017, 18, 962-972. | 14.5 | 611 |
| 69 | Discovery of stimulation-responsive immune enhancers with CRISPR activation. <i>Nature</i> , 2017, 549, 111-115. | 27.8 | 247 |
| 70 | An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues. <i>Nature Methods</i> , 2017, 14, 959-962. | 19.0 | 1,653 |
| 71 | ATAC-seq reveals the accessible genome by transposase-mediated imaging and sequencing. <i>Nature Methods</i> , 2016, 13, 1013-1020. | 19.0 | 199 |
| 72 | A Long Noncoding RNA lincRNA-EP5 Acts as a Transcriptional Brake to Restrain Inflammation. <i>Cell</i> , 2016, 165, 1672-1685. | 28.9 | 399 |

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|----|---|------|-----------|
| 73 | Cellular morphology of BRAF V600E-positive Langerhans cell histiocytosis. <i>Blood</i> , 2015, 126, 1857-1857. | 1.4 | 4 |
| 74 | Long Noncoding RNA in Hematopoiesis and Immunity. <i>Immunity</i> , 2015, 42, 792-804. | 14.3 | 161 |
| 75 | Heme-Mediated SPI-C Induction Promotes Monocyte Differentiation into Iron-Recycling Macrophages. <i>Cell</i> , 2014, 156, 1223-1234. | 28.9 | 359 |
| 76 | L-Myc expression by dendritic cells is required for optimal T-cell priming. <i>Nature</i> , 2014, 507, 243-247. | 27.8 | 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. | 14.3 | 1,120 |
| 78 | Runx1 and Cbfl ² regulate the development of Flt3 ⁺ dendritic cell progenitors and restrict myeloproliferative disorder. <i>Blood</i> , 2014, 123, 2968-2977. | 1.4 | 42 |
| 79 | Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. <i>Nature Immunology</i> , 2013, 14, 937-948. | 14.5 | 368 |
| 80 | Extrathymic Aire-Expressing Cells Are a Distinct Bone Marrow-Derived Population that Induce Functional Inactivation of CD4 ⁺ T Cells. <i>Immunity</i> , 2013, 39, 560-572. | 14.3 | 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. | 2.5 | 42 |
| 82 | Cross-dressed CD8 ⁺ /CD103 ⁺ dendritic cells prime CD8 ⁺ T cells following vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12716-12721. | 7.1 | 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. | 1.4 | 144 |
| 84 | Re(de)fining the dendritic cell lineage. <i>Nature Immunology</i> , 2012, 13, 1145-1154. | 14.5 | 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. | 14.3 | 613 |
| 86 | Compensatory dendritic cell development mediated by BATF ⁺ IRF interactions. <i>Nature</i> , 2012, 490, 502-507. | 27.8 | 367 |
| 87 | <i>Zbtb46</i> expression distinguishes classical dendritic cells and their committed progenitors from other immune lineages. <i>Journal of Experimental Medicine</i> , 2012, 209, 1135-1152. | 8.5 | 515 |
| 88 | Transcription factor networks in dendritic cell development. <i>Seminars in Immunology</i> , 2011, 23, 388-397. | 5.6 | 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. | 8.5 | 55 |
| 90 | Enhanced thymic selection of FoxP3 ⁺ 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. | 7.1 | 73 |

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|----|---|-----|-----------|
| 91 | Cytokines in Type 2 Diabetes. <i>Vitamins and Hormones</i> , 2006, 74, 405-441. | 1.7 | 10 |
| 92 | IL-1 ^β -Mediated Innate Immunity Is Amplified in the <i>db/db</i> Mouse Model of Type 2 Diabetes. <i>Journal of Immunology</i> , 2005, 174, 4991-4997. | 0.8 | 82 |
| 93 | HiChIRP: RNA-centric chromatin conformation. <i>Protocol Exchange</i> , 0, , . | 0.3 | 1 |