

# David Masopust

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

22,203  
citations

17440

63  
h-index

30922

102  
g-index

123  
all docs

123  
docs citations

123  
times ranked

22809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoring function in exhausted CD8 T cells during chronic viral infection. <i>Nature</i> , 2006, 439, 682-687.	27.8	3,471
2	Lineage relationship and protective immunity of memory CD8 T cell subsets. <i>Nature Immunology</i> , 2003, 4, 225-234.	14.5	1,621
3	Normalizing the environment recapitulates adult human immune traits in laboratory mice. <i>Nature</i> , 2016, 532, 512-516.	27.8	848
4	Tissue-Resident Memory T Cells. <i>Immunity</i> , 2014, 41, 886-897.	14.3	810
5	Transcriptional downregulation of S1pr1 is required for the establishment of resident memory CD8+ T cells. <i>Nature Immunology</i> , 2013, 14, 1285-1293.	14.5	621
6	Intravascular staining for discrimination of vascular and tissue leukocytes. <i>Nature Protocols</i> , 2014, 9, 209-222.	12.0	612
7	Quantifying Memory CD8+ T Cells Reveals Regionalization of Immunosurveillance. <i>Cell</i> , 2015, 161, 737-749.	28.9	584
8	Resident memory CD8 T cells trigger protective innate and adaptive immune responses. <i>Science</i> , 2014, 346, 98-101.	12.6	557
9	Human Effector and Memory CD8+ T Cell Responses to Smallpox and Yellow Fever Vaccines. <i>Immunity</i> , 2008, 28, 710-722.	14.3	541
10	Antigen-Independent Differentiation and Maintenance of Effector-like Resident Memory T Cells in Tissues. <i>Journal of Immunology</i> , 2012, 188, 4866-4875.	0.8	537
11	Sensing and alarm function of resident memory CD8+ T cells. <i>Nature Immunology</i> , 2013, 14, 509-513.	14.5	525
12	Dynamic T cell migration program provides resident memory within intestinal epithelium. <i>Journal of Experimental Medicine</i> , 2010, 207, 553-564.	8.5	514
13	US Immigration Westernizes the Human Gut Microbiome. <i>Cell</i> , 2018, 175, 962-972.e10.	28.9	511
14	The integration of T cell migration, differentiation and function. <i>Nature Reviews Immunology</i> , 2013, 13, 309-320.	22.7	504
15	Liver-Infiltrating Lymphocytes in Chronic Human Hepatitis C Virus Infection Display an Exhausted Phenotype with High Levels of PD-1 and Low Levels of CD127 Expression. <i>Journal of Virology</i> , 2007, 81, 2545-2553.	3.4	431
16	Tissue-Resident T Cells and Other Resident Leukocytes. <i>Annual Review of Immunology</i> , 2019, 37, 521-546.	21.8	410
17	Understanding Subset Diversity in T Cell Memory. <i>Immunity</i> , 2018, 48, 214-226.	14.3	389
18	Global genomic analysis reveals rapid control of a robust innate response in SIV-infected sooty mangabeys. <i>Journal of Clinical Investigation</i> , 2009, 119, 3556-72.	8.2	351

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19	Diversity in T Cell Memory: An Embarrassment of Riches. <i>Immunity</i> , 2009, 31, 859-871.	14.3	344
20	Cutting Edge: Gut Microenvironment Promotes Differentiation of a Unique Memory CD8 T Cell Population. <i>Journal of Immunology</i> , 2006, 176, 2079-2083.	0.8	318
21	Cutting Edge: Intravascular Staining Redefines Lung CD8 T Cell Responses. <i>Journal of Immunology</i> , 2012, 189, 2702-2706.	0.8	275
22	Cutting Edge: Control of <i>Mycobacterium tuberculosis</i> Infection by a Subset of Lung Parenchyma-â€Homing CD4 T Cells. <i>Journal of Immunology</i> , 2014, 192, 2965-2969.	0.8	272
23	Stimulation History Dictates Memory CD8 T Cell Phenotype: Implications for Prime-Boost Vaccination. <i>Journal of Immunology</i> , 2006, 177, 831-839.	0.8	266
24	Activated Primary and Memory CD8 T Cells Migrate to Nonlymphoid Tissues Regardless of Site of Activation or Tissue of Origin. <i>Journal of Immunology</i> , 2004, 172, 4875-4882.	0.8	257
25	Interleukin-2-Dependent Allergen-Specific Tissue-Resident Memory Cells Drive Asthma. <i>Immunity</i> , 2016, 44, 155-166.	14.3	223
26	Intravital mucosal imaging of CD8+ resident memory T cells shows tissue-autonomous recall responses that amplify secondary memory. <i>Nature Immunology</i> , 2018, 19, 173-182.	14.5	220
27	Generation and maintenance of immunological memory. <i>Seminars in Immunology</i> , 2004, 16, 323-333.	5.6	212
28	Phenotype, Function, and Gene Expression Profiles of Programmed Death-1hi CD8 T Cells in Healthy Human Adults. <i>Journal of Immunology</i> , 2011, 186, 4200-4212.	0.8	211
29	The purinergic receptor P2RX7 directs metabolic fitness of long-lived memory CD8+ T cells. <i>Nature</i> , 2018, 559, 264-268.	27.8	209
30	Memory CD8 T-cell compartment grows in size with immunological experience. <i>Nature</i> , 2009, 457, 196-199.	27.8	204
31	Of Mice, Dirty Mice, and Men: Using Mice To Understand Human Immunology. <i>Journal of Immunology</i> , 2017, 199, 383-388.	0.8	197
32	Virus-specific memory T cells populate tumors and can be repurposed for tumor immunotherapy. <i>Nature Communications</i> , 2019, 10, 567.	12.8	193
33	T Cells in Nonlymphoid Tissues Give Rise to Lymph-Node-Resident Memory T Cells. <i>Immunity</i> , 2018, 48, 327-338.e5.	14.3	191
34	Developmental plasticity allows outside-in immune responses by resident memory T cells. <i>Nature Immunology</i> , 2020, 21, 412-421.	14.5	191
35	Stromal cells control the epithelial residence of DCs and memory T cells by regulated activation of TGF-Î². <i>Nature Immunology</i> , 2016, 17, 414-421.	14.5	190
36	Sequential Infection with Common Pathogens Promotes Human-like Immune Gene Expression and Altered Vaccine Response. <i>Cell Host and Microbe</i> , 2016, 19, 713-719.	11.0	189

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37	Cutting Edge: Resident Memory CD8 T Cells Occupy Frontline Niches in Secondary Lymphoid Organs. <i>Journal of Immunology</i> , 2014, 192, 2961-2964.	0.8	178
38	The role of programming in memory T-cell development. <i>Current Opinion in Immunology</i> , 2004, 16, 217-225.	5.5	173
39	Continuous recruitment of naive T cells contributes to heterogeneity of antiviral CD8 T cells during persistent infection. <i>Journal of Experimental Medicine</i> , 2006, 203, 2263-2269.	8.5	169
40	CD4+ resident memory T cells dominate immunosurveillance and orchestrate local recall responses. <i>Journal of Experimental Medicine</i> , 2019, 216, 1214-1229.	8.5	149
41	Stable engraftment of human microbiota into mice with a single oral gavage following antibiotic conditioning. <i>Microbiome</i> , 2017, 5, 87.	11.1	138
42	Direct Analysis of the Dynamics of the Intestinal Mucosa CD8 T Cell Response to Systemic Virus Infection. <i>Journal of Immunology</i> , 2001, 166, 2348-2356.	0.8	136
43	IL-15-Independent Maintenance of Tissue-Resident and Boosted Effector Memory CD8 T Cells. <i>Journal of Immunology</i> , 2016, 196, 3920-3926.	0.8	136
44	T Cell Memory: Understanding COVID-19. <i>Immunity</i> , 2021, 54, 14-18.	14.3	127
45	Hidden Memories: Frontline Memory T Cells and Early Pathogen Interception. <i>Journal of Immunology</i> , 2012, 188, 5811-5817.	0.8	126
46	Evidence that a significant number of naive T cells enter non-lymphoid organs as part of a normal migratory pathway. <i>European Journal of Immunology</i> , 2006, 36, 1423-1433.	2.9	125
47	T cell-inducing vaccine durably prevents mucosal SHIV infection even with lower neutralizing antibody titers. <i>Nature Medicine</i> , 2020, 26, 932-940.	30.7	124
48	Cutting Edge: Nucleocapsid Vaccine Elicits Spike-Independent SARS-CoV-2 Protective Immunity. <i>Journal of Immunology</i> , 2021, 207, 376-379.	0.8	124
49	Tissue resident memory T cells and viral immunity. <i>Current Opinion in Virology</i> , 2017, 22, 44-50.	5.4	122
50	The Functional Requirement for CD69 in Establishment of Resident Memory CD8+ T Cells Varies with Tissue Location. <i>Journal of Immunology</i> , 2019, 203, 946-955.	0.8	118
51	Identification and characterization of HIV-specific resident memory CD8 T cells in human lymphoid tissue. <i>Science Immunology</i> , 2018, 3, .	11.9	116
52	Strength of Stimulus and Clonal Competition Impact the Rate of Memory CD8 T Cell Differentiation. <i>Journal of Immunology</i> , 2007, 179, 6704-6714.	0.8	115
53	Essential Role for IL-2 in the Regulation of Antiviral Extralymphoid CD8 T Cell Responses. <i>Journal of Immunology</i> , 2002, 168, 5566-5572.	0.8	109
54	T cell immunity in lymphoid and non-lymphoid tissues. <i>Current Opinion in Immunology</i> , 2002, 14, 503-508.	5.5	108

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55	Quantitating the Magnitude of the Lymphocytic Choriomeningitis Virus-Specific CD8 T-Cell Response: It Is Even Bigger than We Thought. <i>Journal of Virology</i> , 2007, 81, 2002-2011.	3.4	98
56	PD-1+ stemlike CD8 T cells are resident in lymphoid tissues during persistent LCMV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4292-4299.	7.1	85
57	The precursors of CD8+ tissue resident memory T cells: from lymphoid organs to infected tissues. <i>Nature Reviews Immunology</i> , 2022, 22, 283-293.	22.7	85
58	Preexisting High Frequencies of Memory CD8+ T Cells Favor Rapid Memory Differentiation and Preservation of Proliferative Potential upon Boosting. <i>Immunity</i> , 2013, 39, 171-183.	14.3	81
59	Retrograde migration supplies resident memory T cells to lung-draining LN after influenza infection. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	81
60	A Critical Role for Cd40â€œCd40 Ligand Interactions in Amplification of the Mucosal Cd8 T Cell Response. <i>Journal of Experimental Medicine</i> , 1999, 190, 1275-1284.	8.5	74
61	Simian Immunodeficiency Virus-Producing Cells in Follicles Are Partially Suppressed by CD8<sup>+</sup>Cells<i> In Vivo</i>. <i>Journal of Virology</i> , 2016, 90, 11168-11180.	3.4	74
62	Microbial Exposure Enhances Immunity to Pathogens Recognized by TLR2 but Increases Susceptibility to Cytokine Storm through TLR4 Sensitization. <i>Cell Reports</i> , 2019, 28, 1729-1743.e5.	6.4	74
63	Expansible residence decentralizes immune homeostasis. <i>Nature</i> , 2021, 592, 457-462.	27.8	74
64	Keratinocyte-Mediated Activation of the Cytokine TGF-Î² Maintains Skin Recirculating Memory CD8+ T Cells. <i>Immunity</i> , 2019, 50, 1249-1261.e5.	14.3	69
65	Competition for Active TGFÎ² Cytokine Allows for Selective Retention of Antigen-Specific Tissue-Resident Memory T Cells in the Epidermal Niche. <i>Immunity</i> , 2021, 54, 84-98.e5.	14.3	68
66	Primary Epstein-Barr virus infection does not erode preexisting CD8+ T cell memory in humans. <i>Journal of Experimental Medicine</i> , 2012, 209, 471-478.	8.5	62
67	New Insights into the Immune System Using Dirty Mice. <i>Journal of Immunology</i> , 2020, 205, 3-11.	0.8	59
68	Normal Establishment of Virus-Specific Memory CD8 T Cell Pool following Primary Infection during Pregnancy. <i>Journal of Immunology</i> , 2007, 179, 4383-4389.	0.8	51
69	NK cells and CD8+ T cells cooperate to improve therapeutic responses in melanoma treated with interleukin-2 (IL-2) and CTLA-4 blockade. , 2015, 3, 18.		51
70	Reflections on CD8 T-Cell Activation and Memory. <i>Immunologic Research</i> , 2004, 29, 151-160.	2.9	50
71	Vaccine induction of antibodies and tissue-resident CD8+ T cells enhances protection against mucosal SHIV-infection in young macaques. <i>JCI Insight</i> , 2019, 4, .	5.0	50
72	Lymphocytic choriomeningitis virus persistence promotes effector-like memory differentiation and enhances mucosal T cell distribution. <i>Journal of Leukocyte Biology</i> , 2015, 97, 217-225.	3.3	48

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73	A brief history of CD8 T cells. <i>European Journal of Immunology</i> , 2007, 37, S103-S110.	2.9	42
74	Lung-resident memory B cells established after pulmonary influenza infection display distinct transcriptional and phenotypic profiles. <i>Science Immunology</i> , 2022, 7, eabf5314.	11.9	38
75	Mice with diverse microbial exposure histories as a model for preclinical vaccine testing. <i>Cell Host and Microbe</i> , 2021, 29, 1815-1827.e6.	11.0	37
76	Neutrophils Recirculate through Lymph Nodes to Survey Tissues for Pathogens. <i>Journal of Immunology</i> , 2020, 204, 2552-2561.	0.8	36
77	Cutting Edge: Mouse SARS-CoV-2 Epitope Reveals Infection and Vaccine-Elicited CD8 T Cell Responses. <i>Journal of Immunology</i> , 2021, 206, 931-935.	0.8	36
78	SnapShot: Resident Memory T Cells. <i>Cell</i> , 2014, 157, 1488-1488.e1.	28.9	33
79	CD8 T-cell memory: the other half of the story. <i>Microbes and Infection</i> , 2003, 5, 221-226.	1.9	32
80	CpG-mediated modulation of MDSC contributes to the efficacy of Ad5-TRAIL therapy against renal cell carcinoma. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 1213-1227.	4.2	32
81	The Impact of TCR Signal Strength on Resident Memory T Cell Formation during Influenza Virus Infection. <i>Journal of Immunology</i> , 2019, 203, 936-945.	0.8	31
82	Integrating resident memory into T cell differentiation models. <i>Current Opinion in Immunology</i> , 2020, 63, 35-42.	5.5	29
83	Interstitial Migration of CD8 <sup>hi</sup> T Cells in the Small Intestine Is Dynamic and Is Dictated by Environmental Cues. <i>Cell Reports</i> , 2019, 26, 2859-2867.e4.	6.4	19
84	Editorial: Pulmonary resident memory CD8 T cells: here today, gone tomorrow. <i>Journal of Leukocyte Biology</i> , 2014, 95, 199-201.	3.3	18
85	Robust Iterative Stimulation with Self-Antigens Overcomes CD8+ T Cell Tolerance to Self- and Tumor Antigens. <i>Cell Reports</i> , 2019, 28, 3092-3104.e5.	6.4	18
86	Natural rodent model of viral transmission reveals biological features of virus population dynamics. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	18
87	Identification of a resident T <sub>H</sub> cell memory core transcriptional signature. <i>Immunology and Cell Biology</i> , 2014, 92, 8-9.	2.3	16
88	What Is the Predictive Value of Animal Models for Vaccine Efficacy in Humans?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029132.	5.5	15
89	Functional virus-specific memory T cells survey glioblastoma. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 1863-1875.	4.2	15
90	T <sub>H</sub> cell reconstitution without T <sub>H</sub> cell immunopathology in two models of T <sub>H</sub> cell-mediated tissue destruction. <i>Immunology</i> , 2009, 128, 164-171.	4.4	14

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91	The road not taken: memory T cell fate 'decisions'. Nature Immunology, 2009, 10, 369-370.	14.5	13
92	Is a Human CD8 T-Cell Vaccine Possible, and if So, What Would It Take?. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028910.	5.5	13
93	Analysis of CD8+ T cell-mediated anti-viral responses in mice with targeted deletions of the M1 or M5 muscarinic cholinergic receptors. Life Sciences, 2007, 80, 2330-2333.	4.3	11
94	Resident memory T cells are a Notch above the rest. Nature Immunology, 2016, 17, 1337-1338.	14.5	8
95	Universal Principled Review: A Community-Driven Method to Improve Peer Review. Cell, 2019, 179, 1441-1445.	28.9	6
96	Pillars article: preferential localization of effector memory cells in nonlymphoid tissue. Science. 2001. 291: 2413-2417. Journal of Immunology, 2014, 192, 845-9.	0.8	6
97	Tissue-resident memory T cells live off the fat of the land. Cell Research, 2017, 27, 847-848.	12.0	5
98	Parabiosis in Mice to Study Tissue Residency of Immune Cells. Current Protocols, 2022, 2, .	2.9	5
99	Infected Cells Call Their Killers to the Scene of the Crime. Immunity, 2015, 42, 399-401.	14.3	4
100	Cutting Edge: Evidence for Nonvascular Route of Visceral Organ Immunosurveillance by T Cells. Journal of Immunology, 2018, 201, 337-342.	0.8	2
101	Vezys et al. reply. Nature, 2009, 459, E4-E4.	27.8	1
102	Infection induces friendly fire. Nature, 2012, 490, 41-43.	27.8	1
103	Memory and Infection. , 2014, , 121-130.		0
104	MO064TISSUE-RESIDENT B CELLS DETERMINE SUSCEPTIBILITY TO URINARY TRACT INFECTION BY ORCHESTRATING MACROPHAGE POLARISATION. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
105	T cell migration and memory differentiation within the mouse intestinal mucosa in response to infection. FASEB Journal, 2008, 22, 855.6.	0.5	0
106	PD-1 negatively regulates CD8 T cell-mediated mucosal autoimmunity. FASEB Journal, 2008, 22, 852.4.	0.5	0