

Scott N Mueller

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

10,540
citations

61857

43
h-index

54797

84
g-index

98
all docs

98
docs citations

98
times ranked

12781
citing authors

#	ARTICLE	IF	CITATIONS
1	The developmental pathway for CD103+CD8+ tissue-resident memory T cells of skin. <i>Nature Immunology</i> , 2013, 14, 1294-1301.	7.0	1,037
2	Tissue-resident memory T cells: local specialists in immune defence. <i>Nature Reviews Immunology</i> , 2016, 16, 79-89.	10.6	778
3	Memory T Cell Subsets, Migration Patterns, and Tissue Residence. <i>Annual Review of Immunology</i> , 2013, 31, 137-161.	9.5	668
4	Long-lived epithelial immunity by tissue-resident memory T (T _{RM}) cells in the absence of persisting local antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7037-7042.	3.3	522
5	Different patterns of peripheral migration by memory CD4+ and CD8+ T cells. <i>Nature</i> , 2011, 477, 216-219.	13.7	460
6	Stromal cell contributions to the homeostasis and functionality of the immune system. <i>Nature Reviews Immunology</i> , 2009, 9, 618-629.	10.6	444
7	The CD8 ⁺ Dendritic Cell Is Responsible for Inducing Peripheral Self-Tolerance to Tissue-associated Antigens. <i>Journal of Experimental Medicine</i> , 2002, 196, 1099-1104.	4.2	436
8	Liver-Resident Memory CD8 ⁺ T Cells Form a Front-Line Defense against Malaria Liver-Stage Infection. <i>Immunity</i> , 2016, 45, 889-902.	6.6	341
9	High antigen levels are the cause of T cell exhaustion during chronic viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8623-8628.	3.3	328
10	Local proliferation maintains a stable pool of tissue-resident memory T cells after antiviral recall responses. <i>Nature Immunology</i> , 2018, 19, 183-191.	7.0	266
11	Tissue-resident memory CD8 ⁺ T cells promote melanoma-immune equilibrium in skin. <i>Nature</i> , 2019, 565, 366-371.	13.7	266
12	Persistence of skin-resident memory T cells within an epidermal niche. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5307-5312.	3.3	261
13	Spatiotemporally Distinct Interactions with Dendritic Cell Subsets Facilitates CD4 ⁺ and CD8 ⁺ T Cell Activation to Localized Viral Infection. <i>Immunity</i> , 2015, 43, 554-565.	6.6	255
14	Regulation of Homeostatic Chemokine Expression and Cell Trafficking During Immune Responses. <i>Science</i> , 2007, 317, 670-674.	6.0	234
15	Progression of Armed CTL from Draining Lymph Node to Spleen Shortly After Localized Infection with Herpes Simplex Virus 1. <i>Journal of Immunology</i> , 2002, 168, 834-838.	0.4	214
16	Targeting Antigen to Mouse Dendritic Cells via Clec9A Induces Potent CD4 T Cell Responses Biased toward a Follicular Helper Phenotype. <i>Journal of Immunology</i> , 2011, 187, 842-850.	0.4	208
17	Viral targeting of fibroblastic reticular cells contributes to immunosuppression and persistence during chronic infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15430-15435.	3.3	206
18	Enhancing therapeutic vaccination by blocking PD-1-mediated inhibitory signals during chronic infection. <i>Journal of Experimental Medicine</i> , 2008, 205, 543-555.	4.2	201

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19	Rapid Cytotoxic T Lymphocyte Activation Occurs in the Draining Lymph Nodes After Cutaneous Herpes Simplex Virus Infection as a Result of Early Antigen Presentation and Not the Presence of Virus. <i>Journal of Experimental Medicine</i> , 2002, 195, 651-656.	4.2	179
20	Migratory CD11b ⁺ conventional dendritic cells induce T follicular helper cell-dependent antibody responses. <i>Science Immunology</i> , 2017, 2, .	5.6	175
21	Aire regulates the transfer of antigen from mTECs to dendritic cells for induction of thymic tolerance. <i>Blood</i> , 2011, 118, 2462-2472.	0.6	174
22	Skin CD4 ⁺ memory T cells exhibit combined cluster-mediated retention and equilibration with the circulation. <i>Nature Communications</i> , 2016, 7, 11514.	5.8	161
23	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Experimental Medicine</i> , 2014, 211, 2549-2566.	4.2	150
24	Characterization of two TCR transgenic mouse lines specific for herpes simplex virus. <i>Immunology and Cell Biology</i> , 2002, 80, 156-163.	1.0	139
25	PD-L1 has distinct functions in hematopoietic and nonhematopoietic cells in regulating T cell responses during chronic infection in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2508-2515.	3.9	129
26	Intraclonal Plasticity in Mammary Tumors Revealed through Large-Scale Single-Cell Resolution 3D Imaging. <i>Cancer Cell</i> , 2019, 35, 618-632.e6.	7.7	119
27	Tissue-resident ductal macrophages survey the mammary epithelium and facilitate tissue remodelling. <i>Nature Cell Biology</i> , 2020, 22, 546-558.	4.6	118
28	Chemokine Receptor-Dependent Control of Skin Tissue-Resident Memory T Cell Formation. <i>Journal of Immunology</i> , 2017, 199, 2451-2459.	0.4	114
29	CD4 ⁺ T cell help amplifies innate signals for primary CD8 ⁺ T cell immunity. <i>Immunological Reviews</i> , 2016, 272, 52-64.	2.8	98
30	Discrete tissue microenvironments instruct diversity in resident memory T cell function and plasticity. <i>Nature Immunology</i> , 2021, 22, 1140-1151.	7.0	96
31	Infection Programs Sustained Lymphoid Stromal Cell Responses and Shapes Lymph Node Remodeling upon Secondary Challenge. <i>Cell Reports</i> , 2017, 18, 406-418.	2.9	95
32	Cerebral Malaria in Mouse and Man. <i>Frontiers in Immunology</i> , 2018, 9, 2016.	2.2	85
33	Peripheral tissue surveillance and residency by memory T cells. <i>Trends in Immunology</i> , 2013, 34, 27-32.	2.9	83
34	Distinct APC Subtypes Drive Spatially Segregated CD4 ⁺ and CD8 ⁺ T-Cell Effector Activity during Skin Infection with HSV-1. <i>PLoS Pathogens</i> , 2014, 10, e1004303.	2.1	75
35	Tissue-Resident T Cells: Dynamic Players in Skin Immunity. <i>Frontiers in Immunology</i> , 2014, 5, 332.	2.2	71
36	Short-term inhibition of p53 combined with keratinocyte growth factor improves thymic epithelial cell recovery and enhances T-cell reconstitution after murine bone marrow transplantation. <i>Blood</i> , 2010, 115, 1088-1097.	0.6	66

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37	Effector and stem-like memory cell fates are imprinted in distinct lymph node niches directed by CXCR3 ligands. <i>Nature Immunology</i> , 2021, 22, 434-448.	7.0	66
38	Targeting Antigen to Clec9A Primes Follicular Th Cell Memory Responses Capable of Robust Recall. <i>Journal of Immunology</i> , 2015, 195, 1006-1014.	0.4	65
39	Maintenance of T Cell Function in the Face of Chronic Antigen Stimulation and Repeated Reactivation for a Latent Virus Infection. <i>Journal of Immunology</i> , 2012, 188, 2173-2178.	0.4	60
40	Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. <i>Immunity</i> , 2021, 54, 1219-1230.e7.	6.6	60
41	Chimeric Influenza Virus Hemagglutinin Proteins Containing Large Domains of the Bacillus anthracis Protective Antigen: Protein Characterization, Incorporation into Infectious Influenza Viruses, and Antigenicity. <i>Journal of Virology</i> , 2005, 79, 10003-10012.	1.5	58
42	Lymphoid stroma in the initiation and control of immune responses. <i>Immunological Reviews</i> , 2008, 224, 284-294.	2.8	58
43	Sphingosine 1-phosphate receptor 5 (S1PR5) regulates the peripheral retention of tissue-resident lymphocytes. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	56
44	The Interplay Between Lymphatic Vessels and Chemokines. <i>Frontiers in Immunology</i> , 2019, 10, 518.	2.2	52
45	Cutting Edge: Prolonged Antigen Presentation after Herpes Simplex Virus-1 Skin Infection. <i>Journal of Immunology</i> , 2004, 173, 2241-2244.	0.4	50
46	Immunization with Live Attenuated Influenza Viruses That Express Altered NS1 Proteins Results in Potent and Protective Memory CD8 ⁺ T-Cell Responses. <i>Journal of Virology</i> , 2010, 84, 1847-1855.	1.5	48
47	Dermal Regulatory T Cells Display Distinct Migratory Behavior That Is Modulated during Adaptive and Innate Inflammation. <i>Journal of Immunology</i> , 2013, 191, 3049-3056.	0.4	47
48	Stromal cell networks coordinate immune response generation and maintenance. <i>Immunological Reviews</i> , 2018, 283, 77-85.	2.8	42
49	Understanding T cell phenotype for the design of effective chimeric antigen receptor T cell therapies. , 2021, 9, e002555.		41
50	The Early Expression of Glycoprotein B from Herpes Simplex Virus Can Be Detected by Antigen-Specific CD8 ⁺ T Cells. <i>Journal of Virology</i> , 2003, 77, 2445-2451.	1.5	37
51	Effector T cell responses in non-lymphoid tissues: insights from <i>in vivo</i> imaging. <i>Immunology and Cell Biology</i> , 2013, 91, 290-296.	1.0	37
52	Genome-wide functional analysis reveals central signaling regulators of lymphatic endothelial cell migration and remodeling. <i>Science Signaling</i> , 2017, 10, .	1.6	37
53	CD4 ⁺ T Cells Can Protect APC from CTL-Mediated Elimination. <i>Journal of Immunology</i> , 2006, 176, 7379-7384.	0.4	35
54	Qualitatively Different Memory CD8 ⁺ T Cells Are Generated after Lymphocytic Choriomeningitis Virus and Influenza Virus Infections. <i>Journal of Immunology</i> , 2010, 185, 2182-2190.	0.4	35

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55	Immune responses to viruses. , 2008, , 421-431.		32
56	Intravital microscopy of dynamic single-cell behavior in mouse mammary tissue. Nature Protocols, 2021, 16, 1907-1935.	5.5	28
57	A diverse fibroblastic stromal cell landscape in the spleen directs tissue homeostasis and immunity. Science Immunology, 2022, 7, eabj0641.	5.6	27
58	Neutrophils are dispensable in the modulation of T cell immunity against cutaneous HSV-1 infection. Scientific Reports, 2017, 7, 41091.	1.6	24
59	Low-dose IL-2 therapy invigorates CD8+ T cells for viral control in systemic lupus erythematosus. PLoS Pathogens, 2021, 17, e1009858.	2.1	23
60	Scavenging of soluble and immobilized CCL21 by ACKR4 regulates peripheral dendritic cell emigration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
61	Display of Native Antigen on cDC1 That Have Spatial Access to Both T and B Cells Underlies Efficient Humoral Vaccination. Journal of Immunology, 2020, 205, 1842-1856.	0.4	20
62	Corneal tissue-resident memory T cells form a unique immune compartment at the ocular surface. Cell Reports, 2022, 39, 110852.	2.9	19
63	Neural control of immune cell trafficking. Journal of Experimental Medicine, 2022, 219, .	4.2	18
64	Spreading the load: Antigen transfer between migratory and lymph node-resident dendritic cells promotes T cell priming. European Journal of Immunology, 2017, 47, 1798-1801.	1.6	15
65	T cell and dendritic cell interactions in lymphoid organs: More than just being in the right place at the right time. Immunological Reviews, 2019, 289, 115-128.	2.8	15
66	Optimization of TCR transgenic T cells for in vivo tracking of immune responses. Immunology and Cell Biology, 2007, 85, 394-396.	1.0	14
67	CD8+ and CD4+ T Cells Infiltrate into the Brain during <i>Plasmodium berghei</i> ANKA Infection and Form Long-Term Resident Memory. Journal of Immunology, 2021, 207, 1578-1590.	0.4	14
68	In vivo imaging of the T cell response to infection. Current Opinion in Immunology, 2010, 22, 293-298.	2.4	11
69	Identification of a MHC I-restricted epitope of DsRed in C57BL/6 mice. Molecular Immunology, 2013, 53, 450-452.	1.0	11
70	CD169 ⁺ macrophages in lymph node and spleen critically depend on dual RANK and LTbetaR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	11
71	MHC Class II Ubiquitination Regulates Dendritic Cell Function and Immunity. Journal of Immunology, 2021, 207, 2255-2264.	0.4	10
72	Systemic Inflammation Suppresses Lymphoid Tissue Remodeling and B Cell Immunity during Concomitant Local Infection. Cell Reports, 2020, 33, 108567.	2.9	10

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73	Hair follicles: gatekeepers to the epidermis. <i>Nature Immunology</i> , 2012, 13, 715-717.	7.0	9
74	Moving beyond velocity: Opportunities and challenges to quantify immune cell behavior*. <i>Immunological Reviews</i> , 2022, 306, 123-136.	2.8	7
75	Kinetics of Major Histocompatibility Class I Antigen Presentation in Acute Infection. <i>Journal of Immunology</i> , 2009, 182, 902-911.	0.4	5
76	Grand Challenges in Immunological Memory. <i>Frontiers in Immunology</i> , 2017, 8, 385.	2.2	5
77	Host Defenses to Viruses. , 2019, , 365-374.e1.		5
78	Persistence of Virus-Specific Antibody after Depletion of Memory B Cells. <i>Journal of Virology</i> , 2022, 96, e0002622.	1.5	4
79	Skin DCs cluster for efficient T cell activation. <i>Nature Immunology</i> , 2014, 15, 1004-1005.	7.0	3
80	IL-17 instructs lymphoid stromal cells. <i>Nature Immunology</i> , 2019, 20, 524-526.	7.0	3
81	Transfusion-Related Renal Dysfunction After Cardiac Surgery. <i>JACC Basic To Translational Science</i> , 2022, 7, 627-638.	1.9	3
82	Differential location of NKT and MAIT cells within lymphoid tissue. <i>Scientific Reports</i> , 2022, 12, 4034.	1.6	2
83	Some vexations that challenge viral immunology. <i>F1000Research</i> , 2016, 5, 1015.	0.8	1
84	Neuroimmune interactions at the crossroads of health and disease. <i>Immunology and Cell Biology</i> , 2021, 99, 922-923.	1.0	1
85	Host defenses to viruses. , 2013, , 346-355.		1
86	Isolation and Analysis of Stromal Cell Populations from Mouse Lymph Nodes. <i>Bio-protocol</i> , 2017, 7, e2445.	0.2	1
87	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Cell Biology</i> , 2014, 207, 2075OIA223.	2.3	0