

# Ronald N Germain

## List of Publications by Year in descending order

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157  
papers

27,389  
citations

7096

78  
h-index

6996

154  
g-index

167  
all docs

167  
docs citations

167  
times ranked

29265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. <i>Nature</i> , 2016, 537, 417-421.	27.8	1,371
2	House dust mite allergen induces asthma via Toll-like receptor 4 triggering of airway structural cells. <i>Nature Medicine</i> , 2009, 15, 410-416.	30.7	977
3	Stromal Cell Networks Regulate Lymphocyte Entry, Migration, and Territoriality in Lymph Nodes. <i>Immunity</i> , 2006, 25, 989-1001.	14.3	869
4	Neutrophil swarms require LTB4 and integrins at sites of cell death in vivo. <i>Nature</i> , 2013, 498, 371-375.	27.8	800
5	Chemokines enhance immunity by guiding naive CD8+ T cells to sites of CD4+ T cell-dendritic cell interaction. <i>Nature</i> , 2006, 440, 890-895.	27.8	752
6	In Vivo Imaging Reveals an Essential Role for Neutrophils in Leishmaniasis Transmitted by Sand Flies. <i>Science</i> , 2008, 321, 970-974.	12.6	719
7	Dynamic Imaging of T Cell-Dendritic Cell Interactions in Lymph Nodes. <i>Science</i> , 2002, 296, 1873-1876.	12.6	678
8	Dynamic imaging of dendritic cell extension into the small bowel lumen in response to epithelial cell TLR engagement. <i>Journal of Experimental Medicine</i> , 2006, 203, 2841-2852.	8.5	647
9	T-cell development and the CD4-CD8 lineage decision. <i>Nature Reviews Immunology</i> , 2002, 2, 309-322.	22.7	611
10	Commensal Microbiota Promote Lung Cancer Development via $\gamma\delta$ T Cells. <i>Cell</i> , 2019, 176, 998-1013.e16.	28.9	592
11	SAP-controlled T-B cell interactions underlie germinal centre formation. <i>Nature</i> , 2008, 455, 764-769.	27.8	548
12	Immunology: The ins and outs of antigen processing and presentations. <i>Nature</i> , 1986, 322, 687-688.	27.8	531
13	Induction of CD8+ cytotoxic T cells by immunization with purified HIV-1 envelope protein in ISCOMs. <i>Nature</i> , 1990, 344, 873-875.	27.8	505
14	Sphingosine-1-phosphate mobilizes osteoclast precursors and regulates bone homeostasis. <i>Nature</i> , 2009, 458, 524-528.	27.8	486
15	Extrafollicular Activation of Lymph Node B Cells by Antigen-Bearing Dendritic Cells. <i>Science</i> , 2006, 312, 1672-1676.	12.6	469
16	Stromal cell contributions to the homeostasis and functionality of the immune system. <i>Nature Reviews Immunology</i> , 2009, 9, 618-629.	22.7	444
17	TCR ligand discrimination is enforced by competing ERK positive and SHP-1 negative feedback pathways. <i>Nature Immunology</i> , 2003, 4, 248-254.	14.5	426
18	Global Analyses of Human Immune Variation Reveal Baseline Predictors of Postvaccination Responses. <i>Cell</i> , 2014, 157, 499-513.	28.9	424

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19	Modeling T Cell Antigen Discrimination Based on Feedback Control of Digital ERK Responses. PLoS Biology, 2005, 3, e356.	5.6	420
20	THE DYNAMICS OF T CELL RECEPTOR SIGNALING: Complex Orchestration and the Key Roles of Tempo and Cooperation. Annual Review of Immunology, 1999, 17, 467-522.	21.8	410
21	S1P-dependent interorgan trafficking of group 2 innate lymphoid cells supports host defense. Science, 2018, 359, 114-119.	12.6	408
22	MHC class II structure, occupancy and surface expression determined by post-endoplasmic reticulum antigen binding. Nature, 1991, 353, 134-139.	27.8	392
23	A Decade of Imaging Cellular Motility and Interaction Dynamics in the Immune System. Science, 2012, 336, 1676-1681.	12.6	371
24	Self-recognition promotes the foreign antigen sensitivity of naive T lymphocytes. Nature, 2002, 420, 429-434.	27.8	365
25	Histo-Cytometry: A Method for Highly Multiplex Quantitative Tissue Imaging Analysis Applied to Dendritic Cell Subset Microanatomy in Lymph Nodes. Immunity, 2012, 37, 364-376.	14.3	365
26	Constitutive Presentation of a Natural Tissue Autoantigen Exclusively by Dendritic Cells in the Draining Lymph Node. Journal of Experimental Medicine, 2002, 196, 1079-1090.	8.5	359
27	MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8. Nature, 1992, 356, 796-798.	27.8	358
28	A Spatially-Organized Multicellular Innate Immune Response in Lymph Nodes Limits Systemic Pathogen Spread. Cell, 2012, 150, 1235-1248.	28.9	339
29	Macrophage and T Cell Dynamics during the Development and Disintegration of Mycobacterial Granulomas. Immunity, 2008, 28, 271-284.	14.3	324
30	Antigen- and Cytokine-Driven Accumulation of Regulatory T Cells in Visceral Adipose Tissue of Lean Mice. Cell Metabolism, 2015, 21, 543-557.	16.2	304
31	Immune homeostasis enforced by co-localized effector and regulatory T cells. Nature, 2015, 528, 225-230.	27.8	290
32	Dynamic imaging of the immune system: progress, pitfalls and promise. Nature Reviews Immunology, 2006, 6, 497-507.	22.7	284
33	CD8+ T Cells Orchestrate pDC-XCR1+ Dendritic Cell Spatial and Functional Cooperativity to Optimize Priming. Immunity, 2017, 46, 205-219.	14.3	278
34	A role for peptide in determining MHC class II structure. Nature, 1991, 353, 167-170.	27.8	276
35	T Cell-Positive Selection Uses Self-Ligand Binding Strength to Optimize Repertoire Recognition of Foreign Antigens. Immunity, 2013, 38, 263-274.	14.3	263
36	Innate and adaptive lymphocytes sequentially shape the gut microbiota and lipid metabolism. Nature, 2018, 554, 255-259.	27.8	261

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37	Resident Macrophages Cloak Tissue Microlesions to Prevent Neutrophil-Driven Inflammatory Damage. <i>Cell</i> , 2019, 177, 541-555.e17.	28.9	261
38	Strategically Localized Dendritic Cells Promote Rapid T Cell Responses to Lymph-Borne Particulate Antigens. <i>Immunity</i> , 2015, 42, 172-185.	14.3	253
39	Niche-Specific Reprogramming of Epigenetic Landscapes Drives Myeloid Cell Diversity in Nonalcoholic Steatohepatitis. <i>Immunity</i> , 2020, 52, 1057-1074.e7.	14.3	248
40	Specific antigen- $\alpha$ activation of transfected human T cells expressing murine $\alpha$ -human T3 receptor complexes. <i>Nature</i> , 1987, 325, 125-130.	27.8	245
41	Multiplex, quantitative cellular analysis in large tissue volumes with clearing-enhanced 3D microscopy (C <sub>3D</sub> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7321-E7330.	7.1	238
42	Microbiota-Dependent Sequelae of Acute Infection Compromise Tissue-Specific Immunity. <i>Cell</i> , 2015, 163, 354-366.	28.9	230
43	Intravital Imaging Reveals Limited Antigen Presentation and T Cell Effector Function in Mycobacterial Granulomas. <i>Immunity</i> , 2011, 34, 807-819.	14.3	226
44	Chemorepulsion by blood S1P regulates osteoclast precursor mobilization and bone remodeling in vivo. <i>Journal of Experimental Medicine</i> , 2010, 207, 2793-2798.	8.5	223
45	The duration of antigen receptor signalling determines CD4+ versus CD8+ T-cell lineage fate. <i>Nature</i> , 2000, 404, 506-510.	27.8	220
46	T-Cell-Receptor-Dependent Signal Intensity Dominantly Controls CD4+ T Cell Polarization In Vivo. <i>Immunity</i> , 2014, 41, 63-74.	14.3	214
47	Tuning of Antigen Sensitivity by T Cell Receptor-Dependent Negative Feedback Controls T Cell Effector Function in Inflamed Tissues. <i>Immunity</i> , 2014, 40, 235-247.	14.3	210
48	Thy-1 functions as a signal transduction molecule in T lymphocytes and transfected B lymphocytes. <i>Nature</i> , 1986, 322, 181-184.	27.8	188
49	Peripheral Prepositioning and Local CXCL9 Chemokine-Mediated Guidance Orchestrate Rapid Memory CD8+ T Cell Responses in the Lymph Node. <i>Immunity</i> , 2013, 38, 502-513.	14.3	187
50	Quantitative Impact of Thymic Clonal Deletion on the T Cell Repertoire. <i>Journal of Experimental Medicine</i> , 1997, 185, 377-384.	8.5	178
51	Fibroblastic Reticular Cells Guide T Lymphocyte Entry into and Migration within the Splenic T Cell Zone. <i>Journal of Immunology</i> , 2008, 181, 3947-3954.	0.8	177
52	Systems Biology in Immunology: A Computational Modeling Perspective. <i>Annual Review of Immunology</i> , 2011, 29, 527-585.	21.8	167
53	Thy-1-mediated T-cell activation requires co-expression of CD3/Ti complex. <i>Nature</i> , 1987, 326, 505-507.	27.8	161
54	Peptide binding inhibits protein aggregation of invariant-chain free class II dimers and promotes surface expression of occupied molecules. <i>Nature</i> , 1993, 363, 725-728.	27.8	160

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55	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. <i>Nature Methods</i> , 2022, 19, 284-295.	19.0	156
56	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Experimental Medicine</i> , 2014, 211, 2549-2566.	8.5	150
57	Spatiotemporal Basis of Innate and Adaptive Immunity in Secondary Lymphoid Tissue. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 141-167.	9.4	146
58	Dendritic cell and antigen dispersal landscapes regulate T cell immunity. <i>Journal of Experimental Medicine</i> , 2017, 214, 3105-3122.	8.5	142
59	Commensal-driven immune zonation of the liver promotes host defence. <i>Nature</i> , 2021, 589, 131-136.	27.8	141
60	Quantification of lymph node transit times reveals differences in antigen surveillance strategies of naïve CD4 <sup>+</sup> and CD8 <sup>+</sup> T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18036-18041.	7.1	139
61	A Tunable Diffusion-Consumption Mechanism of Cytokine Propagation Enables Plasticity in Cell-to-Cell Communication in the Immune System. <i>Immunity</i> , 2017, 46, 609-620.	14.3	136
62	Follicular CD8 T cells accumulate in HIV infection and can kill infected cells in vitro via bispecific antibodies. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	135
63	Expression of genes of the T-cell antigen receptor complex in precursor thymocytes. <i>Nature</i> , 1985, 315, 765-768.	27.8	133
64	MHC class II function preserved by low-affinity peptide interactions preceding stable binding. <i>Nature</i> , 1994, 370, 647-650.	27.8	133
65	Immune regulation by glucocorticoids can be linked to cell type-dependent transcriptional responses. <i>Journal of Experimental Medicine</i> , 2019, 216, 384-406.	8.5	130
66	Excess $\beta_2$ microglobulin promoting functional peptide association with purified soluble class I MHC molecules. <i>Nature</i> , 1991, 349, 74-77.	27.8	128
67	An innately interesting decade of research in immunology. <i>Nature Medicine</i> , 2004, 10, 1307-1320.	30.7	127
68	Antigen-unspecific B Cells and Lymphoid Dendritic Cells Both Show Extensive Surface Expression of Processed Antigen-Major Histocompatibility Complex Class II Complexes after Soluble Protein Exposure In Vivo or In Vitro. <i>Journal of Experimental Medicine</i> , 1997, 186, 673-682.	8.5	118
69	Immune complexes stimulate CCR7-dependent dendritic cell migration to lymph nodes. <i>Nature Medicine</i> , 2014, 20, 1458-1463.	30.7	107
70	Dissociation of phosphoinositide hydrolysis and Ca <sup>2+</sup> fluxes from the biological responses of a T-cell hybridoma. <i>Nature</i> , 1988, 334, 625-628.	27.8	104
71	Lipid-gated monovalent ion fluxes regulate endocytic traffic and support immune surveillance. <i>Science</i> , 2020, 367, 301-305.	12.6	104
72	High-dimensional cell-level analysis of tissues with Ce3D multiplex volume imaging. <i>Nature Protocols</i> , 2019, 14, 1708-1733.	12.0	103

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73	Processing and Presentation of Endocytically Acquired Protein Antigens by MHC Class II and Class I Molecules. <i>Immunological Reviews</i> , 1996, 151, 5-30.	6.0	99
74	Cross-Antagonism of a T Cell Clone Expressing Two Distinct T Cell Receptors. <i>Immunity</i> , 1999, 11, 289-298.	14.3	99
75	Distinct NF- $\kappa$ B and MAPK Activation Thresholds Uncouple Steady-State Microbe Sensing from Anti-pathogen Inflammatory Responses. <i>Cell Systems</i> , 2016, 2, 378-390.	6.2	97
76	IBEX: A versatile multiplex optical imaging approach for deep phenotyping and spatial analysis of cells in complex tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33455-33465.	7.1	97
77	Functionally distinct subsites on a class II major histocompatibility complex molecule. <i>Nature</i> , 1987, 329, 254-256.	27.8	96
78	Lymph-Node Resident CD8 $\alpha^+$ Dendritic Cells Capture Antigens from Migratory Malaria Sporozoites and Induce CD8+ T Cell Responses. <i>PLoS Pathogens</i> , 2015, 11, e1004637.	4.7	96
79	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. <i>Science Immunology</i> , 2019, 4, .	11.9	93
80	Spatial distribution and function of T follicular regulatory cells in human lymph nodes. <i>Journal of Experimental Medicine</i> , 2018, 215, 1531-1542.	8.5	90
81	Unexpected expression of a unique mixed-isotype class II MHC molecule by transfected L-cells. <i>Nature</i> , 1986, 320, 72-75.	27.8	89
82	Making friends in out-of-the-way places: how cells of the immune system get together and how they conduct their business as revealed by intravital imaging. <i>Immunological Reviews</i> , 2008, 221, 163-181.	6.0	82
83	Vaccines and the Future of Human Immunology. <i>Immunity</i> , 2010, 33, 441-450.	14.3	82
84	The Chemoattractant Receptor Ebi2 Drives Intranodal Naive CD4+ T Cell Peripheralization to Promote Effective Adaptive Immunity. <i>Immunity</i> , 2019, 50, 1188-1201.e6.	14.3	80
85	In vivo antigen presentation. <i>Current Opinion in Immunology</i> , 2004, 16, 120-125.	5.5	78
86	Hyperactivated PI3K $\gamma$ promotes self and commensal reactivity at the expense of optimal humoral immunity. <i>Nature Immunology</i> , 2018, 19, 986-1000.	14.5	77
87	Revisiting Thymic Positive Selection and the Mature T Cell Repertoire for Antigen. <i>Immunity</i> , 2014, 41, 181-190.	14.3	76
88	Neutrophils self-limit swarming to contain bacterial growth in vivo. <i>Science</i> , 2021, 372, .	12.6	76
89	Maintaining system homeostasis: the third law of Newtonian immunology. <i>Nature Immunology</i> , 2012, 13, 902-906.	14.5	71
90	Prime and target immunization protects against liver-stage malaria in mice. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	68

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91	NK-DC crosstalk controls the autopathogenic Th17 response through an innate IFN- $\gamma$ /IL-27 axis. <i>Journal of Experimental Medicine</i> , 2015, 212, 1739-1752.	8.5	66
92	A local regulatory T cell feedback circuit maintains immune homeostasis by pruning self-activated T cells. <i>Cell</i> , 2021, 184, 3981-3997.e22.	28.9	66
93	Memory-phenotype CD4 <sup>+</sup> T cells spontaneously generated under steady-state conditions exert innate T <sub>H</sub> 1-like effector function. <i>Science Immunology</i> , 2017, 2, .	11.9	65
94	Functional expression of a transfected murine class II MHC gene. <i>Nature</i> , 1983, 306, 190-194.	27.8	64
95	The lymph node at a glance – how spatial organization optimizes the immune response. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	63
96	Special regulatory T cell review: A rose by any other name: from suppressor T cells to Tregs, approbation to unbridled enthusiasm. <i>Immunology</i> , 2008, 123, 20-27.	4.4	61
97	An extended vision for dynamic high-resolution intravital immune imaging. <i>Seminars in Immunology</i> , 2005, 17, 431-441.	5.6	59
98	Processing of a minimal antigenic peptide alters its interaction with MHC molecules. <i>Nature</i> , 1988, 331, 538-540.	27.8	58
99	T-cell recognition of a chimaeric class II/class I MHC molecule and the role of L3T4. <i>Nature</i> , 1985, 317, 425-427.	27.8	57
100	Predictable acquisition of a new MHC recognition specificity following expression of a transfected T-cell receptor $\beta$ -chain gene. <i>Nature</i> , 1987, 329, 256-259.	27.8	57
101	The Biochemistry and Cell Biology of Antigen Presentation by MHC Class I and Class II Molecules.. <i>Annals of the New York Academy of Sciences</i> , 1995, 754, 114-125.	3.8	57
102	MHC class I surface expression in embryo-derived cell lines inducible with peptide or interferon. <i>Nature</i> , 1991, 354, 235-238.	27.8	54
103	Adjuvant and carrier protein-dependent T-cell priming promotes a robust antibody response against the <i>Plasmodium falciparum</i> Pfs25 vaccine candidate. <i>Scientific Reports</i> , 2017, 7, 40312.	3.3	54
104	Co-stimulatory function in primary germinal center responses: CD40 and B7 are required on distinct antigen-presenting cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 2795-2810.	8.5	54
105	AS03-adjuvanted H5N1 vaccine promotes antibody diversity and affinity maturation, NAI titers, cross-clade H5N1 neutralization, but not H1N1 cross-subtype neutralization. <i>Npj Vaccines</i> , 2018, 3, 40.	6.0	54
106	Tuning T cell receptor sensitivity through catch bond engineering. <i>Science</i> , 2022, 376, eabl5282.	12.6	53
107	Host conditioning with IL-1 $\beta$ improves the antitumor function of adoptively transferred T cells. <i>Journal of Experimental Medicine</i> , 2019, 216, 2619-2634.	8.5	51
108	ILC2s are resident lymphocytes pre-adapted to a specific tissue or migratory effectors that adapt to where they move?. <i>Current Opinion in Immunology</i> , 2019, 56, 76-81.	5.5	43

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109	Migrating Myeloid Cells Sense Temporal Dynamics of Chemoattractant Concentrations. <i>Immunity</i> , 2017, 47, 862-874.e3.	14.3	40
110	IBEX: an iterative immunolabeling and chemical bleaching method for high-content imaging of diverse tissues. <i>Nature Protocols</i> , 2022, 17, 378-401.	12.0	38
111	Suppression of lethal autoimmunity by regulatory T cells with a single TCR specificity. <i>Journal of Experimental Medicine</i> , 2017, 214, 609-622.	8.5	34
112	Robust control of the adaptive immune system. <i>Seminars in Immunology</i> , 2018, 36, 17-27.	5.6	34
113	The transmembrane segment of invariant chain mediates binding to MHC class II molecules in a CLIP-independent manner. <i>European Journal of Immunology</i> , 2001, 31, 841-850.	2.9	33
114	Cancer prognosis with shallow tumor RNA sequencing. <i>Nature Medicine</i> , 2020, 26, 188-192.	30.7	33
115	Making a molecular match. <i>Nature</i> , 1990, 344, 19-21.	27.8	29
116	The second class story. <i>Nature</i> , 1991, 353, 605-606.	27.8	29
117	DNA origami patterning of synthetic T cell receptors reveals spatial control of the sensitivity and kinetics of signal activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
118	The Generation and Selection of the T Cell Repertoire: Insights from Studies of the Molecular Basis of T Cell Recognition. <i>Immunological Reviews</i> , 1988, 101, 81-113.	6.0	26
119	Quantifying in situ adaptive immune cell cognate interactions in humans. <i>Nature Immunology</i> , 2019, 20, 503-513.	14.5	26
120	Thinking differently about <sc>ILC</sc>â€”Not just tissue resident and not just the same as <sc>CD</sc>4<sup>+</sup> T cell effectors. <i>Immunological Reviews</i> , 2018, 286, 160-171.	6.0	24
121	Healing the NIH-Funded Biomedical Research Enterprise. <i>Cell</i> , 2015, 161, 1485-1491.	28.9	23
122	Pathogen-Related Differences in the Abundance of Presented Antigen Are Reflected in CD4+ T Cell Dynamic Behavior and Effector Function in the Lung. <i>Journal of Immunology</i> , 2014, 192, 1651-1660.	0.8	22
123	The human condition: an immunological perspective. <i>Nature Immunology</i> , 2011, 12, 369-372.	14.5	21
124	Allergen-Induced CD4+ T Cell Cytokine Production within Airway Mucosal Dendritic Cellâ€”T Cell Clusters Drives the Local Recruitment of Myeloid Effector Cells. <i>Journal of Immunology</i> , 2017, 198, 895-907.	0.8	19
125	Self-Recognition and the Regulation of Cd4+ T Cell Survival. <i>Advances in Experimental Medicine and Biology</i> , 2002, 512, 97-105.	1.6	19
126	Computational analysis of T cell receptor signaling and ligand discrimination â€” Past, present, and future. <i>FEBS Letters</i> , 2010, 584, 4814-4822.	2.8	18



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127	Recent progress using systems biology approaches to better understand molecular mechanisms of immunity. <i>Seminars in Immunology</i> , 2013, 25, 201-208.	5.6	18
128	Gut <i>Helicobacter</i> presentation by multiple dendritic cell subsets enables context-specific regulatory T cell generation. <i>ELife</i> , 2021, 10, .	6.0	18
129	Age-related differences in immune dynamics during SARS-CoV-2 infection in rhesus macaques. <i>Life Science Alliance</i> , 2022, 5, e202101314.	2.8	18
130	Targeted Proteomics-Driven Computational Modeling of Macrophage S1P Chemosensing. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2661-2681.	3.8	16
131	IFN-mediated negative feedback supports bacteria class-specific macrophage inflammatory responses. <i>ELife</i> , 2019, 8, .	6.0	16
132	Visualization and dynamic analysis of hostâ€“pathogen interactions. <i>Current Opinion in Immunology</i> , 2014, 29, 8-15.	5.5	14
133	Uncovering the Role of Invariant Chain in Controlling MHC Class II Antigen Capture. <i>Journal of Immunology</i> , 2011, 187, 1073-1075.	0.8	13
134	An interactive web-based application for Comprehensive Analysis of RNAi-screen Data. <i>Nature Communications</i> , 2016, 7, 10578.	12.8	13
135	Intubation-free in vivo imaging of the tracheal mucosa using two-photon microscopy. <i>Scientific Reports</i> , 2017, 7, 694.	3.3	13
136	Ligand-Dependent Regulation of T Cell Development and Activation. <i>Immunologic Research</i> , 2003, 27, 277-286.	2.9	12
137	<i>In Vivo</i> Intradermal Delivery of Bacteria by Using Microneedle Arrays. <i>Infection and Immunity</i> , 2018, 86, .	2.2	12
138	Intravital and high-content multiplex imaging of the immune system. <i>Trends in Cell Biology</i> , 2022, 32, 406-420.	7.9	12
139	Understanding immunity in a tissueâ€“centric context: Combining novel imaging methods and mathematics to extract new insights into function and dysfunction*. <i>Immunological Reviews</i> , 2022, 306, 8-24.	6.0	11
140	T-cell Activation: The Power of One. <i>Current Biology</i> , 2003, 13, R137-R139.	3.9	9
141	Life and death as a T lymphocyte: from immune protection to HIV pathogenesis. <i>Journal of Biology</i> , 2009, 8, 91.	2.7	9
142	National Cancer Institute Think-Tank Meeting Report on Proteomic Cartography and Biomarkers at the Single-Cell Level: Interrogation of Premalignant Lesions. <i>Journal of Proteome Research</i> , 2020, 19, 1900-1912.	3.7	8
143	The Molecular Basis of MHC-Restricted Antigen Recognition by T Cells. <i>International Reviews of Immunology</i> , 1988, 3, 147-174.	3.3	7
144	Focusing in on T Cell Cross-Reactivity. <i>Cell</i> , 2014, 157, 1006-1008.	28.9	7

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145	Analyzing Inter-Leukocyte Communication and Migration In Vitro: Neutrophils Play an Essential Role in Monocyte Activation During Swarming. <i>Frontiers in Immunology</i> , 2021, 12, 671546.	4.8	7
146	A small sustained increase in NOD1 abundance promotes ligand-independent inflammatory and oncogene transcriptional responses. <i>Science Signaling</i> , 2020, 13, .	3.6	6
147	Efficient Immune Cell Genome Engineering with Enhanced CRISPR Editing Tools. <i>ImmunoHorizons</i> , 2021, 5, 117-132.	1.8	4
148	Mesoscale T cell antigen discrimination emerges from intercellular feedback. <i>Trends in Immunology</i> , 2021, 42, 865-875.	6.8	4
149	The Cellular Determinants of Adaptive Immunity. <i>New England Journal of Medicine</i> , 2019, 381, 1083-1085.	27.0	2
150	Tracking the T cell repertoire. <i>Nature Reviews Immunology</i> , 2015, 15, 730-730.	22.7	1
151	Mitochondria play a central role in NLRP3 inflammasome activation (349.1). <i>FASEB Journal</i> , 2014, 28, 349.1.	0.5	1
152	Lentivirus-mediated Conditional Gene Expression. <i>Bio-protocol</i> , 2021, 11, e4205.	0.4	1
153	Imaging the immune system redux. <i>Immunological Reviews</i> , 2022, 306, 5-7.	6.0	1
154	William E. Paul, M.D. (1936â€“2015), President, The American Association of Immunologists, 1986â€“1987. <i>Journal of Immunology</i> , 2015, 195, 5519-5521.	0.8	0
155	William E. Paul (1936â€“2015). <i>Nature</i> , 2015, 526, 324-324.	27.8	0
156	Targeted Proteomicsâ€Driven Computational Modeling of Macrophage Microbial Sensing Pathways. <i>FASEB Journal</i> , 2018, 32, .	0.5	0
157	Integration and Iteration: Using Advanced, High-Content Imaging and Single-Cell Gene Expression Analysis to Uncover Unique Aspects of Follicular Lymphoma Biology. <i>Blood</i> , 2020, 136, 9-10.	1.4	0