E John Wherry

List of Publications by Citations

175 papers	49,415 citations	96 h-index	186 g-index
186 ext. papers	59,923 ext. citations	18.3 avg, IF	7.88 L-index

#	Paper	IF	Citations
175	Restoring function in exhausted CD8 T cells during chronic viral infection. *Nature*, **2006**, 439, 682-7	50.4	2903
174	T cell exhaustion. *Nature Immunology*, **2011**, 12, 492-9	19.1	2266
173	Molecular and cellular insights into T cell exhaustion. *Nature Reviews Immunology*, **2015**, 15, 486-99	36.5	2043
172	PD-1 expression on HIV-specific T cells is associated with T-cell exhaustion and disease progression. *Nature*, **2006**, 443, 350-4	50.4	2001
171	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. *Nature*, **2015**, 520, 373-7	50.4	1509
170	Lineage relationship and protective immunity of memory CD8 T cell subsets. *Nature Immunology*, **2003**, 4, 225-34	19.1	1456
169	Selective expression of the interleukin 7 receptor identifies effector CD8 T cells that give rise to long-lived memory cells. *Nature Immunology*, **2003**, 4, 1191-8	19.1	1413
168	Coregulation of CD8+ T cell exhaustion by multiple inhibitory receptors during chronic viral infection. *Nature Immunology*, **2009**, 10, 29-37	19.1	1403
167	Molecular signature of CD8+ T cell exhaustion during chronic viral infection. *Immunity*, **2007**, 27, 670-84	32.3	1345
166	Effector and memory T-cell differentiation: implications for vaccine development. *Nature Reviews Immunology*, **2002**, 2, 251-62	36.5	1242
165	Viral persistence alters CD8 T-cell immunodominance and tissue distribution and results in distinct stages of functional impairment. *Journal of Virology*, **2003**, 77, 4911-27	6.6	1135
164	Exosomal PD-L1 contributes to immunosuppression and is associated with anti-PD-1 response. *Nature*, **2018**, 560, 382-386	50.4	1058
163	The function of programmed cell death 1 and its ligands in regulating autoimmunity and infection. *Nature Immunology*, **2007**, 8, 239-45	19.1	1048
162	Effector and memory CD8+ T cell fate coupled by T-bet and eomesodermin. *Nature Immunology*, **2005**, 6, 1236-44	19.1	880
161	T-cell invigoration to tumour burden ratio associated with anti-PD-1 response. *Nature*, **2017**, 545, 60-65	50.4	850
160	Deep immune profiling of COVID-19 patients reveals distinct immunotypes with therapeutic implications. *Science*, **2020**, 369,	33.3	744
159	Redefining chronic viral infection. *Cell*, **2009**, 138, 30-50	56.2	727

158	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. *Nature Immunology*, **2011**, 12, 1045-54	19.1	681
157	Memory CD8 T-cell differentiation during viral infection. *Journal of Virology*, **2004**, 78, 5535-45	6.6	660
156	Determinants of response and resistance to CD19 chimeric antigen receptor (CAR) T cell therapy of chronic lymphocytic leukemia. *Nature Medicine*, **2018**, 24, 563-571	50.5	649
155	Commensal bacteria calibrate the activation threshold of innate antiviral immunity. *Immunity*, **2012**, 37, 158-70	32.3	626
154	Overcoming T cell exhaustion in infection and cancer. *Trends in Immunology*, **2015**, 36, 265-76	14.4	619
153	Epigenetic stability of exhausted T cells limits durability of reinvigoration by PD-1 blockade. *Science* , **2016**, 354, 1160-1165	33.3	618
152	Interleukin 15 is required for proliferative renewal of virus-specific memory CD8 T cells. *Journal of Experimental Medicine*, **2002**, 195, 1541-8	16.6	552
151	Progenitor and terminal subsets of CD8+ T cells cooperate to contain chronic viral infection. *Science* , **2012**, 338, 1220-5	33.3	548
150	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. *Cell*, **2016**, 167, 1540-1554.e12	56.2	538
149	CD8 T Cell Exhaustion During Chronic Viral Infection and Cancer. *Annual Review of Immunology*, **2019**, 37, 457-495	34.7	528
148	Innate lymphoid cells regulate CD4+ T-cell responses to intestinal commensal bacteria. *Nature*, **2013**, 498, 113-7	50.4	508
147	The epigenetic landscape of T cell exhaustion. *Science*, **2016**, 354, 1165-1169	33.3	485
146	Heterologous immunity provides a potent barrier to transplantation tolerance. *Journal of Clinical Investigation*, **2003**, 111, 1887-1895	15.9	471
145	TOX transcriptionally and epigenetically programs CD8 T cell exhaustion. *Nature*, **2019**, 571, 211-218	50.4	459
144	Heterogeneity and cell-fate decisions in effector and memory CD8+ T cell differentiation during viral infection. *Immunity*, **2007**, 27, 393-405	32.3	422
143	Antigen-independent differentiation and maintenance of effector-like resident memory T cells in tissues. *Journal of Immunology*, **2012**, 188, 4866-75	5.3	405
142	Antigen-independent memory CD8 T cells do not develop during chronic viral infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 16004-9	11.5	402
141	Defining UT cell exhaustionU *Nature Reviews Immunology*, **2019**, 19, 665-674	36.5	387

140	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. *Journal of Virology*, **2007**, 81, 2545-53	6.6	386
139	Bioenergetic Insufficiencies Due to Metabolic Alterations Regulated by the Inhibitory Receptor PD-1 Are an Early Driver of CD8(+) T Cell Exhaustion. *Immunity*, **2016**, 45, 358-73	32.3	376
138	Cutting edge: rapid in vivo killing by memory CD8 T cells. *Journal of Immunology*, **2003**, 171, 27-31	5.3	359
137	Selective expansion of a subset of exhausted CD8 T cells by alphaPD-L1 blockade. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15016-21	11.5	349
136	Transcriptional analysis of HIV-specific CD8+ T cells shows that PD-1 inhibits T cell function by upregulating BATF. *Nature Medicine*, **2010**, 16, 1147-51	50.5	344
135	Network analysis reveals centrally connected genes and pathways involved in CD8+ T cell exhaustion versus memory. *Immunity*, **2012**, 37, 1130-44	32.3	337
134	Reinvigorating exhausted HIV-specific T cells via PD-1-PD-1 ligand blockade. *Journal of Experimental Medicine*, **2006**, 203, 2223-7	16.6	333
133	Transcription factor T-bet represses expression of the inhibitory receptor PD-1 and sustains virus-specific CD8+ T cell responses during chronic infection. *Nature Immunology*, **2011**, 12, 663-71	19.1	332
132	Molecular regulation of effector and memory T cell differentiation. *Nature Immunology*, **2014**, 15, 1104-15	19.1	331
131	A role for the transcriptional repressor Blimp-1 in CD8(+) T cell exhaustion during chronic viral infection. *Immunity*, **2009**, 31, 309-20	32.3	328
130	Molecular and transcriptional basis of CD4+ T cell dysfunction during chronic infection. *Immunity*, **2014**, 40, 289-302	32.3	314
129	Therapeutic use of IL-2 to enhance antiviral T-cell responses in vivo. *Nature Medicine*, **2003**, 9, 540-7	50.5	310
128	Anomalous type 17 response to viral infection by CD8+ T cells lacking T-bet and eomesodermin. *Science*, **2008**, 321, 408-11	33.3	299
127	Induction of T-cell Immunity Overcomes Complete Resistance to PD-1 and CTLA-4 Blockade and Improves Survival in Pancreatic Carcinoma. *Cancer Immunology Research*, **2015**, 3, 399-411	12.5	289
126	A single dose of neoadjuvant PD-1 blockade predicts clinical outcomes in resectable melanoma. *Nature Medicine*, **2019**, 25, 454-461	50.5	283
125	Cutting edge: The transcription factor eomesodermin enables CD8+ T cells to compete for the memory cell niche. *Journal of Immunology*, **2010**, 185, 4988-92	5.3	281
124	Cutting edge: gut microenvironment promotes differentiation of a unique memory CD8 T cell population. *Journal of Immunology*, **2006**, 176, 2079-83	5.3	278
123	Synergistic reversal of intrahepatic HCV-specific CD8 T cell exhaustion by combined PD-1/CTLA-4 blockade. *PLoS Pathogens*, **2009**, 5, e1000313	7.6	273

122	CD8 T cell dysfunction during chronic viral infection. *Current Opinion in Immunology*, **2007**, 19, 408-15	7.8	273
121	Cutting Edge: IL-12 inversely regulates T-bet and eomesodermin expression during pathogen-induced CD8+ T cell differentiation. *Journal of Immunology*, **2006**, 177, 7515-9	5.3	260
120	Multifactorial T-cell hypofunction that is reversible can limit the efficacy of chimeric antigen receptor-transduced human T cells in solid tumors. *Clinical Cancer Research*, **2014**, 20, 4262-73	12.9	256
119	Genetic absence of PD-1 promotes accumulation of terminally differentiated exhausted CD8+ T cells. *Journal of Experimental Medicine*, **2015**, 212, 1125-37	16.6	242
118	Heterologous immunity provides a potent barrier to transplantation tolerance. *Journal of Clinical Investigation*, **2003**, 111, 1887-95	15.9	239
117	Functional restoration of HCV-specific CD8 T cells by PD-1 blockade is defined by PD-1 expression and compartmentalization. *Gastroenterology*, **2008**, 134, 1927-37, 1937.e1-2	13.3	226
116	Requirement for T-bet in the aberrant differentiation of unhelped memory CD8+ T cells. *Journal of Experimental Medicine*, **2007**, 204, 2015-21	16.6	226
115	Bone marrow is a preferred site for homeostatic proliferation of memory CD8 T cells. *Journal of Immunology*, **2005**, 174, 1269-73	5.3	217
114	The microRNA miR-155 controls CD8(+) T cell responses by regulating interferon signaling. *Nature Immunology*, **2013**, 14, 593-602	19.1	203
113	Viral antigen and extensive division maintain virus-specific CD8 T cells during chronic infection. *Journal of Experimental Medicine*, **2007**, 204, 941-9	16.6	199
112	Single-cell RNA-seq reveals TOX as a key regulator of CD8 T cell persistence in chronic infection. *Nature Immunology*, **2019**, 20, 890-901	19.1	198
111	The transcription factor BATF operates as an essential differentiation checkpoint in early effector CD8+ T cells. *Nature Immunology*, **2014**, 15, 373-83	19.1	197
110	TCF-1-Centered Transcriptional Network Drives an Effector versus Exhausted CD8T Cell-Fate Decision. *Immunity*, **2019**, 51, 840-855.e5	32.3	196
109	Enhancing therapeutic vaccination by blocking PD-1-mediated inhibitory signals during chronic infection. *Journal of Experimental Medicine*, **2008**, 205, 543-55	16.6	184
108	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. *PLoS Pathogens*, **2015**, 11, e1005177	7.6	183
107	T cell exhaustion during persistent viral infections. *Virology*, **2015**, 479-480, 180-93	3.6	179
106	Generation and maintenance of immunological memory. *Seminars in Immunology*, **2004**, 16, 323-33	10.7	176
105	IL-10, T cell exhaustion and viral persistence. *Trends in Microbiology*, **2007**, 15, 143-6	12.4	172

104	Developmental Relationships of Four Exhausted CD8 T Cell Subsets Reveals Underlying Transcriptional and Epigenetic Landscape Control Mechanisms. *Immunity*, **2020**, 52, 825-841.e8	32.3	172
103	Combination Cancer Therapies with Immune Checkpoint Blockade: Convergence on Interferon Signaling. *Cell*, **2016**, 165, 272-5	56.2	172
102	Progressive loss of memory T cell potential and commitment to exhaustion during chronic viral infection. *Journal of Virology*, **2012**, 86, 8161-70	6.6	164
101	Adenoviral vectors persist in vivo and maintain activated CD8+ T cells: implications for their use as vaccines. *Blood*, **2007**, 110, 1916-23	2.2	163
100	The role of programming in memory T-cell development. *Current Opinion in Immunology*, **2004**, 16, 217-25	7.8	158
99	Costimulatory and Coinhibitory Receptor Pathways in Infectious Disease. *Immunity*, **2016**, 44, 1052-68	32.3	152
98	Behavior of parasite-specific effector CD8+ T cells in the brain and visualization of a kinesis-associated system of reticular fibers. *Immunity*, **2009**, 30, 300-11	32.3	146
97	Opposing Functions of Interferon Coordinate Adaptive and Innate Immune Responses to Cancer Immune Checkpoint Blockade. *Cell*, **2019**, 178, 933-948.e14	56.2	141
96	Epigenomic-Guided Mass Cytometry Profiling Reveals Disease-Specific Features of Exhausted CD8 T Cells. *Immunity*, **2018**, 48, 1029-1045.e5	32.3	140
95	mRNA vaccines induce durable immune memory to SARS-CoV-2 and variants of concern. *Science*, **2021**, 374, abm0829	33.3	133
94	Inhibitory receptors on lymphocytes: insights from infections. *Journal of Immunology*, **2012**, 188, 2957-65	5.3	121
93	Dynamic programmed death 1 expression by virus-specific CD8 T cells correlates with the outcome of acute hepatitis B. *Gastroenterology*, **2008**, 134, 1938-49, 1949.e1-3	13.3	120
92	Rapid induction of antigen-specific CD4 T cells is associated with coordinated humoral and cellular immunity to SARS-CoV-2 mRNA vaccination. *Immunity*, **2021**, 54, 2133-2142.e3	32.3	117
91	Regulator of fatty acid metabolism, acetyl coenzyme a carboxylase 1, controls T cell immunity. *Journal of Immunology*, **2014**, 192, 3190-9	5.3	114
90	Impact of epitope escape on PD-1 expression and CD8 T-cell exhaustion during chronic infection. *Journal of Virology*, **2009**, 83, 4386-94	6.6	109
89	The diversity of costimulatory and inhibitory receptor pathways and the regulation of antiviral T cell responses. *Current Opinion in Immunology*, **2009**, 21, 179-86	7.8	106
88	Cutting Edge: B Cell-Intrinsic T-bet Expression Is Required To Control Chronic Viral Infection. *Journal of Immunology*, **2016**, 197, 1017-22	5.3	105
87	IL-25 simultaneously elicits distinct populations of innate lymphoid cells and multipotent progenitor type 2 (MPPtype2) cells. *Journal of Experimental Medicine*, **2013**, 210, 1823-37	16.6	105

86	Role of PD-1 in regulating acute infections. *Current Opinion in Immunology*, **2010**, 22, 397-401	7.8	104
85	Strength of stimulus and clonal competition impact the rate of memory CD8 T cell differentiation. *Journal of Immunology*, **2007**, 179, 6704-14	5.3	103
84	Cooperativity between CD8+ T cells, non-neutralizing antibodies, and alveolar macrophages is important for heterosubtypic influenza virus immunity. *PLoS Pathogens*, **2013**, 9, e1003207	7.6	100
83	Perforin and IL-2 upregulation define qualitative differences among highly functional virus-specific human CD8 T cells. *PLoS Pathogens*, **2010**, 6, e1000798	7.6	99
82	A role for the chemokine RANTES in regulating CD8 T cell responses during chronic viral infection. *PLoS Pathogens*, **2011**, 7, e1002098	7.6	99
81	Increased programmed death-1 expression on CD4+ T cells in cutaneous T-cell lymphoma: implications for immune suppression. *Archives of Dermatology*, **2010**, 146, 1382-8		97
80	TCR signal transduction in antigen-specific memory CD8 T cells. *Journal of Immunology*, **2003**, 170, 5455-63	5.3	97
79	Tissue-specific differences in PD-1 and PD-L1 expression during chronic viral infection: implications for CD8 T-cell exhaustion. *Journal of Virology*, **2010**, 84, 2078-89	6.6	92
78	Low CD8 T-cell proliferative potential and high viral load limit the effectiveness of therapeutic vaccination. *Journal of Virology*, **2005**, 79, 8960-8	6.6	92
77	Changing immunodominance patterns in antiviral CD8 T-cell responses after loss of epitope presentation or chronic antigenic stimulation. *Virology*, **2003**, 315, 93-102	3.6	90
76	Defective CD8 T cell responses in aged mice are due to quantitative and qualitative changes in virus-specific precursors. *Journal of Immunology*, **2012**, 188, 1933-41	5.3	86
75	Differential localization of T-bet and Eomes in CD8 T cell memory populations. *Journal of Immunology*, **2013**, 190, 3207-15	5.3	84
74	Non-conventional Inhibitory CD4Foxp3PD-1 T Cells as a Biomarker of Immune Checkpoint Blockade Activity. *Cancer Cell*, **2018**, 33, 1017-1032.e7	24.3	81
73	B cell antigen presentation in the initiation of follicular helper T cell and germinal center differentiation. *Journal of Immunology*, **2014**, 192, 3607-17	5.3	81
72	Deep immune profiling of MIS-C demonstrates marked but transient immune activation compared to adult and pediatric COVID-19. *Science Immunology*, **2021**, 6,	28	74
71	The Loss of TET2 Promotes CD8 T Cell Memory Differentiation. *Journal of Immunology*, **2018**, 200, 82-91	5.3	72
70	Liver environment and HCV replication affect human T-cell phenotype and expression of inhibitory receptors. *Gastroenterology*, **2014**, 146, 550-61	13.3	71
69	Bystander chronic infection negatively impacts development of CD8(+) T cell memory. *Immunity*, **2014**, 40, 801-13	32.3	69

68	Awakening the immune system with radiation: Optimal dose and fractionation. *Cancer Letters*, **2015** , 368, 185-90	9.9	68
67	Persistent enteric murine norovirus infection is associated with functionally suboptimal virus-specific CD8 T cell responses. *Journal of Virology*, **2013**, 87, 7015-31	6.6	68
66	MyD88 plays a critical T cell-intrinsic role in supporting CD8 T cell expansion during acute lymphocytic choriomeningitis virus infection. *Journal of Immunology*, **2008**, 181, 3804-10	5.3	61
65	Cutting edge: persistently open chromatin at effector gene loci in resting memory CD8+ T cells independent of transcriptional status. *Journal of Immunology*, **2011**, 186, 2705-9	5.3	60
64	Identification of an evolutionarily conserved transcriptional signature of CD8 memory differentiation that is shared by T and B cells. *Journal of Immunology*, **2008**, 181, 1859-68	5.3	60
63	Long-term outcomes of a phase I study of agonist CD40 antibody and CTLA-4 blockade in patients with metastatic melanoma. *OncoImmunology*, **2018**, 7, e1468956	7.2	60
62	A phase I trial of pembrolizumab with hypofractionated radiotherapy in patients with metastatic solid tumours. *British Journal of Cancer*, **2018**, 119, 1200-1207	8.7	59
61	Toll-like receptor 7 is required for effective adaptive immune responses that prevent persistent virus infection. *Cell Host and Microbe*, **2012**, 11, 643-53	23.4	57
60	Protein energy malnutrition impairs homeostatic proliferation of memory CD8 T cells. *Journal of Immunology*, **2012**, 188, 77-84	5.3	57
59	SnapShot: T Cell Exhaustion. *Cell*, **2015**, 163, 1038-1038.e1	56.2	56
58	Engagement of NKG2D on bystander memory CD8 T cells promotes increased immunopathology following Leishmania major infection. *PLoS Pathogens*, **2014**, 10, e1003970	7.6	55
57	Cell-intrinsic defects in the proliferative response of antiviral memory CD8 T cells in aged mice upon secondary infection. *Journal of Immunology*, **2010**, 184, 5151-9	5.3	53
56	Deep immune profiling of COVID-19 patients reveals patient heterogeneity and distinct immunotypes with implications for therapeutic interventions **2020**,		52
55	Increased T-bet is associated with senescence of influenza virus-specific CD8 T cells in aged humans. *Journal of Leukocyte Biology*, **2013**, 93, 825-36	6.5	51
54	Targeting of antigen to the herpesvirus entry mediator augments primary adaptive immune responses. *Nature Medicine*, **2008**, 14, 205-12	50.5	51
53	Vaccine-elicited CD4 T cells induce immunopathology after chronic LCMV infection. *Science*, **2015**, 347, 278-82	33.3	50
52	Acquired transcriptional programming in functional and exhausted virus-specific CD8 T cells. *Current Opinion in HIV and AIDS*, **2012**, 7, 50-7	4.2	50
51	T-cell receptor signals direct the composition and function of the memory CD8+ T-cell pool. *Blood*, **2010**, 116, 5548-59	2.2	50

50	miR-150 Regulates Memory CD8 T Cell Differentiation via c-Myb. *Cell Reports*, **2017**, 20, 2584-2597	10.6	49
49	Dysfunctional HIV-specific CD8+ T cell proliferation is associated with increased caspase-8 activity and mediated by necroptosis. *Immunity*, **2014**, 41, 1001-12	32.3	49
48	Integrating genomic signatures for immunologic discovery. *Immunity*, **2010**, 32, 152-61	32.3	48
47	Long-Term Persistence of Exhausted CD8 T Cells in Chronic Infection Is Regulated by MicroRNA-155. *Cell Reports*, **2018**, 23, 2142-2156	10.6	47
46	Immunology. An interferon paradox. *Science*, **2013**, 340, 155-6	33.3	46
45	HIV-specific CD8 T cells express low levels of IL-7Ralpha: implications for HIV-specific T cell memory. *Virology*, **2006**, 353, 366-73	3.6	42
44	Hypogammaglobulinemia and exacerbated CD8 T-cell-mediated immunopathology in SAP-deficient mice with chronic LCMV infection mimics human XLP disease. *Blood*, **2006**, 108, 3085-93	2.2	42
43	Type I Interferon Receptor Deficiency in Dendritic Cells Facilitates Systemic Murine Norovirus Persistence Despite Enhanced Adaptive Immunity. *PLoS Pathogens*, **2016**, 12, e1005684	7.6	40
42	Cutting edge: CXCR4 is critical for CD8+ memory T cell homeostatic self-renewal but not rechallenge self-renewal. *Journal of Immunology*, **2014**, 193, 1013-6	5.3	39
41	Transcription factor regulation of CD8+ T-cell memory and exhaustion. *Immunological Reviews*, **2010**, 236, 167-75	11.3	39
40	AAV8 induces tolerance in murine muscle as a result of poor APC transduction, T cell exhaustion, and minimal MHCI upregulation on target cells. *Molecular Therapy*, **2014**, 22, 28-41	11.7	38
39	Dynamic decrease in PD-1 expression correlates with HBV-specific memory CD8 T-cell development in acute self-limited hepatitis B patients. *Journal of Hepatology*, **2009**, 50, 1163-73	13.4	37
38	Neuropilin-1 is a T cell memory checkpoint limiting long-term antitumor immunity. *Nature Immunology*, **2020**, 21, 1010-1021	19.1	36
37	A brief history of CD8 T cells. *European Journal of Immunology*, **2007**, 37 Suppl 1, S103-10	6.1	34
36	Differentiation and Protective Capacity of Virus-Specific CD8 T Cells Suggest Murine Norovirus Persistence in an Immune-Privileged Enteric Niche. *Immunity*, **2017**, 47, 723-738.e5	32.3	33
35	The contribution of epigenetic memory to immunologic memory. *Current Opinion in Genetics and Development*, **2011**, 21, 154-9	4.9	33
34	The long noncoding RNA regulates CD8 T cells in response to viral infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 11916-11925	11.5	27
33	Technical Advance: Fluorescent reporter reveals insights into eomesodermin biology in cytotoxic lymphocytes. *Journal of Leukocyte Biology*, **2013**, 93, 307-15	6.5	27

32	Pregnancy promotes tolerance to future offspring by programming selective dysfunction in long-lived maternal T cells. *Journal of Leukocyte Biology*, **2017**, 101, 975-987	6.5	26
31	The PD-1 Pathway Regulates Development and Function of Memory CD8 T Cells following Respiratory Viral Infection. *Cell Reports*, **2020**, 31, 107827	10.6	26
30	Elevated Expression of CD160 and 2B4 Defines a Cytolytic HIV-Specific CD8+ T-Cell Population in Elite Controllers. *Journal of Infectious Diseases*, **2015**, 212, 1376-86	7	25
29	CD4 T Cell Differentiation in Chronic Viral Infections: The Tfh Perspective. *Trends in Molecular Medicine*, **2017**, 23, 1072-1087	11.5	25
28	Diminished primary CD8 T cell response to viral infection during protein energy malnutrition in mice is due to changes in microenvironment and low numbers of viral-specific CD8 T cell precursors. *Journal of Nutrition*, **2008**, 138, 806-12	4.1	25
27	Not-so-great expectations: re-assessing the essence of T-cell memory. *Immunological Reviews*, **2006** , 211, 203-13	11.3	23
26	mRNA Vaccination Induces Durable Immune Memory to SARS-CoV-2 with Continued Evolution to Variants of Concern **2021**,		23
25	De-Risking Immunotherapy: Report of a Consensus Workshop of the Cancer Immunotherapy Consortium of the Cancer Research Institute. *Cancer Immunology Research*, **2016**, 4, 279-88	12.5	22
24	Optimized retroviral transduction of mouse T cells for in vivo assessment of gene function. *Nature Protocols*, **2017**, 12, 1980-1998	18.8	21
23	In vivo CD8 T cell CRISPR screening reveals control by Fli1 in infection and cancer. *Cell*, **2021**, 184, 1262-1280.e22	36.2	21
22	Epigenetic scarring of exhausted T cells hinders memory differentiation upon eliminating chronic antigenic stimulation. *Nature Immunology*, **2021**, 22, 1008-1019	19.1	21
21	Enhanced T cell function in a mouse model of human glycosylation. *Journal of Immunology*, **2013**, 191, 228-37	5.3	18
20	Loss of tonic T-cell receptor signals alters the generation but not the persistence of CD8+ memory T cells. *Blood*, **2010**, 116, 5560-70	2.2	18
19	Rapid induction of antigen-specific CD4+ T cells guides coordinated humoral and cellular immune responses to SARS-CoV-2 mRNA vaccination		15
18	Inhibitory signaling sustains a distinct early memory CD8 T cell precursor that is resistant to DNA damage. *Science Immunology*, **2021**, 6,	28	14
17	Role of nuclear localization in the regulation and function of T-bet and Eomes in exhausted CD8 T cells. *Cell Reports*, **2021**, 35, 109120	10.6	13
16	Deep Immune Profiling of MIS-C demonstrates marked but transient immune activation compared to adult and pediatric COVID-19 **2020**,		12
15	TCF-1 flips the switch on Eomes. *Immunity*, **2010**, 33, 145-7	32.3	8

14	Trib1 regulates T cell differentiation during chronic infection by restraining the effector program. *Journal of Experimental Medicine*, **2020**, 217,	16.6	8
13	CD8+ T cell exhaustion during persistent viral infection is regulated independently of the virus-specific T cell receptor. *Immunological Investigations*, **2013**, 42, 204-20	2.9	7
12	Adaptive Immunity **2016**, 57-69		6
11	A Cre-driven allele-conditioning line to interrogate CD4 conventional T cells. *Immunity*, **2021**, 54, 2209-2217.e6	32.3	4
10	Combining Radiation with Immunotherapy: The University of Pennsylvania Experience. *Seminars in Radiation Oncology*, **2020**, 30, 173-180	5.5	3
9	Memory T-Cell Heterogeneity and Terminology. *Cold Spring Harbor Perspectives in Biology*, **2021**, 13,	10.2	3
8	NFAT-dependent and -independent exhaustion circuits program maternal CD8 T cell hypofunction in pregnancy. *Journal of Experimental Medicine*, **2022**, 219,	16.6	2
7	In vivo CRISPR screening identifies Fli1 as a transcriptional safeguard that restrains effector CD8 T cell differentiation during infection and cancer		1
6	Chronic viral infection promotes early germinal center exit of B cells and impaired antibody development		1
5	Divergent clonal differentiation trajectories of T cell exhaustion		1
4	Human epigenetic and transcriptional T cell differentiation atlas for identifying functional T cell-specific enhancers.. *Immunity*, **2022**, 55, 557-574.e7	32.3	0
3	MicroRNA-29a attenuates CD8 T cell exhaustion and induces memory-like CD8 T cells during chronic infection.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2106083119	11.5	0
2	Examining age-related function and phenotype of influenza-specific CD8+T cells in humans. *FASEB Journal*, **2008**, 22, 857.15	0.9	
1	Immune Responses to Persistent Viruses255-267		