Casey T Weaver

List of Publications by Citations

131 papers	22,537 citations	61 h-index	150 g-index
150 ext. papers	24,980 ext. citations	15.9 avg, IF	6.72 L-index

#	Paper	IF	Citations
131	Interleukin 17-producing CD4+ effector T cells develop via a lineage distinct from the T helper type 1 and 2 lineages. *Nature Immunology*, **2005**, 6, 1123-32	19.1	3636
130	Transforming growth factor-beta induces development of the T(H)17 lineage. *Nature*, **2006**, 441, 231-4	50.4	2728
129	IL-17 family cytokines and the expanding diversity of effector T cell lineages. *Annual Review of Immunology*, **2007**, 25, 821-52	34.7	1517
128	Th17: an effector CD4 T cell lineage with regulatory T cell ties. *Immunity*, **2006**, 24, 677-688	32.3	1149
127	Reciprocal interactions of the intestinal microbiota and immune system. *Nature*, **2012**, 489, 231-41	50.4	982
126	Late developmental plasticity in the T helper 17 lineage. *Immunity*, **2009**, 30, 92-107	32.3	807
125	Th17 cells transdifferentiate into regulatory T cells during resolution of inflammation. *Nature*, **2015**, 523, 221-5	50.4	505
124	Expanding the effector CD4 T-cell repertoire: the Th17 lineage. *Current Opinion in Immunology*, **2006**, 18, 349-56	7.8	479
123	Regulatory T cells expressing interleukin 10 develop from Foxp3+ and Foxp3- precursor cells in the absence of interleukin 10. *Nature Immunology*, **2007**, 8, 931-41	19.1	453
122	The AP-1 transcription factor Batf controls T(H)17 differentiation. *Nature*, **2009**, 460, 405-9	50.4	435
121	Experimental models of inflammatory bowel disease reveal innate, adaptive, and regulatory mechanisms of host dialogue with the microbiota. *Immunological Reviews*, **2005**, 206, 260-76	11.3	404
120	Monoclonal anti-interleukin 23 reverses active colitis in a T cell-mediated model in mice. *Gastroenterology*, **2007**, 132, 2359-70	13.3	371
119	Developmental plasticity of Th17 and Treg cells. *Current Opinion in Immunology*, **2009**, 21, 274-80	7.8	326
118	Th22 cells are an important source of IL-22 for host protection against enteropathogenic bacteria. *Immunity*, **2012**, 37, 1061-75	32.3	310
117	Interplay between the TH17 and TReg cell lineages: a (co-)evolutionary perspective. *Nature Reviews Immunology*, **2009**, 9, 883-9	36.5	307
116	The Th17 pathway and inflammatory diseases of the intestines, lungs, and skin. *Annual Review of Pathology: Mechanisms of Disease*, **2013**, 8, 477-512	34	293
115	IL-9 as a mediator of Th17-driven inflammatory disease. *Journal of Experimental Medicine*, **2009**, 206, 1653-60	16.6	281

114	Natural killer cell activation enhances immune pathology and promotes chronic infection by limiting CD8+ T-cell immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 1210-5	11.5	241
113	IL-22-producing neutrophils contribute to antimicrobial defense and restitution of colonic epithelial integrity during colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12768-73	11.5	240
112	Diversity in the contribution of interleukin-10 to T-cell-mediated immune regulation. *Immunological Reviews*, **2008**, 226, 219-33	11.3	225
111	Th17 cells give rise to Th1 cells that are required for the pathogenesis of colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7061-6	11.5	219
110	Epigenetic instability of cytokine and transcription factor gene loci underlies plasticity of the T helper 17 cell lineage. *Immunity*, **2010**, 32, 616-27	32.3	219
109	Adenomatous polyps are driven by microbe-instigated focal inflammation and are controlled by IL-10-producing T cells. *Cancer Research*, **2013**, 73, 5905-13	10.1	200
108	Memory CD4 T cells emerge from effector T-cell progenitors. *Nature*, **2008**, 452, 356-60	50.4	197
107	PD-L1hi B cells are critical regulators of humoral immunity. *Nature Communications*, **2015**, 6, 5997	17.4	187
106	The Th17 family: flexibility follows function. *Immunological Reviews*, **2013**, 252, 89-103	11.3	181
105	Regulatory T cell suppression and anergy are differentially regulated by proinflammatory cytokines produced by TLR-activated dendritic cells. *Journal of Immunology*, **2004**, 173, 7249-58	5.3	177
104	Bacterial-reactive T regulatory cells inhibit pathogenic immune responses to the enteric flora. *Journal of Immunology*, **2002**, 169, 6112-9	5.3	177
103	Antiapoptotic Mcl-1 is critical for the survival and niche-filling capacity of Foxp3+ regulatory T cells. *Nature Immunology*, **2013**, 14, 959-65	19.1	172
102	TGF-beta promotes Th17 cell development through inhibition of SOCS3. *Journal of Immunology*, **2009**, 183, 97-105	5.3	166
101	Lineage-specific effects of 1,25-dihydroxyvitamin D(3) on the development of effector CD4 T cells. *Journal of Biological Chemistry*, **2011**, 286, 997-1004	5.4	163
100	The transcription factors T-bet and Runx are required for the ontogeny of pathogenic interferon-producing T helper 17 cells. *Immunity*, **2014**, 40, 355-66	32.3	144
99	Intestinal effector T cells in health and disease. *Immunity*, **2009**, 31, 389-400	32.3	144
98	Neutrophils produce interleukin 17A (IL-17A) in a dectin-1- and IL-23-dependent manner during invasive fungal infection. *Infection and Immunity*, **2011**, 79, 3966-77	3.7	140
97	A distal conserved sequence element controls Ifng gene expression by T cells and NK cells. *Immunity*, **2006**, 25, 717-29	32.3	139

96	Skin-resident memory CD4+ T cells enhance protection against Leishmania major infection. *Journal of Experimental Medicine*, **2015**, 212, 1405-14	16.6	137
95	The genetics of inflammatory bowel disease. *Gastroenterology*, **2007**, 133, 1327-39	13.3	137
94	T cells recognize a microbial encoded B cell antigen to initiate a rapid antigen-specific interleukin-17 response. *Immunity*, **2012**, 37, 524-34	32.3	133
93	Th17 cells mediate clade-specific, serotype-independent mucosal immunity. *Immunity*, **2011**, 35, 997-1009	32.3	131
92	Regulatory B10 cells differentiate into antibody-secreting cells after transient IL-10 production in vivo. *Journal of Immunology*, **2012**, 188, 1036-48	5.3	130
91	Preferential accumulation of antigen-specific effector CD4 T cells at an antigen injection site involves CD62E-dependent migration but not local proliferation. *Journal of Experimental Medicine*, **2003**, 197, 751-62	16.6	127
90	T helper 1 and T helper 2 cells are pathogenic in an antigen-specific model of colitis. *Journal of Experimental Medicine*, **2002**, 195, 71-84	16.6	125
89	IL-1 signaling modulates activation of STAT transcription factors to antagonize retinoic acid signaling and control the TH17 cell-iTreg cell balance. *Nature Immunology*, **2015**, 16, 286-95	19.1	116
88	Interleukin-12 converts Foxp3+ regulatory T cells to interferon- producing Foxp3+ T cells that inhibit colitis. *Gastroenterology*, **2011**, 140, 2031-43	13.3	113
87	Notch simultaneously orchestrates multiple helper T cell programs independently of cytokine signals. *Immunity*, **2013**, 39, 148-59	32.3	112
86	Peritoneal cavity regulatory B cells (B10 cells) modulate IFN- CD4+ T cell numbers during colitis development in mice. *Journal of Immunology*, **2013**, 191, 2780-2795	5.3	110
85	Differential IL-2 expression defines developmental fates of follicular versus nonfollicular helper T cells. *Science*, **2018**, 361,	33.3	107
84	Dectin-1-dependent interleukin-22 contributes to early innate lung defense against Aspergillus fumigatus. *Infection and Immunity*, **2012**, 80, 410-7	3.7	104
83	Emergence of the Th17 pathway and its role in host defense. *Advances in Immunology*, **2008**, 99, 115-63	5.6	104
82	Noninvasive bioluminescence imaging in small animals. *ILAR Journal*, **2008**, 49, 103-15	1.7	101
81	The glucan receptor dectin-1 promotes lung immunopathology during fungal allergy via IL-22. *Journal of Immunology*, **2012**, 189, 3653-60	5.3	100
80	Interleukin-2 expression by a subpopulation of primary T cells is linked to enhanced memory/effector function. *Immunity*, **1999**, 11, 271-80	32.3	89
79	Contrasting roles for all-trans retinoic acid in TGF-beta-mediated induction of Foxp3 and Il10 genes in developing regulatory T cells. *Journal of Experimental Medicine*, **2009**, 206, 343-57	16.6	86

78	B cell-derived IL-10 does not regulate spontaneous systemic autoimmunity in MRL.Fas(lpr) mice. *Journal of Immunology*, **2012**, 188, 678-85	5.3	78
77	Delayed lupus onset in (NZB x NZW)F1 mice expressing a human C-reactive protein transgene. *Arthritis and Rheumatism*, **2003**, 48, 1602-11		78
76	Colitis induced by enteric bacterial antigen-specific CD4+ T cells requires CD40-CD40 ligand interactions for a sustained increase in mucosal IL-12. *Journal of Immunology*, **2000**, 165, 2173-82	5.3	78
75	Autoimmunity: increasing suspects in the CD4+ T cell lineup. *Nature Immunology*, **2010**, 11, 36-40	19.1	75
74	IL-6 promotes the differentiation of a subset of naive CD8+ T cells into IL-21-producing B helper CD8+ T cells. *Journal of Experimental Medicine*, **2016**, 213, 2281-2291	16.6	66
73	IL-2 coordinates IL-2-producing and regulatory T cell interplay. *Journal of Experimental Medicine*, **2013**, 210, 2707-20	16.6	64
72	T Cell-Derived IL-10 Impairs Host Resistance to Infection. *Journal of Immunology*, **2017**, 199, 613-623	5.3	62
71	Chronic viral infection promotes sustained Th1-derived immunoregulatory IL-10 via BLIMP-1. *Journal of Clinical Investigation*, **2014**, 124, 3455-68	15.9	62
70	Preventing dysbiosis of the neonatal mouse intestinal microbiome protects against late-onset sepsis. *Nature Medicine*, **2019**, 25, 1772-1782	50.5	59
69	Inhibition of System Xc(-) Transporter Attenuates Autoimmune Inflammatory Demyelination. *Journal of Immunology*, **2015**, 195, 450-463	5.3	56
68	Modular utilization of distal cis-regulatory elements controls Ifng gene expression in T cells activated by distinct stimuli. *Immunity*, **2010**, 33, 35-47	32.3	56
67	Effector T17 Cells Give Rise to Long-Lived T Cells that Are Essential for an Immediate Response against Bacterial Infection. *Cell*, **2019**, 178, 1176-1188.e15	56.2	54
66	Bhlhe40 is an essential repressor of IL-10 during infection. *Journal of Experimental Medicine*, **2018**, 215, 1823-1838	16.6	53
65	Developmental regulation of Th17-cell capacity in human neonates. *European Journal of Immunology*, **2012**, 42, 311-9	6.1	52
64	IFN-gamma-inducible chemokines enhance adaptive immunity and colitis. *Journal of Interferon and Cytokine Research*, **2003**, 23, 591-600	3.5	51
63	Restricted clonal expression of IL-2 by naive T cells reflects differential dynamic interactions with dendritic cells. *Journal of Experimental Medicine*, **2003**, 198, 123-32	16.6	45
62	Regulation of the Ifng locus in the context of T-lineage specification and plasticity. *Immunological Reviews*, **2010**, 238, 216-32	11.3	43
61	Role of TLR2-dependent IL-10 production in the inhibition of the initial IFN-γ T cell response to Porphyromonas gingivalis. *Journal of Leukocyte Biology*, **2013**, 93, 21-31	6.5	40

60	Generation of antigen-specific, Foxp3-expressing CD4+ regulatory T cells by inhibition of APC proteosome function. *Journal of Immunology*, **2005**, 174, 2787-95	5.3	40
59	Development and survival of Th17 cells within the intestines: the influence of microbiome- and diet-derived signals. *Journal of Immunology*, **2014**, 193, 4769-77	5.3	39
58	Immuno-bacterial homeostasis in the gut: new insights into an old enigma. *Seminars in Immunology*, **2001**, 13, 187-94	10.7	39
57	Unexpected characteristics of the IFN-gamma reporters in nontransformed T cells. *Journal of Immunology*, **2001**, 167, 855-65	5.3	37
56	Linking vitamin d deficiency to inflammatory bowel disease. *Inflammatory Bowel Diseases*, **2013**, 19, 2245-56	4.5	36
55	Cytomegalovirus-Specific IL-10-Producing CD4+ T Cells Are Governed by Type-I IFN-Induced IL-27 and Promote Virus Persistence. *PLoS Pathogens*, **2016**, 12, e1006050	7.6	35
54	P-selectin can support both Th1 and Th2 lymphocyte rolling in the intestinal microvasculature. *American Journal of Pathology*, **2005**, 167, 1647-60	5.8	33
53	Immunology. T-bet or not T-bet. *Science*, **2003**, 302, 993-4	33.3	29
52	Insulin-Like Growth Factors Are Key Regulators of T Helper 17 Regulatory T Cell Balance in Autoimmunity. *Immunity*, **2020**, 52, 650-667.e10	32.3	29
51	T-cell Expression of IL10 Is Essential for Tumor Immune Surveillance in the Small Intestine. *Cancer Immunology Research*, **2015**, 3, 806-14	12.5	28
50	Batf Pioneers the Reorganization of Chromatin in Developing Effector T Cells via Ets1-Dependent Recruitment of Ctcf. *Cell Reports*, **2019**, 29, 1203-1220.e7	10.6	28
49	T17 cells require ongoing classic IL-6 receptor signaling to retain transcriptional and functional identity. *Science Immunology*, **2020**, 5,	28	28
48	Ligation of TLR7 on CD19(+) CD1d(hi) B cells suppresses allergic lung inflammation via regulatory T cells. *European Journal of Immunology*, **2015**, 45, 1842-54	6.1	27
47	Pronounced virus-dependent activation drives exhaustion but sustains IFN- transcript levels. *Journal of Immunology*, **2010**, 185, 3643-51	5.3	27
46	In situ hybridization for cytokine mRNA with digoxigenin-labeled riboprobes. Sensitivity of detection and double label applications. *Journal of Immunological Methods*, **1995**, 182, 93-106	2.5	26
45	IL-1R signaling promotes STAT3 and NF- factor recruitment to distal -regulatory elements that regulate transcription. *Journal of Biological Chemistry*, **2018**, 293, 15790-15800	5.4	25
44	T-cell subsets: the more the merrier. *Current Biology*, **2007**, 17, R61-3	6.3	25
43	Effector and suppressor roles for LFA-1 during the development of experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, **2009**, 206, 22-7	3.5	24

42	A colitogenic memory CD4+ T cell population mediates gastrointestinal graft-versus-host disease. *Journal of Clinical Investigation*, **2016**, 126, 3541-55	15.9	24
41	Th17: The ascent of a new effector T-cell subset. Preface. *European Journal of Immunology*, **2009**, 39, 634-6	6.1	23
40	Single-cell analyses of CD4+ T cells from alpha beta T cell receptor-transgenic mice: a distinct mucosal cytokine phenotype in the absence of transgene-specific antigen. *European Journal of Immunology*, **1997**, 27, 1774-81	6.1	23
39	Imaging CD8+ T cell dynamics in vivo using a transgenic luciferase reporter. *International Immunology*, **2007**, 19, 1165-73	4.9	22
38	Both Th1 and Th2 cells require P-selectin glycoprotein ligand-1 for optimal rolling on inflamed endothelium. *American Journal of Pathology*, **2005**, 167, 1661-75	5.8	22
37	Bioluminescence-based visualization of CD4 T cell dynamics using a T lineage-specific luciferase transgenic model. *BMC Immunology*, **2009**, 10, 44	3.7	21
36	Antigen and lipopolysaccharide play synergistic roles in the effector phase of airway inflammation in mice. *American Journal of Pathology*, **2006**, 168, 1425-34	5.8	21
35	Oral-antigen delivery by way of a multiple emulsion system enhances oral tolerance. *Annals of the New York Academy of Sciences*, **1996**, 778, 156-62	6.5	21
34	Deletion of a conserved cis-element in the Ifng locus highlights the role of acute histone acetylation in modulating inducible gene transcription. *PLoS Genetics*, **2014**, 10, e1003969	6	20
33	Efficient adenovirus-mediated gene transfer into primary T cells and thymocytes in a new coxsackie/adenovirus receptor transgenic model. *BMC Immunology*, **2002**, 3, 4	3.7	20
32	Stem-cell-like qualities of immune memory; CD4+ T cells join the party. *Cell Stem Cell*, **2012**, 10, 107-8	18	19
31	Heterogeneity in the clonal T cell response. Implications for models of T cell activation and cytokine phenotype development. *Immunologic Research*, **1998**, 17, 279-302	4.3	18
30	Colonization potential to reconstitute a microbe community in patients detected early after fecal microbe transplant for recurrent C. difficile. *BMC Microbiology*, **2016**, 16, 5	4.5	16
29	New developments in experimental models of inflammatory bowel disease. *Current Opinion in Gastroenterology*, **2004**, 20, 360-7	3	16
28	Reduction of AMPA receptor activity on mature oligodendrocytes attenuates loss of myelinated axons in autoimmune neuroinflammation. *Science Advances*, **2020**, 6, eaax5936	14.3	16
27	Regional differences in L-selectin expression in murine intestinal lymphocytes. *Gastroenterology*, **1998**, 114, 965-74	13.3	15
26	Retinoic acid hypersensitivity promotes peripheral tolerance in recent thymic emigrants. *Journal of Immunology*, **2013**, 190, 2603-13	5.3	13
25	Regulation of Effector Treg Cells in Murine Lupus. *Arthritis and Rheumatology*, **2016**, 68, 1454-66	9.5	12

24	IL-4 induces a suppressive IL-10-producing CD8+ T cell population via a Cdkn2a-dependent mechanism. *Journal of Leukocyte Biology*, **2013**, 94, 1103-12	6.5	12
23	IRF4-Dependent and IRF4-Independent Pathways Contribute to DC Dysfunction in Lupus. *PLoS ONE* , **2015**, 10, e0141927	3.7	12
22	T cells of staphylococcal enterotoxin B-tolerized autoimmune MRL-lpr/lpr mice require co-stimulation through the B7-CD28/CTLA-4 pathway for activation and can be reanergized in vivo by stimulation of the T cell receptor in the absence of this co-stimulatory signal. *European Journal of Immunology*, **1994**, 24, 1019-25	6.1	12
21	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. *Journal of Immunology*, **2017**, 199, 312-322	5.3	11
20	MMP induced by Gr-1+ cells are crucial for recruitment of Th cells into the airways. *European Journal of Immunology*, **2009**, 39, 2281-92	6.1	10
19	Gene delivery into primary T cells: overview and characterization of a transgenic model for efficient adenoviral transduction. *Immunologic Research*, **2002**, 26, 131-41	4.3	10
18	Bone marrow Tregs mediate stromal cell function and support hematopoiesis via IL-10. *JCI Insight*, **2020**, 5,	9.9	10
17	CAR directs T cell adaptation to bile acids in the small intestine. *Nature*, **2021**, 593, 147-151	50.4	10
16	Allogeneic Th1 cells home to host bone marrow and spleen and mediate IFN‐dependent aplasia. *Biology of Blood and Marrow Transplantation*, **2013**, 19, 876-87	4.7	9
15	Duality in the Th17-Treg developmental decision. *F1000 Biology Reports*, **2009**, 1, 5		9
14	Host interleukin 6 production regulates inflammation but not tryptophan metabolism in the brain during murine GVHD. *JCI Insight*, **2017**, 2,	9.9	8
13	Development of dermatitis in CD18-deficient PL/J mice is not dependent on bacterial flora, and requires both CD4+ and CD8+ T lymphocytes. *International Immunology*, **2004**, 16, 345-51	4.9	7
12	Dwelling on T cell fate decisions. *Cell*, **2013**, 153, 739-41	56.2	6
11	Trigger-dependent differences determine therapeutic outcome in murine primary hemophagocytic lymphohistiocytosis. *European Journal of Immunology*, **2020**, 50, 1770-1782	6.1	4
10	Natural Tr1-like cells do not confer long-term tolerogenic memory. *ELife*, **2019**, 8,	8.9	4
9	One road to the T17 pathway: how T1 led to T17 (and vice versa), and first came last. *Nature Immunology*, **2020**, 21, 819-821	19.1	3
8	Determining Immune System Suppression versus CNS Protection for Pharmacological Interventions in Autoimmune Demyelination. *Journal of Visualized Experiments*, **2016**,	1.6	3
7	A nonredundant role for T‐cell-derived interleukin 22 in antibacterial defense of colonic crypts.. *Immunity*, **2022**, 55, 494-511.e11	32.3	3

6	Daughters Tolerance of Mom Matters in Mate Choice. *Cell*, **2015**, 162, 467-9	56.2	2
5	Effector CD4+ T Cells in the Intestines **2015**, 721-732		1
4	Intrinsic IL-2 production by effector CD8 T cells affects IL-2 signaling and promotes fate decisions, stemness, and protection.. *Science Immunology*, **2022**, 7, eabl6322	28	0
3	Experimental mouse models of inflammatory bowel disease: new insights into pathogenic mechanisms **2003**, 67-99		
2	Disease Induction and Prevention in Experimental Models of Inflammatory Bowel Disease **2005**, 1237-1254		
1	Alterations of T lymphocytes in inflammatory bowel diseases. *Advances in Experimental Medicine and Biology*, **2006**, 579, 133-48	3.6	