Susan L Swain

List of Publications by Year
in descending order

72 papers	8,042 citations	71102 41 h-index	85541 71 g-index
76 all docs	76 docs citations	76 times ranked	10082 citing authors

#	Article	IF	Citations
1	IL-23 and IL-17 in the establishment of protective pulmonary CD4+ T cell responses after vaccination and during Mycobacterium tuberculosis challenge. Nature Immunology, 2007, 8, 369-377.	14.5	1,253
2	Expanding roles for CD4+ T cells in immunity to viruses. Nature Reviews Immunology, 2012, 12, 136-148.	22.7	691
3	Tc17, a Unique Subset of CD8 T Cells That Can Protect against Lethal Influenza Challenge. Journal of Immunology, 2009, 182, 3469-3481.	0.8	315
4	CD4 Effector T Cell Subsets in the Response to Influenza. Journal of Experimental Medicine, 2002, 196, 957-968.	8.5	301
5	IL-7 Promotes the Transition of CD4 Effectors to Persistent Memory Cells. Journal of Experimental Medicine, 2003, 198, 1807-1815.	8.5	286
6	IL-10 Deficiency Unleashes an Influenza-Specific Th17 Response and Enhances Survival against High-Dose Challenge. Journal of Immunology, 2009, 182, 7353-7363.	0.8	257
7	CD4 T Cell-Mediated Protection from Lethal Influenza: Perforin and Antibody-Mediated Mechanisms Give a One-Two Punch. Journal of Immunology, 2006, 177, 2888-2898.	0.8	254
8	Interleukin 2, but Not Other Common Î³ Chainâ€"Binding Cytokines, Can Reverse the Defect in Generation of Cd4 Effector T Cells from Naive T Cells of Aged Mice. Journal of Experimental Medicine, 1999, 190, 1013-1024.	8.5	245
9	CD4 T cell memory derived from young naive cells functions well into old age, but memory generated from aged naive cells functions poorly. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15053-15058.	7.1	241
10	Unexpected prolonged presentation of influenza antigens promotes CD4 T cell memory generation. Journal of Experimental Medicine, 2005, 202, 697-706.	8.5	226
11	Multifunctional CD4 Cells Expressing Gamma Interferon and Perforin Mediate Protection against Lethal Influenza Virus Infection. Journal of Virology, 2012, 86, 6792-6803.	3.4	214
12	Memory CD4+ T cells protect against influenza through multiple synergizing mechanisms. Journal of Clinical Investigation, 2012, 122, 2847-2856.	8.2	195
13	Inflammatory Cytokines Overcome Age-Related Defects in CD4 T Cell Responses In Vivo. Journal of Immunology, 2004, 172, 5194-5199.	0.8	165
14	Why Aging T Cells Fail: Implications for Vaccination. Immunity, 2006, 24, 663-666.	14.3	161
15	CD4 + Tâ€cell memory: generation and multiâ€faceted roles for CD4 + T cells in protective immunity to influenza. Immunological Reviews, 2006, 211, 8-22.	6.0	154
16	Memory CD4+ T cells induce innate responses independently of pathogen. Nature Medicine, 2010, 16, 558-564.	30.7	153
17	Cytotoxic CD4 T Cells in Antiviral Immunity. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	152
18	Two Distinct Stages in the Transition from Naive CD4 T Cells to Effectors, Early Antigen-Dependent and Late Cytokine-Driven Expansion and Differentiation. Journal of Immunology, 2000, 165, 5017-5026.	0.8	132

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19	Age-associated increase in lifespan of naÃ¯ve CD4 T cells contributes to T-cell homeostasis but facilitates development of functional defects. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18333-18338.	7.1	127
20	Priming with Cold-Adapted Influenza A Does Not Prevent Infection but Elicits Long-Lived Protection against Supralethal Challenge with Heterosubtypic Virus. Journal of Immunology, 2007, 178, 1030-1038.	0.8	125
21	T-Cell Immunity to Influenza in Older Adults: A Pathophysiological Framework for Development of More Effective Vaccines. Frontiers in Immunology, 2016, 7, 41.	4.8	124
22	Effector CD4 T-cell transition to memory requires late cognate interactions that induce autocrine IL-2. Nature Communications, 2014, 5, 5377.	12.8	118
23	PSGL-1 Is an Immune Checkpoint Regulator that Promotes T Cell Exhaustion. Immunity, 2016, 44, 1190-1203.	14.3	116
24	Newly generated CD4 T cells in aged animals do not exhibit age-related defects in response to antigen. Journal of Experimental Medicine, 2005, 201, 845-851.	8.5	99
25	IL-2 and antigen dose differentially regulate perforin- and FasL-mediated cytolytic activity in antigen specific CD4+ T cells. Cellular Immunology, 2009, 257, 69-79.	3.0	99
26	Graded Levels of IRF4 Regulate CD8+ T Cell Differentiation and Expansion, but Not Attrition, in Response to Acute Virus Infection. Journal of Immunology, 2014, 192, 5881-5893.	0.8	99
27	Repeated stimulation of CD4 effector T cells can limit their protective function. Journal of Experimental Medicine, 2005, 201, 1101-1112.	8.5	88
28	Rapid default transition of CD4 T cell effectors to functional memory cells. Journal of Experimental Medicine, 2007, 204, 2199-2211.	8.5	88
29	Multiple Redundant Effector Mechanisms of CD8+ T Cells Protect against Influenza Infection. Journal of Immunology, 2013, 190, 296-306.	0.8	83
30	IL-6-mediated environmental conditioning of defective Th1 differentiation dampens antitumour immune responses in old age. Nature Communications, 2015, 6, 6702.	12.8	79
31	Multipronged <scp>CD</scp>4⁺ Tâ€cell effector and memory responses cooperate to provide potent immunity against respiratory virus. Immunological Reviews, 2013, 255, 149-164.	6.0	76
32	Uneven distribution of MHC class II epitopes within the influenza virus. Vaccine, 2006, 24, 457-467.	3.8	75
33	Memory CD4⁺T-cellâ€“mediated protection depends on secondary effectors that are distinct from and superior to primary effectors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2551-60.	7.1	73
34	SAP Is Required for Th Cell Function and for Immunity to Influenza. Journal of Immunology, 2006, 177, 5317-5327.	0.8	67
35	Regulation of CD4⁺ Tâ€cell contraction during pathogen challenge. Immunological Reviews, 2010, 236, 110-124.	6.0	67
36	Interleukin 27R regulates CD4+ T cell phenotype and impacts protective immunity during <i>Mycobacterium tuberculosis</i> infection. Journal of Experimental Medicine, 2015, 212, 1449-1463.	8.5	66

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37	Accumulation of NFAT mediates IL-2 expression in memory, but not naive, CD4+ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7175-7180.	7.1	57
38	Aged-related shifts in T cell homeostasis lead to intrinsic T cell defects. Seminars in Immunology, 2012, 24, 350-355.	5.6	55
39	NKG2C/E Marks the Unique Cytotoxic CD4 T Cell Subset, ThCTL, Generated by Influenza Infection. Journal of Immunology, 2017, 198, 1142-1155.	0.8	53
40	Bim Dictates Naive CD4 T Cell Lifespan and the Development of Age-Associated Functional Defects. Journal of Immunology, 2010, 185, 4535-4544.	0.8	51
41	IL-6 Production by TLR-Activated APC Broadly Enhances Aged Cognate CD4 Helper and B Cell Antibody Responses In Vivo. Journal of Immunology, 2017, 198, 2819-2833.	0.8	50
42	TLR-Activated Dendritic Cells Enhance the Response of Aged Naive CD4 T Cells via an IL-6â€"Dependent Mechanism. Journal of Immunology, 2010, 185, 6783-6794.	0.8	48
43	Bone Marrow Precursor Cells from Aged Mice Generate CD4 T Cells That Function Well in Primary and Memory Responses. Journal of Immunology, 2008, 181, 4825-4831.	0.8	42
44	CD4 T cell defects in the aged: Causes, consequences and strategies to circumvent. Experimental Gerontology, 2014, 54, 67-70.	2.8	42
45	New Insights into the Generation of CD4 Memory May Shape Future Vaccine Strategies for Influenza. Frontiers in Immunology, 2016, 7, 136.	4.8	42
46	IL-21 Promotes Pulmonary Fibrosis through the Induction of Profibrotic CD8+ T Cells. Journal of Immunology, 2015, 195, 5251-5260.	0.8	40
47	The effector to memory transition of CD4 T cells. Immunologic Research, 2008, 40, 114-127.	2.9	37
48	SAP Enables T Cells to Help B Cells by a Mechanism Distinct from Th Cell Programming or CD40 Ligand Regulation. Journal of Immunology, 2008, 181, 3994-4003.	0.8	37
49	Location, Location, Location: The Impact of Migratory Heterogeneity on T Cell Function. Frontiers in Immunology, 2013, 4, 311.	4.8	35
50	Short-Lived Antigen Recognition but Not Viral Infection at a Defined Checkpoint Programs Effector CD4 T Cells To Become Protective Memory. Journal of Immunology, 2016, 197, 3936-3949.	0.8	35
51	Effect of age on naive CD4 responses: impact on effector generation and memory development. Seminars in Immunopathology, 2002, 24, 53-60.	4.0	33
52	Memory CD4 T cell-derived IL-2 synergizes with viral infection to exacerbate lung inflammation. PLoS Pathogens, 2019, 15, e1007989.	4.7	32
53	Impact of Post-Thymic Cellular Longevity on the Development of Age-Associated CD4+ T Cell Defects. Journal of Immunology, 2008, 180, 4465-4475.	0.8	30
54	Memory CD4 T Cell-Mediated Immunity against Influenza A Virus: More than a Little Helpful. Archivum Immunologiae Et Therapiae Experimentalis, 2013, 61, 341-353.	2.3	30

#	Article	IF	Citations
55	Unique Ability of Activated CD4+ T Cells but Not Rested Effectors to Migrate to Non-lymphoid Sites in the Absence of Inflammation. Journal of Biological Chemistry, 2007, 282, 6106-6115.	3.4	29
56	Control of Innate Immunity by Memory CD4 T Cells. Advances in Experimental Medicine and Biology, 2011, 780, 57-68.	1.6	27
57	IL-2 and IL-6 cooperate to enhance the generation of influenza-specific CD8 T cells responding to live influenza virus in aged mice and humans. Oncotarget, 2016, 7, 39171-39183.	1.8	24
58	The properties of the unique age-associated B cell subset reveal a shift in strategy of immune response with age. Cellular Immunology, 2017, 321, 52-60.	3.0	22
59	Direct IL-6 Signals Maximize Protective Secondary CD4 T Cell Responses against Influenza. Journal of Immunology, 2016, 197, 3260-3270.	0.8	16
60	Original Antigenic Sin: Friend or Foe in Developing a Broadly Cross-Reactive Vaccine to Influenza?. Cell Host and Microbe, 2019, 25, 354-355.	11.0	15
61	Pathogen Recognition by CD4 Effectors Drives Key Effector and Most Memory Cell Generation Against Respiratory Virus. Frontiers in Immunology, 2018, 9, 596.	4.8	13
62	Intraepithelial T-Cell Cytotoxicity, Induced Bronchus-Associated Lymphoid Tissue, and Proliferation of Pneumocytes in Experimental Mouse Models of Influenza. Viral Immunology, 2014, 27, 484-496.	1.3	12
63	Influenza Vaccineâ€"Induced CD4 Effectors Require Antigen Recognition at an Effector Checkpoint to Generate CD4 Lung Memory and Antibody Production. Journal of Immunology, 2020, 205, 2077-2090.	0.8	11
64	Strong influenza-induced T _{FH} generation requires CD4 effectors to recognize antigen locally and receive signals from continuing infection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
65	CD25-Targeted IL-2 Signals Promote Improved Outcomes of Influenza Infection and Boost Memory CD4 T Cell Formation. Journal of Immunology, 2020, 204, 3307-3314.	0.8	10
66	Durable CD4 T-Cell Memory Generation Depends on Persistence of High Levels of Infection at an Effector Checkpoint that Determines Multiple Fates. Cold Spring Harbor Perspectives in Biology, 2021, 13, a038182.	5.5	8
67	Immune senescence: new insights into defects but continued mystery of root causes. Current Opinion in Immunology, 2013, 25, 495-497.	5.5	7
68	Virus-induced natural killer cell lysis of T cell subsets. Virology, 2020, 539, 26-37.	2.4	6
69	Understanding the Heterogeneous Population of Age-Associated B Cells and Their Contributions to Autoimmunity and Immune Response to Pathogens. Critical Reviews in Immunology, 2020, 40, 297-309.	0.5	6
70	Bona Fide Th17 Cells without Th1 Functional Plasticity Protect against Influenza. Journal of Immunology, 2022, 208, 1998-2007.	0.8	5
71	â€œAn Intrinsic Program Determines Key Age-Associated Changes in Adaptive Immunity That Limit Response to Non-Pathogensâ€• Frontiers in Aging, 2021, 2, .	2.6	4
72	CD4 T Cell Immunity to Viral Infection. , 2016, , 291-299.		1