

Sarah L Gaffen

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129
papers

13,750
citations

57
h-index

117
g-index

240
ext. papers

15,888
ext. citations

9.8
avg, IF

7.13
L-index

#	Paper	IF	Citations
129	IL-23 and IL-17 in the establishment of protective pulmonary CD4+ T cell responses after vaccination and during Mycobacterium tuberculosis challenge. <i>Nature Immunology</i> , 2007 , 8, 369-77	19.1	1076
128	Structure and signalling in the IL-17 receptor family. <i>Nature Reviews Immunology</i> , 2009 , 9, 556-67	36.5	1028
127	The IL-23-IL-17 immune axis: from mechanisms to therapeutic testing. <i>Nature Reviews Immunology</i> , 2014 , 14, 585-600	36.5	951
126	Th17 cells and IL-17 receptor signaling are essential for mucosal host defense against oral candidiasis. <i>Journal of Experimental Medicine</i> , 2009 , 206, 299-311	16.6	756
125	Interleukin-17 and its target genes: mechanisms of interleukin-17 function in disease. <i>Immunology</i> , 2010 , 129, 311-21	7.8	618
124	The IL-17 Family of Cytokines in Health and Disease. <i>Immunity</i> , 2019 , 50, 892-906	32.3	368
123	1,25-dihydroxyvitamin D(3) ameliorates Th17 autoimmunity via transcriptional modulation of interleukin-17A. <i>Molecular and Cellular Biology</i> , 2011 , 31, 3653-69	4.8	331
122	IL-17 Signaling: The Yin and the Yang. <i>Trends in Immunology</i> , 2017 , 38, 310-322	14.4	293
121	Overview of interleukin-2 function, production and clinical applications. <i>Cytokine</i> , 2004 , 28, 109-23	4	292
120	Functional cooperation between interleukin-17 and tumor necrosis factor-alpha is mediated by CCAAT/enhancer-binding protein family members. <i>Journal of Biological Chemistry</i> , 2004 , 279, 2559-67	5.4	269
119	An essential role for IL-17 in preventing pathogen-initiated bone destruction: recruitment of neutrophils to inflamed bone requires IL-17 receptor-dependent signals. <i>Blood</i> , 2007 , 109, 3794-802	2.2	268
118	An overview of IL-17 function and signaling. <i>Cytokine</i> , 2008 , 43, 402-7	4	266
117	Th17 cells in immunity to <i>Candida albicans</i> . <i>Cell Host and Microbe</i> , 2012 , 11, 425-35	23.4	240
116	Interleukin-17 is required for T helper 1 cell immunity and host resistance to the intracellular pathogen <i>Francisella tularensis</i> . <i>Immunity</i> , 2009 , 31, 799-810	32.3	232
115	Identification of common transcriptional regulatory elements in interleukin-17 target genes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 24138-48	5.4	230
114	Cytokines link osteoblasts and inflammation: microarray analysis of interleukin-17- and TNF-alpha-induced genes in bone cells. <i>Journal of Leukocyte Biology</i> , 2005 , 77, 388-99	6.5	216
113	Recent advances in the IL-17 cytokine family. <i>Current Opinion in Immunology</i> , 2011 , 23, 613-9	7.8	211

112	CD4(+)CD25(+)Foxp3(+) regulatory T cells promote Th17 cells in vitro and enhance host resistance in mouse <i>Candida albicans</i> Th17 cell infection model. <i>Immunity</i> , 2011 , 34, 422-34	32.3	205
111	Structure-function relationships in the IL-17 receptor: implications for signal transduction and therapy. <i>Cytokine</i> , 2008 , 41, 92-104	4	199
110	JAK/STAT signaling by cytokine receptors. <i>Current Opinion in Immunology</i> , 1998 , 10, 271-8	7.8	197
109	CD3/CD28 costimulation-induced NF-kappaB activation is mediated by recruitment of protein kinase C-theta, Bcl10, and IkappaB kinase beta to the immunological synapse through CARMA1. <i>Molecular and Cellular Biology</i> , 2004 , 24, 164-71	4.8	186
108	Oral-resident natural Th17 cells and Γ cells control opportunistic <i>Candida albicans</i> infections. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2075-84	16.6	173
107	IL-17-Mediated Immunity to the Opportunistic Fungal Pathogen <i>Candida albicans</i> . <i>Journal of Immunology</i> , 2015 , 195, 780-8	5.3	172
106	Interleukin-17 regulates expression of the CXC chemokine LIX/CXCL5 in osteoblasts: implications for inflammation and neutrophil recruitment. <i>Journal of Leukocyte Biology</i> , 2004 , 76, 135-44	6.5	159
105	Signaling domains of the interleukin 2 receptor. <i>Cytokine</i> , 2001 , 14, 63-77	4	154
104	Interleukin 17 Family Cytokines: Signaling Mechanisms, Biological Activities, and Therapeutic Implications. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	149
103	The role of interleukin-17 in the pathogenesis of rheumatoid arthritis. <i>Current Rheumatology Reports</i> , 2009 , 11, 365-70	4.9	143
102	NADPH oxidase limits innate immune responses in the lungs in mice. <i>PLoS ONE</i> , 2010 , 5, e9631	3.7	141
101	Crucial role for nuclear factor of activated T cells in T cell receptor-mediated regulation of human interleukin-17. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52762-71	5.4	129
100	IL-17 in obesity and adipogenesis. <i>Cytokine and Growth Factor Reviews</i> , 2010 , 21, 449-53	17.9	118
99	IL-17 and the Th17 lineage in systemic lupus erythematosus. <i>Current Opinion in Rheumatology</i> , 2008 , 20, 519-25	5.3	115
98	Distinct functional motifs within the IL-17 receptor regulate signal transduction and target gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7506-11	11.5	115
97	Interleukin-17: a new paradigm in inflammation, autoimmunity, and therapy. <i>Journal of Periodontology</i> , 2007 , 78, 1083-93	4.6	112
96	IL-17RC is required for immune signaling via an extended SEF/IL-17R signaling domain in the cytoplasmic tail. <i>Journal of Immunology</i> , 2010 , 185, 1063-70	5.3	108
95	Host responses to <i>Candida albicans</i> : Th17 cells and mucosal candidiasis. <i>Microbes and Infection</i> , 2010 , 12, 518-27	9.3	107

94	IL-17 Receptor Signaling in Oral Epithelial Cells Is Critical for Protection against Oropharyngeal Candidiasis. <i>Cell Host and Microbe</i> , 2016 , 20, 606-617	23.4	106
93	IL-17 receptor-based signaling and implications for disease. <i>Nature Immunology</i> , 2019 , 20, 1594-1602	19.1	105
92	IL-17 receptor signaling inhibits C/EBPbeta by sequential phosphorylation of the regulatory 2 domain. <i>Science Signaling</i> , 2009 , 2, ra8	8.8	104
91	The IL-17 cytokine family. <i>Vitamins and Hormones</i> , 2006 , 74, 255-82	2.5	98
90	Oral epithelial cells orchestrate innate type 17 responses to through the virulence factor candidalysin. <i>Science Immunology</i> , 2017 , 2,	28	95
89	IL-17 signaling in host defense against <i>Candida albicans</i> . <i>Immunologic Research</i> , 2011 , 50, 181-7	4.3	95
88	Biology of recently discovered cytokines: interleukin-17--a unique inflammatory cytokine with roles in bone biology and arthritis. <i>Arthritis Research</i> , 2004 , 6, 240-7		95
87	Mucocutaneous candidiasis: the IL-17 pathway and implications for targeted immunotherapy. <i>Arthritis Research and Therapy</i> , 2012 , 14, 217	5.7	94
86	The deubiquitinase A20 mediates feedback inhibition of interleukin-17 receptor signaling. <i>Science Signaling</i> , 2013 , 6, ra44	8.8	90
85	Role of neutrophils in IL-17-dependent immunity to mucosal candidiasis. <i>Journal of Immunology</i> , 2014 , 192, 1745-52	5.3	88
84	Evidence for ligand-independent multimerization of the IL-17 receptor. <i>Journal of Immunology</i> , 2006 , 176, 711-5	5.3	87
83	MCPIP1 Endoribonuclease Activity Negatively Regulates Interleukin-17-Mediated Signaling and Inflammation. <i>Immunity</i> , 2015 , 43, 475-87	32.3	86
82	Differential role for c-Rel and C/EBPbeta/delta in TLR-mediated induction of proinflammatory cytokines. <i>Journal of Immunology</i> , 2009 , 182, 7212-21	5.3	85
81	IL-17 Receptor Signaling in the Lung Epithelium Is Required for Mucosal Chemokine Gradients and Pulmonary Host Defense against <i>K. pneumoniae</i> . <i>Cell Host and Microbe</i> , 2016 , 20, 596-605	23.4	78
80	Janus kinases in interleukin-2-mediated signaling: JAK1 and JAK3 are differentially regulated by tyrosine phosphorylation. <i>Current Biology</i> , 1997 , 7, 817-26	6.3	77
79	Candidalysin: discovery and function in <i>Candida albicans</i> infections. <i>Current Opinion in Microbiology</i> , 2019 , 52, 100-109	7.9	71
78	<i>Candida albicans</i> -epithelial interactions and induction of mucosal innate immunity. <i>Current Opinion in Microbiology</i> , 2017 , 40, 104-112	7.9	71
77	IL-17RC: a partner in IL-17 signaling and beyond. <i>Seminars in Immunopathology</i> , 2010 , 32, 33-42	12	71

76	Distinct tyrosine residues within the interleukin-2 receptor beta chain drive signal transduction specificity, redundancy, and diversity. <i>Journal of Biological Chemistry</i> , 1996 , 271, 21381-90	5.4	67
75	V3 recombinants indicate a central role for CCR5 as a coreceptor in tissue infection by human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1999 , 73, 2350-8	6.6	67
74	The interleukin-17 receptor plays a gender-dependent role in host protection against Porphyromonas gingivalis-induced periodontal bone loss. <i>Infection and Immunity</i> , 2008 , 76, 4206-13	3.7	66
73	A bone-protective role for IL-17 receptor signaling in ovariectomy-induced bone loss. <i>European Journal of Immunology</i> , 2009 , 39, 2831-9	6.1	60
72	Animal models for candidiasis. <i>Current Protocols in Immunology</i> , 2014 , 105, 19.6.1-19.6.17	4	57
71	Innate Defense against Fungal Pathogens. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 5,	5.4	56
70	Candidalysin activates innate epithelial immune responses via epidermal growth factor receptor. <i>Nature Communications</i> , 2019 , 10, 2297	17.4	53
69	IL-17 inhibits adipogenesis in part via C/EBP β and Kr μ pel-like factors. <i>Cytokine</i> , 2013 , 61, 898-905	4	53
68	Regulation of host-microbe interactions at oral mucosal barriers by type 17 immunity. <i>Science Immunology</i> , 2020 , 5,	28	51
67	MCPIP1/Regnase-1 Restricts IL-17A- and IL-17C-Dependent Skin Inflammation. <i>Journal of Immunology</i> , 2017 , 198, 767-775	5.3	49
66	Processing of Ece1p Is Critical for Candidalysin Maturation and Fungal Virulence. <i>MBio</i> , 2018 , 9,	7.8	49
65	IL-36 and IL-1/IL-17 Drive Immunity to Oral Candidiasis via Parallel Mechanisms. <i>Journal of Immunology</i> , 2018 , 201, 627-634	5.3	49
64	The adaptor CARD9 is required for adaptive but not innate immunity to oral mucosal Candida albicans infections. <i>Infection and Immunity</i> , 2014 , 82, 1173-80	3.7	49
63	Interleukin-17-induced protein lipocalin 2 is dispensable for immunity to oral candidiasis. <i>Infection and Immunity</i> , 2014 , 82, 1030-5	3.7	49
62	CARMA1 coiled-coil domain is involved in the oligomerization and subcellular localization of CARMA1 and is required for T cell receptor-induced NF-kappaB activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17141-7	5.4	44
61	IL-17 metabolically reprograms activated fibroblastic reticular cells for proliferation and survival. <i>Nature Immunology</i> , 2019 , 20, 534-545	19.1	43
60	Cutting edge: identification of a pre-ligand assembly domain (PLAD) and ligand binding site in the IL-17 receptor. <i>Journal of Immunology</i> , 2007 , 179, 6379-83	5.3	43
59	SEF/IL-17R (SEFIR) is not enough: an extended SEFIR domain is required for il-17RA-mediated signal transduction. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32751-32759	5.4	42

58	Antibody blockade of IL-17 family cytokines in immunity to acute murine oral mucosal candidiasis. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 1153-64	6.5	41
57	Gut-Busters: IL-17 AinT Afraid of No IL-23. <i>Immunity</i> , 2015 , 43, 620-2	32.3	40
56	Expansion of Foxp3(+) T-cell populations by <i>Candida albicans</i> enhances both Th17-cell responses and fungal dissemination after intravenous challenge. <i>European Journal of Immunology</i> , 2014 , 44, 1069-83	6.1	40
55	Signaling through IL-17C/IL-17RE is dispensable for immunity to systemic, oral and cutaneous candidiasis. <i>PLoS ONE</i> , 2015 , 10, e0122807	3.7	39
54	Development of allergen-induced airway inflammation in the absence of T-bet regulation is dependent on IL-17. <i>Journal of Immunology</i> , 2009 , 183, 5293-300	5.3	38
53	Brothers in arms: Th17 and Treg responses in <i>Candida albicans</i> immunity. <i>PLoS Pathogens</i> , 2014 , 10, e1004156	9.4	37
52	IL-17 integrates multiple self-reinforcing, feed-forward mechanisms through the RNA binding protein Arid5a. <i>Science Signaling</i> , 2018 , 11,	8.8	35
51	The Aryl Hydrocarbon Receptor Governs Epithelial Cell Invasion during Oropharyngeal Candidiasis. <i>MBio</i> , 2017 , 8,	7.8	34
50	An essential role of interleukin-17 receptor signaling in the development of autoimmune glomerulonephritis. <i>Journal of Leukocyte Biology</i> , 2014 , 96, 463-72	6.5	33
49	Delinking CARD9 and IL-17: CARD9 Protects against <i>Candida tropicalis</i> Infection through a TNF-EDependent, IL-17-Independent Mechanism. <i>Journal of Immunology</i> , 2015 , 195, 3781-92	5.3	32
48	Innate Immunity to Mucosal <i>Candida</i> Infections. <i>Journal of Fungi (Basel, Switzerland)</i> , 2017 , 3,	5.6	32
47	TLR2 signaling and Th2 responses drive <i>Tannerella forsythia</i> -induced periodontal bone loss. <i>Journal of Immunology</i> , 2011 , 187, 501-9	5.3	31
46	Differential regulation of the IL-17 receptor by gammac cytokines: inhibitory signaling by the phosphatidylinositol 3-kinase pathway. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14100-8	5.4	31
45	Beyond <i>Candida albicans</i> : Mechanisms of immunity to non- <i>albicans</i> <i>Candida</i> species. <i>Cytokine</i> , 2015 , 76, 42-52	4	29
44	Oral epithelial IL-22/STAT3 signaling licenses IL-17-mediated immunity to oral mucosal candidiasis. <i>Science Immunology</i> , 2020 , 5,	28	29
43	The Interleukin (IL) 17R/IL-22R Signaling Axis Is Dispensable for Vulvovaginal Candidiasis Regardless of Estrogen Status. <i>Journal of Infectious Diseases</i> , 2020 , 221, 1554-1563	7	25
42	The Kallikrein-Kinin System: A Novel Mediator of IL-17-Driven Anti- <i>Candida</i> Immunity in the Kidney. <i>PLoS Pathogens</i> , 2016 , 12, e1005952	7.6	23
41	Anti-apoptotic signaling by the interleukin-2 receptor reveals a function for cytoplasmic tyrosine residues within the common gamma (gamma c) receptor subunit. <i>Journal of Biological Chemistry</i> , 2003 , 278, 10239-49	5.4	22

40	CCAAT/Enhancer-binding protein β promotes pathogenesis of EAE. <i>Cytokine</i> , 2017 , 92, 24-32	4	21
39	Neutrophils Do Not Express IL-17A in the Context of Acute Oropharyngeal Candidiasis. <i>Pathogens</i> , 2015 , 4, 559-72	4.5	20
38	Rheumatoid arthritis patients exhibit impaired <i>Candida albicans</i> -specific Th17 responses. <i>Arthritis Research and Therapy</i> , 2014 , 16, R50	5.7	18
37	IL-22 neutralizing autoantibodies impair fungal clearance in murine oropharyngeal candidiasis model. <i>European Journal of Immunology</i> , 2018 , 48, 464-470	6.1	18
36	Combined Blockade of TNF- α and IL-17A Alleviates Progression of Collagen-Induced Arthritis without Causing Serious Infections in Mice. <i>Journal of Immunology</i> , 2019 , 202, 2017-2026	5.3	16
35	IL-17 receptor composition. <i>Nature Reviews Immunology</i> , 2016 , 16, 4	36.5	16
34	Expression of the immunoglobulin J chain in a murine B lymphoma is driven by autocrine production of interleukin 2. <i>Cytokine</i> , 1996 , 8, 513-24	4	14
33	Interleukin-17 signaling triggers degradation of the constitutive NF- κ B inhibitor ABIN-1. <i>ImmunoHorizons</i> , 2017 , 1, 133-141	2.7	13
32	Restoring glucose uptake rescues neutrophil dysfunction and protects against systemic fungal infection in mouse models of kidney disease. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	12
31	Life before seventeen: cloning of the IL-17 receptor. <i>Journal of Immunology</i> , 2011 , 187, 4389-91	5.3	12
30	The mA reader IMP2 directs autoimmune inflammation through an IL-17- and TNF α -dependent C/EBP transcription factor axis. <i>Science Immunology</i> , 2021 , 6,	28	11
29	The anaphase-promoting complex protein 5 (AnapC5) associates with A20 and inhibits IL-17-mediated signal transduction. <i>PLoS ONE</i> , 2013 , 8, e70168	3.7	10
28	Follistatin-like protein 1 modulates IL-17 signaling via IL-17RC regulation in stromal cells. <i>Immunology and Cell Biology</i> , 2017 , 95, 656-665	5	9
27	A competitive infection model of hematogenously disseminated candidiasis in mice redefines the role of <i>Candida albicans</i> IRS4 in pathogenesis. <i>Infection and Immunity</i> , 2013 , 81, 1430-8	3.7	9
26	C/EBP β Promotes Immunity to Oral Candidiasis through Regulation of β -Defensins. <i>PLoS ONE</i> , 2015 , 10, e0136538	3.7	9
25	T Cell Receptor-Independent, CD31/IL-17A-Driven Inflammatory Axis Shapes Synovitis in Juvenile Idiopathic Arthritis. <i>Frontiers in Immunology</i> , 2018 , 9, 1802	8.4	8
24	Interleukin-22 (IL-22) Binding Protein Constrains IL-22 Activity, Host Defense, and Oxidative Phosphorylation Genes during Pneumococcal Pneumonia. <i>Infection and Immunity</i> , 2019 , 87,	3.7	7
23	Dermatophyte Immune Memory Is Only Skin-Deep. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 517-519	4.19	6

22	IL-17RA-signaling in Lgr5 intestinal stem cells induces expression of transcription factor ATOH1 to promote secretory cell lineage commitment.. <i>Immunity</i> , 2022 ,	32.3	6
21	An IL-17F.S65L Knock-In Mouse Reveals Similarities and Differences in IL-17F Function in Oral Candidiasis: A New Tool to Understand IL-17F. <i>Journal of Immunology</i> , 2020 , 205, 720-730	5.3	5
20	Integrating p38MAPK immune signals in nonimmune cells. <i>Science Signaling</i> , 2015 , 8, fs5	8.8	4
19	Local Sustained Delivery of Anti-IL-17A Antibodies Limits Inflammatory Bone Loss in Murine Experimental Periodontitis. <i>Journal of Immunology</i> , 2021 , 206, 2386-2392	5.3	4
18	A Candida albicans Strain Expressing Mammalian Interleukin-17A Results in Early Control of Fungal Growth during Disseminated Infection. <i>Infection and Immunity</i> , 2015 , 83, 3684-92	3.7	3
17	Divergent functions of IL-17-family cytokines in DSS colitis: Insights from a naturally-occurring human mutation in IL-17F. <i>Cytokine</i> , 2021 , 148, 155715	4	3
16	Fungus Among Us: The Frenemies Within. <i>Trends in Immunology</i> , 2019 , 40, 469-471	14.4	2
15	Update on Gender Equity in Immunology, 2001 to 2016. <i>Journal of Immunology</i> , 2016 , 197, 3751-3753	5.3	2
14	The metabolism-modulating activity of IL-17 signaling in health and disease. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	2
13	Infections in the monogenic autoimmune syndrome APECED. <i>Current Opinion in Immunology</i> , 2021 , 72, 286-297	7.8	2
12	Fungal sensing enhances neutrophil metabolic fitness by regulating antifungal Glut1 activity.. <i>Cell Host and Microbe</i> , 2022 ,	23.4	2
11	The Globular C1q Receptor Is Required for Epidermal Growth Factor Receptor Signaling during Candida albicans Infection. <i>MBio</i> , 2021 , e0271621	7.8	1
10	Extracellular ATP released from Candida albicans activates non-peptidergic neurons to augment host defense		1
9	A loss-of-function mutation in IL-17F enhances susceptibility of mice to oropharyngeal candidiasis		1
8	RTEC-intrinsic IL-17-driven inflammatory circuit amplifies antibody-induced glomerulonephritis and is constrained by Regnase-1. <i>JCI Insight</i> , 2021 , 6,	9.9	1
7	Antibody-induced glomerulonephritis is amplified by RTEC-intrinsic IL-17 signaling and restrained by IL-17-mediated induction of the endoribonuclease Regnase-1 (Zc3h12a)		1
6	The toxin candidalysin mediates distinct epithelial inflammatory responses through p38 and EGFR-ERK pathways.. <i>Science Signaling</i> , 2022 , 15, eabj6915	8.8	1
5	Regnase-1 Deficiency Restrains Klebsiella pneumoniae Infection by Regulation of a Type I Interferon Response.. <i>MBio</i> , 2022 , e0379221	7.8	0

4	(m)ATstands for TautoimmunityT reading, writing, and erasing RNA modifications during inflammation. <i>Trends in Immunology</i> , 2021 , 42, 1073-1076	14.4	o
3	Fungi make fun guys.. <i>Cell Host and Microbe</i> , 2022 , 30, 277-278	23.4	o
2	IL-17F, a target for anti-cytokine therapy. <i>Expert Opinion on Therapeutic Patents</i> , 2007 , 17, 453-458	6.8	
1	Subunit Dynamics in the IL-17 Receptor Complex: Identification of a Pre-ligand Assembly Domain (PLAD) and Ligand Binding site in IL-17RA. <i>FASEB Journal</i> , 2008 , 22, 1069.1	0.9	