Sarah L Gaffen

List of Publications by Year in Descending Order

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-17RA-signaling in Lgr5 intestinal stem cells induces expression of transcription factor ATOH1 to promote secretory cell lineage commitment.. *Immunity*, **2022**,	32.3	6
128	Regnase-1 Deficiency Restrains Klebsiella pneumoniae Infection by Regulation of a Type I Interferon Response.. *MBio*, **2022**, e0379221	7.8	0
127	Fungi make fun guys.. *Cell Host and Microbe*, **2022**, 30, 277-278	23.4	0
126	Fungal sensing enhances neutrophil metabolic fitness by regulating antifungal Glut1 activity.. *Cell Host and Microbe*, **2022**,	23.4	2
125	The toxin candidalysin mediates distinct epithelial inflammatory responses through p38 and EGFR-ERK pathways.. *Science Signaling*, **2022**, 15, eabj6915	8.8	1
124	The Globular C1q Receptor Is Required for Epidermal Growth Factor Receptor Signaling during Candida albicans Infection. *MBio*, **2021**, e0271621	7.8	1
123	T(m)ATstands for TautoimmunityT reading, writing, and erasing RNA modifications during inflammation. *Trends in Immunology*, **2021**, 42, 1073-1076	14.4	0
122	The metabolism-modulating activity of IL-17 signaling in health and disease. *Journal of Experimental Medicine*, **2021**, 218,	16.6	2
121	Local Sustained Delivery of Anti-IL-17A Antibodies Limits Inflammatory Bone Loss in Murine Experimental Periodontitis. *Journal of Immunology*, **2021**, 206, 2386-2392	5.3	4
120	The mA reader IMP2 directs autoimmune inflammation through an IL-17- and TNF-dependent C/EBP transcription factor axis. *Science Immunology*, **2021**, 6,	28	11
119	RTEC-intrinsic IL-17-driven inflammatory circuit amplifies antibody-induced glomerulonephritis and is constrained by Regnase-1. *JCI Insight*, **2021**, 6,	9.9	1
118	Infections in the monogenic autoimmune syndrome APECED. *Current Opinion in Immunology*, **2021**, 72, 286-297	7.8	2
117	Divergent functions of IL-17-family cytokines in DSS colitis: Insights from a naturally-occurring human mutation in IL-17F. *Cytokine*, **2021**, 148, 155715	4	3
116	Oral epithelial IL-22/STAT3 signaling licenses IL-17-mediated immunity to oral mucosal candidiasis. *Science Immunology*, **2020**, 5,	28	29
115	Restoring glucose uptake rescues neutrophil dysfunction and protects against systemic fungal infection in mouse models of kidney disease. *Science Translational Medicine*, **2020**, 12,	17.5	12
114	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. *Journal of Immunology*, **2020**, 205, 720-730	5.3	5
113	The Interleukin (IL) 17R/IL-22R Signaling Axis Is Dispensable for Vulvovaginal Candidiasis Regardless of Estrogen Status. *Journal of Infectious Diseases*, **2020**, 221, 1554-1563	7	25

112	Regulation of host-microbe interactions at oral mucosal barriers by type 17 immunity. *Science Immunology*, **2020**, 5,	28	51
111	Candidalysin activates innate epithelial immune responses via epidermal growth factor receptor. *Nature Communications*, **2019**, 10, 2297	17.4	53
110	Fungus Among Us: The Frenemies Within. *Trends in Immunology*, **2019**, 40, 469-471	14.4	2
109	The IL-17 Family of Cytokines in Health and Disease. *Immunity*, **2019**, 50, 892-906	32.3	368
108	IL-17 metabolically reprograms activated fibroblastic reticular cells for proliferation and survival. *Nature Immunology*, **2019**, 20, 534-545	19.1	43
107	Dermatophyte Immune Memory Is Only Skin-Deep. *Journal of Investigative Dermatology*, **2019**, 139, 517-519	4.3	6
106	Combined Blockade of TNF- and IL-17A Alleviates Progression of Collagen-Induced Arthritis without Causing Serious Infections in Mice. *Journal of Immunology*, **2019**, 202, 2017-2026	5.3	16
105	Candidalysin: discovery and function in Candida albicans infections. *Current Opinion in Microbiology*, **2019**, 52, 100-109	7.9	71
104	IL-17 receptor-based signaling and implications for disease. *Nature Immunology*, **2019**, 20, 1594-1602	19.1	105
103	Interleukin-22 (IL-22) Binding Protein Constrains IL-22 Activity, Host Defense, and Oxidative Phosphorylation Genes during Pneumococcal Pneumonia. *Infection and Immunity*, **2019**, 87,	3.7	7
102	Processing of Ece1p Is Critical for Candidalysin Maturation and Fungal Virulence. *MBio*, **2018**, 9,	7.8	49
101	Interleukin 17 Family Cytokines: Signaling Mechanisms, Biological Activities, and Therapeutic Implications. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	149
100	T Cell Receptor-Independent, CD31/IL-17A-Driven Inflammatory Axis Shapes Synovitis in Juvenile Idiopathic Arthritis. *Frontiers in Immunology*, **2018**, 9, 1802	8.4	8
99	IL-36 and IL-1/IL-17 Drive Immunity to Oral Candidiasis via Parallel Mechanisms. *Journal of Immunology*, **2018**, 201, 627-634	5.3	49
98	IL-22 neutralizing autoantibodies impair fungal clearance in murine oropharyngeal candidiasis model. *European Journal of Immunology*, **2018**, 48, 464-470	6.1	18
97	IL-17 integrates multiple self-reinforcing, feed-forward mechanisms through the RNA binding protein Arid5a. *Science Signaling*, **2018**, 11,	8.8	35
96	CCAAT/Enhancer-binding protein promotes pathogenesis of EAE. *Cytokine*, **2017**, 92, 24-32	4	21
95	IL-17 Signaling: The Yin and the Yang. *Trends in Immunology*, **2017**, 38, 310-322	14.4	293

94	The Aryl Hydrocarbon Receptor Governs Epithelial Cell Invasion during Oropharyngeal Candidiasis. *MBio*, **2017**, 8,	7.8	34
93	Follistatin-like protein 1 modulates IL-17 signaling via IL-17RC regulation in stromal cells. *Immunology and Cell Biology*, **2017**, 95, 656-665	5	9
92	MCPIP1/Regnase-1 Restricts IL-17A- and IL-17C-Dependent Skin Inflammation. *Journal of Immunology*, **2017**, 198, 767-775	5.3	49
91	Candida albicans-epithelial interactions and induction of mucosal innate immunity. *Current Opinion in Microbiology*, **2017**, 40, 104-112	7.9	71
90	Oral epithelial cells orchestrate innate type 17 responses to through the virulence factor candidalysin. *Science Immunology*, **2017**, 2,	28	95
89	Innate Immunity to Mucosal Candida Infections. *Journal of Fungi (Basel, Switzerland)*, **2017**, 3,	5.6	32
88	Interleukin-17 signaling triggers degradation of the constitutive NF-B inhibitor ABIN-1. *ImmunoHorizons*, **2017**, 1, 133-141	2.7	13
87	IL-17 Receptor Signaling in Oral Epithelial Cells Is Critical for Protection against Oropharyngeal Candidiasis. *Cell Host and Microbe*, **2016**, 20, 606-617	23.4	106
86	IL-17 Receptor Signaling in the Lung Epithelium Is Required for Mucosal Chemokine Gradients and Pulmonary Host Defense against K. pneumoniae. *Cell Host and Microbe*, **2016**, 20, 596-605	23.4	78
85	Update on Gender Equity in Immunology, 2001 to 2016. *Journal of Immunology*, **2016**, 197, 3751-3753	5.3	2
84	Antibody blockade of IL-17 family cytokines in immunity to acute murine oral mucosal candidiasis. *Journal of Leukocyte Biology*, **2016**, 99, 1153-64	6.5	41
83	IL-17 receptor composition. *Nature Reviews Immunology*, **2016**, 16, 4	36.5	16
82	The Kallikrein-Kinin System: A Novel Mediator of IL-17-Driven Anti-Candida Immunity in the Kidney. *PLoS Pathogens*, **2016**, 12, e1005952	7.6	23
81	IL-17-Mediated Immunity to the Opportunistic Fungal Pathogen Candida albicans. *Journal of Immunology*, **2015**, 195, 780-8	5.3	172
80	Integrating p38 MAPK immune signals in nonimmune cells. *Science Signaling*, **2015**, 8, fs5	8.8	4
79	Gut-Busters: IL-17 Ain't Afraid of No IL-23. *Immunity*, **2015**, 43, 620-2	32.3	40
78	Beyond Candida albicans: Mechanisms of immunity to non-albicans Candida species. *Cytokine*, **2015**, 76, 42-52	4	29
77	A Candida albicans Strain Expressing Mammalian Interleukin-17A Results in Early Control of Fungal Growth during Disseminated Infection. *Infection and Immunity*, **2015**, 83, 3684-92	3.7	3

76	MCPIP1 Endoribonuclease Activity Negatively Regulates Interleukin-17-Mediated Signaling and Inflammation. *Immunity*, **2015**, 43, 475-87	32.3	86
75	Delinking CARD9 and IL-17: CARD9 Protects against Candida tropicalis Infection through a TNF-Dependent, IL-17-Independent Mechanism. *Journal of Immunology*, **2015**, 195, 3781-92	5.3	32
74	Neutrophils Do Not Express IL-17A in the Context of Acute Oropharyngeal Candidiasis. *Pathogens*, **2015**, 4, 559-72	4.5	20
73	Signaling through IL-17C/IL-17RE is dispensable for immunity to systemic, oral and cutaneous candidiasis. *PLoS ONE*, **2015**, 10, e0122807	3.7	39
72	C/EBP Promotes Immunity to Oral Candidiasis through Regulation of Defensins. *PLoS ONE*, **2015**, 10, e0136538	3.7	9
71	Innate Defense against Fungal Pathogens. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 5,	5.4	56
70	Animal models for candidiasis. *Current Protocols in Immunology*, **2014**, 105, 19.6.1-19.6.17	4	57
69	The IL-23-IL-17 immune axis: from mechanisms to therapeutic testing. *Nature Reviews Immunology*, **2014**, 14, 585-600	36.5	951
68	Oral-resident natural Th17 cells and T cells control opportunistic Candida albicans infections. *Journal of Experimental Medicine*, **2014**, 211, 2075-84	16.6	173
67	Rheumatoid arthritis patients exhibit impaired Candida albicans-specific Th17 responses. *Arthritis Research and Therapy*, **2014**, 16, R50	5.7	18
66	Brothers in arms: Th17 and Treg responses in Candida albicans immunity. *PLoS Pathogens*, **2014**, 10, e1004456	7.6	37
65	The adaptor CARD9 is required for adaptive but not innate immunity to oral mucosal Candida albicans infections. *Infection and Immunity*, **2014**, 82, 1173-80	3.7	49
64	An essential role of interleukin-17 receptor signaling in the development of autoimmune glomerulonephritis. *Journal of Leukocyte Biology*, **2014**, 96, 463-72	6.5	33
63	Role of neutrophils in IL-17-dependent immunity to mucosal candidiasis. *Journal of Immunology*, **2014**, 192, 1745-52	5.3	88
62	Expansion of Foxp3(+) T-cell populations by Candida albicans enhances both Th17-cell responses and fungal dissemination after intravenous challenge. *European Journal of Immunology*, **2014**, 44, 1069-83	6.1	40
61	Interleukin-17-induced protein lipocalin 2 is dispensable for immunity to oral candidiasis. *Infection and Immunity*, **2014**, 82, 1030-5	3.7	49
60	IL-17 inhibits adipogenesis in part via C/EBP PPAR and Krppel-like factors. *Cytokine*, **2013**, 61, 898-905	4	53
59	The deubiquitinase A20 mediates feedback inhibition of interleukin-17 receptor signaling. *Science Signaling*, **2013**, 6, ra44	8.8	90

58	A competitive infection model of hematogenously disseminated candidiasis in mice redefines the role of Candida albicans IRS4 in pathogenesis. *Infection and Immunity*, **2013**, 81, 1430-8	3.7	9
57	The anaphase-promoting complex protein 5 (AnapC5) associates with A20 and inhibits IL-17-mediated signal transduction. *PLoS ONE*, **2013**, 8, e70168	3.7	10
56	Mucocutaneous candidiasis: the IL-17 pathway and implications for targeted immunotherapy. *Arthritis Research and Therapy*, **2012**, 14, 217	5.7	94
55	Th17 cells in immunity to Candida albicans. *Cell Host and Microbe*, **2012**, 11, 425-35	23.4	240
54	Recent advances in the IL-17 cytokine family. *Current Opinion in Immunology*, **2011**, 23, 613-9	7.8	211
53	IL-17 signaling in host defense against Candida albicans. *Immunologic Research*, **2011**, 50, 181-7	4.3	95
52	CD4(+)CD25(+)Foxp3(+) regulatory T cells promote Th17 cells in vitro and enhance host resistance in mouse Candida albicans Th17 cell infection model. *Immunity*, **2011**, 34, 422-34	32.3	205
51	1,25-dihydroxyvitamin D(3) ameliorates Th17 autoimmunity via transcriptional modulation of interleukin-17A. *Molecular and Cellular Biology*, **2011**, 31, 3653-69	4.8	331
50	Life before seventeen: cloning of the IL-17 receptor. *Journal of Immunology*, **2011**, 187, 4389-91	5.3	12
49	TLR2 signaling and Th2 responses drive Tannerella forsythia-induced periodontal bone loss. *Journal of Immunology*, **2011**, 187, 501-9	5.3	31
48	Interleukin-17 and its target genes: mechanisms of interleukin-17 function in disease. *Immunology*, **2010**, 129, 311-21	7.8	618
47	NADPH oxidase limits innate immune responses in the lungs in mice. *PLoS ONE*, **2010**, 5, e9631	3.7	141
46	IL-17RC is required for immune signaling via an extended SEF/IL-17R signaling domain in the cytoplasmic tail. *Journal of Immunology*, **2010**, 185, 1063-70	5.3	108
45	SEF/IL-17R (SEFIR) is not enough: an extended SEFIR domain is required for il-17RA-mediated signal transduction. *Journal of Biological Chemistry*, **2010**, 285, 32751-32759	5.4	42
44	IL-17 in obesity and adipogenesis. *Cytokine and Growth Factor Reviews*, **2010**, 21, 449-53	17.9	118
43	IL-17RC: a partner in IL-17 signaling and beyond. *Seminars in Immunopathology*, **2010**, 32, 33-42	12	71
42	Host responses to Candida albicans: Th17 cells and mucosal candidiasis. *Microbes and Infection*, **2010**, 12, 518-27	9.3	107
41	Th17 cells and IL-17 receptor signaling are essential for mucosal host defense against oral candidiasis. *Journal of Experimental Medicine*, **2009**, 206, 299-311	16.6	756

40	Differential role for c-Rel and C/EBPbeta/delta in TLR-mediated induction of proinflammatory cytokines. *Journal of Immunology*, **2009**, 182, 7212-21	5.3	85
39	Development of allergen-induced airway inflammation in the absence of T-bet regulation is dependent on IL-17. *Journal of Immunology*, **2009**, 183, 5293-300	5.3	38
38	IL-17 receptor signaling inhibits C/EBPbeta by sequential phosphorylation of the regulatory 2 domain. *Science Signaling*, **2009**, 2, ra8	8.8	104
37	A bone-protective role for IL-17 receptor signaling in ovariectomy-induced bone loss. *European Journal of Immunology*, **2009**, 39, 2831-9	6.1	60
36	The role of interleukin-17 in the pathogenesis of rheumatoid arthritis. *Current Rheumatology Reports*, **2009**, 11, 365-70	4.9	143
35	Structure and signalling in the IL-17 receptor family. *Nature Reviews Immunology*, **2009**, 9, 556-67	36.5	1028
34	Interleukin-17 is required for T helper 1 cell immunity and host resistance to the intracellular pathogen Francisella tularensis. *Immunity*, **2009**, 31, 799-810	32.3	232
33	Structure-function relationships in the IL-17 receptor: implications for signal transduction and therapy. *Cytokine*, **2008**, 41, 92-104	4	199
32	An overview of IL-17 function and signaling. *Cytokine*, **2008**, 43, 402-7	4	266
31	The interleukin-17 receptor plays a gender-dependent role in host protection against Porphyromonas gingivalis-induced periodontal bone loss. *Infection and Immunity*, **2008**, 76, 4206-13	3.7	66
30	Differential regulation of the IL-17 receptor by gammac cytokines: inhibitory signaling by the phosphatidylinositol 3-kinase pathway. *Journal of Biological Chemistry*, **2008**, 283, 14100-8	5.4	31
29	IL-17 and the Th17 lineage in systemic lupus erythematosus. *Current Opinion in Rheumatology*, **2008**, 20, 519-25	5.3	115
28	Subunit Dynamics in the IL-17 Receptor Complex: Identification of a Pre-ligand Assembly Domain (PLAD) and Ligand Binding site in IL-17RA. *FASEB Journal*, **2008**, 22, 1069.1	0.9	
27	IL-17F, a target for anti-cytokine therapy. *Expert Opinion on Therapeutic Patents*, **2007**, 17, 453-458	6.8	
26	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, 369-77	19.1	1076
25	Cutting edge: identification of a pre-ligand assembly domain (PLAD) and ligand binding site in the IL-17 receptor. *Journal of Immunology*, **2007**, 179, 6379-83	5.3	43
24	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. *Journal of Biological Chemistry*, **2007**, 282, 17141-7	5.4	44
23	Distinct functional motifs within the IL-17 receptor regulate signal transduction and target gene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7506-11	11.5	115

22	An essential role for IL-17 in preventing pathogen-initiated bone destruction: recruitment of neutrophils to inflamed bone requires IL-17 receptor-dependent signals. *Blood*, **2007**, 109, 3794-802	2.2	268
21	Interleukin-17: a new paradigm in inflammation, autoimmunity, and therapy. *Journal of Periodontology*, **2007**, 78, 1083-93	4.6	112
20	Identification of common transcriptional regulatory elements in interleukin-17 target genes. *Journal of Biological Chemistry*, **2006**, 281, 24138-48	5.4	230
19	The IL-17 cytokine family. *Vitamins and Hormones*, **2006**, 74, 255-82	2.5	98
18	Evidence for ligand-independent multimerization of the IL-17 receptor. *Journal of Immunology*, **2006**, 176, 711-5	5.3	87
17	Cytokines link osteoblasts and inflammation: microarray analysis of interleukin-17- and TNF-alpha-induced genes in bone cells. *Journal of Leukocyte Biology*, **2005**, 77, 388-99	6.5	216
16	Functional cooperation between interleukin-17 and tumor necrosis factor-alpha is mediated by CCAAT/enhancer-binding protein family members. *Journal of Biological Chemistry*, **2004**, 279, 2559-67	5.4	269
15	Crucial role for nuclear factor of activated T cells in T cell receptor-mediated regulation of human interleukin-17. *Journal of Biological Chemistry*, **2004**, 279, 52762-71	5.4	129
14	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. *Molecular and Cellular Biology*, **2004**, 24, 164-71	4.8	186
13	Interleukin-17 regulates expression of the CXC chemokine LIX/CXCL5 in osteoblasts: implications for inflammation and neutrophil recruitment. *Journal of Leukocyte Biology*, **2004**, 76, 135-44	6.5	159
12	Biology of recently discovered cytokines: interleukin-17--a unique inflammatory cytokine with roles in bone biology and arthritis. *Arthritis Research*, **2004**, 6, 240-7		95
11	Overview of interleukin-2 function, production and clinical applications. *Cytokine*, **2004**, 28, 109-23	4	292
10	Anti-apoptotic signaling by the interleukin-2 receptor reveals a function for cytoplasmic tyrosine residues within the common gamma (gamma c) receptor subunit. *Journal of Biological Chemistry*, **2003**, 278, 10239-49	5.4	22
9	Signaling domains of the interleukin 2 receptor. *Cytokine*, **2001**, 14, 63-77	4	154
8	V3 recombinants indicate a central role for CCR5 as a coreceptor in tissue infection by human immunodeficiency virus type 1. *Journal of Virology*, **1999**, 73, 2350-8	6.6	67
7	JAK/STAT signaling by cytokine receptors. *Current Opinion in Immunology*, **1998**, 10, 271-8	7.8	197
6	Janus kinases in interleukin-2-mediated signaling: JAK1 and JAK3 are differentially regulated by tyrosine phosphorylation. *Current Biology*, **1997**, 7, 817-26	6.3	77
5	Expression of the immunoglobulin J chain in a murine B lymphoma is driven by autocrine production of interleukin 2. *Cytokine*, **1996**, 8, 513-24	4	14

4	Distinct tyrosine residues within the interleukin-2 receptor beta chain drive signal transduction specificity, redundancy, and diversity. *Journal of Biological Chemistry*, **1996**, 271, 21381-90	5.4	67
3	Extracellular ATP released from Candida albicans activates non-peptidergic neurons to augment host defense		1
2	A loss-of-function mutation in IL-17F enhances susceptibility of mice to oropharyngeal candidiasis		1
1	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