Sarah L Gaffen

List of Publications by Year in descending order

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		17405	13727
130	17,638	63	129
papers	citations	h-index	g-index
240	240	240	20230
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	The IL-23–IL-17 immune axis: from mechanisms to therapeutic testing. Nature Reviews Immunology, 2014, 14, 585-600.	10.6	1,267
2	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.	7.0	1,253
3	Structure and signalling in the IL-17 receptor family. Nature Reviews Immunology, 2009, 9, 556-567.	10.6	1,207
4	Th17 cells and IL-17 receptor signaling are essential for mucosal host defense against oral candidiasis. Journal of Experimental Medicine, 2009, 206, 299-311.	4.2	878
5	The IL-17 Family of Cytokines in Health and Disease. Immunity, 2019, 50, 892-906.	6.6	773
6	Interleukinâ€17 and its target genes: mechanisms of interleukinâ€17 function in disease. Immunology, 2010, 129, 311-321.	2.0	738
7	IL-17 Signaling: The Yin and the Yang. Trends in Immunology, 2017, 38, 310-322.	2.9	493
8	1,25-Dihydroxyvitamin D ₃ Ameliorates Th17 Autoimmunity via Transcriptional Modulation of Interleukin-17A. Molecular and Cellular Biology, 2011, 31, 3653-3669.	1.1	420
9	Overview of interleukin-2 function, production and clinical applications. Cytokine, 2004, 28, 109-123.	1.4	367
10	Functional Cooperation between Interleukin-17 and Tumor Necrosis Factor-α Is Mediated by CCAAT/Enhancer-binding Protein Family Members. Journal of Biological Chemistry, 2004, 279, 2559-2567.	1.6	309
11	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, 3794-3802.	0.6	306
12	An overview of IL-17 function and signaling. Cytokine, 2008, 43, 402-407.	1.4	295
13	Th17 Cells in Immunity to Candida albicans. Cell Host and Microbe, 2012, 11, 425-435.	5.1	286
14	IL-17 receptor–based signaling and implications for disease. Nature Immunology, 2019, 20, 1594-1602.	7.0	271
15	Identification of Common Transcriptional Regulatory Elements in Interleukin-17 Target Genes. Journal of Biological Chemistry, 2006, 281, 24138-24148.	1.6	264
16	Interleukin-17 Is Required for T Helper 1 Cell Immunity and Host Resistance to the Intracellular Pathogen Francisella tularensis. Immunity, 2009, 31, 799-810.	6.6	255
17	Recent advances in the IL-17 cytokine family. Current Opinion in Immunology, 2011, 23, 613-619.	2.4	247
18	CD4+CD25+Foxp3+ Regulatory T Cells Promote Th17 Cells InÂVitro and Enhance Host Resistance in Mouse Candida albicans Th17 Cell Infection Model. Immunity, 2011, 34, 422-434.	6.6	244

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19	Cytokines link osteoblasts and inflammation: microarray analysis of interleukin-17- and TNF-α-induced genes in bone cells. Journal of Leukocyte Biology, 2005, 77, 388-399.	1.5	240
20	Interleukin 17 Family Cytokines: Signaling Mechanisms, Biological Activities, and Therapeutic Implications. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028522.	2.3	226
21	Structure–function relationships in the IL-17 receptor: Implications for signal transduction and therapy. Cytokine, 2008, 41, 92-104.	1.4	225
22	IL-17–Mediated Immunity to the Opportunistic Fungal Pathogen <i>Candida albicans</i> lmmunology, 2015, 195, 780-788.	0.4	224
23	Oral-resident natural Th17 cells and $\hat{I}^3\hat{I}^*$ T cells control opportunistic <i>Candida albicans</i> li> infections. Journal of Experimental Medicine, 2014, 211, 2075-2084.	4.2	217
24	JAK/STAT signaling by cytokine receptors. Current Opinion in Immunology, 1998, 10, 271-278.	2.4	216
25	CD3/CD28 Costimulation-Induced NF-κB Activation Is Mediated by Recruitment of Protein Kinase C-Î, Bcl10, and IκB Kinase β to the Immunological Synapse through CARMA1. Molecular and Cellular Biology, 2004, 24, 164-171.	1.1	206
26	The role of interleukin-17 in the pathogenesis of rheumatoid arthritis. Current Rheumatology Reports, 2009, 11, 365-370.	2.1	178
27	Interleukin-17 regulates expression of the CXC chemokine LIX/CXCL5 in osteoblasts: implications for inflammation and neutrophil recruitment. Journal of Leukocyte Biology, 2004, 76, 135-144.	1.5	174
28	SIGNALING DOMAINS OF THE INTERLEUKIN 2 RECEPTOR. Cytokine, 2001, 14, 63-77.	1.4	170
29	NADPH Oxidase Limits Innate Immune Responses in the Lungs in Mice. PLoS ONE, 2010, 5, e9631.	1.1	161
30	Oral epithelial cells orchestrate innate type 17 responses to $\langle i \rangle$ Candida albicans $\langle i \rangle$ through the virulence factor candidalysin. Science Immunology, 2017, 2, .	5.6	154
31	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, 52762-52771.	1.6	148
32	IL-17 in obesity and adipogenesis. Cytokine and Growth Factor Reviews, 2010, 21, 449-453.	3.2	148
33	IL-17 Receptor Signaling in Oral Epithelial Cells Is Critical for Protection against Oropharyngeal Candidiasis. Cell Host and Microbe, 2016, 20, 606-617.	5.1	148
34	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, 7506-7511.	3.3	137
35	Candidalysin: discovery and function in Candida albicans infections. Current Opinion in Microbiology, 2019, 52, 100-109.	2.3	134
36	IL-17 and the Th17 lineage in systemic lupus erythematosus. Current Opinion in Rheumatology, 2008, 20, 519-525.	2.0	128

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37	MCPIP1 Endoribonuclease Activity Negatively Regulates Interleukin-17-Mediated Signaling and Inflammation. Immunity, 2015, 43, 475-487.	6.6	125
38	Interleukin-17: A New Paradigm in Inflammation, Autoimmunity, and Therapy. Journal of Periodontology, 2007, 78, 1083-1093.	1.7	124
39	Regulation of host-microbe interactions at oral mucosal barriers by type 17 immunity. Science Immunology, 2020, 5, .	5.6	123
40	Host responses to Candida albicans: Th17 cells and mucosal candidiasis. Microbes and Infection, 2010, 12, 518-527.	1.0	121
41	The ILâ€17 Cytokine Family. Vitamins and Hormones, 2006, 74, 255-282.	0.7	118
42	IL-17 Receptor Signaling Inhibits C/EBP \hat{l}^2 by Sequential Phosphorylation of the Regulatory 2 Domain. Science Signaling, 2009, 2, ra8.	1.6	118
43	Mucocutaneous candidiasis: the IL-17 pathway and implications for targeted immunotherapy. Arthritis Research and Therapy, 2012, 14, 217.	1.6	118
44	The Deubiquitinase A20 Mediates Feedback Inhibition of Interleukin-17 Receptor Signaling. Science Signaling, 2013, 6, ra44.	1.6	117
45	IL-17 Receptor Signaling in the Lung Epithelium Is Required for Mucosal Chemokine Gradients and Pulmonary Host Defense against K.Apneumoniae. Cell Host and Microbe, 2016, 20, 596-605.	5.1	115
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, 1063-1070.	0.4	114
47	Biology of recently discovered cytokines: interleukin-17-a unique inflammatory cytokine with roles in bone biology and arthritis. Arthritis Research, 2004, 6, 240.	2.0	107
48	IL-17 signaling in host defense against Candida albicans. Immunologic Research, 2011, 50, 181-187.	1.3	104
49	Role of Neutrophils in IL-17–Dependent Immunity to Mucosal Candidiasis. Journal of Immunology, 2014, 192, 1745-1752.	0.4	104
50	Candida albicans–epithelial interactions and induction of mucosal innate immunity. Current Opinion in Microbiology, 2017, 40, 104-112.	2.3	104
51	Candidalysin activates innate epithelial immune responses via epidermal growth factor receptor. Nature Communications, 2019, 10, 2297.	5.8	104
52	Cutting Edge: Evidence for Ligand-Independent Multimerization of the IL-17 Receptor. Journal of Immunology, 2006, 176, 711-715.	0.4	99
53	Differential Role for c-Rel and C/EBPβ/δ in TLR-Mediated Induction of Proinflammatory Cytokines. Journal of Immunology, 2009, 182, 7212-7221.	0.4	94
54	Janus kinases in interleukin-2-mediated signaling: JAK1 and JAK3 are differentially regulated by tyrosine phosphorylation. Current Biology, 1997, 7, 817-826.	1.8	88

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55	Animal Models for Candidiasis. Current Protocols in Immunology, 2014, 105, 19.6.1-19.6.17.	3.6	86
56	IL-17RC: a partner in IL-17 signaling and beyond. Seminars in Immunopathology, 2010, 32, 33-42.	2.8	83
57	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, 2350-2358.	1.5	75
58	Innate Defense against Fungal Pathogens. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a019620-a019620.	2.9	74
59	The Interleukin-17 Receptor Plays a Gender-Dependent Role in Host Protection against <i>Porphyromonas gingivalis</i> Induced Periodontal Bone Loss. Infection and Immunity, 2008, 76, 4206-4213.	1.0	73
60	Processing of <i>Candida albicans</i> Ecelp Is Critical for Candidalysin Maturation and Fungal Virulence. MBio, 2018, 9, .	1.8	72
61	A boneâ€protective role for ILâ€17 receptor signaling in ovariectomyâ€induced bone loss. European Journal of Immunology, 2009, 39, 2831-2839.	1.6	71
62	IL-17 inhibits adipogenesis in part via C/EBPα, PPARγ and Krüppel-like factors. Cytokine, 2013, 61, 898-905.	1.4	70
63	Distinct Tyrosine Residues within the Interleukin-2 Receptor \hat{I}^2 Chain Drive Signal Transduction Specificity, Redundancy, and Diversity. Journal of Biological Chemistry, 1996, 271, 21381-21390.	1.6	69
64	IL-36 and IL-1/IL-17 Drive Immunity to Oral Candidiasis via Parallel Mechanisms. Journal of Immunology, 2018, 201, 627-634.	0.4	69
65	Oral epithelial IL-22/STAT3 signaling licenses IL-17–mediated immunity to oral mucosal candidiasis. Science Immunology, 2020, 5, .	5.6	66
66	MCPIP1/Regnase-1 Restricts IL-17A– and IL-17C–Dependent Skin Inflammation. Journal of Immunology, 2017, 198, 767-775.	0.4	65
67	Interleukin-17-Induced Protein Lipocalin 2 Is Dispensable for Immunity to Oral Candidiasis. Infection and Immunity, 2014, 82, 1030-1035.	1.0	64
68	IL-17 metabolically reprograms activated fibroblastic reticular cells for proliferation and survival. Nature Immunology, 2019, 20, 534-545.	7.0	63
69	The Adaptor CARD9 Is Required for Adaptive but Not Innate Immunity to Oral Mucosal Candida albicans Infections. Infection and Immunity, 2014, 82, 1173-1180.	1.0	57
70	Expansion of Foxp3 ⁺ Tâ€eell populations by <i>Candida albicans</i> enhances both Th17â€eell responses and fungal dissemination after intravenous challenge. European Journal of Immunology, 2014, 44, 1069-1083.	1.6	55
71	CARMA1 Coiled-coil Domain Is Involved in the Oligomerization and Subcellular Localization of CARMA1 and Is Required for T Cell Receptor-induced NF-ήB Activation. Journal of Biological Chemistry, 2007, 282, 17141-17147.	1.6	53
72	Antibody blockade of IL-17 family cytokines in immunity to acute murine oral mucosal candidiasis. Journal of Leukocyte Biology, 2016, 99, 1153-1164.	1.5	52

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73	CCAAT/Enhancer-binding protein \hat{I}^2 promotes pathogenesis of EAE. Cytokine, 2017, 92, 24-32.	1.4	52
74	IL-17 integrates multiple self-reinforcing, feed-forward mechanisms through the RNA binding protein Arid5a. Science Signaling, 2018, 11 , .	1.6	52
75	Gut-Busters: IL-17 Ain't Afraid of No IL-23. Immunity, 2015, 43, 620-622.	6.6	51
76	Innate Immunity to Mucosal Candida Infections. Journal of Fungi (Basel, Switzerland), 2017, 3, 60.	1.5	51
77	SEF/IL-17R (SEFIR) Is Not Enough. Journal of Biological Chemistry, 2010, 285, 32751-32759.	1.6	50
78	The Aryl Hydrocarbon Receptor Governs Epithelial Cell Invasion during Oropharyngeal Candidiasis. MBio, 2017, 8, .	1.8	50
79	Signaling through IL-17C/IL-17RE Is Dispensable for Immunity to Systemic, Oral and Cutaneous Candidiasis. PLoS ONE, 2015, 10, e0122807.	1.1	50
80	Cutting Edge: Identification of a Pre-Ligand Assembly Domain (PLAD) and Ligand Binding Site in the IL-17 Receptor. Journal of Immunology, 2007, 179, 6379-6383.	0.4	45
81	Brothers in Arms: Th17 and Treg Responses in Candida albicans Immunity. PLoS Pathogens, 2014, 10, e1004456.	2.1	44
82	Development of Allergen-Induced Airway Inflammation in the Absence of T-bet Regulation Is Dependent on IL-17. Journal of Immunology, 2009, 183, 5293-5300.	0.4	43
83	The m ⁶ A reader IMP2 directs autoimmune inflammation through an IL-17– and TNFα-dependent C/EBP transcription factor axis. Science Immunology, 2021, 6, .	5. 6	43
84	An essential role of interleukin-17 receptor signaling in the development of autoimmune glomerulonephritis. Journal of Leukocyte Biology, 2014, 96, 463-472.	1.5	40
85	TLR2 Signaling and Th2 Responses Drive <i>Tannerella forsythia</i> Induced Periodontal Bone Loss. Journal of Immunology, 2011, 187, 501-509.	0.4	39
86	Beyond Candida albicans: Mechanisms of immunity to non-albicans Candida species. Cytokine, 2015, 76, 42-52.	1.4	39
87	Delinking CARD9 and IL-17: CARD9 Protects against <i>Candida tropicalis</i> Infection through a TNF-α–Dependent, IL-17–Independent Mechanism. Journal of Immunology, 2015, 195, 3781-3792.	0.4	38
88	Differential Regulation of the IL-17 Receptor by \hat{I}^3 c Cytokines. Journal of Biological Chemistry, 2008, 283, 14100-14108.	1.6	35
89	The metabolism-modulating activity of IL-17 signaling in health and disease. Journal of Experimental Medicine, 2021, 218, .	4.2	34
90	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.	1.9	33

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91	The Kallikrein-Kinin System: A Novel Mediator of IL-17-Driven Anti-Candida Immunity in the Kidney. PLoS Pathogens, 2016, 12, e1005952.	2.1	32
92	IL-17RA-signaling in Lgr5+ intestinal stem cells induces expression of transcription factor ATOH1 to promote secretory cell lineage commitment. Immunity, 2022, 55, 237-253.e8.	6.6	30
93	Rheumatoid arthritis patients exhibit impaired Candida albicans-specific Th17 responses. Arthritis Research and Therapy, 2014, 16, R50.	1.6	26
94	Anti-apoptotic Signaling by the Interleukin-2 Receptor Reveals a Function for Cytoplasmic Tyrosine Residues within the Common \hat{l}^3 (\hat{l}^3 c) Receptor Subunit. Journal of Biological Chemistry, 2003, 278, 10239-10249.	1.6	25
95	Neutrophils Do Not Express IL-17A in the Context of Acute Oropharyngeal Candidiasis. Pathogens, 2015, 4, 559-572.	1.2	25
96	ILâ€22 neutralizing autoantibodies impair fungal clearance in murine oropharyngeal candidiasis model. European Journal of Immunology, 2018, 48, 464-470.	1.6	24
97	Combined Blockade of TNF-α and IL-17A Alleviates Progression of Collagen-Induced Arthritis without Causing Serious Infections in Mice. Journal of Immunology, 2019, 202, 2017-2026.	0.4	22
98	Restoring glucose uptake rescues neutrophil dysfunction and protects against systemic fungal infection in mouse models of kidney disease. Science Translational Medicine, 2020, 12, .	5.8	22
99	Fungal sensing enhances neutrophil metabolic fitness by regulating antifungal Glut1 activity. Cell Host and Microbe, 2022, 30, 530-544.e6.	5.1	21
100	Life before Seventeen: Cloning of the IL-17 Receptor. Journal of Immunology, 2011, 187, 4389-4391.	0.4	18
101	IL-17 receptor composition. Nature Reviews Immunology, 2016, 16, 4-4.	10.6	18
102	C/EBPβ Promotes Immunity to Oral Candidiasis through Regulation of \hat{I}^2 -Defensins. PLoS ONE, 2015, 10, e0136538.	1.1	18
103	The <i>Candida albicans</i> toxin candidalysin mediates distinct epithelial inflammatory responses through p38 and EGFR-ERK pathways. Science Signaling, 2022, 15, eabj6915.	1.6	17
104	The Anaphase-Promoting Complex Protein 5 (AnapC5) Associates with A20 and Inhibits IL-17-Mediated Signal Transduction. PLoS ONE, 2013, 8, e70168.	1.1	16
105	Interleukin-22 (IL-22) Binding Protein Constrains IL-22 Activity, Host Defense, and Oxidative Phosphorylation Genes during Pneumococcal Pneumonia. Infection and Immunity, 2019, 87, .	1.0	16
106	IL-17 Signaling Triggers Degradation of the Constitutive NF-κB Inhibitor ABIN-1. ImmunoHorizons, 2017, 1, 133-141.	0.8	16
107	Infections in the monogenic autoimmune syndrome APECED. Current Opinion in Immunology, 2021, 72, 286-297.	2.4	15
108	EXPRESSION OF THE IMMUNOGLOBULIN J CHAIN IN A MURINE B LYMPHOMA IS DRIVEN BY AUTOCRINE PRODUCTION OF INTERLEUKIN 2. Cytokine, 1996, 8, 513-524.	1.4	14

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109	T Cell Receptor-Independent, CD31/IL-17A-Driven Inflammatory Axis Shapes Synovitis in Juvenile Idiopathic Arthritis. Frontiers in Immunology, 2018, 9, 1802.	2.2	13
110	Local Sustained Delivery of Anti–IL-17A Antibodies Limits Inflammatory Bone Loss in Murine Experimental Periodontitis. Journal of Immunology, 2021, 206, 2386-2392.	0.4	13
111	The Globular C1q Receptor Is Required for Epidermal Growth Factor Receptor Signaling during Candida albicans Infection. MBio, 2021, 12, e0271621.	1.8	13
112	IL-17 signaling and A20. Cell Cycle, 2013, 12, 3459-3460.	1.3	12
113	Follistatinâ€like protein 1 modulates ILâ€17 signaling via ILâ€17RC regulation in stromal cells. Immunology and Cell Biology, 2017, 95, 656-665.	1.0	11
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.	0.4	10
115	Divergent functions of IL-17-family cytokines in DSS colitis: Insights from a naturally-occurring human mutation in IL-17F. Cytokine, 2021, 148, 155715.	1.4	10
116	The RNA-binding protein IMP2 drives a stromal-Th17 cell circuit in autoimmune neuroinflammation. JCI Insight, 2022, 7 , .	2.3	10
117	A Competitive Infection Model of Hematogenously Disseminated Candidiasis in Mice Redefines the Role of Candida albicans IRS4 in Pathogenesis. Infection and Immunity, 2013, 81, 1430-1438.	1.0	9
118	Dermatophyte Immune Memory Is Only Skin-Deep. Journal of Investigative Dermatology, 2019, 139, 517-519.	0.3	7
119	Integrating p38α MAPK immune signals in nonimmune cells. Science Signaling, 2015, 8, fs5.	1.6	6
120	â€~(m6)A' stands for â€~autoimmunity': reading, writing, and erasing RNA modifications during inflammation. Trends in Immunology, 2021, 42, 1073-1076.	2.9	5
121	A Candida albicans Strain Expressing Mammalian Interleukin-17A Results in Early Control of Fungal Growth during Disseminated Infection. Infection and Immunity, 2015, 83, 3684-3692.	1.0	4
122	RTEC-intrinsic IL-17–driven inflammatory circuit amplifies antibody-induced glomerulonephritis and is constrained by Regnase-1. JCI Insight, 2021, 6, .	2.3	4
123	Editorial: Fake it 'til you make it: mast cells acquire IL-17 exogenously. Journal of Leukocyte Biology, 2016, 100, 445-446.	1.5	3
124	Fungus Among Us: The Frenemies Within. Trends in Immunology, 2019, 40, 469-471.	2.9	3
125	Update on Gender Equity in Immunology, 2001 to 2016. Journal of Immunology, 2016, 197, 3751-3753.	0.4	2
126	Regnase-1 Deficiency Restrains Klebsiella pneumoniae Infection by Regulation of a Type I Interferon Response. MBio, 2022, 13, e0379221.	1.8	2

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127	Fungi make fun guys. Cell Host and Microbe, 2022, 30, 277-278.	5.1	2
128	ID: 154. Cytokine, 2015, 76, 64-65.	1.4	1
129	IL-17F, a target for anti-cytokine therapy. Expert Opinion on Therapeutic Patents, 2007, 17, 453-458.	2.4	O
130	Subunit Dynamics in the ILâ€17 Receptor Complex: Identification of a Preâ€ligand Assembly Domain (PLAD) and Ligand Binding site in ILâ€17RA. FASEB Journal, 2008, 22, 1069.1.	0.2	0