Anne O Garra

List of Publications by Citations

136	32,057	76	147
papers	citations	h-index	g-index
147	35,766	14.1	7.3
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
136	Interleukin-10 and the interleukin-10 receptor. *Annual Review of Immunology*, **2001**, 19, 683-765	34.7	5038
135	A CD4+ T-cell subset inhibits antigen-specific T-cell responses and prevents colitis. *Nature*, **1997**, 389, 737-42	50.4	3084
134	The regulation of IL-10 production by immune cells. *Nature Reviews Immunology*, **2010**, 10, 170-81	36.5	1886
133	Cytokines induce the development of functionally heterogeneous T helper cell subsets. *Immunity*, **1998**, 8, 275-83	32.3	1287
132	An interferon-inducible neutrophil-driven blood transcriptional signature in human tuberculosis. *Nature*, **2010**, 466, 973-7	50.4	1284
131	Type I interferons in infectious disease. *Nature Reviews Immunology*, **2015**, 15, 87-103	36.5	1131
130	In vitro generation of interleukin 10-producing regulatory CD4(+) T cells is induced by immunosuppressive drugs and inhibited by T helper type 1 (Th1)- and Th2-inducing cytokines. *Journal of Experimental Medicine*, **2002**, 195, 603-16	16.6	960
129	Mouse type I IFN-producing cells are immature APCs with plasmacytoid morphology. *Nature Immunology*, **2001**, 2, 1144-50	19.1	861
128	The immune response in tuberculosis. *Annual Review of Immunology*, **2013**, 31, 475-527	34.7	823
127	Regulatory T cells and mechanisms of immune system control. *Nature Medicine*, **2004**, 10, 801-5	50.5	666
126	Biological properties of interleukin 10. *Trends in Immunology*, **1992**, 13, 198-200		517
125	Flexibility of mouse classical and plasmacytoid-derived dendritic cells in directing T helper type 1 and 2 cell development: dependency on antigen dose and differential toll-like receptor ligation. *Journal of Experimental Medicine*, **2003**, 197, 101-9	16.6	476
124	T(H)1 cells control themselves by producing interleukin-10. *Nature Reviews Immunology*, **2007**, 7, 425-8	36.5	464
123	The development of murine plasmacytoid dendritic cell precursors is differentially regulated by FLT3-ligand and granulocyte/macrophage colony-stimulating factor. *Journal of Experimental Medicine*, **2002**, 195, 953-8	16.6	446
122	Antigen-engaged B cells undergo chemotaxis toward the T zone and form motile conjugates with helper T cells. *PLoS Biology*, **2005**, 3, e150	9.7	430
121	Reversing the defective induction of IL-10-secreting regulatory T cells in glucocorticoid-resistant asthma patients. *Journal of Clinical Investigation*, **2006**, 116, 146-55	15.9	428
120	Natural agonists for aryl hydrocarbon receptor in culture medium are essential for optimal differentiation of Th17 T cells. *Journal of Experimental Medicine*, **2009**, 206, 43-9	16.6	401

119	Role of cytokines in determining T-lymphocyte function. *Current Opinion in Immunology*, **1994**, 6, 458-66	7.8	353
118	GATA-3 induces T helper cell type 2 (Th2) cytokine expression and chromatin remodeling in committed Th1 cells. *Journal of Experimental Medicine*, **2000**, 192, 105-15	16.6	332
117	The molecular basis of T helper 1 and T helper 2 cell differentiation. *Trends in Cell Biology*, **2000**, 10, 542-50	10.3	331
116	Production of cytokines by mouse B cells: B lymphomas and normal B cells produce interleukin 10. *International Immunology*, **1990**, 2, 821-32	4.9	323
115	Strategies for use of IL-10 or its antagonists in human disease. *Immunological Reviews*, **2008**, 223, 114-31	11.3	318
114	SOCS-3 regulates onset and maintenance of T(H)2-mediated allergic responses. *Nature Medicine*, **2003**, 9, 1047-54	50.5	299
113	IL-10 Family Cytokines IL-10 and IL-22: from Basic Science to Clinical Translation. *Immunity*, **2019**, 50, 871-891	32.3	298
112	Reversal of tumor-induced dendritic cell paralysis by CpG immunostimulatory oligonucleotide and anti-interleukin 10 receptor antibody. *Journal of Experimental Medicine*, **2002**, 196, 541-9	16.6	296
111	Dendritic cells and macrophages are required for Th1 development of CD4+ T cells from alpha beta TCR transgenic mice: IL-12 substitution for macrophages to stimulate IFN-gamma production is IFN-gamma-dependent. *International Immunology*, **1993**, 5, 1119-28	4.9	295
110	Biological properties of interleukin 10. *Journal of Clinical Immunology*, **1992**, 12, 239-47	5.7	291
109	From IL-2 to IL-37: the expanding spectrum of anti-inflammatory cytokines. *Nature Immunology*, **2012**, 13, 925-31	19.1	289
108	Type I interferon dependence of plasmacytoid dendritic cell activation and migration. *Journal of Experimental Medicine*, **2005**, 201, 1157-67	16.6	269
107	Interleukin-10 production by Th1 cells requires interleukin-12-induced STAT4 transcription factor and ERK MAP kinase activation by high antigen dose. *Immunity*, **2009**, 31, 209-19	32.3	260
106	Neutrophils in tuberculosis: friend or foe?. *Trends in Immunology*, **2012**, 33, 14-25	14.4	219
105	CD4+ T-cell subsets in autoimmunity. *Current Opinion in Immunology*, **1997**, 9, 872-83	7.8	209
104	Aberrant in vivo T helper type 2 cell response and impaired eosinophil recruitment in CC chemokine receptor 8 knockout mice. *Journal of Experimental Medicine*, **2001**, 193, 573-84	16.6	206
103	CD8+ T cells control Th2-driven pathology during pulmonary respiratory syncytial virus infection. *European Journal of Immunology*, **1997**, 27, 3341-9	6.1	202
102	Transcriptional blood signatures distinguish pulmonary tuberculosis, pulmonary sarcoidosis, pneumonias and lung cancers. *PLoS ONE*, **2013**, 8, e70630	3.7	196

101	Tripartite-motif proteins and innate immune regulation. *Current Opinion in Immunology*, **2011**, 23, 46-56	7.8	185
100	A restricted subset of dendritic cells captures airborne antigens and remains able to activate specific T cells long after antigen exposure. *Immunity*, **2002**, 16, 271-83	32.3	182
99	Enhanced protection to Mycobacterium tuberculosis infection in IL-10-deficient mice is accompanied by early and enhanced Th1 responses in the lung. *European Journal of Immunology*, **2010**, 40, 2200-10	6.1	177
98	Further checkpoints in Th1 development. *Immunity*, **2002**, 16, 755-8	32.3	173
97	IL-27 promotes IL-10 production by effector Th1 CD4+ T cells: a critical mechanism for protection from severe immunopathology during malaria infection. *Journal of Immunology*, **2012**, 188, 1178-90	5.3	154
96	Detectable changes in the blood transcriptome are present after two weeks of antituberculosis therapy. *PLoS ONE*, **2012**, 7, e46191	3.7	149
95	CD25+ CD4+ T cells compete with naive CD4+ T cells for IL-2 and exploit it for the induction of IL-10 production. *International Immunology*, **2005**, 17, 279-88	4.9	147
94	The role of 1,25-dihydroxyvitamin D3 and cytokines in the promotion of distinct Foxp3+ and IL-10+ CD4+ T cells. *European Journal of Immunology*, **2012**, 42, 2697-708	6.1	138
93	Targeting self- and foreign antigens to dendritic cells via DC-ASGPR generates IL-10-producing suppressive CD4+ T cells. *Journal of Experimental Medicine*, **2012**, 209, 109-21	16.6	138
92	TGF-beta1 down-regulates Th2 development and results in decreased IL-4-induced STAT6 activation and GATA-3 expression. *European Journal of Immunology*, **2000**, 30, 2639-49	6.1	135
91	TPL-2 negatively regulates interferon-beta production in macrophages and myeloid dendritic cells. *Journal of Experimental Medicine*, **2009**, 206, 1863-71	16.6	134
90	GATA-3 significantly downregulates IFN-gamma production from developing Th1 cells in addition to inducing IL-4 and IL-5 levels. *Clinical Immunology*, **1999**, 91, 134-44	9	133
89	Type I IFN induces IL-10 production in an IL-27-independent manner and blocks responsiveness to IFN-γ for production of IL-12 and bacterial killing in Mycobacterium tuberculosis-infected macrophages. *Journal of Immunology*, **2014**, 193, 3600-12	5.3	130
88	Malaria infection changes the ability of splenic dendritic cell populations to stimulate antigen-specific T cells. *Journal of Experimental Medicine*, **2006**, 203, 1427-33	16.6	126
87	From IL-10 to IL-12: how pathogens and their products stimulate APCs to induce T(H)1 development. *Nature Immunology*, **2009**, 10, 929-32	19.1	125
86	GATA-3 directly remodels the IL-10 locus independently of IL-4 in CD4+ T cells. *Journal of Immunology*, **2006**, 176, 3470-9	5.3	124
85	Pathogen-induced Th1 phenotype development in CD4+ alpha beta-TCR transgenic T cells is macrophage dependent. *International Immunology*, **1993**, 5, 371-82	4.9	123
84	Blockade of IL-10 signaling during bacillus Calmette-Guérin vaccination enhances and sustains Th1, Th17, and innate lymphoid IFN-γ and IL-17 responses and increases protection to Mycobacterium tuberculosis infection. *Journal of Immunology*, **2012**, 189, 4079-87	5.3	120

83	Characterization of progressive HIV-associated tuberculosis using 2-deoxy-2-[F]fluoro-D-glucose positron emission and computed tomography. *Nature Medicine*, **2016**, 22, 1090-1093	50.5	120
82	Type I interferon-dependent and -independent expression of tripartite motif proteins in immune cells. *European Journal of Immunology*, **2008**, 38, 619-30	6.1	118
81	A critical role for interleukin 18 in primary and memory effector responses to Listeria monocytogenes that extends beyond its effects on Interferon gamma production. *Journal of Experimental Medicine*, **2001**, 194, 343-54	16.6	115
80	The regulation of IL-10 expression. *Current Topics in Microbiology and Immunology*, **2014**, 380, 157-90	3.3	110
79	The human immune response to tuberculosis and its treatment: a view from the blood. *Immunological Reviews*, **2015**, 264, 88-102	11.3	109
78	Biology and therapeutic potential of interleukin-10. *Journal of Experimental Medicine*, **2020**, 217,	16.6	108
77	TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF alpha in LPS-stimulated macrophages. *Journal of Cell Science*, **2008**, 121, 149-54	5.3	107
76	Identification of a macrophage-specific chromatin signature in the IL-10 locus. *Journal of Immunology*, **2005**, 175, 1041-6	5.3	107
75	Activation and proliferation signals in mouse B cells. VIII. Induction of DNA synthesis in B cells by a combination of calcium ionophores and phorbol myristate acetate. *European Journal of Immunology* , **1986**, 16, 92-7	6.1	101
74	Receptor signalling and crosstalk in B lymphocytes. *Immunological Reviews*, **1987**, 99, 19-38	11.3	101
73	Type I interferons in tuberculosis: Foe and occasionally friend. *Journal of Experimental Medicine*, **2018**, 215, 1273-1285	16.6	100
72	Role of T cells in innate and adaptive immunity against murine Burkholderia pseudomallei infection. *Journal of Infectious Diseases*, **2006**, 193, 370-9	7	95
71	Influenza A virus impairs control of Mycobacterium tuberculosis coinfection through a type I interferon receptor-dependent pathway. *Journal of Infectious Diseases*, **2014**, 209, 270-4	7	94
70	Cytokine networking in lungs of immunocompetent mice in response to inhaled Aspergillus fumigatus. *Infection and Immunity*, **2001**, 69, 1554-60	3.7	93
69	IL-10 regulates viral lung immunopathology during acute respiratory syncytial virus infection in mice. *PLoS ONE*, **2012**, 7, e32371	3.7	93
68	Detection of in vivo expression of interleukin-10 using a semi-quantitative polymerase chain reaction method in Schistosoma mansoni infected mice. *Journal of Immunological Methods*, **1993**, 162, 211-23	2.5	90
67	A modular transcriptional signature identifies phenotypic heterogeneity of human tuberculosis infection. *Nature Communications*, **2018**, 9, 2308	17.4	88
66	Identification of a novel thymocyte growth-promoting factor derived from B cell lymphomas. *Cellular Immunology*, **1990**, 129, 228-40	4.4	82

65	Progression of whole-blood transcriptional signatures from interferon-induced to neutrophil-associated patterns in severe influenza. *Nature Immunology*, **2018**, 19, 625-635	19.1	82
64	Interleukins and the immune system 2. *Lancet, The*, **1989**, 1, 1003-5	40	81
63	Programmed death ligand 1 is over-expressed by neutrophils in the blood of patients with active tuberculosis. *European Journal of Immunology*, **2011**, 41, 1941-7	6.1	79
62	c-Maf controls immune responses by regulating disease-specific gene networks and repressing IL-2 in CD4 T cells. *Nature Immunology*, **2018**, 19, 497-507	19.1	77
61	Highlights of 10 years of immunology in Nature Reviews Immunology. *Nature Reviews Immunology*, **2011**, 11, 693-702	36.5	75
60	Integrated T-cell receptor and costimulatory signals determine TGF-□dependent differentiation and maintenance of Foxp3+ regulatory T cells. *European Journal of Immunology*, **2011**, 41, 1242-8	6.1	74
59	TPL-2-ERK1/2 signaling promotes host resistance against intracellular bacterial infection by negative regulation of type I IFN production. *Journal of Immunology*, **2013**, 191, 1732-43	5.3	73
58	Systems biology approaches reveal a specific interferon-inducible signature in HTLV-1 associated myelopathy. *PLoS Pathogens*, **2012**, 8, e1002480	7.6	70
57	ABIN-2 is required for optimal activation of Erk MAP kinase in innate immune responses. *Nature Immunology*, **2006**, 7, 606-15	19.1	69
56	HIV-tuberculosis-associated immune reconstitution inflammatory syndrome is characterized by Toll-like receptor and inflammasome signalling. *Nature Communications*, **2015**, 6, 8451	17.4	64
55	T Cell-Derived IL-10 Impairs Host Resistance to Infection. *Journal of Immunology*, **2017**, 199, 613-623	5.3	62
54	Type I IFN Inhibits Alternative Macrophage Activation during Mycobacterium tuberculosis Infection and Leads to Enhanced Protection in the Absence of IFN-□Signaling. *Journal of Immunology*, **2016**, 197, 4714-4726	5.3	61
53	Early expression of cytokines in lymph nodes after treatment in vivo with Staphylococcus enterotoxin B. *Journal of Immunological Methods*, **1994**, 175, 47-58	2.5	60
52	Mouse gamma delta TCR+NK1.1+ thymocytes specifically produce interleukin-4, are major histocompatibility complex class I independent, and are developmentally related to alpha beta TCR+NK1.1+ thymocytes. *European Journal of Immunology*, **1996**, 26, 1424-9	6.1	59
51	Complement pathway gene activation and rising circulating immune complexes characterize early disease in HIV-associated tuberculosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E964-E973	11.5	56
50	The application of transcriptional blood signatures to enhance our understanding of the host response to infection: the example of tuberculosis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130427	5.8	56
49	Vaccination against tuberculosis: how can we better BCG?. *Microbial Pathogenesis*, **2013**, 58, 2-16	3.8	54
48	Development and function of T helper 1 cells. *Advances in Immunology*, **2004**, 83, 133-62	5.6	53

47	Polymerase chain reaction for detection of cytokine gene expression. *Current Opinion in Immunology*, **1992**, 4, 211-5	7.8	52
46	The value of transcriptomics in advancing knowledge of the immune response and diagnosis in tuberculosis. *Nature Immunology*, **2018**, 19, 1159-1168	19.1	51
45	Quantitative events determine the differentiation and function of helper T cells. *Nature Immunology*, **2011**, 12, 288-94	19.1	50
44	Immunomodulatory role of endogenous interleukin-18 in gamma interferon-mediated resolution of replicative Legionella pneumophila lung infection. *Infection and Immunity*, **2000**, 68, 6567-73	3.7	50
43	Anti-interleukin 10 receptor monoclonal antibody is an adjuvant for T helper cell type 1 responses to soluble antigen only in the presence of lipopolysaccharide. *Journal of Experimental Medicine*, **2000**, 192, 1529-34	16.6	48
42	Differential representations of memory T cell subsets are characteristic of polarized immunity in leprosy and atopic diseases. *International Immunology*, **1999**, 11, 1801-10	4.9	48
41	The Transcriptional Signature of Active Tuberculosis Reflects Symptom Status in Extra-Pulmonary and Pulmonary Tuberculosis. *PLoS ONE*, **2016**, 11, e0162220	3.7	48
40	B Cells Producing Type I IFN Modulate Macrophage Polarization in Tuberculosis. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 801-813	10.2	45
39	In vitro generation of IL-10-producing regulatory CD4+ T cells is induced by immunosuppressive drugs and inhibited by Th1- and Th2-inducing cytokines. *Immunology Letters*, **2003**, 85, 135-9	4.1	37
38	Cytokines and Ly-1 (B1) B cells. *International Reviews of Immunology*, **1992**, 8, 219-34	4.6	36
37	A 380-gene meta-signature of active tuberculosis compared with healthy controls. *European Respiratory Journal*, **2016**, 47, 1873-6	13.6	34
36	Transcriptional profiling unveils type I and II interferon networks in blood and tissues across diseases. *Nature Communications*, **2019**, 10, 2887	17.4	32
35	NF-B1 inhibits TLR-induced IFN- production in macrophages through TPL-2-dependent ERK activation. *Journal of Immunology*, **2011**, 186, 1989-96	5.3	32
34	The BCL1 B lymphoma responds to IL-4, IL-5, and GM-CSF. *Cellular Immunology*, **1989**, 123, 189-200	4.4	32
33	Type I IFN exacerbates disease in tuberculosis-susceptible mice by inducing neutrophil-mediated lung inflammation and NETosis. *Nature Communications*, **2020**, 11, 5566	17.4	31
32	Systems approaches to studying the immune response in tuberculosis. *Current Opinion in Immunology*, **2013**, 25, 579-87	7.8	31
31	Differential post-transcriptional regulation of IL-10 by TLR2 and TLR4-activated macrophages. *European Journal of Immunology*, **2014**, 44, 856-66	6.1	31
30	Critical role of type 1 cytokines in controlling initial infection with Burkholderia mallei. *Infection and Immunity*, **2006**, 74, 5333-40	3.7	30

29	Regulation of experimental autoimmune encephalomyelitis by TPL-2 kinase. *Journal of Immunology*, **2014**, 192, 3518-3529	5.3	29
28	Mouse transcriptome reveals potential signatures of protection and pathogenesis in human tuberculosis. *Nature Immunology*, **2020**, 21, 464-476	19.1	28
27	Differential Production of Type I IFN Determines the Reciprocal Levels of IL-10 and Proinflammatory Cytokines Produced by C57BL/6 and BALB/c Macrophages. *Journal of Immunology* , **2016**, 197, 2838-53	5.3	28
26	Commitment factors for T helper cells. *Current Biology*, **2000**, 10, R492-4	6.3	26
25	Contribution of cytokines to pathology and protection in virus infection. *Current Opinion in Virology*, **2011**, 1, 184-95	7.5	21
24	A T cell-myeloid IL-10 axis regulates pathogenic IFN-□dependent immunity in a mouse model of type 2-low asthma. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 666-678.e9	11.5	20
23	The Blood Transcriptome of Experimental Melioidosis Reflects Disease Severity and Shows Considerable Similarity with the Human Disease. *Journal of Immunology*, **2015**, 195, 3248-3261	5.3	18
22	Signatures of malaria-associated pathology revealed by high-resolution whole-blood transcriptomics in a rodent model of malaria. *Scientific Reports*, **2017**, 7, 41722	4.9	17
21	Transcription Factors Directing Th2 Differentiation: Gata-3 Plays a Dominant Role. *Journal of Immunology*, **2016**, 196, 4423-5	5.3	16
20	Establishing the follicular helper identity. *Immunity*, **2009**, 31, 450-2	32.3	15
19	Breakpoints in immunoregulation required for Th1 cells to induce diabetes. *European Journal of Immunology*, **2006**, 36, 2315-23	6.1	15
18	Immunology. Immunity benefits from a little suppression. *Science*, **2008**, 320, 1168-9	33.3	11
17	Development and Characterization of a Fixed Repertoire of Blood Transcriptome Modules Based on Co-expression Patterns Across Immunological States		11
16	High-Dose IL-2 Skews a Glucocorticoid-Driven IL-17IL-10 Memory CD4 T Cell Response towards a Single IL-10-Producing Phenotype. *Journal of Immunology*, **2019**, 202, 684-693	5.3	11
15	Identification of the key differential transcriptional responses of human whole blood following TLR2 or TLR4 ligation in-vitro. *PLoS ONE*, **2014**, 9, e97702	3.7	10
14	Systems approach to understand the immune response in tuberculosis: an iterative process between mouse models and human disease. *Cold Spring Harbor Symposia on Quantitative Biology*, **2013**, 78, 173-7	3.9	10
13	Regulating the regulator: Bhlhe40 directly keeps IL-10 in check. *Journal of Experimental Medicine*, **2018**, 215, 1767-1769	16.6	7
12	Preface. The science of infectious diseases. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20140055	5.8	7

List of Publications

11	Analysis of Transcriptional Signatures in Response to Listeria monocytogenes Infection Reveals Temporal Changes That Result from Type I Interferon Signaling. *PLoS ONE*, **2016**, 11, e0150251	3.7	6
10	Remembering Ralph Steinman. *Journal of Experimental Medicine*, **2011**, 208, 2343-7	16.6	5
9	Blood transcriptomics reveal the evolution and resolution of the immune response in tuberculosis. *Journal of Experimental Medicine*, **2021**, 218,	16.6	5
8	Interleukin-10: Cytokines in Anti-inflammation and Tolerance **2014**, 327-352		4
7	Checkpoints for regulation of development and IFN-gamma production by Th1 cells in TCR-transgenic models. *Immunology Letters*, **1999**, 65, 41-4	4.1	2
6	Development of a fixed module repertoire for the analysis and interpretation of blood transcriptome data. *Nature Communications*, **2021**, 12, 4385	17.4	2
5	Transcriptomic Characterization of Tuberculous Sputum Reveals a Host Warburg Effect and Microbial Cholesterol Catabolism. *MBio*, **2021**, e0176621	7.8	2
4	Brigitte Askonas (1923-2013). *Nature*, **2013**, 494, 37	50.4	1
3	Development and function of IL-10-secreting regulatory T cells: Comparison with naturally occurring CD4+CD25+ regulatory T cells. *International Congress Series*, **2005**, 1285, 160-168		1
2	Driving change in tuberculosis research: an interview with Anne O'Garra. *DMM Disease Models and Mechanisms*, **2013**, 6, 6-8	4.1	
1	The Plasticity of Dendritic Cells Populations in Promoting Th-cell Responses385-403		