

Arian Laurence

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130
papers

18,416
citations

60
h-index

135
g-index

142
ext. papers

21,239
ext. citations

13.4
avg, IF

6.5
L-index

#	Paper	IF	Citations
130	Interleukin-2 signaling via STAT5 constrains T helper 17 cell generation. <i>Immunity</i> , 2007 , 26, 371-81	32.3	1138
129	Generation of pathogenic T(H)17 cells in the absence of TGF- β signalling. <i>Nature</i> , 2010 , 467, 967-71	50.4	1021
128	Impaired T(H)17 cell differentiation in subjects with autosomal dominant hyper-IgE syndrome. <i>Nature</i> , 2008 , 452, 773-6	50.4	926
127	Janus kinases in immune cell signaling. <i>Immunological Reviews</i> , 2009 , 228, 273-87	11.3	780
126	Interleukin 27 negatively regulates the development of interleukin 17-producing T helper cells during chronic inflammation of the central nervous system. <i>Nature Immunology</i> , 2006 , 7, 937-45	19.1	774
125	The interleukin 23 receptor is essential for the terminal differentiation of interleukin 17-producing effector T helper cells in vivo. <i>Nature Immunology</i> , 2009 , 10, 314-24	19.1	773
124	An autoinflammatory disease with deficiency of the interleukin-1-receptor antagonist. <i>New England Journal of Medicine</i> , 2009 , 360, 2426-37	59.2	726
123	The JAK-STAT pathway: impact on human disease and therapeutic intervention. <i>Annual Review of Medicine</i> , 2015 , 66, 311-28	17.4	713
122	Interleukins 27 and 6 induce STAT3-mediated T cell production of interleukin 10. <i>Nature Immunology</i> , 2007 , 8, 1363-71	19.1	639
121	Selective regulatory function of Socs3 in the formation of IL-17-secreting T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8137-42	11.5	522
120	Mechanisms and consequences of Jak-STAT signaling in the immune system. <i>Nature Immunology</i> , 2017 , 18, 374-384	19.1	511
119	Diverse targets of the transcription factor STAT3 contribute to T cell pathogenicity and homeostasis. <i>Immunity</i> , 2010 , 32, 605-15	32.3	491
118	IL-21 is produced by Th17 cells and drives IL-17 production in a STAT3-dependent manner. <i>Journal of Biological Chemistry</i> , 2007 , 282, 34605-10	5.4	482
117	Opposing regulation of the locus encoding IL-17 through direct, reciprocal actions of STAT3 and STAT5. <i>Nature Immunology</i> , 2011 , 12, 247-54	19.1	451
116	Nonredundant roles for Stat5a/b in directly regulating Foxp3. <i>Blood</i> , 2007 , 109, 4368-75	2.2	436
115	Retinoic acid inhibits Th17 polarization and enhances FoxP3 expression through a Stat-3/Stat-5 independent signaling pathway. <i>Blood</i> , 2008 , 111, 1013-20	2.2	346
114	Th17 cells are long lived and retain a stem cell-like molecular signature. <i>Immunity</i> , 2011 , 35, 972-85	32.3	316

113	Mechanisms of Jak/STAT signaling in immunity and disease. <i>Journal of Immunology</i> , 2015 , 194, 21-7	5.3	301
112	Distinct regulation of interleukin-17 in human T helper lymphocytes. <i>Arthritis and Rheumatism</i> , 2007 , 56, 2936-46		285
111	Regulation of microRNA expression and abundance during lymphopoiesis. <i>Immunity</i> , 2010 , 32, 828-39	32.3	263
110	Janus kinase inhibitors in autoimmune diseases. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72 Suppl 2, ii1111-5	12.4	255
109	Genomic views of STAT function in CD4+ T helper cell differentiation. <i>Nature Reviews Immunology</i> , 2011 , 11, 239-50	36.5	213
108	Signal transduction pathways and transcriptional regulation in the control of Th17 differentiation. <i>Seminars in Immunology</i> , 2007 , 19, 400-8	10.7	204
107	Transforming growth factor beta subverts the immune system into directly promoting tumor growth through interleukin-17. <i>Cancer Research</i> , 2008 , 68, 3915-23	10.1	203
106	Interleukin-27 priming of T cells controls IL-17 production in trans via induction of the ligand PD-L1. <i>Immunity</i> , 2012 , 36, 1017-30	32.3	195
105	Altered balance between Th17 and Th1 cells at mucosal sites predicts AIDS progression in simian immunodeficiency virus-infected macaques. <i>Mucosal Immunology</i> , 2008 , 1, 279-88	9.2	194
104	Role of IL-17 and regulatory T lymphocytes in a systemic autoimmune disease. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2785-91	16.6	194
103	Therapeutic targeting of Janus kinases. <i>Immunological Reviews</i> , 2008 , 223, 132-42	11.3	190
102	IL-2 controls the stability of Foxp3 expression in TGF-beta-induced Foxp3+ T cells in vivo. <i>Journal of Immunology</i> , 2011 , 186, 6329-37	5.3	187
101	Selectivity and therapeutic inhibition of kinases: to be or not to be?. <i>Nature Immunology</i> , 2009 , 10, 356-60	9.1	182
100	IL-27 limits IL-2 production during Th1 differentiation. <i>Journal of Immunology</i> , 2006 , 176, 237-47	5.3	182
99	Signal transduction pathways and transcriptional regulation in Th17 cell differentiation. <i>Cytokine and Growth Factor Reviews</i> , 2010 , 21, 425-34	17.9	167
98	T helper 17 cell heterogeneity and pathogenicity in autoimmune disease. <i>Trends in Immunology</i> , 2011 , 32, 395-401	14.4	162
97	Jakinibs: a new class of kinase inhibitors in cancer and autoimmune disease. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 464-70	5.1	158
96	T cell activation induces proteasomal degradation of Argonaute and rapid remodeling of the microRNA repertoire. <i>Journal of Experimental Medicine</i> , 2013 , 210, 417-32	16.6	143

95	Distinct requirements for T-bet in gut innate lymphoid cells. <i>Journal of Experimental Medicine</i> , 2012 , 209, 2331-8	16.6	140
94	STAT3 transcription factor promotes instability of nTreg cells and limits generation of iTreg cells during acute murine graft-versus-host disease. <i>Immunity</i> , 2012 , 37, 209-22	32.3	140
93	Positive and negative regulation of the IL-27 receptor during lymphoid cell activation. <i>Journal of Immunology</i> , 2005 , 174, 7684-91	5.3	139
92	Mechanisms underlying helper T-cell plasticity: implications for immune-mediated disease. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 1276-87	11.5	121
91	Helper T cell IL-2 production is limited by negative feedback and STAT-dependent cytokine signals. <i>Journal of Experimental Medicine</i> , 2007 , 204, 65-71	16.6	101
90	STAT1-activating cytokines limit Th17 responses through both T-bet-dependent and -independent mechanisms. <i>Journal of Immunology</i> , 2010 , 185, 6461-71	5.3	92
89	The Current STATUS of lymphocyte signaling: new roles for old players. <i>Current Opinion in Immunology</i> , 2009 , 21, 161-6	7.8	90
88	EZH2 is crucial for both differentiation of regulatory T cells and T effector cell expansion. <i>Scientific Reports</i> , 2015 , 5, 10643	4.9	89
87	Asymmetric Action of STAT Transcription Factors Drives Transcriptional Outputs and Cytokine Specificity. <i>Immunity</i> , 2015 , 42, 877-89	32.3	87
86	Bone marrow-derived mesenchymal stromal cells harness purinergic signaling to tolerize human Th1 cells in vivo. <i>Stem Cells</i> , 2015 , 33, 1200-12	5.8	85
85	New insights into the roles of Stat5a/b and Stat3 in T cell development and differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2008 , 19, 394-400	7.5	85
84	Targeting JAK/STAT signalling in inflammatory skin diseases with small molecule inhibitors. <i>European Journal of Immunology</i> , 2017 , 47, 1096-1107	6.1	84
83	Back to the future: oral targeted therapy for RA and other autoimmune diseases. <i>Nature Reviews Rheumatology</i> , 2013 , 9, 173-82	8.1	81
82	BACH2 immunodeficiency illustrates an association between super-enhancers and haploinsufficiency. <i>Nature Immunology</i> , 2017 , 18, 813-823	19.1	79
81	Celastrol, a Chinese herbal compound, controls autoimmune inflammation by altering the balance of pathogenic and regulatory T cells in the target organ. <i>Clinical Immunology</i> , 2015 , 157, 228-38	9	79
80	Translational and clinical advances in JAK-STAT biology: The present and future of jakinibs. <i>Journal of Leukocyte Biology</i> , 2018 , 104, 499-514	6.5	77
79	Helper T-cell differentiation and plasticity: insights from epigenetics. <i>Immunology</i> , 2011 , 134, 235-45	7.8	77
78	Effect of Huaier granule on recurrence after curative resection of HCC: a multicentre, randomised clinical trial. <i>Gut</i> , 2018 , 67, 2006-2016	19.2	77

77	Helper T-cell identity and evolution of differential transcriptomes and epigenomes. <i>Immunological Reviews</i> , 2013 , 252, 24-40	11.3	76
76	Mast cell interleukin-2 production contributes to suppression of chronic allergic dermatitis. <i>Immunity</i> , 2011 , 35, 562-71	32.3	76
75	JAK Kinases in Health and Disease: An Update. <i>Open Rheumatology Journal</i> , 2012 , 6, 232-44	0.2	69
74	Reduced expression of transcriptional intermediary factor 1 gamma promotes metastasis and indicates poor prognosis of hepatocellular carcinoma. <i>Hepatology</i> , 2014 , 60, 1620-36	11.2	67
73	Transcriptional and epigenetic networks of helper T and innate lymphoid cells. <i>Immunological Reviews</i> , 2014 , 261, 23-49	11.3	65
72	PD-1 Inhibitory Receptor Downregulates Asparaginyl Endopeptidase and Maintains Foxp3 Transcription Factor Stability in Induced Regulatory T Cells. <i>Immunity</i> , 2018 , 49, 247-263.e7	32.3	64
71	Human retinoic acid-regulated CD161 regulatory T cells support wound repair in intestinal mucosa. <i>Nature Immunology</i> , 2018 , 19, 1403-1414	19.1	58
70	SARS-CoV-2 drives JAK1/2-dependent local complement hyperactivation. <i>Science Immunology</i> , 2021 , 6,	28	57
69	A mouse model of HIES reveals pro- and anti-inflammatory functions of STAT3. <i>Blood</i> , 2014 , 123, 2978-82.	11.2	56
68	Helper T cell differentiation enters a new era: le roi est mort; vive le roi!. <i>Journal of Experimental Medicine</i> , 2006 , 203, 809-12	16.6	55
67	Lactate inhibits ATP6V0d2 expression in tumor-associated macrophages to promote HIF-2 β -mediated tumor progression. <i>Journal of Clinical Investigation</i> , 2019 , 129, 631-646	15.9	54
66	Subset- and tissue-defined STAT5 thresholds control homeostasis and function of innate lymphoid cells. <i>Journal of Experimental Medicine</i> , 2017 , 214, 2999-3014	16.6	53
65	Signal transducer and activator of transcription 5 (STAT5) paralog dose governs T cell effector and regulatory functions. <i>ELife</i> , 2016 , 5,	8.9	53
64	Kinase inhibitors in the treatment of immune-mediated disease. <i>F1000 Medicine Reports</i> , 2012 , 4, 5		48
63	Biology of recently discovered cytokines: discerning the pro- and anti-inflammatory properties of interleukin-27. <i>Arthritis Research</i> , 2004 , 6, 225-33		48
62	The macrophage-specific V-ATPase subunit ATP6V0D2 restricts inflammasome activation and bacterial infection by facilitating autophagosome-lysosome fusion. <i>Autophagy</i> , 2019 , 15, 960-975	10.2	47
61	Signal transduction and Th17 cell differentiation. <i>Microbes and Infection</i> , 2009 , 11, 599-611	9.3	47
60	Biallelic interferon regulatory factor 8 mutation: A complex immunodeficiency syndrome with dendritic cell deficiency, monocytopenia, and immune dysregulation. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 2234-2248	11.5	46

59	IL-27R deficiency delays the onset of colitis and protects from helminth-induced pathology in a model of chronic IBD. <i>International Immunology</i> , 2008 , 20, 739-52	4.9	38
58	Helper T cell plasticity: impact of extrinsic and intrinsic signals on transcriptomes and epigenomes. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 381, 279-326	3.3	36
57	Dominant-negative mutations in human IL6ST underlie hyper-IgE syndrome. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	36
56	Location, movement and survival: the role of chemokines in haematopoiesis and malignancy. <i>British Journal of Haematology</i> , 2006 , 132, 255-67	4.5	34
55	Retinoic Acid Receptor Alpha Represses a Th9 Transcriptional and Epigenomic Program to Reduce Allergic Pathology. <i>Immunity</i> , 2019 , 50, 106-120.e10	32.3	33
54	An autoregulatory enhancer controls mammary-specific STAT5 functions. <i>Nucleic Acids Research</i> , 2016 , 44, 1052-63	20.1	31
53	The T cell antigen receptor activates phosphatidylinositol 3-kinase-regulated serine kinases protein kinase B and ribosomal S6 kinase 1. <i>FEBS Letters</i> , 2000 , 486, 38-42	3.8	31
52	TFEB Mediates Immune Evasion and Resistance to mTOR Inhibition of Renal Cell Carcinoma via Induction of PD-L1. <i>Clinical Cancer Research</i> , 2019 , 25, 6827-6838	12.9	30
51	IL-13-producing Th1 and Th17 cells characterize adaptive responses to both self and foreign antigens. <i>European Journal of Immunology</i> , 2012 , 42, 2322-8	6.1	30
50	Approaches to define antigen receptor-induced serine kinase signal transduction pathways. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9267-75	5.4	29
49	Antigen-stimulated CD4 T-cell expansion is inversely and log-linearly related to precursor number. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3312-7	11.5	28
48	Absence of GP130 cytokine receptor signaling causes extended Stillé-Wiedemann syndrome. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	27
47	Global analysis of DNA methylation in hepatocellular carcinoma by a liquid hybridization capture-based bisulfite sequencing approach. <i>Clinical Epigenetics</i> , 2015 , 7, 86	7.7	27
46	Origin and characteristics of an unusual pyridine nucleotide accumulating in erythrocytes: positive correlation with degree of renal failure. <i>Clinica Chimica Acta</i> , 2003 , 335, 117-29	6.2	25
45	STAT5B: A Differential Regulator of the Life and Death of CD4 Effector Memory T Cells. <i>Journal of Immunology</i> , 2018 , 200, 110-118	5.3	21
44	Rapid Enhancer Remodeling and Transcription Factor Repurposing Enable High Magnitude Gene Induction upon Acute Activation of NK Cells. <i>Immunity</i> , 2020 , 53, 745-758.e4	32.3	20
43	IL-10 induces a STAT3-dependent autoregulatory loop in T2 cells that promotes Blimp-1 restriction of cell expansion via antagonism of STAT5 target genes. <i>Science Immunology</i> , 2016 , 1,	28	19
42	TNF overproduction impairs epithelial staphylococcal response in hyper IgE syndrome. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3595-3604	15.9	19

41	Identification of pro-interleukin 16 as a novel target of MAP kinases in activated T lymphocytes. <i>European Journal of Immunology</i> , 2004 , 34, 587-97	6.1	18
40	Viral integration drives multifocal HCC during the occult HBV infection. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 261	12.8	17
39	STAT-3-independent production of IL-17 by mouse innate-like $\gamma\delta$ T cells controls ocular infection. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1079-1090	16.6	17
38	IL-23 and IL-2 activation of STAT5 is required for optimal IL-22 production in ILC3s during colitis. <i>Science Immunology</i> , 2020 , 5,	28	15
37	Autocrine vitamin D signaling switches off pro-inflammatory programs of T1 cells. <i>Nature Immunology</i> , 2021 ,	19.1	14
36	Programmed Cell Death-1 Receptor (PD-1)-Mediated Regulation of Innate Lymphoid Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
35	4-pyridone-3-carboxamide ribonucleoside triphosphate accumulating in erythrocytes in end stage renal failure originates from tryptophan metabolism. <i>Clinical and Experimental Medicine</i> , 2007 , 7, 135-41	4.9	12
34	Tissue inhibitor of metalloproteinase 1 is preferentially expressed in Th1 and Th17 T-helper cell subsets and is a direct STAT target gene. <i>PLoS ONE</i> , 2013 , 8, e59367	3.7	12
33	SARS-CoV2 drives JAK1/2-dependent local and systemic complement hyper-activation 2020 ,		12
32	The Role of PTEN in Innate and Adaptive Immunity. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019 , 9,	5.4	11
31	A variant in with a selective IL-11 signaling defect in human and mouse. <i>Bone Research</i> , 2020 , 8, 24	13.3	11
30	An unusual pyridine nucleotide accumulating in erythrocytes: its identity and positive correlation with degree of renal failure. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004 , 23, 1135-9	1.4	9
29	A degrading view of regulatory T cells. <i>Immunity</i> , 2013 , 39, 201-3	32.3	8
28	Loss of 11 β SD1 enhances glycolysis, facilitates intrahepatic metastasis, and indicates poor prognosis in hepatocellular carcinoma. <i>Oncotarget</i> , 2016 , 7, 2038-53	3.3	8
27	T Helper Plasticity Is Orchestrated by STAT3, Bcl6, and Blimp-1 Balancing Pathology and Protection in Malaria. <i>IScience</i> , 2020 , 23, 101310	6.1	8
26	An autocrine Vitamin D-driven Th1 shutdown program can be exploited for COVID-19 2020 ,		7
25	Biochemical basis for the impaired immune response in chronic renal failure?. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 431, 559-63	3.6	6
24	Cerebral and pulmonary nocardia in a bone marrow transplant patient. <i>British Journal of Haematology</i> , 2005 , 129, 711	4.5	5

23	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 585-598	11.5	5
22	Tbet is a critical modulator of FoxP3 expression in autoimmune graft–host disease. <i>Haematologica</i> , 2017 , 102, 1446-1456	6.6	4
21	IL-1 watches the watchmen. <i>Nature Immunology</i> , 2015 , 16, 226-7	19.1	4
20	Therapeutic inhibition of the Janus kinases. <i>Inflammation and Regeneration</i> , 2012 , 32, 016-022	10.9	3
19	Preferential Loss of Th17 T-cells at Mucosal Sites Predicts AIDS Progression in Simian Immunodeficiency Virus-Infected Macaques. <i>FASEB Journal</i> , 2008 , 22, 852.7	0.9	3
18	Erythrocyte CDP-choline accumulation in haemolytic anaemia and renal failure (RF). <i>Advances in Experimental Medicine and Biology</i> , 1998 , 431, 155-9	3.6	3
17	DAPK1 (death associated protein kinase 1) mediates mTORC1 activation and antiviral activities in CD8 T cells. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 138-149	15.4	2
16	Inborn errors of IL-6 family cytokine responses. <i>Current Opinion in Immunology</i> , 2021 , 72, 135-145	7.8	2
15	ATP6V0d2 mediates leucine-induced mTORC1 activation and polarization of macrophages. <i>Protein and Cell</i> , 2019 , 10, 615-619	7.2	1
14	When half a glass of STAT3 is just not enough. <i>Blood</i> , 2016 , 128, 3020-3021	2.2	1
13	Protein Kinase Antagonists in Therapy of Immunological and Inflammatory Diseases 2019 , 1185-1196.e1		1
12	Effector Mechanisms in Autoimmunity 2014 , 311-318		1
11	Elevated erythrocyte CDP-choline levels associated with beta-thalassaemia in patients with transfusion independent anaemia. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004 , 23, 1265-7	1.4	1
10	Dynamics of genomic and immune responses during primary immunotherapy resistance in mismatch repair-deficient tumors. <i>Journal of Physical Education and Sports Management</i> , 2020 , 6,	2.8	1
9	Death-associated protein kinase 1 (DAPK1) controls CD8 T cell activation, trafficking, and antitumor activity. <i>FASEB Journal</i> , 2021 , 35, e21138	0.9	1
8	ATP6V0d2 Suppresses Alveoli Macrophage Alternative Polarization and Allergic Asthma via Degradation of PU.1. <i>Allergy, Asthma and Immunology Research</i> , 2021 , 13, 479-497	5.3	1
7	Evaluation of adenine concentration in plasma of patients with renal failure using improved ultrafiltration technique. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 431, 785-7	3.6	1
6	Function of JAKs and STATs in Lymphocytes: Bench to Bedside 2012 , 205-237		

5 Signal Transduction and TH17 Cell Differentiation **2011**, 157-182

4 Protein kinase antagonists as therapeutic agents for immunological and inflammatory disorders
2008, 1341-1351

3 Disorders of Granulopoiesis and Granulocyte Function 303-339

2 Protein kinase antagonists as therapeutic agents for immunological and inflammatory disorders
2013, 1085-1094

1 Effector Mechanisms in Autoimmunity **2020**, 319-329