

# Arian Laurence

## List of Publications by Year in descending order

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136  
papers

23,118  
citations

13865

67  
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15732

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142  
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142  
docs citations

142  
times ranked

27634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-2 Signaling via STAT5 Constrains T Helper 17 Cell Generation. <i>Immunity</i> , 2007, 26, 371-381.	14.3	1,317
2	Generation of pathogenic TH17 cells in the absence of TGF- $\beta^2$ signalling. <i>Nature</i> , 2010, 467, 967-971.	27.8	1,253
3	The JAK-STAT Pathway: Impact on Human Disease and Therapeutic Intervention. <i>Annual Review of Medicine</i> , 2015, 66, 311-328.	12.2	1,074
4	Impaired TH17 cell differentiation in subjects with autosomal dominant hyper-IgE syndrome. <i>Nature</i> , 2008, 452, 773-776.	27.8	1,046
5	Janus kinases in immune cell signaling. <i>Immunological Reviews</i> , 2009, 228, 273-287.	6.0	982
6	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, 314-324.	14.5	921
7	An Autoinflammatory Disease with Deficiency of the Interleukin-1 Receptor Antagonist. <i>New England Journal of Medicine</i> , 2009, 360, 2426-2437.	27.0	892
8	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, 937-945.	14.5	874
9	Mechanisms and consequences of Jak-STAT signaling in the immune system. <i>Nature Immunology</i> , 2017, 18, 374-384.	14.5	870
10	Interleukins 27 and 6 induce STAT3-mediated T cell production of interleukin 10. <i>Nature Immunology</i> , 2007, 8, 1363-1371.	14.5	733
11	Diverse Targets of the Transcription Factor STAT3 Contribute to T Cell Pathogenicity and Homeostasis. <i>Immunity</i> , 2010, 32, 605-615.	14.3	605
12	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, 8137-8142.	7.1	580
13	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, 34605-34610.	3.4	549
14	Opposing regulation of the locus encoding IL-17 through direct, reciprocal actions of STAT3 and STAT5. <i>Nature Immunology</i> , 2011, 12, 247-254.	14.5	522
15	Nonredundant roles for Stat5a/b in directly regulating Foxp3. <i>Blood</i> , 2007, 109, 4368-4375.	1.4	488
16	Mechanisms of Jak/STAT Signaling in Immunity and Disease. <i>Journal of Immunology</i> , 2015, 194, 21-27.	0.8	440
17	Retinoic acid inhibits Th17 polarization and enhances FoxP3 expression through a Stat-3/Stat-5 independent signaling pathway. <i>Blood</i> , 2008, 111, 1013-1020.	1.4	392
18	Th17 Cells Are Long Lived and Retain a Stem Cell-like Molecular Signature. <i>Immunity</i> , 2011, 35, 972-985.	14.3	392

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19	Janus kinase inhibitors in autoimmune diseases. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, ii111-ii115.	0.9	350
20	Distinct regulation of interleukin-17 in human T helper lymphocytes. <i>Arthritis and Rheumatism</i> , 2007, 56, 2936-2946.	6.7	321
21	Regulation of MicroRNA Expression and Abundance during Lymphopoiesis. <i>Immunity</i> , 2010, 32, 828-839.	14.3	307
22	Genomic views of STAT function in CD4+ T helper cell differentiation. <i>Nature Reviews Immunology</i> , 2011, 11, 239-250.	22.7	251
23	Transforming Growth Factor $\beta$ Subverts the Immune System into Directly Promoting Tumor Growth through Interleukin-17. <i>Cancer Research</i> , 2008, 68, 3915-3923.	0.9	233
24	IL-2 Controls the Stability of Foxp3 Expression in TGF- $\beta$ -Induced Foxp3+ T Cells In Vivo. <i>Journal of Immunology</i> , 2011, 186, 6329-6337.	0.8	233
25	Signal transduction pathways and transcriptional regulation in the control of Th17 differentiation. <i>Seminars in Immunology</i> , 2007, 19, 400-408.	5.6	231
26	Interleukin-27 Priming of T Cells Controls IL-17 Production In trans via Induction of the Ligand PD-L1. <i>Immunity</i> , 2012, 36, 1017-1030.	14.3	229
27	Selectivity and therapeutic inhibition of kinases: to be or not to be?. <i>Nature Immunology</i> , 2009, 10, 356-360.	14.5	218
28	Therapeutic targeting of Janus kinases. <i>Immunological Reviews</i> , 2008, 223, 132-142.	6.0	212
29	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, 279-288.	6.0	212
30	Role of IL-17 and regulatory T lymphocytes in a systemic autoimmune disease. <i>Journal of Experimental Medicine</i> , 2006, 203, 2785-2791.	8.5	210
31	IL-27 Limits IL-2 Production during Th1 Differentiation. <i>Journal of Immunology</i> , 2006, 176, 237-247.	0.8	196
32	Signal transduction pathways and transcriptional regulation in Th17 cell differentiation. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 425-434.	7.2	195
33	Jakinibs: a new class of kinase inhibitors in cancer and autoimmune disease. <i>Current Opinion in Pharmacology</i> , 2012, 12, 464-470.	3.5	193
34	T helper 17 cell heterogeneity and pathogenicity in autoimmune disease. <i>Trends in Immunology</i> , 2011, 32, 395-401.	6.8	187
35	T cell activation induces proteasomal degradation of Argonaute and rapid remodeling of the microRNA repertoire. <i>Journal of Experimental Medicine</i> , 2013, 210, 417-432.	8.5	180
36	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, 209-222.	14.3	164

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37	Distinct requirements for T-bet in gut innate lymphoid cells. <i>Journal of Experimental Medicine</i> , 2012, 209, 2331-2338.	8.5	160
38	Positive and Negative Regulation of the IL-27 Receptor during Lymphoid Cell Activation. <i>Journal of Immunology</i> , 2005, 174, 7684-7691.	0.8	154
39	TH-17 differentiation: of mice and men. <i>Nature Immunology</i> , 2007, 8, 903-905.	14.5	152
40	Effect of Huaier granule on recurrence after curative resection of HCC: a multicentre, randomised clinical trial. <i>Gut</i> , 2018, 67, 2006-2016.	12.1	147
41	SARS-CoV-2 drives JAK1/2-dependent local complement hyperactivation. <i>Science Immunology</i> , 2021, 6, .	11.9	144
42	Mechanisms underlying helper T-cell plasticity: Implications for immune-mediated disease. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1276-1287.	2.9	138
43	Lactate inhibits ATP6V0d2 expression in tumor-associated macrophages to promote HIF-2 $\alpha$ -mediated tumor progression. <i>Journal of Clinical Investigation</i> , 2019, 129, 631-646.	8.2	138
44	Asymmetric Action of STAT Transcription Factors Drives Transcriptional Outputs and Cytokine Specificity. <i>Immunity</i> , 2015, 42, 877-889.	14.3	137
45	EZH2 is crucial for both differentiation of regulatory T cells and T effector cell expansion. <i>Scientific Reports</i> , 2015, 5, 10643.	3.3	129
46	Targeting JAK/STAT signalling in inflammatory skin diseases with small molecule inhibitors. <i>European Journal of Immunology</i> , 2017, 47, 1096-1107.	2.9	127
47	Translational and clinical advances in JAK-STAT biology: The present and future of jakinibs. <i>Journal of Leukocyte Biology</i> , 2018, 104, 499-514.	3.3	122
48	BACH2 immunodeficiency illustrates an association between super-enhancers and haploinsufficiency. <i>Nature Immunology</i> , 2017, 18, 813-823.	14.5	113
49	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.	8.5	112
50	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.	5.0	109
51	Back to the future: oral targeted therapy for RA and other autoimmune diseases. <i>Nature Reviews Rheumatology</i> , 2013, 9, 173-182.	8.0	106
52	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, 228-238.	3.2	106
53	Autocrine vitamin D signaling switches off pro-inflammatory programs of TH1 cells. <i>Nature Immunology</i> , 2022, 23, 62-74.	14.5	105
54	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.	14.3	104

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55	STAT1-Activating Cytokines Limit Th17 Responses through Both T-bet-Dependent and -Independent Mechanisms. <i>Journal of Immunology</i> , 2010, 185, 6461-6471.	0.8	103
56	Bone Marrow-Derived Mesenchymal Stromal Cells Harness Purinergic Signaling to Tolerize Human Th1 Cells In Vivo. <i>Stem Cells</i> , 2015, 33, 1200-1212.	3.2	102
57	The Current STATUS of lymphocyte signaling: new roles for old players. <i>Current Opinion in Immunology</i> , 2009, 21, 161-166.	5.5	101
58	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.	9.1	101
59	Mast Cell Interleukin-2 Production Contributes to Suppression of Chronic Allergic Dermatitis. <i>Immunity</i> , 2011, 35, 562-571.	14.3	98
60	Helper T-cell differentiation and plasticity: insights from epigenetics. <i>Immunology</i> , 2011, 134, 235-245.	4.4	96
61	Helper T-cell identity and evolution of differential transcriptomes and epigenomes. <i>Immunological Reviews</i> , 2013, 252, 24-40.	6.0	90
62	Reduced expression of transcriptional intermediary factor 1 gamma promotes metastasis and indicates poor prognosis of hepatocellular carcinoma. <i>Hepatology</i> , 2014, 60, 1620-1636.	7.3	89
63	Human retinoic acid-regulated CD161+ regulatory T cells support wound repair in intestinal mucosa. <i>Nature Immunology</i> , 2018, 19, 1403-1414.	14.5	86
64	JAK Kinases in Health and Disease: An Update. <i>Open Rheumatology Journal</i> , 2012, 6, 232-244.	0.2	85
65	Subset- and tissue-defined STAT5 thresholds control homeostasis and function of innate lymphoid cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 2999-3014.	8.5	85
66	Transcriptional and epigenetic networks of helper T and innate lymphoid cells. <i>Immunological Reviews</i> , 2014, 261, 23-49.	6.0	76
67	Signal transducer and activator of transcription 5 (STAT5) paralog dose governs T cell effector and regulatory functions. <i>ELife</i> , 2016, 5, .	6.0	74
68	A mouse model of HIES reveals pro- and anti-inflammatory functions of STAT3. <i>Blood</i> , 2014, 123, 2978-2987.	1.4	71
69	Dominant-negative mutations in human IL6ST underlie hyper-IgE syndrome. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	64
70	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.	2.9	63
71	Helper T cell differentiation enters a new era: Le Roi est mort; vive le Roi!. <i>Journal of Experimental Medicine</i> , 2006, 203, 809-812.	8.5	61
72	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.	1.1	57

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73	Retinoic Acid Receptor Alpha Represses a Th9 Transcriptional and Epigenomic Program to Reduce Allergic Pathology. <i>Immunity</i> , 2019, 50, 106-120.e10.	14.3	54
74	Kinase inhibitors in the treatment of immune-mediated disease. <i>F1000 Medicine Reports</i> , 2012, 4, 5.	2.9	53
75	Biology of recently discovered cytokines: discerning the pro- and anti-inflammatory properties of interleukin-27. <i>Arthritis Research</i> , 2004, 6, 225.	2.0	52
76	Signal transduction and Th17 cell differentiation. <i>Microbes and Infection</i> , 2009, 11, 599-611.	1.9	52
77	Global analysis of DNA methylation in hepatocellular carcinoma by a liquid hybridization capture-based bisulfite sequencing approach. <i>Clinical Epigenetics</i> , 2015, 7, 86.	4.1	48
78	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, 739-752.	4.0	47
79	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.	7.0	47
80	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.	14.3	46
81	An autoregulatory enhancer controls mammary-specific STAT5 functions. <i>Nucleic Acids Research</i> , 2016, 44, 1052-1063.	14.5	44
82	Location, movement and survival: the role of chemokines in haematopoiesis and malignancy. <i>British Journal of Haematology</i> , 2006, 132, 255-267.	2.5	43
83	Absence of GP130 cytokine receptor signaling causes extended StÅ¼ve-Wiedemann syndrome. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	41
84	IL-13-Producing Th1 and Th17 cells characterize adaptive responses to both self and foreign antigens. <i>European Journal of Immunology</i> , 2012, 42, 2322-2328.	2.9	39
85	Approaches to Define Antigen Receptor-induced Serine Kinase Signal Transduction Pathways. <i>Journal of Biological Chemistry</i> , 2003, 278, 9267-9275.	3.4	38
86	Interleukin-22: a sheep in wolf's clothing. <i>Nature Medicine</i> , 2008, 14, 247-249.	30.7	37
87	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.	2.8	35
88	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, 3312-3317.	7.1	35
89	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, .	11.9	32
90	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, 117-129.	1.1	29

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91	STAT5B: A Differential Regulator of the Life and Death of CD4+ Effector Memory T Cells. Journal of Immunology, 2018, 200, 110-118.	0.8	29
92	TNF overproduction impairs epithelial staphylococcal response in hyper IgE syndrome. Journal of Clinical Investigation, 2018, 128, 3595-3604.	8.2	28
93	Viral integration drives multifocal HCC during the occult HBV infection. Journal of Experimental and Clinical Cancer Research, 2019, 38, 261.	8.6	27
94	IL-10 induces a STAT3-dependent autoregulatory loop in T <sub>H</sub> 2 cells that promotes Blimp-1 restriction of cell expansion via antagonism of STAT5 target genes. Science Immunology, 2016, 1, .	11.9	26
95	STAT-3-independent production of IL-17 by mouse innate-like $\hat{1}^2$ T cells controls ocular infection. Journal of Experimental Medicine, 2018, 215, 1079-1090.	8.5	25
96	Inborn errors of IL-6 family cytokine responses. Current Opinion in Immunology, 2021, 72, 135-145.	5.5	25
97	The Role of PTEN in Innate and Adaptive Immunity. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a036996.	6.2	24
98	Programmed Cell Death-1 Receptor (PD-1)-Mediated Regulation of Innate Lymphoid Cells. International Journal of Molecular Sciences, 2019, 20, 2836.	4.1	23
99	A variant in IL6ST with a selective IL-11 signaling defect in human and mouse. Bone Research, 2020, 8, 24.	11.4	21
100	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. Journal of Allergy and Clinical Immunology, 2021, 148, 585-598.	2.9	20
101	Identification of pro-interleukin 16 as a novel target of MAP kinases in activated T lymphocytes. European Journal of Immunology, 2004, 34, 587-597.	2.9	19
102	T Helper Plasticity Is Orchestrated by STAT3, Bcl6, and Blimp-1 Balancing Pathology and Protection in Malaria. IScience, 2020, 23, 101310.	4.1	17
103	4-pyridone-3-carboxamide ribonucleoside triphosphate accumulating in erythrocytes in end stage renal failure originates from tryptophan metabolism. Clinical and Experimental Medicine, 2007, 7, 135-141.	3.6	15
104	Tissue Inhibitor of Metalloproteinase 1 Is Preferentially Expressed in Th1 and Th17 T-Helper Cell Subsets and Is a Direct Stat Target Gene. PLoS ONE, 2013, 8, e59367.	2.5	15
105	DAPK1 (death associated protein kinase 1) mediates mTORC1 activation and antiviral activities in CD8+ T cells. Cellular and Molecular Immunology, 2021, 18, 138-149.	10.5	13
106	Loss of $\hat{1}^2$ HSD1 enhances glycolysis, facilitates intrahepatic metastasis, and indicates poor prognosis in hepatocellular carcinoma. Oncotarget, 2016, 7, 2038-2053.	1.8	13
107	An Unusual Pyridine Nucleotide Accumulating in Erythrocytes: Its Identity, and Positive Correlation with Degree of Renal Failure. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1135-1139.	1.1	12
108	A Degrading View of Regulatory TÂCells. Immunity, 2013, 39, 201-203.	14.3	11

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109	IL-6 enhances CD4 cell motility by sustaining mitochondrial $Ca^{2+}$ through the noncanonical STAT3 pathway. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
110	Death-associated protein kinase 1 (DAPK1) controls CD8 $^{+}$ T cell activation, trafficking, and antitumor activity. FASEB Journal, 2021, 35, e21138.	0.5	9
111	Tbet is a critical modulator of FoxP3 expression in autoimmune graft- versus -host disease. Haematologica, 2017, 102, 1446-1456.	3.5	8
112	ATP6V0d2 mediates leucine-induced mTORC1 activation and polarization of macrophages. Protein and Cell, 2019, 10, 615-619.	11.0	8
113	Cerebral and pulmonary nocardia in a bone marrow transplant patient. British Journal of Haematology, 2005, 129, 711-711.	2.5	6
114	IL-1 watches the watchmen. Nature Immunology, 2015, 16, 226-227.	14.5	6
115	Biochemical Basis for the Impaired Immune Response in Chronic Renal Failure?. Advances in Experimental Medicine and Biology, 1998, 431, 559-563.	1.6	6
116	Erythrocyte Cdp-Choline Accumulation in Haemolytic Anaemia and Renal Failure (Rf). Advances in Experimental Medicine and Biology, 1998, 431, 155-159.	1.6	4
117	Preferential Loss of Th17 T cells at Mucosal Sites Predicts AIDS Progression in Simian Immunodeficiency Virus-Infected Macaques. FASEB Journal, 2008, 22, 852.7.	0.5	4
118	Elevated Erythrocyte CDP-Choline Levels Associated with $\beta$ -Thalassaemia in Patients with Transfusion Independent Anaemia. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1265-1267.	1.1	3
119	Interleukin 27 and viral hepatitis: Smarter than the average cytokine. Hepatology, 2009, 50, 358-360.	7.3	3
120	Dynamics of genomic and immune responses during primary immunotherapy resistance in mismatch repair-deficient tumors. Journal of Physical Education and Sports Management, 2020, 6, a005678.	1.2	3
121	Therapeutic inhibition of the Janus kinases. Inflammation and Regeneration, 2012, 32, 016-022.	3.7	3
122	When half a glass of STAT3 is just not enough. Blood, 2016, 128, 3020-3021.	1.4	2
123	Protein Kinase Antagonists in Therapy of Immunological and Inflammatory Diseases. , 2019, , 1185-1196.e1.		2
124	Evaluation Of Adenine Concentration in Plasma of Patients with Renal Failure Using Improved Ultrafiltration Technique. Advances in Experimental Medicine and Biology, 1998, 431, 785-787.	1.6	2
125	Disorders of Granulopoiesis and Granulocyte Function. , 0, , 303-339.		1
126	Effector Mechanisms in Autoimmunity. , 2014, , 311-318.		1



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127	Viral integration signature in multifocal hepatocellular carcinoma during occult hepatitis B virus infection: a single-cell sequencing analysis. Lancet, The, 2015, 386, S30.	13.7	1
128	ATP6V0d2 Suppresses Alveoli Macrophage Alternative Polarization and Allergic Asthma via Degradation of PU.1. Allergy, Asthma and Immunology Research, 2021, 13, 479.	2.9	1
129	146 A Central Role for Interleukin 27 and IL-6 Mediated Activation of STAT3 in T Cell Production of IL-10. Cytokine, 2007, 39, 40-41.	3.2	0
130	OR.3. Absent Th17 Responses in Patients with Hyper-IgE Syndrome and STAT3 Mutation. Clinical Immunology, 2008, 127, S5.	3.2	0
131	Protein kinase antagonists as therapeutic agents for immunological and inflammatory disorders. , 2008, , 1341-1351.		0
132	The protective role of Tregs and Mast Cells in Chronic Allergic Dermatitis. Journal of Allergy and Clinical Immunology, 2010, 125, AB180.	2.9	0
133	Signal Transduction and TH17 Cell Differentiation. , 2011, , 157-182.		0
134	Function of JAKs and STATs in Lymphocytes: Bench to Bedside. , 2012, , 205-237.		0
135	Effector Mechanisms in Autoimmunity. , 2020, , 319-329.		0
136	Protein kinase antagonists as therapeutic agents for immunological and inflammatory disorders. , 2013, , 1085-1094.		0