Jinfang Zhu

List of Publications by Year
in descending order

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119 papers	20,381 citations	22099 59 h-index	18075 120 g-index
126 all docs	126 docs citations	126 times ranked	26296 citing authors

#	Article	IF	Citations
1	Differentiation of Effector CD4 T Cell Populations. Annual Review of Immunology, 2010, 28, 445-489.	9.5	2,783
2	CD4 T cells: fates, functions, and faults. Blood, 2008, 112, 1557-1569.	0.6	1,333
3	Global Mapping of H3K4me3 and H3K27me3 Reveals Specificity and Plasticity in Lineage Fate Determination of Differentiating CD4+ T Cells. Immunity, 2009, 30, 155-167.	6.6	1,005
4	How are TH2-type immune responses initiated and amplified?. Nature Reviews Immunology, 2010, 10, 225-235.	10.6	780
5	A Molecular Roadmap of Reprogramming Somatic Cells into iPS Cells. Cell, 2012, 151, 1617-1632.	13.5	762
6	Conditional deletion of Gata3 shows its essential function in TH1-TH2 responses. Nature Immunology, 2004, 5, 1157-1165.	7.0	572
7	Opposing regulation of the locus encoding IL-17 through direct, reciprocal actions of STAT3 and STAT5. Nature Immunology, 2011, 12, 247-254.	7.0	522
8	Steady-state production of IL-4 modulates immunity in mouse strains and is determined by lineage diversity of iNKT cells. Nature Immunology, 2013, 14, 1146-1154.	7.0	510
9	Peripheral CD4⁺ Tâ€cell differentiation regulated by networks of cytokines and transcription factors. Immunological Reviews, 2010, 238, 247-262.	2.8	479
10	Tissue-resident natural killer (NK) cells are cell lineages distinct from thymic and conventional splenic NK cells. ELife, 2014, 3, e01659.	2.8	478
11	Heterogeneity and plasticity of T helper cells. Cell Research, 2010, 20, 4-12.	5.7	465
12	GATA3 controls Foxp3+ regulatory T cell fate during inflammation in mice. Journal of Clinical Investigation, 2011, 121, 4503-4515.	3.9	462
13	Expression and regulation of intergenic long noncoding RNAs during T cell development and differentiation. Nature Immunology, 2013, 14, 1190-1198.	7.0	414
14	S1P-dependent interorgan trafficking of group 2 innate lymphoid cells supports host defense. Science, 2018, 359, 114-119.	6.0	408
15	Basophils Produce IL-4 and Accumulate in Tissues after Infection with a Th2-inducing Parasite. Journal of Experimental Medicine, 2004, 200, 507-517.	4.2	379
16	IL-1 family members and STAT activators induce cytokine production by Th2, Th17, and Th1 cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13463-13468.	3.3	362
17	GATA-3 promotes Th2 responses through three different mechanisms: induction of Th2 cytokine production, selective growth of Th2 cells and inhibition of Th1 cell-specific factors. Cell Research, 2006, 16, 3-10.	5.7	352
18	Interleukin 2 plays a central role in Th2 differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3880-3885.	3.3	340

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19	The Transcription Factor GATA3 Is Critical for the Development of All IL-7RÎ±-Expressing Innate Lymphoid Cells. Immunity, 2014, 40, 378-388.	6.6	320
20	Stat5 Activation Plays a Critical Role in Th2 Differentiation. Immunity, 2003, 19, 739-748.	6.6	307
21	T helper 2 (Th2) cell differentiation, type 2 innate lymphoid cell (ILC2) development and regulation of interleukin-4 (IL-4) and IL-13 production. Cytokine, 2015, 75, 14-24.	1.4	307
22	Genome-wide Analyses of Transcription Factor GATA3-Mediated Gene Regulation in Distinct T Cell Types. Immunity, 2011, 35, 299-311.	6.6	293
23	The Transcription Factor T-bet Is Induced by Multiple Pathways and Prevents an Endogenous Th2 Cell Program during Th1 Cell Responses. Immunity, 2012, 37, 660-673.	6.6	269
24	Stat6 Is Necessary and Sufficient for IL-4â€™s Role in Th2 Differentiation and Cell Expansion. Journal of Immunology, 2001, 166, 7276-7281.	0.4	241
25	Independent roles for IL-2 and GATA-3 in stimulating naive CD4+ T cells to generate a Th2-inducing cytokine environment. Journal of Experimental Medicine, 2005, 202, 793-804.	4.2	237
26	Dynamic expression of transcription factors T-bet and GATA-3 by regulatory T cells maintains immunotolerance. Nature Immunology, 2015, 16, 197-206.	7.0	237
27	T Helper Cell Differentiation, Heterogeneity, and Plasticity. Cold Spring Harbor Perspectives in Biology, 2018, 10, a030338.	2.3	222
28	STAT6-Dependent Regulation of Th9 Development. Journal of Immunology, 2012, 188, 968-975.	0.4	198
29	An updated view on transcription factor GATA3-mediated regulation of Th1 and Th2 cell differentiation. International Immunology, 2011, 23, 415-420.	1.8	188
30	Transformation of Accessible Chromatin and 3D Nucleome Underlies Lineage Commitment of Early T Cells. Immunity, 2018, 48, 227-242.e8.	6.6	188
31	Distinct functions for the transcription factors GATA-3 and ThPOK during intrathymic differentiation of CD4+ T cells. Nature Immunology, 2008, 9, 1122-1130.	7.0	186
32	The transcription factor E4BP4 regulates the production of IL-10 and IL-13 in CD4+ T cells. Nature Immunology, 2011, 12, 450-459.	7.0	184
33	miR-155 Activates Cytokine Gene Expression in Th17 Cells by Regulating the DNA-Binding Protein Jarid2 to Relieve Polycomb-Mediated Repression. Immunity, 2014, 40, 865-879.	6.6	178
34	Growth Factor Independent-1 Induced by IL-4 Regulates Th2 Cell Proliferation. Immunity, 2002, 16, 733-744.	6.6	177
35	Dynamic balance between master transcription factors determines the fates and functions of CD4 T cell and innate lymphoid cell subsets. Journal of Experimental Medicine, 2017, 214, 1861-1876.	4.2	165
36	Homeostatic Control of Sebaceous Glands by Innate Lymphoid Cells Regulates Commensal Bacteria Equilibrium. Cell, 2019, 176, 982-997.e16.	13.5	159

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37	The Transcription Factor GATA3 Actively Represses RUNX3 Protein-Regulated Production of Interferon-Î³. Immunity, 2010, 32, 507-517.	6.6	151
38	CD4 T Helper Cell Subsets and Related Human Immunological Disorders. International Journal of Molecular Sciences, 2020, 21, 8011.	1.8	148
39	The Transcription Factor T-bet Resolves Memory B Cell Subsets with Distinct Tissue Distributions and Antibody Specificities in Mice and Humans. Immunity, 2020, 52, 842-855.e6.	6.6	144
40	Down-regulation of Gfi-1 expression by TGF-Î² is important for differentiation of Th17 and CD103+ inducible regulatory T cells. Journal of Experimental Medicine, 2009, 206, 329-341.	4.2	124
41	Group 3 innate lymphoid cells continuously require the transcription factor GATA-3 after commitment. Nature Immunology, 2016, 17, 169-178.	7.0	116
42	Cutting Edge: Notch Signaling Promotes the Plasticity of Group-2 Innate Lymphoid Cells. Journal of Immunology, 2017, 198, 1798-1803.	0.4	115
43	The transcription factor Bhlhe40 is a switch of inflammatory versus antiinflammatory Th1 cell fate determination. Journal of Experimental Medicine, 2018, 215, 1813-1821.	4.2	115
44	The Transcription Factor IRF8 Activates Integrin-Mediated TGF-Î² Signaling and Promotes Neuroinflammation. Immunity, 2014, 40, 187-198.	6.6	111
45	Critical Role of p38 and GATA3 in Natural Helper Cell Function. Journal of Immunology, 2013, 191, 1818-1826.	0.4	109
46	Origin and functions of pro-inflammatory cytokine producing Foxp3+ regulatory T cells. Cytokine, 2015, 76, 13-24.	1.4	109
47	Orchestration between ILC2s and Th2 cells in shaping type 2 immune responses. Cellular and Molecular Immunology, 2019, 16, 225-235.	4.8	107
48	PD-1 Inhibitory Receptor Downregulates Asparaginyl Endopeptidase and Maintains Foxp3 Transcription Factor Stability in Induced Regulatory T Cells. Immunity, 2018, 49, 247-263.e7.	6.6	104
49	Gfi-1 plays an important role in IL-2-mediated Th2 cell expansion. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18214-18219.	3.3	102
50	T-bet-dependent NKp46+ innate lymphoid cells regulate the onset of TH17-induced neuroinflammation. Nature Immunology, 2017, 18, 1117-1127.	7.0	99
51	Th1 Differentiation Drives the Accumulation of Intravascular, Non-protective CD4ÂT Cells during Tuberculosis. Cell Reports, 2017, 18, 3091-3104.	2.9	94
52	Requirement for the basic helix-loop-helix transcription factor Dec2 in initial TH2 lineage commitment. Nature Immunology, 2009, 10, 1260-1266.	7.0	87
53	BRD4 directs hematopoietic stem cell development and modulates macrophage inflammatory responses. EMBO Journal, 2019, 38, .	3.5	83
54	In TH2 cells the Il4 gene has a series of accessibility states associated with distinctive probabilities of IL-4 production. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10623-10628.	3.3	72

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55	Formation of IL-7RÎ±high and IL-7RÎ±low CD8 T Cells during Infection Is Regulated by the Opposing Functions of GABPÎ± and Gfi-1. Journal of Immunology, 2008, 180, 5309-5319.	0.4	72
56	Transient T-bet expression functionally specifies a distinct T follicular helper subset. Journal of Experimental Medicine, 2018, 215, 2705-2714.	4.2	68
57	Evidence that Growth factor independence 1b regulates dormancy and peripheral blood mobilization of hematopoietic stem cells. Blood, 2010, 116, 5149-5161.	0.6	66
58	Growth Factor Independence 1 Antagonizes a p53-Induced DNA Damage Response Pathway in Lymphoblastic Leukemia. Cancer Cell, 2013, 23, 200-214.	7.7	65
59	Memory-phenotype CD4 ⁺ T cells spontaneously generated under steady-state conditions exert innate T _H 1-like effector function. Science Immunology, 2017, 2, .	5.6	65
60	Recent advances in understanding the Th1/Th2 effector choice. Faculty Reviews, 2021, 10, 30.	1.7	65
61	Gfi1 integrates progenitor versus granulocytic transcriptional programming. Blood, 2009, 113, 5466-5475.	0.6	64
62	Transcription factor Gfi-1 induced by G-CSF is a negative regulator of CXCR4 in myeloid cells. Blood, 2007, 110, 2276-2285.	0.6	61
63	KLF13 sustains thymic memory-like CD8+ T cells in BALB/c mice by regulating IL-4â€“generating invariant natural killer T cells. Journal of Experimental Medicine, 2011, 208, 1093-1103.	4.2	61
64	Molecular mechanisms of interleukin-4-induced up-regulation of type I collagen gene expression in murine fibroblasts. Arthritis and Rheumatism, 2003, 48, 2275-2284.	6.7	58
65	MicroRNA126 contributes to granulocyte colony-stimulating factor-induced hematopoietic progenitor cell mobilization by reducing the expression of vascular cell adhesion molecule 1. Haematologica, 2012, 97, 818-826.	1.7	55
66	Transcriptional Regulatory Networks for CD4 T Cell Differentiation. Current Topics in Microbiology and Immunology, 2014, 381, 125-172.	0.7	54
67	GATA3 Regulates the Development and Functions of Innate Lymphoid Cell Subsets at Multiple Stages. Frontiers in Immunology, 2017, 8, 1571.	2.2	54
68	Transient Inhibition of Interleukin 4 Signaling by T Cell Receptor Ligation. Journal of Experimental Medicine, 2000, 192, 1125-1134.	4.2	53
69	Transcriptional regulation of Th2 cell differentiation. Immunology and Cell Biology, 2010, 88, 244-249.	1.0	52
70	Differential Expression of the Transcription Factor GATA3 Specifies Lineage and Functions of Innate Lymphoid Cells. Immunity, 2020, 52, 83-95.e4.	6.6	52
71	Transcriptional regulators dictate innate lymphoid cell fates. Protein and Cell, 2017, 8, 242-254.	4.8	49
72	The sequential activity of Gata3 and Thpok is required for the differentiation of CD1dâ€restricted CD4⁺ NKT cells. European Journal of Immunology, 2010, 40, 2385-2390.	1.6	46

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73	Lymphoid tissue inducerâ€"A divergent member of the ILC family. Cytokine and Growth Factor Reviews, 2018, 42, 5-12.	3.2	45
74	Molecular switches for regulating the differentiation of inflammatory and IL-10-producing anti-inflammatory T-helper cells. Cellular and Molecular Life Sciences, 2020, 77, 289-303.	2.4	44
75	The transcription factor Gfi1 regulates G-CSF signaling and neutrophil development through the Ras activator RasGRP1. Blood, 2010, 115, 3970-3979.	0.6	43
76	Thpokâ€independent repression of <scp>R</scp>unx3 by <scp>G</scp>ata3 during <scp>CD</scp>4⁺<scp>T</scp>â€cell differentiation in the thymus. European Journal of Immunology, 2013, 43, 918-928.	1.6	43
77	Bcl11b, a novel GATA3-interacting protein, suppresses Th1 while limiting Th2 cell differentiation. Journal of Experimental Medicine, 2018, 215, 1449-1462.	4.2	41
78	TGF-Î² Cytokine Signaling Promotes CD8+ T Cell Development and Low-Affinity CD4+ T Cell Homeostasis by Regulation of Interleukin-7 Receptor Î± Expression. Immunity, 2013, 39, 335-346.	6.6	39
79	Individual T Helper Cells Have a Quantitative Cytokine Memory. Immunity, 2015, 42, 108-122.	6.6	38
80	The obesity-induced transcriptional regulator TRIP-Br2 mediates visceral fat endoplasmic reticulum stress-induced inflammation. Nature Communications, 2016, 7, 11378.	5.8	37
81	Jak-STAT pathway is involved in the induction ofTNF-Î² gene during stimulation by IL-2. European Journal of Immunology, 1998, 28, 805-810.	1.6	34
82	CD4+ T Cell Plasticityâ€"Th2 Cells Join the Crowd. Immunity, 2010, 32, 11-13.	6.6	34
83	Elevating Calcium in Th2 Cells Activates Multiple Pathways to Induce IL-4 Transcription and mRNA Stabilization. Journal of Immunology, 2008, 181, 3984-3993.	0.4	31
84	Immunologic Applications of Conditional Gene Modification Technology in the Mouse. Current Protocols in Immunology, 2014, 105, 10.34.1-10.34.13.	3.6	28
85	Histone demethylases UTX and JMJD3 are required for NKT cell development in mice. Cell and Bioscience, 2017, 7, 25.	2.1	28
86	Recent advances in understanding the role of IL-4 signaling. Faculty Reviews, 2021, 10, 71.	1.7	28
87	Interleukin-4 elicits apoptosis of developing mast cells via a Stat6-dependent mitochondrial pathway. Experimental Hematology, 2004, 32, 52-59.	0.2	27
88	IL-4 selectively enhances FcÎ³RIII expression and signaling on mouse mast cells. Cellular Immunology, 2003, 224, 65-73.	1.4	23
89	Novel Function of Extracellular Matrix Protein 1 in Suppressing Th17 Cell Development in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2016, 197, 1054-1064.	0.4	22
90	Gfi1, a transcriptional repressor, inhibits the induction of the T helper type 1 programme in activated <scp>CD</scp>4 T cells. Immunology, 2016, 147, 476-487.	2.0	21

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91	TCR signaling fuels Treg cell suppressor function. Nature Immunology, 2014, 15, 1002-1003.	7.0	20
92	Lipid phosphatases identified by screening a mouse phosphatase shRNA library regulate T-cell differentiation and Protein kinase B AKT signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1849-56.	3.3	19
93	Disrupting Il13 impairs production of IL-4 specified by the linked allele. Nature Immunology, 2001, 2, 461-466.	7.0	18
94	Foreign antigen-independent memory-phenotype CD4+ T cells: a new player in innate immunity?. Nature Reviews Immunology, 2018, 18, 1-1.	10.6	17
95	Requirements for the differentiation of innate T-bethigh memory-phenotype CD4+ T lymphocytes under steady state. Nature Communications, 2020, 11, 3366.	5.8	16
96	Cloning of a cDNA encoding a nerve growth factor precursor from the Agkistrodon halys Pallas. Toxicon, 1999, 37, 465-470.	0.8	15
97	Small-Molecule RORÎ³t Antagonists: One Stone Kills Two Birds. Trends in Immunology, 2017, 38, 229-231.	2.9	13
98	Mysterious ILC2 tissue adaptation. Nature Immunology, 2018, 19, 1042-1044.	7.0	13
99	Bcl11b drives the birth of ILC2 innate lymphocytes. Journal of Experimental Medicine, 2015, 212, 828-828.	4.2	11
100	Differential regulation of transcription factor T-bet induction during NK cell development and T helper-1 cell differentiation. Immunity, 2022, 55, 639-655.e7.	6.6	11
101	Transcriptional Regulatory Network for the Development of Innate Lymphoid Cells. Mediators of Inflammation, 2015, 2015, 1-8.	1.4	10
102	B cell residency but not T cellâ€“independent IgA switching in the gut requires innate lymphoid cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
103	Innate Lymphoid Cells and Intestinal Inflammatory Disorders. International Journal of Molecular Sciences, 2022, 23, 1856.	1.8	10
104	IL-7RÎ± Expression Regulates Murine Dendritic Cell Sensitivity to Thymic Stromal Lymphopoietin. Journal of Immunology, 2017, 198, 3909-3918.	0.4	9
105	Cutting Edge: Core Binding Factor Î² Is Required for Group 2 Innate Lymphoid Cell Activation. Journal of Immunology, 2019, 202, 1669-1673.	0.4	8
106	Critical Sites for the Interaction between IL-2RÎ³ and JAK3 and the Following Signaling. Biochemical and Biophysical Research Communications, 2001, 283, 598-605.	1.0	7
107	A Novel Protein MAJN Binds to Jak3 and Inhibits Apoptosis Induced by IL-2 Deprival. Biochemical and Biophysical Research Communications, 2000, 270, 267-271.	1.0	6
108	B Cells Negatively Regulate the Establishment of CD49b+T-bet+ Resting Memory T Helper Cells in the Bone Marrow. Frontiers in Immunology, 2016, 7, 26.	2.2	6

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109	Redefining the Foreign Antigen and Self-Driven Memory CD4+ T-Cell Compartments via Transcriptomic, Phenotypic, and Functional Analyses. Frontiers in Immunology, 2022, 13, .	2.2	6
110	Tet2: Breaking Down Barriers to T Cell Cytokine Expression. Immunity, 2015, 42, 593-595.	6.6	4
111	Identification of a serine protease with nerve growth promoting activity from snake venom. NeuroReport, 1998, 9, 3577-3581.	0.6	3
112	Enhanced Cell Division Is Required for the Generation of Memory CD4 T Cells to Migrate Into Their Proper Location. Frontiers in Immunology, 2020, 10, 3113.	2.2	2
113	The positive and negative control actions of PTPase on IL-2 signaling. Science in China Series C: Life Sciences, 1999, 42, 614-620.	1.3	1
114	GATA3 and STAT5 â€“ Critical Inducers of the Th2 Fate. Retrovirology, 2005, 2, S16.	0.9	1
115	Seventeen-Year Journey Working With a Master. Frontiers in Immunology, 2018, 9, 960.	2.2	1
116	Editorial: Continued Fascinationâ€“A Tribute to a Giant in Immunology, Dr. William E. Paul. Frontiers in Immunology, 2019, 10, 354.	2.2	1
117	IFNÎ³ suppresses the expression of GFI1 and thereby inhibits Th2 cell proliferation. PLoS ONE, 2021, 16, e0260204.	1.1	1
118	Study on the interaction between Jak3 and IL-2R Î³ using the yeast two-hybrid system. Science Bulletin, 1999, 44, 1664-1669.	1.7	0
119	Transcriptional regulation of Th2 differentiation. Retrovirology, 2006, 3, 1.	0.9	0