Hu Zeng

List of Publications by Year
in descending order

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48 papers	3,232 citations	236612 25 h-index	264894 42 g-index
51 all docs	51 docs citations	51 times ranked	5494 citing authors

#	Article	IF	Citations
1	mTORC1 couples immune signals and metabolic programming to establish Treg-cell function. Nature, 2013, 499, 485-490.	13.7	645
2	T Cell Exit from Quiescence and Differentiation into Th2 Cells Depend on Raptor-mTORC1-Mediated Metabolic Reprogramming. Immunity, 2013, 39, 1043-1056.	6.6	316
3	mTORC1 and mTORC2 Kinase Signaling and Glucose Metabolism Drive Follicular Helper T Cell Differentiation. Immunity, 2016, 45, 540-554.	6.6	283
4	Metabolic control of regulatory T cell development and function. Trends in Immunology, 2015, 36, 3-12.	2.9	227
5	Metabolism as a guiding force for immunity. Nature Cell Biology, 2019, 21, 85-93.	4.6	214
6	Spatiotemporal Basis of CTLA-4 Costimulatory Molecule-Mediated Negative Regulation of T Cell Activation. Immunity, 2010, 33, 326-339.	6.6	165
7	Phosphatase of Regenerating Liver-3 Promotes Motility and Metastasis of Mouse Melanoma Cells. American Journal of Pathology, 2004, 164, 2039-2054.	1.9	153
8	mTOR signaling in the differentiation and function of regulatory and effector T cells. Current Opinion in Immunology, 2017, 46, 103-111.	2.4	137
9	mTOR coordinates transcriptional programs and mitochondrial metabolism of activated Treg subsets to protect tissue homeostasis. Nature Communications, 2018, 9, 2095.	5.8	133
10	Bcl10 plays a critical role in NF-ÂB activation induced by G protein-coupled receptors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 145-150.	3.3	99
11	mTOR and lymphocyte metabolism. Current Opinion in Immunology, 2013, 25, 347-355.	2.4	85
12	Tuberous sclerosis 1 (Tsc1)-dependent metabolic checkpoint controls development of dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4894-903.	3.3	76
13	Homeostasis and transitional activation of regulatory T cells require c-Myc. Science Advances, 2020, 6, eaaw6443.	4.7	59
14	mTOR and metabolic regulation of conventional and regulatory T cells. Journal of Leukocyte Biology, 2015, 97, 837-847.	1.5	46
15	Bone marrow adipose tissue-derived stem cell factor mediates metabolic regulation of hematopoiesis. Haematologica, 2019, 104, 1731-1743.	1.7	40
16	Bcl10 Plays a Divergent Role in NK Cell-Mediated Cytotoxicity and Cytokine Generation. Journal of Immunology, 2007, 179, 3752-3762.	0.4	38
17	Nuclear Export of the NF-Î°B Inhibitor IÎ°BÎ± Is Required for Proper B Cell and Secondary Lymphoid Tissue Formation. Immunity, 2011, 34, 188-200.	6.6	38
18	The interplay between regulatory T cells and metabolism in immune regulation. OncoImmunology, 2013, 2, e26586.	2.1	37

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19	Phosphorylation of Bcl10 Negatively Regulates T-Cell Receptor-Mediated NF-Î¹B Activation. Molecular and Cellular Biology, 2007, 27, 5235-5245.	1.1	36
20	mTOR signaling and transcriptional regulation in T lymphocytes. Transcription, 2014, 5, e28263.	1.7	35
21	mTOR signaling in immune cells and its implications for cancer immunotherapy. Cancer Letters, 2017, 408, 182-189.	3.2	35
22	Discrete roles and bifurcation of PTEN signaling and mTORC1-mediated anabolic metabolism underlie IL-7â€“driven B lymphopoiesis. Science Advances, 2018, 4, eaar5701.	4.7	35
23	Essential Role of Phospholipase CÎ³2 in Early B-Cell Development and Myc-Mediated Lymphomagenesis. Molecular and Cellular Biology, 2006, 26, 9364-9376.	1.1	30
24	PLCÎ³-dependent mTOR signalling controls IL-7-mediated early B cell development. Nature Communications, 2017, 8, 1457.	5.8	30
25	Protein Prenylation Drives Discrete Signaling Programs for the Differentiation and Maintenance of Effector Treg Cells. Cell Metabolism, 2020, 32, 996-1011.e7.	7.2	28
26	Stearoyl-CoA Desaturase-Mediated Monounsaturated Fatty Acid Availability Supports Humoral Immunity. Cell Reports, 2021, 34, 108601.	2.9	28
27	B Cell Lymphoma 10 Is Essential for FcÎµR-Mediated Degranulation and IL-6 Production in Mast Cells. Journal of Immunology, 2007, 178, 49-57.	0.4	27
28	Alternative 3â€² UTR polyadenylation of Bzw1 transcripts display differential translation efficiency and tissue-specific expression. Biochemical and Biophysical Research Communications, 2006, 345, 479-485.	1.0	25
29	HNRNPH1 is required for rhabdomyosarcoma cell growth and survival. Oncogenesis, 2018, 7, 9.	2.1	21
30	Antigen Specific Humoral and Cellular Immunity Following SARS-CoV-2 Vaccination in ANCA-Associated Vasculitis Patients Receiving B-Cell Depleting Therapy. Frontiers in Immunology, 2022, 13, 834981.	2.2	19
31	T Cell Receptor-mediated Activation of CD4+CD44hi T Cells Bypasses Bcl10. Journal of Biological Chemistry, 2008, 283, 24392-24399.	1.6	17
32	Atomic Force Microscopy Studies on DNA Structural Changes Induced by Vincristine Sulfate and Aspirin. Microscopy and Microanalysis, 2004, 10, 286-290.	0.2	13
33	Fatty acid metabolism in adaptive immunity. FEBS Journal, 2023, 290, 584-599.	2.2	13
34	Immune checkpoint inhibitor-induced inflammatory arthritis: a novel clinical entity with striking similarities to seronegative rheumatoid arthritis. Clinical Rheumatology, 2020, 39, 3631-3637.	1.0	12
35	Gfi1-Foxo1 axis controls the fidelity of effector gene expression and developmental maturation of thymocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E67-E74.	3.3	11
36	Mevalonate metabolismâ€“dependent protein geranylgeranylation regulates thymocyte egress. Journal of Experimental Medicine, 2020, 217, .	4.2	10

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37	Histone deacetylase 3 represses cholesterol efflux during CD4+ T-cell activation. ELife, 2021, 10, .	2.8	9
38	Mutation in the First Ig-Like Domain of Kit Leads to JAK2 Activation and Myeloproliferation in Mice. American Journal of Pathology, 2014, 184, 122-132.	1.9	2
39	Nuclear Export of the NF-Î°B Inhibitor IÎ°BÎ± Is Required for Proper B Cell and Secondary Lymphoid Tissue Formation. Immunity, 2011, 34, 449.	6.6	1
40	Induced senescence: a cunning Fox's new trick. Blood, 2012, 120, 1965-1966.	0.6	1
41	Metabolic sleuthing solves a rare immunodeficiency disease. Nature Immunology, 2019, 20, 1264-1266.	7.0	1
42	A cytokine duet regulates inflammatory bowel disease. Science Translational Medicine, 2018, 10, .	5.8	1
43	Exploiting human T _{regs} â€™ sweet tooth to improve cancer immunotherapy. Science Translational Medicine, 2018, 10, .	5.8	1
44	Double safety reins in wayward B cells. Science Translational Medicine, 2018, 10, .	5.8	0
45	A fatty link between heart disease and autoimmunity. Science Translational Medicine, 2018, 10, .	5.8	0
46	Graft-versus-host disease: Tread carefully on T cell suppression. Science Translational Medicine, 2018, 10, .	5.8	0
47	Interfer-ing with immunotherapy-induced autoimmunity. Science Translational Medicine, 2019, 11, .	5.8	0
48	Aging T cells portend poor outcome in follicular lymphoma. Science Translational Medicine, 2019, 11, .	5.8	0