Hyun-Dong Chang

List of Publications by Citations

80 papers	4,911 citations	34 h-index	70 g-index
95 ext. papers	6,156 ext. citations	8 avg, IF	4.95 L-index

#	Paper	IF	Citations
80	Epigenetic control of the foxp3 locus in regulatory T cells. *PLoS Biology*, **2007**, 5, e38	9.7	925
79	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
78	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
77	The microRNA miR-182 is induced by IL-2 and promotes clonal expansion of activated helper T lymphocytes. *Nature Immunology*, **2010**, 11, 1057-62	19.1	269
76	1,25-dihydroxyvitamin D(3) promotes IL-10 production in human B cells. *European Journal of Immunology*, **2008**, 38, 2210-8	6.1	227
75	Human cytomegalovirus drives epigenetic imprinting of the IFNG locus in NKG2Chi natural killer cells. *PLoS Pathogens*, **2014**, 10, e1004441	7.6	170
74	IL-17 and GM-CSF expression are antagonistically regulated by human T helper cells. *Science Translational Medicine*, **2014**, 6, 241ra80	17.5	167
73	Th memory for interleukin-17 expression is stable in vivo. *European Journal of Immunology*, **2008**, 38, 2654-64	6.1	129
72	Epigenomic Profiling of Human CD4 T Cells Supports a Linear Differentiation Model and Highlights Molecular Regulators of Memory Development. *Immunity*, **2016**, 45, 1148-1161	32.3	118
71	Human memory T cells from the bone marrow are resting and maintain long-lasting systemic memory. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9229-34	11.5	118
70	IFN-□and IL-12 synergize to convert in vivo generated Th17 into Th1/Th17 cells. *European Journal of Immunology*, **2010**, 40, 3017-27	6.1	118
69	Expression of IL-10 in Th memory lymphocytes is conditional on IL-12 or IL-4, unless the IL-10 gene is imprinted by GATA-3. *European Journal of Immunology*, **2007**, 37, 807-17	6.1	95
68	Leptin: a critical regulator of CD4+ T-cell polarization in vitro and in vivo. *Endocrinology*, **2010**, 151, 56-62	4.8	93
67	Static and dynamic components synergize to form a stable survival niche for bone marrow plasma cells. *European Journal of Immunology*, **2014**, 44, 2306-17	6.1	76
66	Memory CD8(+) T cells colocalize with IL-7(+) stromal cells in bone marrow and rest in terms of proliferation and transcription. *European Journal of Immunology*, **2015**, 45, 975-87	6.1	75
65	Autoregulation of Th1-mediated inflammation by twist1. *Journal of Experimental Medicine*, **2008**, 205, 1889-901	16.6	75
64	c-Maf-dependent T cell control of intestinal T17 cells and IgA establishes host-microbiota homeostasis. *Nature Immunology*, **2019**, 20, 471-481	19.1	72

63	Distinct immune effector pathways contribute to the full expression of peanut-induced anaphylactic reactions in mice. *Journal of Allergy and Clinical Immunology*, **2011**, 127, 1552-61.e1	11.5	66
62	Autocrine IL-10 promotes human B-cell differentiation into IgM- or IgG-secreting plasmablasts. *European Journal of Immunology*, **2014**, 44, 1615-21	6.1	61
61	NK cells gain higher IFN- competence during terminal differentiation. *European Journal of Immunology*, **2014**, 44, 2074-84	6.1	59
60	A critical control element for interleukin-4 memory expression in T helper lymphocytes. *Journal of Biological Chemistry*, **2005**, 280, 28177-85	5.4	58
59	Demethylation of the RORC2 and IL17A in human CD4+ T lymphocytes defines Th17 origin of nonclassic Th1 cells. *Journal of Immunology*, **2015**, 194, 3116-26	5.3	54
58	Organization and maintenance of immunological memory by stroma niches. *European Journal of Immunology*, **2009**, 39, 2095-9	6.1	54
57	Immunological memories of the bone marrow. *Immunological Reviews*, **2018**, 283, 86-98	11.3	48
56	Plasma cell differentiation in T-independent type 2 immune responses is independent of CD11c(high) dendritic cells. *European Journal of Immunology*, **2006**, 36, 2912-9	6.1	48
55	Persistence of effector memory Th1 cells is regulated by Hopx. *European Journal of Immunology*, **2010**, 40, 2993-3006	6.1	47
54	IL-1 and TGF- act antagonistically in induction and differentially in propagation of human proinflammatory precursor CD4+ T cells. *Journal of Immunology*, **2011**, 187, 5627-35	5.3	46
53	IL-10 is excluded from the functional cytokine memory of human CD4+ memory T lymphocytes. *Journal of Immunology*, **2007**, 179, 2389-96	5.3	46
52	Nitric oxide enhances Th9 cell differentiation and airway inflammation. *Nature Communications*, **2014**, 5, 4575	17.4	44
51	Longitudinal intravital imaging of the femoral bone marrow reveals plasticity within marrow vasculature. *Nature Communications*, **2017**, 8, 2153	17.4	41
50	SARS-CoV-2 in severe COVID-19 induces a TGF- dominated chronic immune response that does not target itself. *Nature Communications*, **2021**, 12, 1961	17.4	41
49	High-resolution microbiota flow cytometry reveals dynamic colitis-associated changes in fecal bacterial composition. *European Journal of Immunology*, **2016**, 46, 1300-3	6.1	38
48	miR-148a is upregulated by Twist1 and T-bet and promotes Th1-cell survival by regulating the proapoptotic gene Bim. *European Journal of Immunology*, **2015**, 45, 1192-205	6.1	34
47	Eomes controls the development of Th17-derived (non-classic) Th1 cells during chronic inflammation. *European Journal of Immunology*, **2019**, 49, 79-95	6.1	34
46	Loss of methylation at the IFNG promoter and CNS-1 is associated with the development of functional IFN- memory in human CD4(+) T lymphocytes. *European Journal of Immunology*, **2013**, 43, 793-804	6.1	34

45	Specific microbiota enhances intestinal IgA levels by inducing TGF-β in T follicular helper cells of Peyer's patches in mice. *European Journal of Immunology*, **2020**, 50, 783-794	6.1	28
44	Innate-like effector differentiation of human invariant NKT cells driven by IL-7. *Journal of Immunology*, **2008**, 180, 4415-24	5.3	25
43	Maintenance of CD8 memory T lymphocytes in the spleen but not in the bone marrow is dependent on proliferation. *European Journal of Immunology*, **2017**, 47, 1900-1905	6.1	24
42	The pro- and anti-inflammatory potential of interleukin-12. *Annals of the New York Academy of Sciences*, **2007**, 1109, 40-6	6.5	23
41	Single-cell transcriptomes of murine bone marrow stromal cells reveal niche-associated heterogeneity. *European Journal of Immunology*, **2019**, 49, 1372-1379	6.1	20
40	Nonfollicular reactivation of bone marrow resident memory CD4 T cells in immune clusters of the bone marrow. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1334-1339	11.5	20
39	Nuclear factor of activated T cells regulates the expression of interleukin-4 in Th2 cells in an all-or-none fashion. *Journal of Biological Chemistry*, **2014**, 289, 26752-26761	5.4	20
38	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow. *Nature Communications*, **2020**, 11, 2570	17.4	19
37	CD69 memory T lymphocytes of the bone marrow and spleen express the signature transcripts of tissue-resident memory T lymphocytes. *European Journal of Immunology*, **2019**, 49, 966-968	6.1	17
36	Direct uptake of Antagomirs and efficient knockdown of miRNA in primary B and T lymphocytes. *Journal of Immunological Methods*, **2015**, 426, 128-33	2.5	17
35	Lymphocyte signaling: regulation of FoxO transcription factors by microRNAs. *Annals of the New York Academy of Sciences*, **2012**, 1247, 46-55	6.5	17
34	Differential Expression of miR-4520a Associated With Pyrin Mutations in Familial Mediterranean Fever (FMF). *Journal of Cellular Physiology*, **2017**, 232, 1326-1336	7	16
33	Simultaneous inhibition of JAK and SYK kinases ameliorates chronic and destructive arthritis in mice. *Arthritis Research and Therapy*, **2015**, 17, 356	5.7	16
32	Cell population identification using fluorescence-minus-one controls with a one-class classifying algorithm. *Bioinformatics*, **2014**, 30, 3372-8	7.2	16
31	Selective targeting of pro-inflammatory Th1 cells by microRNA-148a-specific antagomirs in vivo. *Journal of Autoimmunity*, **2018**, 89, 41-52	15.5	15
30	Pathogenic memory plasma cells in autoimmunity. *Current Opinion in Immunology*, **2019**, 61, 86-91	7.8	14
29	Stromal Cell-Contact Dependent PI3K and APRIL Induced NF-κB Signaling Prevent Mitochondrial-and ER Stress Induced Death of Memory Plasma Cells. *Cell Reports*, **2020**, 32, 107982	10.6	14
28	Selection and depletion of plasma cells based on the specificity of the secreted antibody. *European Journal of Immunology*, **2015**, 45, 317-9	6.1	12

27	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. *European Journal of Immunology*, **2021**, 51, 2708-3145	6.1	12
26	MicroRNA-31 Reduces the Motility of Proinflammatory T Helper 1 Lymphocytes. *Frontiers in Immunology*, **2018**, 9, 2813	8.4	11
25	Unbiased transcriptomes of resting human CD4+ CD45RO+ T lymphocytes. *European Journal of Immunology*, **2014**, 44, 1866-9	6.1	10
24	Targeting pathogenic T helper cell memory. *Annals of the Rheumatic Diseases*, **2011**, 70 Suppl 1, i85-7	2.4	10
23	IL-10-producing B cells are characterized by a specific methylation signature. *European Journal of Immunology*, **2019**, 49, 1213-1225	6.1	9
22	The intestinal microbiota determines the colitis-inducing potential of T-bet-deficient Th cells in mice. *European Journal of Immunology*, **2018**, 48, 161-167	6.1	9
21	Authentic IgM Fc Receptor (FcR). *Current Topics in Microbiology and Immunology*, **2017**, 408, 25-45	3.3	9
20	A Ca(2+) concentration of 1.5 mM, as present in IMDM but not in RPMI, is critical for maximal response of Th cells to PMA/ionomycin. *European Journal of Immunology*, **2015**, 45, 1270-3	6.1	9
19	Regulation of Fatty Acid Oxidation by Twist 1 in the Metabolic Adaptation of T Helper Lymphocytes to Chronic Inflammation. *Arthritis and Rheumatology*, **2019**, 71, 1756-1765	9.5	8
18	Antigen-driven PD-1 TOX BHLHE40 and PD-1 TOX EOMES T lymphocytes regulate juvenile idiopathic arthritis in situ. *European Journal of Immunology*, **2021**, 51, 915-929	6.1	7
17	Deep phenotypical characterization of human CD3 CD56 T cells by mass cytometry. *European Journal of Immunology*, **2021**, 51, 672-681	6.1	5
16	Maintenance of quiescent immune memory in the bone marrow. *European Journal of Immunology*, **2021**, 51, 1592-1601	6.1	4
15	Immunological memory in rheumatic inflammation - a roadblock to tolerance induction. *Nature Reviews Rheumatology*, **2021**, 17, 291-305	8.1	3
14	Circumvention of MHC class II restriction by genetic immunization. *Vaccine*, **2001**, 20, 630-4	4.1	2
13	Mobilization of tissue-resident memory CD4+ T lymphocytes and their contribution to a systemic secondary immune reaction		2
12	Epigenetic Imprinting of Immunological Memory. *Epigenetics and Human Health*, **2016**, 53-67		2
11	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow		2
10	Keeping up with the stress of antibody production: BAFF and APRIL maintain memory plasma cells. *Current Opinion in Immunology*, **2021**, 71, 97-102	7.8	2

9	The pro- and anti-inflammatory potential of IL-12: the dual role of Th1 cells. *Expert Review of Clinical Immunology*, **2007**, 3, 709-19	5.1	1
8	Intestinal Microbiome in Hematopoietic Stem Cell Transplantation For Autoimmune Diseases: Considerations and Perspectives on Behalf of Autoimmune Diseases Working Party (ADWP) of the EBMT. *Frontiers in Oncology*, **2021**, 11, 722436	5.3	1
7	Stromal cell-contact dependent PI3K and APRIL induced NF-B signaling complement each other to prevent mitochondrial- and endoplasmic reticulum stress induced cell death of bone marrow plasma cells		1
6	Induction of cross-reactive antibody responses against the RBD domain of the spike protein of SARS-CoV-2 by commensal microbiota		1
5	T-bet and RORt control lymph node formation by regulating embryonic innate lymphoid cell differentiation. *Nature Immunology*, **2021**, 22, 1231-1244	19.1	1
4	Plasmazellberleben wird durch extrinsische Signale reguliert. *BioSpektrum*, **2020**, 26, 158-161	0.1	
3	Die Vermessung von Einzelzellen. *Trillium Immunologie*, **2021**, 5, 152-155	0	
2	Flow Cytometric Analysis of Microbial Diversity in Patients with Aggressive Lymphoma Disease Undergoing Chemoimmunotherapy. *Blood*, **2021**, 138, 4005-4005	2.2	
1	Quantifying Antigen-Specific T-Cells by Assessing Their Antigen-Induced Proliferation. *Methods in Molecular Biology*, **2021**, 2285, 131-139	1.4	