

Hyun-Dong Chang

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

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	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. <i>European Journal of Immunology</i> , 2021 , 51, 2708-3145	6.1	12
79	Die Vermessung von Einzelzellen. <i>Trillium Immunologie</i> , 2021 , 5, 152-155	0	
78	Flow Cytometric Analysis of Microbial Diversity in Patients with Aggressive Lymphoma Disease Undergoing Chemoimmunotherapy. <i>Blood</i> , 2021 , 138, 4005-4005	2.2	
77	Intestinal Microbiome in Hematopoietic Stem Cell Transplantation For Autoimmune Diseases: Considerations and Perspectives on Behalf of Autoimmune Diseases Working Party (ADWP) of the EBMT. <i>Frontiers in Oncology</i> , 2021 , 11, 722436	5.3	1
76	SARS-CoV-2 in severe COVID-19 induces a TGF- β -dominated chronic immune response that does not target itself. <i>Nature Communications</i> , 2021 , 12, 1961	17.4	41
75	Immunological memory in rheumatic inflammation - a roadblock to tolerance induction. <i>Nature Reviews Rheumatology</i> , 2021 , 17, 291-305	8.1	3
74	Maintenance of quiescent immune memory in the bone marrow. <i>European Journal of Immunology</i> , 2021 , 51, 1592-1601	6.1	4
73	Deep phenotypical characterization of human CD3 CD56 T cells by mass cytometry. <i>European Journal of Immunology</i> , 2021 , 51, 672-681	6.1	5
72	Antigen-driven PD-1 TOX BHLHE40 and PD-1 TOX EOMES T lymphocytes regulate juvenile idiopathic arthritis in situ. <i>European Journal of Immunology</i> , 2021 , 51, 915-929	6.1	7
71	Quantifying Antigen-Specific T-Cells by Assessing Their Antigen-Induced Proliferation. <i>Methods in Molecular Biology</i> , 2021 , 2285, 131-139	1.4	
70	Keeping up with the stress of antibody production: BAFF and APRIL maintain memory plasma cells. <i>Current Opinion in Immunology</i> , 2021 , 71, 97-102	7.8	2
69	T-bet and ROR γ t control lymph node formation by regulating embryonic innate lymphoid cell differentiation. <i>Nature Immunology</i> , 2021 , 22, 1231-1244	19.1	1
68	Specific microbiota enhances intestinal IgA levels by inducing TGF- β in T follicular helper cells of Peyer's patches in mice. <i>European Journal of Immunology</i> , 2020 , 50, 783-794	6.1	28
67	Plasmazellüberleben wird durch extrinsische Signale reguliert. <i>BioSpektrum</i> , 2020 , 26, 158-161	0.1	
66	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow. <i>Nature Communications</i> , 2020 , 11, 2570	17.4	19
65	Stromal Cell-Contact Dependent PI3K and APRIL Induced NF- κ B Signaling Prevent Mitochondrial- and ER Stress Induced Death of Memory Plasma Cells. <i>Cell Reports</i> , 2020 , 32, 107982	10.6	14
64	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485

63	CD69 memory T lymphocytes of the bone marrow and spleen express the signature transcripts of tissue-resident memory T lymphocytes. <i>European Journal of Immunology</i> , 2019 , 49, 966-968	6.1	17
62	Regulation of Fatty Acid Oxidation by Twist 1 in the Metabolic Adaptation of T Helper Lymphocytes to Chronic Inflammation. <i>Arthritis and Rheumatology</i> , 2019 , 71, 1756-1765	9.5	8
61	Single-cell transcriptomes of murine bone marrow stromal cells reveal niche-associated heterogeneity. <i>European Journal of Immunology</i> , 2019 , 49, 1372-1379	6.1	20
60	IL-10-producing B γ cells are characterized by a specific methylation signature. <i>European Journal of Immunology</i> , 2019 , 49, 1213-1225	6.1	9
59	Eomes controls the development of Th17-derived (non-classic) Th1 cells during chronic inflammation. <i>European Journal of Immunology</i> , 2019 , 49, 79-95	6.1	34
58	Pathogenic memory plasma cells in autoimmunity. <i>Current Opinion in Immunology</i> , 2019 , 61, 86-91	7.8	14
57	c-Maf-dependent T cell control of intestinal T17 cells and IgA establishes host-microbiota homeostasis. <i>Nature Immunology</i> , 2019 , 20, 471-481	19.1	72
56	Immunological memories of the bone marrow. <i>Immunological Reviews</i> , 2018 , 283, 86-98	11.3	48
55	Nonfollicular reactivation of bone marrow resident memory CD4 T cells in immune clusters of the bone marrow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1334-1339	11.5	20
54	The intestinal microbiota determines the colitis-inducing potential of T-bet-deficient Th cells in mice. <i>European Journal of Immunology</i> , 2018 , 48, 161-167	6.1	9
53	Selective targeting of pro-inflammatory Th1 cells by microRNA-148a-specific antagomirs in vivo. <i>Journal of Autoimmunity</i> , 2018 , 89, 41-52	15.5	15
52	MicroRNA-31 Reduces the Motility of Proinflammatory T Helper 1 Lymphocytes. <i>Frontiers in Immunology</i> , 2018 , 9, 2813	8.4	11
51	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359
50	Authentic IgM Fc Receptor (FcR). <i>Current Topics in Microbiology and Immunology</i> , 2017 , 408, 25-45	3.3	9
49	Maintenance of CD8 memory T lymphocytes in the spleen but not in the bone marrow is dependent on proliferation. <i>European Journal of Immunology</i> , 2017 , 47, 1900-1905	6.1	24
48	Differential Expression of miR-4520a Associated With Pyrin Mutations in Familial Mediterranean Fever (FMF). <i>Journal of Cellular Physiology</i> , 2017 , 232, 1326-1336	7	16
47	Longitudinal intravital imaging of the femoral bone marrow reveals plasticity within marrow vasculature. <i>Nature Communications</i> , 2017 , 8, 2153	17.4	41
46	Epigenomic Profiling of Human CD4 T Cells Supports a Linear Differentiation Model and Highlights Molecular Regulators of Memory Development. <i>Immunity</i> , 2016 , 45, 1148-1161	32.3	118

45	High-resolution microbiota flow cytometry reveals dynamic colitis-associated changes in fecal bacterial composition. <i>European Journal of Immunology</i> , 2016 , 46, 1300-3	6.1	38
44	Epigenetic Imprinting of Immunological Memory. <i>Epigenetics and Human Health</i> , 2016 , 53-67		2
43	Direct uptake of Antagomirs and efficient knockdown of miRNA in primary B and T lymphocytes. <i>Journal of Immunological Methods</i> , 2015 , 426, 128-33	2.5	17
42	Demethylation of the RORC2 and IL17A in human CD4+ T lymphocytes defines Th17 origin of nonclassic Th1 cells. <i>Journal of Immunology</i> , 2015 , 194, 3116-26	5.3	54
41	miR-148a is upregulated by Twist1 and T-bet and promotes Th1-cell survival by regulating the proapoptotic gene Bim. <i>European Journal of Immunology</i> , 2015 , 45, 1192-205	6.1	34
40	Selection and depletion of plasma cells based on the specificity of the secreted antibody. <i>European Journal of Immunology</i> , 2015 , 45, 317-9	6.1	12
39	Simultaneous inhibition of JAK and SYK kinases ameliorates chronic and destructive arthritis in mice. <i>Arthritis Research and Therapy</i> , 2015 , 17, 356	5.7	16
38	Memory CD8(+) T cells colocalize with IL-7(+) stromal cells in bone marrow and rest in terms of proliferation and transcription. <i>European Journal of Immunology</i> , 2015 , 45, 975-87	6.1	75
37	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. <i>European Journal of Immunology</i> , 2015 , 45, 1270-3	6.1	9
36	NK cells gain higher IFN- γ competence during terminal differentiation. <i>European Journal of Immunology</i> , 2014 , 44, 2074-84	6.1	59
35	Autocrine IL-10 promotes human B-cell differentiation into IgM- or IgG-secreting plasmablasts. <i>European Journal of Immunology</i> , 2014 , 44, 1615-21	6.1	61
34	Unbiased transcriptomes of resting human CD4+ CD45RO+ T lymphocytes. <i>European Journal of Immunology</i> , 2014 , 44, 1866-9	6.1	10
33	Nitric oxide enhances Th9 cell differentiation and airway inflammation. <i>Nature Communications</i> , 2014 , 5, 4575	17.4	44
32	Static and dynamic components synergize to form a stable survival niche for bone marrow plasma cells. <i>European Journal of Immunology</i> , 2014 , 44, 2306-17	6.1	76
31	Human memory T cells from the bone marrow are resting and maintain long-lasting systemic memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9229-34	11.5	118
30	Nuclear factor of activated T cells regulates the expression of interleukin-4 in Th2 cells in an all-or-none fashion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26752-26761	5.4	20
29	Human cytomegalovirus drives epigenetic imprinting of the IFNG locus in NKG2Chi natural killer cells. <i>PLoS Pathogens</i> , 2014 , 10, e1004441	7.6	170
28	Cell population identification using fluorescence-minus-one controls with a one-class classifying algorithm. <i>Bioinformatics</i> , 2014 , 30, 3372-8	7.2	16

27	IL-17 and GM-CSF expression are antagonistically regulated by human T helper cells. <i>Science Translational Medicine</i> , 2014 , 6, 241ra80	17.5	167
26	Loss of methylation at the IFNG promoter and CNS-1 is associated with the development of functional IFN- γ memory in human CD4(+) T lymphocytes. <i>European Journal of Immunology</i> , 2013 , 43, 793-804	6.1	34
25	Lymphocyte signaling: regulation of FoxO transcription factors by microRNAs. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1247, 46-55	6.5	17
24	Distinct immune effector pathways contribute to the full expression of peanut-induced anaphylactic reactions in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1552-61.e1	11.5	66
23	Targeting pathogenic T helper cell memory. <i>Annals of the Rheumatic Diseases</i> , 2011 , 70 Suppl 1, i85-7	2.4	10
22	IL-1 β and TGF- β act antagonistically in induction and differentially in propagation of human proinflammatory precursor CD4+ T cells. <i>Journal of Immunology</i> , 2011 , 187, 5627-35	5.3	46
21	The microRNA miR-182 is induced by IL-2 and promotes clonal expansion of activated helper T lymphocytes. <i>Nature Immunology</i> , 2010 , 11, 1057-62	19.1	269
20	Leptin: a critical regulator of CD4+ T-cell polarization in vitro and in vivo. <i>Endocrinology</i> , 2010 , 151, 56-62.8	4.8	93
19	IFN- γ and IL-12 synergize to convert in vivo generated Th17 into Th1/Th17 cells. <i>European Journal of Immunology</i> , 2010 , 40, 3017-27	6.1	118
18	Persistence of effector memory Th1 cells is regulated by Hopx. <i>European Journal of Immunology</i> , 2010 , 40, 2993-3006	6.1	47
17	Organization and maintenance of immunological memory by stroma niches. <i>European Journal of Immunology</i> , 2009 , 39, 2095-9	6.1	54
16	Autoregulation of Th1-mediated inflammation by twist1. <i>Journal of Experimental Medicine</i> , 2008 , 205, 1889-901	16.6	75
15	Innate-like effector differentiation of human invariant NKT cells driven by IL-7. <i>Journal of Immunology</i> , 2008 , 180, 4415-24	5.3	25
14	1,25-dihydroxyvitamin D(3) promotes IL-10 production in human B cells. <i>European Journal of Immunology</i> , 2008 , 38, 2210-8	6.1	227
13	Th memory for interleukin-17 expression is stable in vivo. <i>European Journal of Immunology</i> , 2008 , 38, 2654-64	6.1	129
12	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. <i>European Journal of Immunology</i> , 2007 , 37, 807-17	6.1	95
11	The pro- and anti-inflammatory potential of interleukin-12. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1109, 40-6	6.5	23
10	IL-10 is excluded from the functional cytokine memory of human CD4+ memory T lymphocytes. <i>Journal of Immunology</i> , 2007 , 179, 2389-96	5.3	46

9	Epigenetic control of the foxp3 locus in regulatory T cells. <i>PLoS Biology</i> , 2007 , 5, e38	9.7	925
8	The pro- and anti-inflammatory potential of IL-12: the dual role of Th1 cells. <i>Expert Review of Clinical Immunology</i> , 2007 , 3, 709-19	5.1	1
7	Plasma cell differentiation in T-independent type 2 immune responses is independent of CD11c(high) dendritic cells. <i>European Journal of Immunology</i> , 2006 , 36, 2912-9	6.1	48
6	A critical control element for interleukin-4 memory expression in T helper lymphocytes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28177-85	5.4	58
5	Circumvention of MHC class II restriction by genetic immunization. <i>Vaccine</i> , 2001 , 20, 630-4	4.1	2
4	Mobilization of tissue-resident memory CD4+ T lymphocytes and their contribution to a systemic secondary immune reaction		2
3	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow		2
2	Stromal cell-contact dependent PI3K and APRIL induced NF- κ B signaling complement each other to prevent mitochondrial- and endoplasmic reticulum stress induced cell death of bone marrow plasma cells		1
1	Induction of cross-reactive antibody responses against the RBD domain of the spike protein of SARS-CoV-2 by commensal microbiota		1