

Hyun-Dong Chang

List of Publications by Year in descending order

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80
papers

6,971
citations

94433

37
h-index

62596

80
g-index

95
all docs

95
docs citations

95
times ranked

12703
citing authors

#	ARTICLE	IF	CITATIONS
1	Resident memory CD4 ⁺ T lymphocytes mobilize from bone marrow to contribute to a systemic secondary immune reaction. <i>European Journal of Immunology</i> , 2022, 52, 737-752.	2.9	6
2	Data-Driven Mathematical Model of Apoptosis Regulation in Memory Plasma Cells. <i>Cells</i> , 2022, 11, 1547.	4.1	2
3	Flow cytometry can reliably capture gut microbial composition in healthy adults as well as dysbiosis dynamics in patients with aggressive B-cell non-Hodgkin lymphoma. <i>Gut Microbes</i> , 2022, 14, .	9.8	3
4	Deep phenotypical characterization of human CD3 ⁺ CD56 ⁺ T cells by mass cytometry. <i>European Journal of Immunology</i> , 2021, 51, 672-681.	2.9	21
5	Antigen-driven PD-1 ⁺ TOX ⁺ and BHLHE40 ⁺ and PD-1 ⁺ TOX ⁺ EOMES ⁺ T lymphocytes regulate juvenile idiopathic arthritis <i>in situ</i> . <i>European Journal of Immunology</i> , 2021, 51, 915-929.	2.9	24
6	Quantifying Antigen-Specific T-Cells by Assessing Their Antigen-Induced Proliferation. <i>Methods in Molecular Biology</i> , 2021, 2285, 131-139.	0.9	0
7	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.	12.8	145
8	Immunological memory in rheumatic inflammation â€” a roadblock to tolerance induction. <i>Nature Reviews Rheumatology</i> , 2021, 17, 291-305.	8.0	25
9	A long-term perspective on immunity to COVID. <i>Nature</i> , 2021, 595, 359-360.	27.8	40
10	Maintenance of quiescent immune memory in the bone marrow. <i>European Journal of Immunology</i> , 2021, 51, 1592-1601.	2.9	18
11	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.	5.5	10
12	T-bet and ROR γ control lymph node formation by regulating embryonic innate lymphoid cell differentiation. <i>Nature Immunology</i> , 2021, 22, 1231-1244.	14.5	18
13	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.	2.8	6
14	Flow Cytometric Analysis of Microbial Diversity in Patients with Aggressive Lymphoma Disease Undergoing Chemoimmunotherapy. <i>Blood</i> , 2021, 138, 4005-4005.	1.4	0
15	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.	2.9	198
16	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.	6.4	40
17	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.	2.9	58
18	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow. <i>Nature Communications</i> , 2020, 11, 2570.	12.8	54

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19	<i>Eomes</i> controls the development of Th17-derived (non-classic) Th1 cells during chronic inflammation. <i>European Journal of Immunology</i> , 2019, 49, 79-95.	2.9	64
20	Beyond sequencing: fast and easy microbiome profiling by flow cytometry. <i>Archives of Toxicology</i> , 2019, 93, 2703-2704.	4.2	3
21	Pathogenic memory plasma cells in autoimmunity. <i>Current Opinion in Immunology</i> , 2019, 61, 86-91.	5.5	26
22	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.	2.9	766
23	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.	2.9	30
24	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.	5.6	18
25	Single-cell transcriptomes of murine bone marrow stromal cells reveal niche-associated heterogeneity. <i>European Journal of Immunology</i> , 2019, 49, 1372-1379.	2.9	28
26	IL10-producing B cells are characterized by a specific methylation signature. <i>European Journal of Immunology</i> , 2019, 49, 1213-1225.	2.9	19
27	c-Maf-dependent Treg cell control of intestinal TH17 cells and IgA establishes host-microbiota homeostasis. <i>Nature Immunology</i> , 2019, 20, 471-481.	14.5	138
28	Immunological memories of the bone marrow. <i>Immunological Reviews</i> , 2018, 283, 86-98.	6.0	74
29	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.	7.1	30
30	The intestinal microbiota determines the colitis-inducing potential of β -deficient Th cells in mice. <i>European Journal of Immunology</i> , 2018, 48, 161-167.	2.9	11
31	Selective targeting of pro-inflammatory Th1 cells by microRNA-148a-specific antagomirs in vivo. <i>Journal of Autoimmunity</i> , 2018, 89, 41-52.	6.5	30
32	MicroRNA-31 Reduces the Motility of Proinflammatory T Helper 1 Lymphocytes. <i>Frontiers in Immunology</i> , 2018, 9, 2813.	4.8	13
33	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . <i>European Journal of Immunology</i> , 2017, 47, 1584-1797.	2.9	505
34	Authentic IgM Fc Receptor (Fc γ 4R). <i>Current Topics in Microbiology and Immunology</i> , 2017, 408, 25-45.	1.1	15
35	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.	2.9	33
36	Differential Expression of miR-4520a Associated With Pyrin Mutations in Familial Mediterranean Fever (FMF). <i>Journal of Cellular Physiology</i> , 2017, 232, 1326-1336.	4.1	23

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37	Longitudinal intravital imaging of the femoral bone marrow reveals plasticity within marrow vasculature. <i>Nature Communications</i> , 2017, 8, 2153.	12.8	67
38	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.	14.3	174
39	High-resolution microbiota flow cytometry reveals dynamic colitis-associated changes in fecal bacterial composition. <i>European Journal of Immunology</i> , 2016, 46, 1300-1303.	2.9	57
40	Epigenetic Imprinting of Immunological Memory. <i>Epigenetics and Human Health</i> , 2016, , 53-67.	0.2	2
41	Simultaneous inhibition of JAK and SYK kinases ameliorates chronic and destructive arthritis in mice. <i>Arthritis Research and Therapy</i> , 2015, 17, 356.	3.5	21
42	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, 975-987.	2.9	97
43	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, 1270-1273.	2.9	14
44	Direct uptake of Antagomirs and efficient knockdown of miRNA in primary B and T lymphocytes. <i>Journal of Immunological Methods</i> , 2015, 426, 128-133.	1.4	26
45	Demethylation of the <i>RORC2</i> and <i>IL17A</i> in Human CD4+ T Lymphocytes Defines Th17 Origin of Nonclassic Th1 Cells. <i>Journal of Immunology</i> , 2015, 194, 3116-3126.	0.8	79
46	miR-148a is upregulated by Twist1 and β and promotes Th1 cell survival by regulating the proapoptotic gene Bim. <i>European Journal of Immunology</i> , 2015, 45, 1192-1205.	2.9	56
47	Selection and depletion of plasma cells based on the specificity of the secreted antibody. <i>European Journal of Immunology</i> , 2015, 45, 317-319.	2.9	21
48	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, 9229-9234.	7.1	154
49	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.	3.4	29
50	Human Cytomegalovirus Drives Epigenetic Imprinting of the IFNG Locus in NKG2Chi Natural Killer Cells. <i>PLoS Pathogens</i> , 2014, 10, e1004441.	4.7	224
51	Cell population identification using fluorescence-minus-one controls with a one-class classifying algorithm. <i>Bioinformatics</i> , 2014, 30, 3372-3378.	4.1	22
52	IL-17 and GM-CSF Expression Are Antagonistically Regulated by Human T Helper Cells. <i>Science Translational Medicine</i> , 2014, 6, 241ra80.	12.4	205
53	NK cells gain higher IFN γ competence during terminal differentiation. <i>European Journal of Immunology</i> , 2014, 44, 2074-2084.	2.9	94
54	Autocrine IL-10 promotes human B cell differentiation into IgM- or IgG-secreting plasmablasts. <i>European Journal of Immunology</i> , 2014, 44, 1615-1621.	2.9	98

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55	Unbiased transcriptomes of resting human CD4 ⁺ CD45 ^{RO} T lymphocytes. European Journal of Immunology, 2014, 44, 1866-1869.	2.9	21
56	Nitric oxide enhances Th9 cell differentiation and airway inflammation. Nature Communications, 2014, 5, 4575.	12.8	59
57	Static and dynamic components synergize to form a stable survival niche for bone marrow plasma cells. European Journal of Immunology, 2014, 44, 2306-2317.	2.9	110
58	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. European Journal of Immunology, 2013, 43, 793-804.	2.9	44
59	Lymphocyte signaling: regulation of FoxO transcription factors by microRNAs. Annals of the New York Academy of Sciences, 2012, 1247, 46-55.	3.8	23
60	Targeting pathogenic T helper cell memory. Annals of the Rheumatic Diseases, 2011, 70, i85-i87.	0.9	14
61	Diversity and flexibility of Th17 effector functions. Arthritis Research and Therapy, 2011, 13, 106.	3.5	2
62	Distinct immune effector pathways contribute to the full expression of peanut-induced anaphylactic reactions in mice. Journal of Allergy and Clinical Immunology, 2011, 127, 1552-1561.e1.	2.9	77
63	IL-1 β and TGF- β Act Antagonistically in Induction and Differentially in Propagation of Human Proinflammatory Precursor CD4 ⁺ T Cells. Journal of Immunology, 2011, 187, 5627-5635.	0.8	59
64	IFN γ and IL-12 synergize to convert <i>in vivo</i> generated Th17 into Th1/Th17 cells. European Journal of Immunology, 2010, 40, 3017-3027.	2.9	143
65	Persistence of effector memory Th1 cells is regulated by <i>Hox</i> . European Journal of Immunology, 2010, 40, 2993-3006.	2.9	70
66	The microRNA miR-182 is induced by IL-2 and promotes clonal expansion of activated helper T lymphocytes. Nature Immunology, 2010, 11, 1057-1062.	14.5	304
67	Leptin: A Critical Regulator of CD4 ⁺ T-cell Polarization in Vitro and in Vivo. Endocrinology, 2010, 151, 56-62.	2.8	106
68	Organization and maintenance of immunological memory by stroma niches. European Journal of Immunology, 2009, 39, 2095-2099.	2.9	61
69	1,25-dihydroxyvitamin D ₃ promotes IL-10 production in human B cells. European Journal of Immunology, 2008, 38, 2210-2218.	2.9	277
70	Th memory for interleukin-17 expression is stable <i>in vivo</i> . European Journal of Immunology, 2008, 38, 2654-2664.	2.9	135
71	Autoregulation of Th1-mediated inflammation by <i>twist1</i> . Journal of Experimental Medicine, 2008, 205, 1889-1901.	8.5	96
72	Innate-Like Effector Differentiation of Human Invariant NKT Cells Driven by IL-7. Journal of Immunology, 2008, 180, 4415-4424.	0.8	27

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73	IL-10 Is Excluded from the Functional Cytokine Memory of Human CD4+ Memory T Lymphocytes. <i>Journal of Immunology</i> , 2007, 179, 2389-2396.	0.8	51
74	Epigenetic Control of the foxp3 Locus in Regulatory T Cells. <i>PLoS Biology</i> , 2007, 5, e38.	5.6	1,068
75	The pro- and anti-inflammatory potential of IL-12: the dual role of Th1 cells. <i>Expert Review of Clinical Immunology</i> , 2007, 3, 709-719.	3.0	1
76	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, 807-817.	2.9	104
77	The Pro- and Anti-inflammatory Potential of Interleukin-12. <i>Annals of the New York Academy of Sciences</i> , 2007, 1109, 40-46.	3.8	30
78	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, 2912-2919.	2.9	52
79	A Critical Control Element for Interleukin-4 Memory Expression in T Helper Lymphocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 28177-28185.	3.4	65
80	Circumvention of MHC class II restriction by genetic immunization. <i>Vaccine</i> , 2001, 20, 630-634.	3.8	2