

Gerard Eberl

List of Publications by Year in descending order

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69
papers

20,036
citations

50170

46
h-index

88477

70
g-index

75
all docs

75
docs citations

75
times ranked

20344
citing authors

#	ARTICLE	IF	CITATIONS
1	Animals in a bacterial world, a new imperative for the life sciences. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3229-3236.	3.3	2,181
2	Innate lymphoid cells " a proposal for uniform nomenclature. Nature Reviews Immunology, 2013, 13, 145-149.	10.6	2,054
3	Innate Lymphoid Cells: 10 Years On. Cell, 2018, 174, 1054-1066.	13.5	1,467
4	The Key Role of Segmented Filamentous Bacteria in the Coordinated Maturation of Gut Helper T Cell Responses. Immunity, 2009, 31, 677-689.	6.6	1,252
5	Microbial Flora Drives Interleukin 22 Production in Intestinal NKp46+ Cells that Provide Innate Mucosal Immune Defense. Immunity, 2008, 29, 958-970.	6.6	981
6	Lymphoid tissue genesis induced by commensals through NOD1 regulates intestinal homeostasis. Nature, 2008, 456, 507-510.	13.7	920
7	An essential function for the nuclear receptor ROR γ t in the generation of fetal lymphoid tissue inducer cells. Nature Immunology, 2004, 5, 64-73.	7.0	885
8	The microbiota regulates type 2 immunity through ROR γ t ⁺ T cells. Science, 2015, 349, 989-993.	6.0	709
9	Innate lymphoid cells: A new paradigm in immunology. Science, 2015, 348, aaa6566.	6.0	683
10	Innate lymphoid cells regulate CD4+ T-cell responses to intestinal commensal bacteria. Nature, 2013, 498, 113-117.	13.7	639
11	ROR γ t+ innate lymphoid cells regulate intestinal homeostasis by integrating negative signals from the symbiotic microbiota. Nature Immunology, 2011, 12, 320-326.	7.0	522
12	In vivo equilibrium of proinflammatory IL-17+ and regulatory IL-10+ Foxp3+ ROR γ t+ T cells. Journal of Experimental Medicine, 2008, 205, 1381-1393.	4.2	491
13	The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. Cell, 2016, 166, 1231-1246.e13.	13.5	465
14	Lineage Relationship Analysis of ROR γ t ⁺ Innate Lymphoid Cells. Science, 2010, 330, 665-669.	6.0	464
15	Thymic Origin of Intestinal $\gamma\delta$ T Cells Revealed by Fate Mapping of ROR γ t+ Cells. Science, 2004, 305, 248-251.	6.0	457
16	Group 3 innate lymphoid cells mediate intestinal selection of commensal bacteria-specific CD4 ⁺ T cells. Science, 2015, 348, 1031-1035.	6.0	421
17	A Weaning Reaction to Microbiota Is Required for Resistance to Immunopathologies in the Adult. Immunity, 2019, 50, 1276-1288.e5.	6.6	379
18	Mature natural killer cell and lymphoid tissue-inducing cell development requires Id2-mediated suppression of E protein activity. Journal of Experimental Medicine, 2007, 204, 1119-1130.	4.2	331

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19	Innate Lymphoid Cells in Inflammation and Immunity. <i>Immunity</i> , 2014, 41, 366-374.	6.6	322
20	The nuclear receptor PPAR β selectively inhibits Th17 differentiation in a T cell-intrinsic fashion and suppresses CNS autoimmunity. <i>Journal of Experimental Medicine</i> , 2009, 206, 2079-2089.	4.2	287
21	IL-7 and IL-15 independently program the differentiation of intestinal CD3 α^+ NKp46+ cell subsets from Id2-dependent precursors. <i>Journal of Experimental Medicine</i> , 2010, 207, 273-280.	4.2	279
22	Glial-cell-derived neuroregulators control type 3 innate lymphoid cells and gut defence. <i>Nature</i> , 2016, 535, 440-443.	13.7	272
23	Microbiota-induced tertiary lymphoid tissues aggravate inflammatory disease in the absence of ROR γ^t and LTi cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 125-134.	4.2	230
24	Nonredundant Function of Soluble LT α_3 Produced by Innate Lymphoid Cells in Intestinal Homeostasis. <i>Science</i> , 2013, 342, 1243-1246.	6.0	227
25	Notch, Id2, and ROR γ^t sequentially orchestrate the fetal development of lymphoid tissue inducer cells. <i>Journal of Experimental Medicine</i> , 2012, 209, 729-740.	4.2	215
26	Critical role of ROR γ^t in a new thymic pathway leading to IL-17-producing invariant NKT cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19845-19850.	3.3	214
27	Innate lymphoid cells support regulatory T cells in the intestine through interleukin-2. <i>Nature</i> , 2019, 568, 405-409.	13.7	199
28	Effect of gut microbiota on depressive-like behaviors in mice is mediated by the endocannabinoid system. <i>Nature Communications</i> , 2020, 11, 6363.	5.8	193
29	The role of the nuclear hormone receptor ROR $\gamma_1/2$ in the development of lymph nodes and Peyer's patches. <i>Immunological Reviews</i> , 2003, 195, 81-90.	2.8	184
30	Immunity by equilibrium. <i>Nature Reviews Immunology</i> , 2016, 16, 524-532.	10.6	161
31	Imprinting of the immune system by the microbiota early in life. <i>Mucosal Immunology</i> , 2020, 13, 183-189.	2.7	153
32	Skin and Peripheral Lymph Node Invariant NKT Cells Are Mainly Retinoic Acid Receptor-Related Orphan Receptor γ^t+ and Respond Preferentially under Inflammatory Conditions. <i>Journal of Immunology</i> , 2009, 183, 2142-2149.	0.4	140
33	Activation of Type 3 Innate Lymphoid Cells and Interleukin 22 Secretion in the Lungs During <i>Streptococcus pneumoniae</i> Infection. <i>Journal of Infectious Diseases</i> , 2014, 210, 493-503.	1.9	137
34	Inducible lymphoid tissues in the adult gut: recapitulation of a fetal developmental pathway?. <i>Nature Reviews Immunology</i> , 2005, 5, 413-420.	10.6	121
35	Inflammation Recapitulates the Ontogeny of Lymphoid Stromal Cells. <i>Journal of Immunology</i> , 2009, 182, 5789-5799.	0.4	112
36	Dysregulation of ILC3s unleashes progression and immunotherapy resistance in colon cancer. <i>Cell</i> , 2021, 184, 5015-5030.e16.	13.5	102

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37	Bacterial sensing via neuronal Nod2 regulates appetite and body temperature. <i>Science</i> , 2022, 376, eabj3986.	6.0	76
38	A circadian clock is essential for homeostasis of group 3 innate lymphoid cells in the gut. <i>Science Immunology</i> , 2019, 4, .	5.6	71
39	Restricted Microbiota and Absence of Cognate TCR Antigen Leads to an Unbalanced Generation of Th17 Cells. <i>Journal of Immunology</i> , 2011, 186, 1531-1537.	0.4	67
40	General method for the modification of different BAC types and the rapid generation of BAC transgenic mice. <i>Genesis</i> , 2004, 38, 39-50.	0.8	61
41	Development and evolution of ROR γ cells in a microbe's world. <i>Immunological Reviews</i> , 2012, 245, 177-188.	2.8	58
42	The development of LT α cells. <i>Current Opinion in Immunology</i> , 2012, 24, 178-183.	2.4	55
43	Innate lymphoid cells in defense, immunopathology and immunotherapy. <i>Nature Immunology</i> , 2016, 17, 755-757.	7.0	54
44	Intestinal microbiota, evolution of the immune system and the bad reputation of pro-inflammatory immunity. <i>Cellular Microbiology</i> , 2011, 13, 653-659.	1.1	53
45	Development and regulation of ROR γ innate lymphoid cells. <i>FEBS Letters</i> , 2014, 588, 4176-4181.	1.3	52
46	Antigen-presenting innate lymphoid cells orchestrate neuroinflammation. <i>Nature</i> , 2021, 600, 707-712.	13.7	35
47	ZBTB46 defines and regulates ILC3s that protect the intestine. <i>Nature</i> , 2022, 609, 159-165.	13.7	33
48	Metabolic regulation by PPAR γ is required for IL-33-mediated activation of ILC2s in lung and adipose tissue. <i>Mucosal Immunology</i> , 2021, 14, 585-593.	2.7	31
49	From induced to programmed lymphoid tissues: the long road to preempt pathogens. <i>Trends in Immunology</i> , 2007, 28, 423-428.	2.9	30
50	Lymphotoxin receptor-independent development of intestinal IL-22-producing NKp46 innate lymphoid cells. <i>European Journal of Immunology</i> , 2011, 41, 780-786.	1.6	29
51	Bacteria and MAMP-induced morphogenesis of the immune system. <i>Current Opinion in Immunology</i> , 2010, 22, 448-454.	2.4	28
52	Towards a General Theory of Immunity?. <i>Trends in Immunology</i> , 2018, 39, 261-263.	2.9	28
53	Excess calorie intake early in life increases susceptibility to colitis in adulthood. <i>Nature Metabolism</i> , 2019, 1, 1101-1109.	5.1	28
54	Group 3 innate lymphoid cells produce the growth factor HB-EGF to protect the intestine from TNF-mediated inflammation. <i>Nature Immunology</i> , 2022, 23, 251-261.	7.0	28

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55	Notch regulates Th17 differentiation and controls trafficking of IL-17 and metabolic regulators within Th17 cells in a context-dependent manner. <i>Scientific Reports</i> , 2016, 6, 39117.	1.6	25
56	S100A4 Protein Is Essential for the Development of Mature Microfold Cells in Peyer's Patches. <i>Cell Reports</i> , 2019, 29, 2823-2834.e7.	2.9	25
57	Microorganisms as scaffolds of host individuality: an eco-immunity account of the holobiont. <i>Biology and Philosophy</i> , 2016, 31, 819-837.	0.7	22
58	Type 3 regulatory T cells at the interface of symbiosis. <i>Journal of Microbiology</i> , 2018, 56, 163-171.	1.3	22
59	Mouse models for the study of fate and function of innate lymphoid cells. <i>European Journal of Immunology</i> , 2018, 48, 1271-1280.	1.6	21
60	The neuropeptide VIP potentiates intestinal innate type 2 and type 3 immunity in response to feeding. <i>Mucosal Immunology</i> , 2022, 15, 629-641.	2.7	21
61	An optimized protocol for isolating lymphoid stromal cells from the intestinal lamina propria. <i>Journal of Immunological Methods</i> , 2015, 421, 14-19.	0.6	20
62	The microbiota, a necessary element of immunity. <i>Comptes Rendus - Biologies</i> , 2018, 341, 281-283.	0.1	15
63	Close encounters of the second type. <i>Nature</i> , 2010, 464, 1285-1286.	13.7	14
64	Control of pathogens and microbiota by innate lymphoid cells. <i>Microbes and Infection</i> , 2018, 20, 317-322.	1.0	6
65	ILC3s control splenic cDC homeostasis via lymphotoxin signaling. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	6
66	GAPs in early life facilitate immune tolerance. <i>Science Immunology</i> , 2017, 2, .	5.6	5
67	Tofacitinib treatment alters mucosal immunity and gut microbiota during experimental arthritis. <i>Clinical and Translational Medicine</i> , 2020, 10, e163.	1.7	5
68	Robustness in living organisms is homeostasis. <i>Seminars in Immunology</i> , 2018, 36, 56-57.	2.7	2
69	Beware of whom you live with: Your intestinal IgA may depend on it. <i>European Journal of Immunology</i> , 2020, 50, 779-782.	1.6	1