

Andreas Diefenbach

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109
papers

20,265
citations

51
h-index

116
g-index

116
ext. papers

24,386
ext. citations

17.1
avg, IF

6.54
L-index

#	Paper	IF	Citations
109	Innate lymphoid cells--a proposal for uniform nomenclature. <i>Nature Reviews Immunology</i> , 2013 , 13, 145-96.5	36.5	1655
108	Host microbiota constantly control maturation and function of microglia in the CNS. <i>Nature Neuroscience</i> , 2015 , 18, 965-77	25.5	1511
107	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. <i>Nature Neuroscience</i> , 2013 , 16, 273-80	25.5	875
106	Innate Lymphoid Cells: 10 Years On. <i>Cell</i> , 2018 , 174, 1054-1066	56.2	846
105	Rae1 and H60 ligands of the NKG2D receptor stimulate tumour immunity. <i>Nature</i> , 2001 , 413, 165-71	50.4	832
104	Differentiation of type 1 ILCs from a common progenitor to all helper-like innate lymphoid cell lineages. <i>Cell</i> , 2014 , 157, 340-356	56.2	746
103	Reactive oxygen and reactive nitrogen intermediates in innate and specific immunity. <i>Current Opinion in Immunology</i> , 2000 , 12, 64-76	7.8	723
102	Ligands for the murine NKG2D receptor: expression by tumor cells and activation of NK cells and macrophages. <i>Nature Immunology</i> , 2000 , 1, 119-26	19.1	684
101	Dendritic cells prime natural killer cells by trans-presenting interleukin 15. <i>Immunity</i> , 2007 , 26, 503-17	32.3	682
100	ROR γ and commensal microflora are required for the differentiation of mucosal interleukin 22-producing NKp46+ cells. <i>Nature Immunology</i> , 2009 , 10, 83-91	19.1	667
99	The transcription factor GATA-3 controls cell fate and maintenance of type 2 innate lymphoid cells. <i>Immunity</i> , 2012 , 37, 634-48	32.3	612
98	Natural aryl hydrocarbon receptor ligands control organogenesis of intestinal lymphoid follicles. <i>Science</i> , 2011 , 334, 1561-5	33.3	584
97	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. <i>Cell</i> , 2020 , 182, 1419-1440.e236.2	36.2	558
96	Regulated expression of nuclear receptor ROR γ confers distinct functional fates to NK cell receptor-expressing ROR γ (+) innate lymphocytes. <i>Immunity</i> , 2010 , 33, 736-51	32.3	517
95	The role of the NKG2D immunoreceptor in immune cell activation and natural killing. <i>Immunity</i> , 2002 , 17, 19-29	32.3	503
94	B cell-helper neutrophils stimulate the diversification and production of immunoglobulin in the marginal zone of the spleen. <i>Nature Immunology</i> , 2011 , 13, 170-80	19.1	501
93	A T-bet gradient controls the fate and function of CCR6-ROR γ (+) innate lymphoid cells. <i>Nature</i> , 2013 , 494, 261-5	50.4	498

92	The role of nitric oxide in innate immunity. <i>Immunological Reviews</i> , 2000 , 173, 17-26	11.3	490
91	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
90	Development, differentiation, and diversity of innate lymphoid cells. <i>Immunity</i> , 2014 , 41, 354-365	32.3	410
89	Interleukin-12 and -23 Control Plasticity of CD127(+) Group 1 and Group 3 Innate Lymphoid Cells in the Intestinal Lamina Propria. <i>Immunity</i> , 2015 , 43, 146-60	32.3	407
88	Selective associations with signaling proteins determine stimulatory versus costimulatory activity of NKG2D. <i>Nature Immunology</i> , 2002 , 3, 1142-9	19.1	364
87	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
86	Type 1 interferon (IFN α / β) and type 2 nitric oxide synthase regulate the innate immune response to a protozoan parasite. <i>Immunity</i> , 1998 , 8, 77-87	32.3	325
85	Priming of natural killer cells by nonmucosal mononuclear phagocytes requires instructive signals from commensal microbiota. <i>Immunity</i> , 2012 , 37, 171-86	32.3	314
84	Natural killer cell activation enhances immune pathology and promotes chronic infection by limiting CD8+ T-cell immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1210-5	11.5	241
83	Interferon- γ and interleukin 22 act synergistically for the induction of interferon-stimulated genes and control of rotavirus infection. <i>Nature Immunology</i> , 2015 , 16, 698-707	19.1	200
82	Innate immune surveillance of spontaneous B cell lymphomas by natural killer cells and gammadelta T cells. <i>Journal of Experimental Medicine</i> , 2004 , 199, 879-84	16.6	187
81	Strategies for target cell recognition by natural killer cells. <i>Immunological Reviews</i> , 2001 , 181, 170-84	11.3	169
80	The innate immune response to tumors and its role in the induction of T-cell immunity. <i>Immunological Reviews</i> , 2002 , 188, 9-21	11.3	168
79	Fibroblasts as host cells in latent leishmaniosis. <i>Journal of Experimental Medicine</i> , 2000 , 191, 2121-30	16.6	160
78	Type I interferon protects antiviral CD8+ T cells from NK cell cytotoxicity. <i>Immunity</i> , 2014 , 40, 949-60	32.3	156
77	Interleukin-22 protects intestinal stem cells against genotoxic stress. <i>Nature</i> , 2019 , 566, 249-253	50.4	153
76	Cutting edge: tumor rejection mediated by NKG2D receptor-ligand interaction is dependent upon perforin. <i>Journal of Immunology</i> , 2002 , 169, 5377-81	5.3	151
75	NKG2D recognition and perforin effector function mediate effective cytokine immunotherapy of cancer. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1325-35	16.6	145

74	A novel ligand for the NKG2D receptor activates NK cells and macrophages and induces tumor immunity. <i>European Journal of Immunology</i> , 2003 , 33, 381-91	6.1	134
73	Early parasite containment is decisive for resistance to <i>Leishmania major</i> infection. <i>European Journal of Immunology</i> , 1995 , 25, 2220-7	6.1	133
72	Leukocyte-derived IFN- γ and epithelial IFN- γ constitute a compartmentalized mucosal defense system that restricts enteric virus infections. <i>PLoS Pathogens</i> , 2015 , 11, e1004782	7.6	130
71	NK cells respond to pulmonary infection with <i>Mycobacterium tuberculosis</i> , but play a minimal role in protection. <i>Journal of Immunology</i> , 2003 , 171, 6039-45	5.3	128
70	Transcription factor EBF1 is essential for the maintenance of B cell identity and prevention of alternative fates in committed cells. <i>Nature Immunology</i> , 2013 , 14, 867-75	19.1	121
69	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. <i>Immunity</i> , 2020 , 53, 1296-1314.e9	32.3	109
68	Impaired humoral and cellular immunity after SARS-CoV-2 BNT162b2 (tozinameran) prime-boost vaccination in kidney transplant recipients. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	91
67	Control of epithelial cell function by interleukin-22-producing ROR γ ⁺ innate lymphoid cells. <i>Immunology</i> , 2011 , 132, 453-65	7.8	83
66	The transcription factor T-bet is induced by IL-15 and thymic agonist selection and controls CD8 α ⁺ intraepithelial lymphocyte development. <i>Immunity</i> , 2014 , 41, 230-43	32.3	78
65	Innate immune recognition by stimulatory immunoreceptors. <i>Current Opinion in Immunology</i> , 2003 , 15, 37-44	7.8	76
64	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. <i>Cell</i> , 2020 , 181, 1080-1096.e19	56.2	63
63	Purinergic P2Y γ receptors promote neutrophil infiltration and hepatocyte death in mice with acute liver injury. <i>Gastroenterology</i> , 2012 , 143, 1620-1629.e4	13.3	62
62	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. <i>Cell</i> , 2016 , 167, 1264-1280.e18	51.2	60
61	A catch-22: Interleukin-22 and cancer. <i>European Journal of Immunology</i> , 2018 , 48, 15-31	6.1	60
60	Tissue microenvironment dictates the fate and tumor-suppressive function of type 3 ILCs. <i>Journal of Experimental Medicine</i> , 2017 , 214, 2331-2347	16.6	54
59	Regulation of type 2 nitric oxide synthase by type 1 interferons in macrophages infected with <i>Leishmania major</i> . <i>European Journal of Immunology</i> , 2000 , 30, 2257-67	6.1	53
58	Role of the Aryl Hydrocarbon Receptor in Controlling Maintenance and Functional Programs of ROR γ ⁺ Innate Lymphoid Cells and Intraepithelial Lymphocytes. <i>Frontiers in Immunology</i> , 2012 , 3, 124	8.4	49
57	Multifaceted roles of interleukin-7 signaling for the development and function of innate lymphoid cells. <i>Seminars in Immunology</i> , 2012 , 24, 165-74	10.7	46

56	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
55	Interplay of innate lymphoid cells and the microbiota. <i>Immunological Reviews</i> , 2017 , 279, 36-51	11.3	40
54	Unlike I _H cells, I _N cells, LTi cells and NKT cells do not require IRF4 for the production of IL-17A and IL-22. <i>European Journal of Immunology</i> , 2012 , 42, 3189-201	6.1	39
53	Card9-dependent IL-1β regulates IL-22 production from group 3 innate lymphoid cells and promotes colitis-associated cancer. <i>European Journal of Immunology</i> , 2017 , 47, 1342-1353	6.1	34
52	Innate lymphoid cells, precursors and plasticity. <i>Immunology Letters</i> , 2016 , 179, 9-18	4.1	34
51	Isolation of NK cells and NK-like cells from the intestinal lamina propria. <i>Methods in Molecular Biology</i> , 2010 , 612, 505-17	1.4	33
50	The stalk domain and the glycosylation status of the activating natural killer cell receptor NKp30 are important for ligand binding. <i>Journal of Biological Chemistry</i> , 2012 , 287, 31527-39	5.4	30
49	Innate lymphoid cells in the defense against infections. <i>European Journal of Microbiology and Immunology</i> , 2013 , 3, 143-51	4.6	29
48	Transcription factors controlling development and function of innate lymphoid cells. <i>International Immunology</i> , 2014 , 26, 119-28	4.9	29
47	Innate lymphoid cells: from border protection to the initiation of inflammatory diseases. <i>Immunology and Cell Biology</i> , 2013 , 91, 215-24	5	26
46	Untimely TGFβ responses in COVID-19 limit antiviral functions of NK cells. <i>Nature</i> , 2021 , 600, 295-301	50.4	26
45	Innate Lymphoid Cell-Epithelial Cell Modules Sustain Intestinal Homeostasis. <i>Immunity</i> , 2020 , 52, 452-463	32.3	25
44	T-bet and Gata3 in controlling type 1 and type 2 immunity mediated by innate lymphoid cells. <i>Current Opinion in Immunology</i> , 2013 , 25, 139-47	7.8	25
43	Lack of Type 2 Innate Lymphoid Cells Promotes a Type I-Driven Enhanced Immune Response in Contact Hypersensitivity. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 1962-1972	4.3	23
42	Transcription factors controlling innate lymphoid cell fate decisions. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 381, 215-55	3.3	23
41	Natural killer cells: stress out, turn on, tune in. <i>Current Biology</i> , 1999 , 9, R851-3	6.3	22
40	Natural killer cell receptor-expressing innate lymphocytes: more than just NK cells. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 3541-55	10.3	20
39	Transcriptional control of innate lymphocyte fate decisions. <i>Current Opinion in Immunology</i> , 2012 , 24, 290-6	7.8	18

38	Group 1 innate lymphoid cells in <i>Toxoplasma gondii</i> infection. <i>Parasite Immunology</i> , 2018 , 40, e12516	2.2	17
37	Contrasting roles of DAP10 and KARAP/DAP12 signaling adaptors in activation of the RBL-2H3 leukemic mast cell line. <i>European Journal of Immunology</i> , 2003 , 33, 3514-22	6.1	17
36	Isolation and Flow Cytometry Analysis of Innate Lymphoid Cells from the Intestinal Lamina Propria. <i>Methods in Molecular Biology</i> , 2017 , 1559, 255-265	1.4	16
35	Consolidation of Clinical Microbiology Laboratories and Introduction of Transformative Technologies. <i>Clinical Microbiology Reviews</i> , 2020 , 33,	34	16
34	Adipose tissue: ILC2 crank up the heat. <i>Cell Metabolism</i> , 2015 , 21, 152-153	24.6	16
33	Opposing functions of thymic stromal lymphopoietin-responsive basophils and dendritic cells in a mouse model of atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1443-1446.e8	11.5	16
32	Innate lymphoid cells, mediators of tissue homeostasis, adaptation and disease tolerance. <i>Immunological Reviews</i> , 2018 , 286, 86-101	11.3	16
31	Tuft cell-derived IL-25 activates and maintains ILC2. <i>Immunology and Cell Biology</i> , 2016 , 94, 221-3	5	15
30	NK Cell Development in Times of Innate Lymphoid Cell Diversity. <i>Frontiers in Immunology</i> , 2020 , 11, 813	8.4	13
29	The activating receptor NKG2D of natural killer cells promotes resistance against enterovirus-mediated inflammatory cardiomyopathy. <i>Journal of Pathology</i> , 2014 , 234, 164-77	9.4	13
28	IFN-gamma inhibits the production of latent transforming growth factor-beta1 by mouse inflammatory macrophages. <i>European Journal of Immunology</i> , 1998 , 28, 1181-8	6.1	13
27	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
26	Group 3 Innate Lymphoid Cells Program a Distinct Subset of IL-22BP-Producing Dendritic Cells Demarcating Solitary Intestinal Lymphoid Tissues. <i>Immunity</i> , 2020 , 53, 1015-1032.e8	32.3	12
25	Expression of IL-17F is associated with non-pathogenic Th17 cells. <i>Journal of Molecular Medicine</i> , 2018 , 96, 819-829	5.5	11
24	A Murine Intestinal Intraepithelial NKp46-Negative Innate Lymphoid Cell Population Characterized by Group 1 Properties. <i>Cell Reports</i> , 2017 , 19, 1431-1443	10.6	10
23	Innate lymphoid cells and cancer at border surfaces with the environment. <i>Seminars in Immunology</i> , 2019 , 41, 101278	10.7	10
22	NK Cells Regulate CD8 T Cell Mediated Autoimmunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 36	5.9	10
21	c-Maf restrains T-bet-driven programming of CCR6-negative group 3 innate lymphoid cells. <i>ELife</i> , 2020 , 9,	8.9	10

20	Cutting Edge: Imbalanced Cation Homeostasis in MAGT1-Deficient B Cells Dysregulates B Cell Development and Signaling in Mice. <i>Journal of Immunology</i> , 2018 , 200, 2529-2534	5.3	9
19	Profiling the diversity of innate lymphoid cells. <i>Nature Immunology</i> , 2015 , 16, 222-4	19.1	8
18	Innate lymphocytes induce inflammatory bowel disease. <i>Immunology and Cell Biology</i> , 2010 , 88, 694-6	5	7
17	Suitability of current typing procedures to identify epidemiologically linked human <i>Giardia duodenalis</i> isolates. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009277	4.8	6
16	Granzyme A and CD160 expression delineates ILC1 with graded functions in the mouse liver. <i>European Journal of Immunology</i> , 2021 , 51, 2568-2575	6.1	6
15	Regenerative biology: Innate immunity repairs gut lining. <i>Nature</i> , 2015 , 528, 488-9	50.4	5
14	Interleukin-22, the guardian of the intestinal stem cell niche?. <i>Immunity</i> , 2012 , 37, 196-8	32.3	5
13	Enabling anti-tumor immunity by unleashing ILC2. <i>Cell Research</i> , 2020 , 30, 461-462	24.7	4
12	Development of Gut-Associated Lymphoid Tissues 2015 , 31-42		3
11	Microbiome and Gut Immunity: Innate Immune Cells 2018 , 103-118		2
10	In vivo blocking of L-selectin rescues BALB/c mice from fatal <i>Leishmania major</i> infection. <i>Immunology Letters</i> , 1997 , 57, 89-91	4.1	2
9	Nitric Oxide in Leishmaniasis 2002 , 361-377		2
8	Antigen-presenting innate lymphoid cells orchestrate neuroinflammation. <i>Nature</i> , 2021 ,	50.4	2
7	Type 1 innate lymphoid cells regulate the onset of <i>Toxoplasma gondii</i> -induced neuroinflammation.. <i>Cell Reports</i> , 2022 , 38, 110564	10.6	2
6	Gut Immunity: Passing on the Baton from Innate to Adaptive Immunity. <i>Current Biology</i> , 2018 , 28, R562-R565	15.5	1
5	Studying NK cell/dendritic cell interactions. <i>Methods in Molecular Biology</i> , 2010 , 612, 97-126	1.4	1
4	Induction of cross-reactive antibody responses against the RBD domain of the spike protein of SARS-CoV-2 by commensal microbiota		1
3	Rotavirus susceptibility of antibiotic-treated mice ascribed to diminished expression of interleukin-22. <i>PLoS ONE</i> , 2021 , 16, e0247738	3.7	1

- 2 ID2 controls differentiation of enteroendocrine cells in mouse small intestine.. *Acta Physiologica*, **2022**, e13773 5.6 ○
- 1 Natural Killer Cells **2014**, 75-93