Andreas Diefenbach

List of Publications by Year in Descending Order

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	ID2 controls differentiation of enteroendocrine cells in mouse small intestine.. *Acta Physiologica*, **2022**, e13773	5.6	0
108	Type 1 innate lymphoid cells regulate the onset of Toxoplasma gondii-induced neuroinflammation.. *Cell Reports*, **2022**, 38, 110564	10.6	2
107	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
106	Antigen-presenting innate lymphoid cells orchestrate neuroinflammation. *Nature*, **2021**,	50.4	2
105	Untimely TGF responses in COVID-19 limit antiviral functions of NK cells. *Nature*, **2021**, 600, 295-301	50.4	26
104	Suitability of current typing procedures to identify epidemiologically linked human Giardia duodenalis isolates. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009277	4.8	6
103	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
102	Impaired humoral and cellular immunity after SARS-CoV-2 BNT162b2 (tozinameran) prime-boost vaccination in kidney transplant recipients. *Journal of Clinical Investigation*, **2021**, 131,	15.9	91
101	Rotavirus susceptibility of antibiotic-treated mice ascribed to diminished expression of interleukin-22. *PLoS ONE*, **2021**, 16, e0247738	3.7	1
100	Granzyme A and CD160 expression delineates ILC1 with graded functions in the mouse liver. *European Journal of Immunology*, **2021**, 51, 2568-2575	6.1	6
99	Enabling anti-tumor immunity by unleashing ILC2. *Cell Research*, **2020**, 30, 461-462	24.7	4
98	NK Cell Development in Times of Innate Lymphoid Cell Diversity. *Frontiers in Immunology*, **2020**, 11, 813	8.4	13
97	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. *Cell*, **2020**, 181, 1080-1096.e19	56.2	63
96	Innate Lymphoid Cell-Epithelial Cell Modules Sustain Intestinal Homeostasis. *Immunity*, **2020**, 52, 452-463	32.3	25
95	NK Cells Regulate CD8 T Cell Mediated Autoimmunity. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 36	5.9	10
94	Consolidation of Clinical Microbiology Laboratories and Introduction of Transformative Technologies. *Clinical Microbiology Reviews*, **2020**, 33,	34	16
93	c-Maf restrains T-bet-driven programming of CCR6-negative group 3 innate lymphoid cells. *ELife*, **2020**, 9,	8.9	10

92	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. *Immunity*, **2020**, 53, 1296-1314.e9	32.3	109
91	Group 3 Innate Lymphoid Cells Program a Distinct Subset of IL-22BP-Producing Dendritic Cells Demarcating Solitary Intestinal Lymphoid Tissues. *Immunity*, **2020**, 53, 1015-1032.e8	32.3	12
90	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. *Cell*, **2020**, 182, 1419-1440.e23	36.2	558
89	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
88	Innate lymphoid cells and cancer at border surfaces with the environment. *Seminars in Immunology*, **2019**, 41, 101278	10.7	10
87	Interleukin-22 protects intestinal stem cells against genotoxic stress. *Nature*, **2019**, 566, 249-253	50.4	153
86	Group 1 innate lymphoid cells in Toxoplasma gondii infection. *Parasite Immunology*, **2018**, 40, e12516	2.2	17
85	Lack of Type 2 Innate Lymphoid Cells Promotes a Type I-Driven Enhanced Immune Response in Contact Hypersensitivity. *Journal of Investigative Dermatology*, **2018**, 138, 1962-1972	4.3	23
84	Cutting Edge: Imbalanced Cation Homeostasis in MAGT1-Deficient B Cells Dysregulates B Cell Development and Signaling in Mice. *Journal of Immunology*, **2018**, 200, 2529-2534	5.3	9
83	Expression of IL-17F is associated with non-pathogenic Th17 cells. *Journal of Molecular Medicine*, **2018**, 96, 819-829	5.5	11
82	Microbiome and Gut Immunity: Innate Immune Cells **2018**, 103-118		2
81	Gut Immunity: Passing on the Baton from Innate to Adaptive Immunity. *Current Biology*, **2018**, 28, R562-R565	6.5	1
80	Innate Lymphoid Cells: 10 Years On. *Cell*, **2018**, 174, 1054-1066	56.2	846
79	A catch-22: Interleukin-22 and cancer. *European Journal of Immunology*, **2018**, 48, 15-31	6.1	60
78	Innate lymphoid cells, mediators of tissue homeostasis, adaptation and disease tolerance. *Immunological Reviews*, **2018**, 286, 86-101	11.3	16
77	Isolation and Flow Cytometry Analysis of Innate Lymphoid Cells from the Intestinal Lamina Propria. *Methods in Molecular Biology*, **2017**, 1559, 255-265	1.4	16
76	A Murine Intestinal Intraepithelial NKp46-Negative Innate Lymphoid Cell Population Characterized by Group 1 Properties. *Cell Reports*, **2017**, 19, 1431-1443	10.6	10
75	Card9-dependent IL-1β regulates IL-22 production from group 3 innate lymphoid cells and promotes colitis-associated cancer. *European Journal of Immunology*, **2017**, 47, 1342-1353	6.1	34

74	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
73	Interplay of innate lymphoid cells and the microbiota. *Immunological Reviews*, **2017**, 279, 36-51	11.3	40
72	Tissue microenvironment dictates the fate and tumor-suppressive function of type 3 ILCs. *Journal of Experimental Medicine*, **2017**, 214, 2331-2347	16.6	54
71	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. *Cell*, **2016**, 167, 1264-1280.e18	56.2	60
70	Innate lymphoid cells, precursors and plasticity. *Immunology Letters*, **2016**, 179, 9-18	4.1	34
69	Opposing functions of thymic stromal lymphopoietin-responsive basophils and dendritic cells in a mouse model of atopic dermatitis. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 1443-1446.e8	11.5	16
68	Tuft cell-derived IL-25 activates and maintains ILC2. *Immunology and Cell Biology*, **2016**, 94, 221-3	5	15
67	Interleukin-12 and -23 Control Plasticity of CD127(+) Group 1 and Group 3 Innate Lymphoid Cells in the Intestinal Lamina Propria. *Immunity*, **2015**, 43, 146-60	32.3	407
66	Leukocyte-derived IFN-α and epithelial IFN-λ constitute a compartmentalized mucosal defense system that restricts enteric virus infections. *PLoS Pathogens*, **2015**, 11, e1004782	7.6	130
65	Interferon-λ and interleukin 22 act synergistically for the induction of interferon-stimulated genes and control of rotavirus infection. *Nature Immunology*, **2015**, 16, 698-707	19.1	200
64	Host microbiota constantly control maturation and function of microglia in the CNS. *Nature Neuroscience*, **2015**, 18, 965-77	25.5	1511
63	Development of Gut-Associated Lymphoid Tissues **2015**, 31-42		3
62	Regenerative biology: Innate immunity repairs gut lining. *Nature*, **2015**, 528, 488-9	50.4	5
61	Adipose tissue: ILC2 crank up the heat. *Cell Metabolism*, **2015**, 21, 152-153	24.6	16
60	Profiling the diversity of innate lymphoid cells. *Nature Immunology*, **2015**, 16, 222-4	19.1	8
59	Differentiation of type 1 ILCs from a common progenitor to all helper-like innate lymphoid cell lineages. *Cell*, **2014**, 157, 340-356	56.2	746
58	The transcription factor T-bet is induced by IL-15 and thymic agonist selection and controls CD8α(+) intraepithelial lymphocyte development. *Immunity*, **2014**, 41, 230-43	32.3	78
57	Transcription factors controlling innate lymphoid cell fate decisions. *Current Topics in Microbiology and Immunology*, **2014**, 381, 215-55	3.3	23

56	Development, differentiation, and diversity of innate lymphoid cells. *Immunity*, **2014**, 41, 354-365	32.3	410
55	Type I interferon protects antiviral CD8+ T cells from NK cell cytotoxicity. *Immunity*, **2014**, 40, 949-60	32.3	156
54	The activating receptor NKG2D of natural killer cells promotes resistance against enterovirus-mediated inflammatory cardiomyopathy. *Journal of Pathology*, **2014**, 234, 164-77	9.4	13
53	Transcription factors controlling development and function of innate lymphoid cells. *International Immunology*, **2014**, 26, 119-28	4.9	29
52	Natural Killer Cells **2014**, 75-93		
51	Transcription factor EBF1 is essential for the maintenance of B cell identity and prevention of alternative fates in committed cells. *Nature Immunology*, **2013**, 14, 867-75	19.1	121
50	Innate lymphoid cells in the defense against infections. *European Journal of Microbiology and Immunology*, **2013**, 3, 143-51	4.6	29
49	A T-bet gradient controls the fate and function of CCR6-RORγt+ innate lymphoid cells. *Nature*, **2013**, 494, 261-5	50.4	498
48	Innate lymphoid cells--a proposal for uniform nomenclature. *Nature Reviews Immunology*, **2013**, 13, 145-9	36.5	1655
47	T-bet and Gata3 in controlling type 1 and type 2 immunity mediated by innate lymphoid cells. *Current Opinion in Immunology*, **2013**, 25, 139-47	7.8	25
46	Innate lymphoid cells: from border protection to the initiation of inflammatory diseases. *Immunology and Cell Biology*, **2013**, 91, 215-24	5	26
45	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. *Nature Neuroscience*, **2013**, 16, 273-80	25.5	875
44	Interleukin-22, the guardian of the intestinal stem cell niche?. *Immunity*, **2012**, 37, 196-8	32.3	5
43	Unlike γδT cells, αβT cells, LTi cells and NKT cells do not require IRF4 for the production of IL-17A and IL-22. *European Journal of Immunology*, **2012**, 42, 3189-201	6.1	39
42	Priming of natural killer cells by nonmucosal mononuclear phagocytes requires instructive signals from commensal microbiota. *Immunity*, **2012**, 37, 171-86	32.3	314
41	The transcription factor GATA-3 controls cell fate and maintenance of type 2 innate lymphoid cells. *Immunity*, **2012**, 37, 634-48	32.3	612
40	The stalk domain and the glycosylation status of the activating natural killer cell receptor NKp30 are important for ligand binding. *Journal of Biological Chemistry*, **2012**, 287, 31527-39	5.4	30
39	Transcriptional control of innate lymphocyte fate decisions. *Current Opinion in Immunology*, **2012**, 24, 290-6	7.8	18

38	Purinergic P2Y receptors promote neutrophil infiltration and hepatocyte death in mice with acute liver injury. *Gastroenterology*, **2012**, 143, 1620-1629.e4	13.3	62
37	Multifaceted roles of interleukin-7 signaling for the development and function of innate lymphoid cells. *Seminars in Immunology*, **2012**, 24, 165-74	10.7	46
36	Role of the Aryl Hydrocarbon Receptor in Controlling Maintenance and Functional Programs of RORE(+) Innate Lymphoid Cells and Intraepithelial Lymphocytes. *Frontiers in Immunology*, **2012**, 3, 124	8.4	49
35	Natural killer cell activation enhances immune pathology and promotes chronic infection by limiting CD8+ T-cell immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 1210-5	11.5	241
34	B cell-helper neutrophils stimulate the diversification and production of immunoglobulin in the marginal zone of the spleen. *Nature Immunology*, **2011**, 13, 170-80	19.1	501
33	Natural aryl hydrocarbon receptor ligands control organogenesis of intestinal lymphoid follicles. *Science*, **2011**, 334, 1561-5	33.3	584
32	Control of epithelial cell function by interleukin-22-producing RORE+ innate lymphoid cells. *Immunology*, **2011**, 132, 453-65	7.8	83
31	Natural killer cell receptor-expressing innate lymphocytes: more than just NK cells. *Cellular and Molecular Life Sciences*, **2011**, 68, 3541-55	10.3	20
30	Innate lymphocytes induce inflammatory bowel disease. *Immunology and Cell Biology*, **2010**, 88, 694-6	5	7
29	Studying NK cell/dendritic cell interactions. *Methods in Molecular Biology*, **2010**, 612, 97-126	1.4	1
28	Isolation of NK cells and NK-like cells from the intestinal lamina propria. *Methods in Molecular Biology*, **2010**, 612, 505-17	1.4	33
27	Regulated expression of nuclear receptor RORE confers distinct functional fates to NK cell receptor-expressing RORE(+) innate lymphocytes. *Immunity*, **2010**, 33, 736-51	32.3	517
26	RORgammat and commensal microflora are required for the differentiation of mucosal interleukin 22-producing NKp46+ cells. *Nature Immunology*, **2009**, 10, 83-91	19.1	667
25	Dendritic cells prime natural killer cells by trans-presenting interleukin 15. *Immunity*, **2007**, 26, 503-17	32.3	682
24	NKG2D recognition and perforin effector function mediate effective cytokine immunotherapy of cancer. *Journal of Experimental Medicine*, **2004**, 200, 1325-35	16.6	145
23	Innate immune surveillance of spontaneous B cell lymphomas by natural killer cells and gammadelta T cells. *Journal of Experimental Medicine*, **2004**, 199, 879-84	16.6	187
22	A novel ligand for the NKG2D receptor activates NK cells and macrophages and induces tumor immunity. *European Journal of Immunology*, **2003**, 33, 381-91	6.1	134
21	Contrasting roles of DAP10 and KARAP/DAP12 signaling adaptors in activation of the RBL-2H3 leukemic mast cell line. *European Journal of Immunology*, **2003**, 33, 3514-22	6.1	17

20	Innate immune recognition by stimulatory immunoreceptors. *Current Opinion in Immunology*, **2003**, 15, 37-44	7.8	76
19	NK cells respond to pulmonary infection with Mycobacterium tuberculosis, but play a minimal role in protection. *Journal of Immunology*, **2003**, 171, 6039-45	5.3	128
18	The innate immune response to tumors and its role in the induction of T-cell immunity. *Immunological Reviews*, **2002**, 188, 9-21	11.3	168
17	Selective associations with signaling proteins determine stimulatory versus costimulatory activity of NKG2D. *Nature Immunology*, **2002**, 3, 1142-9	19.1	364
16	Cutting edge: tumor rejection mediated by NKG2D receptor-ligand interaction is dependent upon perforin. *Journal of Immunology*, **2002**, 169, 5377-81	5.3	151
15	Nitric Oxide in Leishmaniasis **2002**, 361-377		2
14	The role of the NKG2D immunoreceptor in immune cell activation and natural killing. *Immunity*, **2002**, 17, 19-29	32.3	503
13	Strategies for target cell recognition by natural killer cells. *Immunological Reviews*, **2001**, 181, 170-84	11.3	169
12	Rae1 and H60 ligands of the NKG2D receptor stimulate tumour immunity. *Nature*, **2001**, 413, 165-71	50.4	832
11	Regulation of type 2 nitric oxide synthase by type 1 interferons in macrophages infected with Leishmania major. *European Journal of Immunology*, **2000**, 30, 2257-67	6.1	53
10	Reactive oxygen and reactive nitrogen intermediates in innate and specific immunity. *Current Opinion in Immunology*, **2000**, 12, 64-76	7.8	723
9	The role of nitric oxide in innate immunity. *Immunological Reviews*, **2000**, 173, 17-26	11.3	490
8	Ligands for the murine NKG2D receptor: expression by tumor cells and activation of NK cells and macrophages. *Nature Immunology*, **2000**, 1, 119-26	19.1	684
7	Fibroblasts as host cells in latent leishmaniosis. *Journal of Experimental Medicine*, **2000**, 191, 2121-30	16.6	160
6	Natural killer cells: stress out, turn on, tune in. *Current Biology*, **1999**, 9, R851-3	6.3	22
5	IFN-gamma inhibits the production of latent transforming growth factor-beta1 by mouse inflammatory macrophages. *European Journal of Immunology*, **1998**, 28, 1181-8	6.1	13
4	Type 1 interferon (IFNalpha/beta) and type 2 nitric oxide synthase regulate the innate immune response to a protozoan parasite. *Immunity*, **1998**, 8, 77-87	32.3	325
3	In vivo blocking of L-selectin rescues BALB/c mice from fatal Leishmania major infection. *Immunology Letters*, **1997**, 57, 89-91	4.1	2

2	Early parasite containment is decisive for resistance to Leishmania major infection. *European Journal of Immunology*, **1995**, 25, 2220-7	6.1	133
1	Induction of cross-reactive antibody responses against the RBD domain of the spike protein of SARS-CoV-2 by commensal microbiota		1