

# David Artis

## List of Publications by Year in Descending Order

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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.

77  
papers

15,506  
citations

47  
h-index

79  
g-index

79  
ext. papers

19,057  
ext. citations

22.1  
avg, IF

7.19  
L-index

#	Paper	IF	Citations
77	Genetic manipulation of gut microbes enables single-gene interrogation in a complex microbiome.. <i>Cell</i> , <b>2022</b> ,	56.2	3
76	Joint Disease Activity in Inflammatory Bowel Disease-associated Peripheral Spondyloarthritis Stratifies Therapeutic Response. <b>2022</b> , 1, 137-140		
75	Neuronal regulation of innate lymphoid cell responses.. <i>Current Opinion in Immunology</i> , <b>2022</b> , 76, 102205.8	7.8	0
74	Joint single-cell measurements of nuclear proteins and RNA in vivo. <i>Nature Methods</i> , <b>2021</b> , 18, 1204-1212	11.6	9
73	The ChAT-acetylcholine pathway promotes group 2 innate lymphoid cell responses and anti-helminth immunity. <i>Science Immunology</i> , <b>2021</b> , 6,	28	24
72	Innate lymphoid cells control signaling circuits to regulate tissue-specific immunity. <i>Cell Research</i> , <b>2020</b> , 30, 475-491	24.7	48
71	Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. <i>Immunity</i> , <b>2020</b> , 52, 606-619.e6	32.3	34
70	Neuro-immune Interactions in the Tissues. <i>Immunity</i> , <b>2020</b> , 52, 464-474	32.3	59
69	Targeted deletion of the TSLP receptor reveals cellular mechanisms that promote type 2 airway inflammation. <i>Mucosal Immunology</i> , <b>2020</b> , 13, 626-636	9.2	26
68	Innate Lymphoid Cells for the Control of Mucosal Immunity <b>2020</b> , 229-245		
67	Lung Innate Lymphoid Cell Composition Is Altered in Primary Graft Dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 63-72	10.2	7
66	Stromal cells maintain immune cell homeostasis in adipose tissue via production of interleukin-33. <i>Science Immunology</i> , <b>2019</b> , 4,	28	104
65	Spatial and Temporal Mapping of Human Innate Lymphoid Cells Reveals Elements of Tissue Specificity. <i>Immunity</i> , <b>2019</b> , 50, 505-519.e4	32.3	91
64	Neuropeptide CGRP Limits Group 2 Innate Lymphoid Cell Responses and Constrains Type 2 Inflammation. <i>Immunity</i> , <b>2019</b> , 51, 682-695.e6	32.3	98
63	Neuronal regulation of group 2 innate lymphoid cells and type 2 inflammation. <i>Advances in Immunology</i> , <b>2019</b> , 143, 1-9	5.6	9
62	Modulation of the fungal mycobiome is regulated by the chitin-binding receptor FIBCD1. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 2689-2700	16.6	12
61	Neuro-immune crosstalk and allergic inflammation. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1475-1482	15.9	45

60	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 2714-2723	16.6	25
59	The microbiota regulate neuronal function and fear extinction learning. <i>Nature</i> , <b>2019</b> , 574, 543-548	50.4	161
58	Neuronal regulation of innate lymphoid cells. <i>Current Opinion in Immunology</i> , <b>2019</b> , 56, 94-99	7.8	23
57	Novel connections and precision approaches. <i>Nature Reviews Immunology</i> , <b>2019</b> , 19, 75-76	36.5	5
56	Adrenergic receptor-mediated negative regulation of group 2 innate lymphoid cell responses. <i>Science</i> , <b>2018</b> , 359, 1056-1061	33.3	173
55	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. <i>Cell</i> , <b>2018</b> , 173, 554-567	56.2	103
54	Neuronal-immune system cross-talk in homeostasis. <i>Science</i> , <b>2018</b> , 359, 1465-1466	33.3	60
53	Basophil-derived IL-4 promotes epicutaneous antigen sensitization concomitant with the development of food allergy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 223-234.e5	11.5	86
52	Commensal microbiota modulate gene expression in the skin. <i>Microbiome</i> , <b>2018</b> , 6, 20	16.6	93
51	Innate Lymphoid Cells: 10 Years On. <i>Cell</i> , <b>2018</b> , 174, 1054-1066	56.2	846
50	Response to Fungal Dysbiosis by Gut-Resident CX3CR1 Mononuclear Phagocytes Aggravates Allergic Airway Disease. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 847-856.e4	23.4	64
49	Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. <i>Immunity</i> , <b>2018</b> , 49, 709-724.e8	32.3	39
48	Anti-microbial Functions of Group 3 Innate Lymphoid Cells in Gut-Associated Lymphoid Tissues Are Regulated by G-Protein-Coupled Receptor 183. <i>Cell Reports</i> , <b>2018</b> , 23, 3750-3758	10.6	43
47	Skin-derived TSLP systemically expands regulatory T cells. <i>Journal of Autoimmunity</i> , <b>2017</b> , 79, 39-52	15.5	12
46	The neuropeptide NMU amplifies ILC2-driven allergic lung inflammation. <i>Nature</i> , <b>2017</b> , 549, 351-356	50.4	330
45	The neuropeptide neuromedin U stimulates innate lymphoid cells and type 2 inflammation. <i>Nature</i> , <b>2017</b> , 549, 282-286	50.4	282
44	Regulation of inflammation by microbiota interactions with the host. <i>Nature Immunology</i> , <b>2017</b> , 18, 851-860	36.0	318
43	IL-33-Dependent Group 2 Innate Lymphoid Cells Promote Cutaneous Wound Healing. <i>Journal of Investigative Dermatology</i> , <b>2016</b> , 136, 487-496	4.3	139

42	Emerging concepts and future challenges in innate lymphoid cell biology. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2229-2248	16.6	78
41	Innate lymphoid cells as regulators of immunity, inflammation and tissue homeostasis. <i>Nature Immunology</i> , <b>2016</b> , 17, 765-74	19.1	564
40	Tuft cells, taste-chemosensory cells, orchestrate parasite type 2 immunity in the gut. <i>Science</i> , <b>2016</b> , 351, 1329-33	33.3	471
39	TLR-7 activation enhances IL-22-mediated colonization resistance against vancomycin-resistant enterococcus. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 327ra25	17.5	60
38	Type I Interferon Receptor Deficiency in Dendritic Cells Facilitates Systemic Murine Norovirus Persistence Despite Enhanced Adaptive Immunity. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005684	7.6	40
37	Allergen Exposure: When Timing Is Everything. <i>Immunity</i> , <b>2016</b> , 45, 1188-1190	32.3	2
36	Arginase 1 is an innate lymphoid-cell-intrinsic metabolic checkpoint controlling type 2 inflammation. <i>Nature Immunology</i> , <b>2016</b> , 17, 656-65	19.1	168
35	Label-Free Imaging of Eosinophilic Esophagitis Mouse Models Using Optical Coherence Tomography. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1422, 127-36	1.4	1
34	Maintaining intestinal health: the genetics and immunology of very early onset inflammatory bowel disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2015</b> , 1, 462-476	7.9	32
33	IL-33 promotes an innate immune pathway of intestinal tissue protection dependent on amphiregulin-EGFR interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 10762-7	11.5	306
32	Reciprocal regulation of lymphoid tissue development in the large intestine by IL-25 and IL-23. <i>Mucosal Immunology</i> , <b>2015</b> , 8, 582-95	9.2	28
31	Exome sequencing analysis reveals variants in primary immunodeficiency genes in patients with very early onset inflammatory bowel disease. <i>Gastroenterology</i> , <b>2015</b> , 149, 1415-24	13.3	68
30	Innate lymphoid cells in the initiation, regulation and resolution of inflammation. <i>Nature Medicine</i> , <b>2015</b> , 21, 698-708	50.5	363
29	Immune regulation of metabolic homeostasis in health and disease. <i>Cell</i> , <b>2015</b> , 161, 146-160	56.2	282
28	The prostaglandin D <sub>2</sub> receptor CRTH2 regulates accumulation of group 2 innate lymphoid cells in the inflamed lung. <i>Mucosal Immunology</i> , <b>2015</b> , 8, 1313-23	9.2	153
27	Epithelial-intrinsic IKK $\beta$ expression regulates group 3 innate lymphoid cell responses and antibacterial immunity. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 1513-28	16.6	58
26	Group 2 innate lymphoid cells promote beiging of white adipose tissue and limit obesity. <i>Nature</i> , <b>2015</b> , 519, 242-6	50.4	615
25	IL-22 Protects against Tissue Damage during Cutaneous Leishmaniasis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134698	3.7	27

24	Emerging functions of amphiregulin in orchestrating immunity, inflammation, and tissue repair. <i>Immunity</i> , <b>2015</b> , 42, 216-226	32.3	286
23	Group 2 innate lymphoid cells in health and disease. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2015</b> , 7,	10.2	49
22	The biology of innate lymphoid cells. <i>Nature</i> , <b>2015</b> , 517, 293-301	50.4	1003
21	Goblet Cell Derived RELM- $\beta$ Recruits CD4+ T Cells during Infectious Colitis to Promote Protective Intestinal Epithelial Cell Proliferation. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1005108	7.6	45
20	Intestinal epithelial cells: regulators of barrier function and immune homeostasis. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 141-53	36.5	1464
19	Genetic manipulation of the ApoF/Stat2 locus supports an important role for type I interferon signaling in atherosclerosis. <i>Atherosclerosis</i> , <b>2014</b> , 233, 234-41	3.1	15
18	Epigenomic regulation of host-microbiota interactions. <i>Trends in Immunology</i> , <b>2014</b> , 35, 518-25	14.4	51
17	Basophils promote innate lymphoid cell responses in inflamed skin. <i>Journal of Immunology</i> , <b>2014</b> , 193, 3717-25	5.3	184
16	Oral-resident natural Th17 cells and $\gamma\delta$ T cells control opportunistic <i>Candida albicans</i> infections. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 2075-84	16.6	173
15	Coinfection. Virus-helminth coinfection reveals a microbiota-independent mechanism of immunomodulation. <i>Science</i> , <b>2014</b> , 345, 578-82	33.3	195
14	Constant replenishment from circulating monocytes maintains the macrophage pool in the intestine of adult mice. <i>Nature Immunology</i> , <b>2014</b> , 15, 929-937	19.1	659
13	Basophil-derived interleukin-4 controls the function of natural helper cells, a member of ILC2s, in lung inflammation. <i>Immunity</i> , <b>2014</b> , 40, 758-71	32.3	206
12	IKK $\beta$ promotes intestinal tumorigenesis by limiting recruitment of M1-like polarized myeloid cells. <i>Cell Reports</i> , <b>2014</b> , 7, 1914-25	10.6	17
11	Characterization of eosinophilic esophagitis murine models using optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 609-20	3.5	7
10	Dry roasting enhances peanut-induced allergic sensitization across mucosal and cutaneous routes in mice. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 134, 1453-1456	11.5	38
9	Exposure to food allergens through inflamed skin promotes intestinal food allergy through the thymic stromal lymphopoietin-basophil axis. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 133, 1390-9, 1399.e1-6	11.5	189
8	Thymic stromal lymphopoietin-mediated extramedullary hematopoiesis promotes allergic inflammation. <i>Immunity</i> , <b>2013</b> , 39, 1158-70	32.3	54
7	Innate lymphoid cells—a proposal for uniform nomenclature. <i>Nature Reviews Immunology</i> , <b>2013</b> , 13, 145-36.5	36.5	1655

6	New paradigms in type 2 immunity. <i>Science</i> , <b>2012</b> , 337, 431-5	33.3	319
5	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , <b>2011</b> , 12, 1045-1054	19.1	1012
4	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , <b>2011</b> , 12, 1045-54	19.1	681
3	IL25 elicits a multipotent progenitor cell population that promotes T(H)2 cytokine responses. <i>Nature</i> , <b>2010</b> , 464, 1362-6	50.4	454
2	Persistence and function of central and effector memory CD4+ T cells following infection with a gastrointestinal helminth. <i>Journal of Immunology</i> , <b>2006</b> , 177, 511-8	5.3	54
1	Simultaneous single cell measurements of intranuclear proteins and gene expression		9