

# David Artis

## List of Publications by Year in descending order

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78  
papers

21,567  
citations

34016

52  
h-index

74018

75  
g-index

79  
all docs

79  
docs citations

79  
times ranked

25071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal epithelial cells: regulators of barrier function and immune homeostasis. <i>Nature Reviews Immunology</i> , 2014, 14, 141-153.	10.6	2,123
2	Innate lymphoid cells – a proposal for uniform nomenclature. <i>Nature Reviews Immunology</i> , 2013, 13, 145-149.	10.6	2,054
3	Innate Lymphoid Cells: 10 Years On. <i>Cell</i> , 2018, 174, 1054-1066.	13.5	1,467
4	The biology of innate lymphoid cells. <i>Nature</i> , 2015, 517, 293-301.	13.7	1,349
5	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011, 12, 1045-1054.	7.0	1,211
6	Constant replenishment from circulating monocytes maintains the macrophage pool in the intestine of adult mice. <i>Nature Immunology</i> , 2014, 15, 929-937.	7.0	921
7	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011, 12, 1045-54.	7.0	875
8	Group 2 innate lymphoid cells promote beiging of white adipose tissue and limit obesity. <i>Nature</i> , 2015, 519, 242-246.	13.7	788
9	Innate lymphoid cells as regulators of immunity, inflammation and tissue homeostasis. <i>Nature Immunology</i> , 2016, 17, 765-774.	7.0	760
10	Tuft cells, taste-chemosensory cells, orchestrate parasite type 2 immunity in the gut. <i>Science</i> , 2016, 351, 1329-1333.	6.0	707
11	IL25 elicits a multipotent progenitor cell population that promotes TH2 cytokine responses. <i>Nature</i> , 2010, 464, 1362-1366.	13.7	512
12	Regulation of inflammation by microbiota interactions with the host. <i>Nature Immunology</i> , 2017, 18, 851-860.	7.0	467
13	The neuropeptide NMU amplifies ILC2-driven allergic lung inflammation. <i>Nature</i> , 2017, 549, 351-356.	13.7	460
14	Innate lymphoid cells in the initiation, regulation and resolution of inflammation. <i>Nature Medicine</i> , 2015, 21, 698-708.	15.2	434
15	Emerging Functions of Amphiregulin in Orchestrating Immunity, Inflammation, and Tissue Repair. <i>Immunity</i> , 2015, 42, 216-226.	6.6	429
16	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> , 2015, 112, 10762-10767.	3.3	407
17	The neuropeptide neuromedin U stimulates innate lymphoid cells and type 2 inflammation. <i>Nature</i> , 2017, 549, 282-286.	13.7	400
18	Immune Regulation of Metabolic Homeostasis in Health and Disease. <i>Cell</i> , 2015, 161, 146-160.	13.5	380

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19	New Paradigms in Type 2 Immunity. <i>Science</i> , 2012, 337, 431-435.	6.0	370
20	The microbiota regulate neuronal function and fear extinction learning. <i>Nature</i> , 2019, 574, 543-548.	13.7	302
21	Basophil-Derived Interleukin-4 Controls the Function of Natural Helper Cells, a Member of ILC2s, in Lung Inflammation. <i>Immunity</i> , 2014, 40, 758-771.	6.6	263
22	$\beta_2$ -adrenergic receptor-mediated negative regulation of group 2 innate lymphoid cell responses. <i>Science</i> , 2018, 359, 1056-1061.	6.0	262
23	Virus-helminth coinfection reveals a microbiota-independent mechanism of immunomodulation. <i>Science</i> , 2014, 345, 578-582.	6.0	238
24	Basophils Promote Innate Lymphoid Cell Responses in Inflamed Skin. <i>Journal of Immunology</i> , 2014, 193, 3717-3725.	0.4	236
25	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> , 2014, 133, 1390-1399.e6.	1.5	233
26	Oral-resident natural Th17 cells and $\gamma\delta$ T cells control opportunistic <i>Candida albicans</i> infections. <i>Journal of Experimental Medicine</i> , 2014, 211, 2075-2084.	4.2	217
27	Arginase 1 is an innate lymphoid-cell-intrinsic metabolic checkpoint controlling type 2 inflammation. <i>Nature Immunology</i> , 2016, 17, 656-665.	7.0	215
28	The prostaglandin D2 receptor CRTH2 regulates accumulation of group 2 innate lymphoid cells in the inflamed lung. <i>Mucosal Immunology</i> , 2015, 8, 1313-1323.	2.7	193
29	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. <i>Cell</i> , 2018, 173, 554-567.	13.5	192
30	Neuropeptide CGRP Limits Group 2 Innate Lymphoid Cell Responses and Constrains Type 2 Inflammation. <i>Immunity</i> , 2019, 51, 682-695.e6.	6.6	192
31	IL-33-Dependent Group 2 Innate Lymphoid Cells Promote Cutaneous Wound Healing. <i>Journal of Investigative Dermatology</i> , 2016, 136, 487-496.	0.3	181
32	Stromal cells maintain immune cell homeostasis in adipose tissue via production of interleukin-33. <i>Science Immunology</i> , 2019, 4, .	5.6	170
33	Commensal microbiota modulate gene expression in the skin. <i>Microbiome</i> , 2018, 6, 20.	4.9	147
34	Neuro-immune Interactions in the Tissues. <i>Immunity</i> , 2020, 52, 464-474.	6.6	144
35	Spatial and Temporal Mapping of Human Innate Lymphoid Cells Reveals Elements of Tissue Specificity. <i>Immunity</i> , 2019, 50, 505-519.e4.	6.6	139
36	Basophil-derived IL-4 promotes epicutaneous antigen sensitization concomitant with the development of food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 223-234.e5.	1.5	119

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37	Innate lymphoid cells control signaling circuits to regulate tissue-specific immunity. <i>Cell Research</i> , 2020, 30, 475-491.	5.7	113
38	Neuro-immune crosstalk and allergic inflammation. <i>Journal of Clinical Investigation</i> , 2019, 129, 1475-1482.	3.9	106
39	Emerging concepts and future challenges in innate lymphoid cell biology. <i>Journal of Experimental Medicine</i> , 2016, 213, 2229-2248.	4.2	102
40	Exome Sequencing Analysis Reveals Variants in Primary Immunodeficiency Genes in Patients With Very Early Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2015, 149, 1415-1424.	0.6	99
41	Response to Fungal Dysbiosis by Gut-Resident CX3CR1+ Mononuclear Phagocytes Aggravates Allergic Airway Disease. <i>Cell Host and Microbe</i> , 2018, 24, 847-856.e4.	5.1	95
42	Neuronal-immune system cross-talk in homeostasis. <i>Science</i> , 2018, 359, 1465-1466.	6.0	86
43	Epithelial-intrinsic IKK $\beta$ expression regulates group 3 innate lymphoid cell responses and antibacterial immunity. <i>Journal of Experimental Medicine</i> , 2015, 212, 1513-1528.	4.2	79
44	TLR-7 activation enhances IL-22-mediated colonization resistance against vancomycin-resistant enterococcus. <i>Science Translational Medicine</i> , 2016, 8, 327ra25.	5.8	77
45	Goblet Cell Derived RELM- $\beta$ Recruits CD4+ T Cells during Infectious Colitis to Promote Protective Intestinal Epithelial Cell Proliferation. <i>PLoS Pathogens</i> , 2015, 11, e1005108.	2.1	77
46	Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. <i>Immunity</i> , 2020, 52, 606-619.e6.	6.6	76
47	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> , 2018, 23, 3750-3758.	2.9	75
48	Joint single-cell measurements of nuclear proteins and RNA in vivo. <i>Nature Methods</i> , 2021, 18, 1204-1212.	9.0	69
49	Group 2 Innate Lymphoid Cells in Health and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a016337.	2.3	65
50	Thymic Stromal Lymphopoietin-Mediated Extramedullary Hematopoiesis Promotes Allergic Inflammation. <i>Immunity</i> , 2013, 39, 1158-1170.	6.6	64
51	Genetic manipulation of gut microbes enables single-gene interrogation in a complex microbiome. <i>Cell</i> , 2022, 185, 547-562.e22.	13.5	61
52	Epigenomic regulation of host-microbiota interactions. <i>Trends in Immunology</i> , 2014, 35, 518-525.	2.9	60
53	Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. <i>Immunity</i> , 2018, 49, 709-724.e8.	6.6	60
54	The ChAT-acetylcholine pathway promotes group 2 innate lymphoid cell responses and anti-helminth immunity. <i>Science Immunology</i> , 2021, 6, .	5.6	59

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55	Persistence and Function of Central and Effector Memory CD4+ T Cells following Infection with a Gastrointestinal Helminth. <i>Journal of Immunology</i> , 2006, 177, 511-518.	0.4	56
56	Type I Interferon Receptor Deficiency in Dendritic Cells Facilitates Systemic Murine Norovirus Persistence Despite Enhanced Adaptive Immunity. <i>PLoS Pathogens</i> , 2016, 12, e1005684.	2.1	56
57	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. <i>Journal of Experimental Medicine</i> , 2019, 216, 2714-2723.	4.2	52
58	Targeted deletion of the TSLP receptor reveals cellular mechanisms that promote type 2 airway inflammation. <i>Mucosal Immunology</i> , 2020, 13, 626-636.	2.7	52
59	Dry roasting enhances peanut-induced allergic sensitization across mucosal and cutaneous routes in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 1453-1456.	1.5	41
60	Reciprocal regulation of lymphoid tissue development in the large intestine by IL-25 and IL-23. <i>Mucosal Immunology</i> , 2015, 8, 582-595.	2.7	40
61	Maintaining Intestinal Health: The Genetics and Immunology of Very Early Onset Inflammatory Bowel Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 462-476.	2.3	39
62	IL-22 Protects against Tissue Damage during Cutaneous Leishmaniasis. <i>PLoS ONE</i> , 2015, 10, e0134698.	1.1	38
63	Neuronal regulation of innate lymphoid cells. <i>Current Opinion in Immunology</i> , 2019, 56, 94-99.	2.4	32
64	Skin-derived TSLP systemically expands regulatory T cells. <i>Journal of Autoimmunity</i> , 2017, 79, 39-52.	3.0	26
65	Modulation of the fungal mycobiome is regulated by the chitin-binding receptor FIBCD1. <i>Journal of Experimental Medicine</i> , 2019, 216, 2689-2700.	4.2	23
66	IKK $\beta$ Promotes Intestinal Tumorigenesis by Limiting Recruitment of M1-like Polarized Myeloid Cells. <i>Cell Reports</i> , 2014, 7, 1914-1925.	2.9	22
67	Lung Innate Lymphoid Cell Composition Is Altered in Primary Graft Dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 63-72.	2.5	22
68	Genetic manipulation of the ApoF/Stat2 locus supports an important role for type I interferon signaling in atherosclerosis. <i>Atherosclerosis</i> , 2014, 233, 234-241.	0.4	21
69	Neuronal regulation of group 2 innate lymphoid cells and type 2 inflammation. <i>Advances in Immunology</i> , 2019, 143, 1-9.	1.1	11
70	Neuronal regulation of innate lymphoid cell responses. <i>Current Opinion in Immunology</i> , 2022, 76, 102205.	2.4	11
71	Characterization of eosinophilic esophagitis murine models using optical coherence tomography. <i>Biomedical Optics Express</i> , 2014, 5, 609.	1.5	10
72	Novel connections and precision approaches. <i>Nature Reviews Immunology</i> , 2019, 19, 75-76.	10.6	6

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73	Allergen Exposure: When Timing Is Everything. <i>Immunity</i> , 2016, 45, 1188-1190.	6.6	5
74	Current overview of the role of neuropeptides in ILC2s and future directions. <i>Allergology International</i> , 2022, 71, 294-300.	1.4	5
75	Label-Free Imaging of Eosinophilic Esophagitis Mouse Models Using Optical Coherence Tomography. <i>Methods in Molecular Biology</i> , 2016, 1422, 127-136.	0.4	2
76	Joint Disease Activity in Inflammatory Bowel Disease-associated Peripheral Spondyloarthritis Stratifies Therapeutic Response. , 2022, 1, 137-140.		1
77	Innate Lymphoid Cells for the Control of Mucosal Immunity. , 2020, , 229-245.		0
78	Distinct TSLP-Immune Cell Cascades Provoke Acute Versus Chronic Type 2 Airway Inflammation. , 2020, , .		0