

# Andrew S Macdonald

## List of Publications by Year in descending order

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99  
papers

8,105  
citations

57758

44  
h-index

51608

86  
g-index

103  
all docs

103  
docs citations

103  
times ranked

10835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defective Interferon-Gamma Production Is Common in Chronic Pulmonary Aspergillosis. <i>Journal of Infectious Diseases</i> , 2022, 225, 1822-1831.	4.0	9
2	The impact of the lung environment on macrophage development, activation and function: diversity in the face of adversity. <i>Mucosal Immunology</i> , 2022, 15, 223-234.	6.0	81
3	A population of naive-like CD4 <sup>+</sup> T cells stably polarized to the T <sub>H</sub> 1 lineage. <i>European Journal of Immunology</i> , 2022, 52, 566-581.	2.9	2
4	Mapping the Influence of the Gut Microbiota on Small Molecules across the Microbiome Gut Brain Axis. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 649-659.	2.8	6
5	CD11c identifies microbiota and EGR2-dependent MHCII <sup>+</sup> serous cavity macrophages with sexually dimorphic fate in mice. <i>European Journal of Immunology</i> , 2022, 52, 1243-1257.	2.9	8
6	The neutrophil antimicrobial peptide cathelicidin promotes Th17 differentiation. <i>Nature Communications</i> , 2021, 12, 1285.	12.8	79
7	Schistosomes in the Lung: Immunobiology and Opportunity. <i>Frontiers in Immunology</i> , 2021, 12, 635513.	4.8	15
8	IL-13 deficiency exacerbates lung damage and impairs epithelial-derived type 2 molecules during nematode infection. <i>Life Science Alliance</i> , 2021, 4, e202001000.	2.8	14
9	Plasmacytoid Dendritic Cells Facilitate Th Cell Cytokine Responses throughout <i>Schistosoma mansoni</i> Infection. <i>ImmunoHorizons</i> , 2021, 5, 721-732.	1.8	7
10	Subclinical Inflammation of the Ocular Surface in Soft Contact Lens Wear. <i>Cornea</i> , 2020, 39, 146-154.	1.7	24
11	Th1 responses in vivo require cell-specific provision of OX40L dictated by environmental cues. <i>Nature Communications</i> , 2020, 11, 3421.	12.8	13
12	Defined Intestinal Regions Are Drained by Specific Lymph Nodes That Mount Distinct Th1 and Th2 Responses Against <i>Schistosoma mansoni</i> Eggs. <i>Frontiers in Immunology</i> , 2020, 11, 592325.	4.8	13
13	Mitigating Coronavirus Induced Dysfunctional Immunity for At-Risk Populations in COVID-19: Trained Immunity, BCG and "New Old Friends". <i>Frontiers in Immunology</i> , 2020, 11, 2059.	4.8	18
14	Baseline Gut Microbiota Composition Is Associated With <i>Schistosoma mansoni</i> Infection Burden in Rodent Models. <i>Frontiers in Immunology</i> , 2020, 11, 593838.	4.8	21
15	Dermal IRF4 <sup>+</sup> dendritic cells and monocytes license CD4 <sup>+</sup> T helper cells to distinct cytokine profiles. <i>Nature Communications</i> , 2020, 11, 5637.	12.8	18
16	The Methyl-CpG-Binding Protein Mbd2 Regulates Susceptibility to Experimental Colitis via Control of CD11c <sup>+</sup> Cells and Colonic Epithelium. <i>Frontiers in Immunology</i> , 2020, 11, 183.	4.8	11
17	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. <i>Science Advances</i> , 2020, 6, eaax6328.	10.3	45
18	Combinatorial Tim $\beta$ 3 and PD $\alpha$ 1 activity sustains antigen-specific Th1 cell numbers during blood-stage malaria. <i>Parasite Immunology</i> , 2020, 42, e12723.	1.5	8

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19	The major secreted protein of the whipworm parasite tethers to matrix and inhibits interleukin-13 function. <i>Nature Communications</i> , 2019, 10, 2344.	12.8	48
20	Type I interferons provide additive signals for murine regulatory B cell induction by <i>Schistosoma mansoni</i> eggs. <i>European Journal of Immunology</i> , 2019, 49, 1226-1234.	2.9	14
21	The lung environment controls alveolar macrophage metabolism and responsiveness in type 2 inflammation. <i>Nature Immunology</i> , 2019, 20, 571-580.	14.5	140
22	A nonmyeloablative chimeric mouse model accurately defines microglia and macrophage contribution in glioma. <i>Neuropathology and Applied Neurobiology</i> , 2019, 45, 119-140.	3.2	18
23	X-ray micro-computed tomography (µCT): an emerging opportunity in parasite imaging. <i>Parasitology</i> , 2018, 145, 848-854.	1.5	34
24	<i>Mbd2</i> enables tumorigenesis within the intestine while preventing tumour-promoting inflammation. <i>Journal of Pathology</i> , 2018, 245, 270-282.	4.5	24
25	The circadian regulator BMAL1 programmes responses to parasitic worm infection via a dendritic cell clock. <i>Scientific Reports</i> , 2018, 8, 3782.	3.3	62
26	Intestinal mucin activates human dendritic cells and IL-8 production in a glycan-specific manner. <i>Journal of Biological Chemistry</i> , 2018, 293, 8543-8553.	3.4	23
27	Circadian clock component REV-ERB $\alpha$ controls homeostatic regulation of pulmonary inflammation. <i>Journal of Clinical Investigation</i> , 2018, 128, 2281-2296.	8.2	147
28	Schistosome Egg Migration: Mechanisms, Pathogenesis and Host Immune Responses. <i>Frontiers in Immunology</i> , 2018, 9, 3042.	4.8	134
29	Dynamics of Colon Monocyte and Macrophage Activation During Colitis. <i>Frontiers in Immunology</i> , 2018, 9, 2764.	4.8	111
30	Agnoprotein Is an Essential Egress Factor during BK Polyomavirus Infection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 902.	4.1	27
31	Tyrosinase-Mediated Bioconjugation. A Versatile Approach to Chimeric Macromolecules. <i>Bioconjugate Chemistry</i> , 2018, 29, 2550-2560.	3.6	24
32	Identifying tumour associated macrophages and microglia in an experimental glioblastoma model. <i>Neuro-Oncology</i> , 2018, 20, i23-i23.	1.2	0
33	Human NK Cells Lyse Th2-Polarizing Dendritic Cells via NKp30 and DNAM-1. <i>Journal of Immunology</i> , 2018, 201, 2028-2041.	0.8	20
34	<i>Schistosoma mansoni</i> infection is associated with quantitative and qualitative modifications of the mammalian intestinal microbiota. <i>Scientific Reports</i> , 2018, 8, 12072.	3.3	112
35	Enteric helminth-induced type I interferon signaling protects against pulmonary virus infection through interaction with the microbiota. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1068-1078.e6.	2.9	93
36	Diminished airway macrophage expression of the Axl receptor tyrosine kinase is associated with defective efferocytosis in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1144-1146.e4.	2.9	42

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37	Different populations of CD11b+ dendritic cells drive Th2 responses in the small intestine and colon. <i>Nature Communications</i> , 2017, 8, 15820.	12.8	94
38	Type I interferon is required for T helper (Th) 2 induction by dendritic cells. <i>EMBO Journal</i> , 2017, 36, 2404-2418.	7.8	80
39	<scp>SOX</scp> 9 predicts progression toward cirrhosis in patients while its loss protects against liver fibrosis. <i>EMBO Molecular Medicine</i> , 2017, 9, 1696-1710.	6.9	38
40	Tumor progression locus 2 reduces severe allergic airway inflammation by inhibiting Ccl24 production in dendritic cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 655-666.e7.	2.9	11
41	Particles from the <i>Echinococcus granulosus</i> laminated layer inhibit IL-4 and growth factor-driven Akt phosphorylation and proliferative responses in macrophages. <i>Scientific Reports</i> , 2016, 6, 39204.	3.3	21
42	IL-33 delivery induces serous cavity macrophage proliferation independent of interleukin-4 receptor alpha. <i>European Journal of Immunology</i> , 2016, 46, 2311-2321.	2.9	31
43	Dendritic cells in lung immunopathology. <i>Seminars in Immunopathology</i> , 2016, 38, 449-460.	6.1	60
44	Integrin $\beta$ 1 controls G9a activity that regulates epigenetic changes and nuclear properties required for lymphocyte migration. <i>Nucleic Acids Research</i> , 2016, 44, 3031-3044.	14.5	39
45	IL-4-producing ILC2s are required for the differentiation of TH2 cells following <i>Heligmosomoides polygyrus</i> infection. <i>Mucosal Immunology</i> , 2016, 9, 1407-1417.	6.0	196
46	A central role for hepatic conventional dendritic cells in supporting Th2 responses during helminth infection. <i>Immunology and Cell Biology</i> , 2016, 94, 400-410.	2.3	22
47	1,25-Dihydroxyvitamin D3-Conditioned CD11c+ Dendritic Cells are Effective Initiators of CNS Autoimmune Disease. <i>Frontiers in Immunology</i> , 2015, 6, 575.	4.8	22
48	Modulation of dendritic cell alternative activation and function by the vitamin A metabolite retinoic acid. <i>International Immunology</i> , 2015, 27, 589-596.	4.0	8
49	The adult murine heart has a sparse, phagocytically active macrophage population that expands through monocyte recruitment and adopts an $M2^{\text{TM}}$ phenotype in response to Th2 immunologic challenge. <i>Immunobiology</i> , 2015, 220, 924-933.	1.9	43
50	<i>Schistosoma mansoni</i> Larvae Do Not Expand or Activate Foxp3 <sup>+</sup> Regulatory T Cells during Their Migratory Phase. <i>Infection and Immunity</i> , 2015, 83, 3881-3889.	2.2	9
51	The Axl receptor tyrosine kinase is a discriminator of macrophage function in the inflamed lung. <i>Mucosal Immunology</i> , 2015, 8, 1021-1030.	6.0	96
52	A dominant role for the methyl-CpG-binding protein Mbd2 in controlling Th2 induction by dendritic cells. <i>Nature Communications</i> , 2015, 6, 6920.	12.8	87
53	MyD88 Signaling Inhibits Protective Immunity to the Gastrointestinal Helminth Parasite <i>Heligmosomoides polygyrus</i> . <i>Journal of Immunology</i> , 2014, 193, 2984-2993.	0.8	34
54	Optimal Effector Functions in Human Natural Killer Cells Rely upon Autocrine Bone Morphogenetic Protein Signaling. <i>Cancer Research</i> , 2014, 74, 5019-5031.	0.9	22

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55	Parasite-Derived MicroRNAs in Host Serum As Novel Biomarkers of Helminth Infection. PLoS Neglected Tropical Diseases, 2014, 8, e2701.	3.0	143
56	RNA:DNA hybrids are a novel molecular pattern sensed by TLR9. EMBO Journal, 2014, 33, 542-558.	7.8	133
57	A unique DNA methylation signature defines a population of IFN $\gamma$ /IL $\epsilon$ 4 double $\epsilon$ positive T cells during helminth infection. European Journal of Immunology, 2014, 44, 1835-1841.	2.9	26
58	Unconventional Maturation of Dendritic Cells Induced by Particles from the Laminated Layer of Larval Echinococcus granulosus. Infection and Immunity, 2014, 82, 3164-3176.	2.2	40
59	Alternative activation of macrophages by filarial nematodes is MyD88-independent. Immunobiology, 2013, 218, 570-578.	1.9	7
60	ICOS controls Foxp3 + regulatory T cell expansion, maintenance and IL $\epsilon$ 10 production during helminth infection. European Journal of Immunology, 2013, 43, 705-715.	2.9	117
61	Type 2 Innate Immunity in Helminth Infection Is Induced Redundantly and Acts Autonomously following CD11c <sup>+</sup> Cell Depletion. Infection and Immunity, 2012, 80, 3481-3489.	2.2	54
62	Concurrent Bacterial Stimulation Alters the Function of Helminth-Activated Dendritic Cells, Resulting in IL-17 Induction. Journal of Immunology, 2012, 188, 2350-2358.	0.8	19
63	Alternatively activated dendritic cells regulate CD4 <sup>+</sup> T-cell polarization in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9977-9982.	7.1	105
64	Plasma membrane proteomes of differentially matured dendritic cells identified by LC $\epsilon$ MS/MS combined with iTRAQ labelling. Journal of Proteomics, 2012, 75, 938-948.	2.4	19
65	TLR-4 ligation of dendritic cells is sufficient to drive pathogenic T cell function in experimental autoimmune encephalomyelitis. Journal of Neuroinflammation, 2012, 9, 248.	7.2	25
66	Chronic Infection Drives Expression of the Inhibitory Receptor CD200R, and Its Ligand CD200, by Mouse and Human CD4 T Cells. PLoS ONE, 2012, 7, e35466.	2.5	44
67	Local Macrophage Proliferation, Rather than Recruitment from the Blood, Is a Signature of T <sub>H</sub> 2 Inflammation. Science, 2011, 332, 1284-1288.	12.6	1,186
68	Technical Advance: Soluble OX40 molecule mimics regulatory T cell modulatory activity on Fc $\epsilon$ RI-dependent mast cell degranulation. Journal of Leukocyte Biology, 2011, 90, 831-838.	3.3	12
69	Chronic Helminth Infection Promotes Immune Regulation In Vivo through Dominance of CD11c <sup>+</sup> CD103 <sup>+</sup> Dendritic Cells. Journal of Immunology, 2011, 186, 7098-7109.	0.8	76
70	Th2 Responses to Helminth Parasites Can Be Therapeutically Enhanced by, but Are Not Dependent upon, GITR $\epsilon$ GITR Ligand Costimulation In Vivo. Journal of Immunology, 2011, 187, 1411-1420.	0.8	20
71	CD11c depletion severely disrupts Th2 induction and development in vivo. Journal of Experimental Medicine, 2010, 207, 2089-2096.	8.5	253
72	A Pivotal Role for CD40-Mediated IL-6 Production by Dendritic Cells during IL-17 Induction In Vivo. Journal of Immunology, 2009, 182, 2808-2815.	0.8	61

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73	Dendritic cell expression of the Notch ligand <i>jagged2</i> is not essential for Th2 response induction <i>in vivo</i> . <i>European Journal of Immunology</i> , 2008, 38, 1043-1049.	2.9	50
74	Virulent <i>Salmonella enterica</i> infections can be exacerbated by concomitant infection of the host with a live attenuated <i>S. enterica</i> vaccine via Toll-like receptor 4-dependent interleukin-10 production with the involvement of both TRIF and MyD88. <i>Immunology</i> , 2008, 124, 469-479.	4.4	15
75	Full Development of Th2 Immunity Requires Both Innate and Adaptive Sources of CD154. <i>Journal of Immunology</i> , 2008, 180, 8083-8092.	0.8	21
76	Alarming dendritic cells for Th2 induction. <i>Journal of Experimental Medicine</i> , 2008, 205, 13-17.	8.5	156
77	Dendritic Cell Expression of OX40 Ligand Acts as a Costimulatory, Not Polarizing, Signal for Optimal Th2 Priming and Memory Induction <i>In Vivo</i> . <i>Journal of Immunology</i> , 2007, 179, 3515-3523.	0.8	116
78	The role of ICOS in the development of CD4 T cell help and the reactivation of memory T cells. <i>European Journal of Immunology</i> , 2007, 37, 1796-1808.	2.9	50
79	Dendritic cell activation and function in response to <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2006, 36, 711-721.	3.1	49
80	Distinct sources and targets of IL-10 during dendritic cell-driven Th1 and Th2 responses <i>in vivo</i> . <i>European Journal of Immunology</i> , 2006, 36, 2367-2375.	2.9	24
81	Dendritic Cell-Intrinsic Expression of NF- $\kappa$ B1 Is Required to Promote Optimal Th2 Cell Differentiation. <i>Journal of Immunology</i> , 2005, 174, 7154-7159.	0.8	53
82	Cutting Edge: Dendritic Cells Copulsed with Microbial and Helminth Antigens Undergo Modified Maturation, Segregate the Antigens to Distinct Intracellular Compartments, and Concurrently Induce Microbe-Specific Th1 and Helminth-Specific Th2 Responses. <i>Journal of Immunology</i> , 2004, 172, 2016-2020.	0.8	155
83	Cytokine-dependent inflammatory cell recruitment patterns in the peritoneal cavity of mice exposed to the parasitic nematode <i>Brugia malayi</i> . <i>Medical Microbiology and Immunology</i> , 2003, 192, 33-40.	4.8	23
84	Lack of C3 Affects Th2 Response Development and the Sequelae of Chemotherapy in Schistosomiasis. <i>Journal of Immunology</i> , 2003, 170, 470-476.	0.8	37
85	CD154 Plays a Central Role in Regulating Dendritic Cell Activation During Infections That Induce Th1 or Th2 Responses. <i>Journal of Immunology</i> , 2003, 170, 727-734.	0.8	77
86	Role of CD4 T Cell Help and Costimulation in CD8 T Cell Responses During <i>Listeria monocytogenes</i> Infection. <i>Journal of Immunology</i> , 2003, 170, 2053-2063.	0.8	146
87	Cutting Edge: Th2 Response Induction by Dendritic Cells: A Role for CD40. <i>Journal of Immunology</i> , 2002, 168, 537-540.	0.8	196
88	Impaired Th2 Development and Increased Mortality During <i>Schistosoma mansoni</i> Infection in the Absence of CD40/CD154 Interaction. <i>Journal of Immunology</i> , 2002, 168, 4643-4649.	0.8	81
89	Cutting Edge: Polarized Th Cell Response Induction by Transferred Antigen-Pulsed Dendritic Cells Is Dependent on IL-4 or IL-12 Production by Recipient Cells. <i>Journal of Immunology</i> , 2002, 168, 3127-3130.	0.8	76
90	Immunology of Parasitic Helminth Infections. <i>Infection and Immunity</i> , 2002, 70, 427-433.	2.2	162

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91	The immunobiology of schistosomiasis. <i>Nature Reviews Immunology</i> , 2002, 2, 499-511.	22.7	1,033
92	CD8 $\alpha^+$ Dendritic Cell Activation Status Plays an Integral Role in Influencing Th2 Response Development. <i>Journal of Immunology</i> , 2001, 167, 1982-1988.	0.8	269
93	A <i>Brugia malayi</i> Homolog of Macrophage Migration Inhibitory Factor Reveals an Important Link Between Macrophages and Eosinophil Recruitment During Nematode Infection. <i>Journal of Immunology</i> , 2001, 167, 5348-5354.	0.8	121
94	Antigen-presenting cells recruited by <i>Brugia malayi</i> induce Th2 differentiation of naïve CD4 $^+$ T cells. <i>European Journal of Immunology</i> , 2000, 30, 1127-1135.	2.9	93
95	Alternatively activated macrophages induced by nematode infection inhibit proliferation via cell-to-cell contact. <i>European Journal of Immunology</i> , 2000, 30, 2669-2678.	2.9	196
96	Role of IL-6 in Directing the Initial Immune Response to Schistosome Eggs. <i>Journal of Immunology</i> , 2000, 164, 2419-2426.	0.8	61
97	Suppressive Antigen-Presenting Cells in Helminth Infection. <i>Pathobiology</i> , 1999, 67, 265-268.	3.8	10
98	Profound suppression of cellular proliferation mediated by the secretions of nematodes. <i>Parasite Immunology</i> , 1998, 20, 241-247.	1.5	103
99	Dynamics of host immune response development during <i>Schistosoma mansoni</i> infection. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8