

# 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	Local Macrophage Proliferation, Rather than Recruitment from the Blood, Is a Signature of T <sub>H</sub> 2 Inflammation. <i>Science</i> , 2011, 332, 1284-1288.	12.6	1,186
2	The immunobiology of schistosomiasis. <i>Nature Reviews Immunology</i> , 2002, 2, 499-511.	22.7	1,033
3	CD8 <sup>+</sup> 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
4	CD11c depletion severely disrupts Th2 induction and development in vivo. <i>Journal of Experimental Medicine</i> , 2010, 207, 2089-2096.	8.5	253
5	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
6	Cutting Edge: Th2 Response Induction by Dendritic Cells: A Role for CD40. <i>Journal of Immunology</i> , 2002, 168, 537-540.	0.8	196
7	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
8	Immunology of Parasitic Helminth Infections. <i>Infection and Immunity</i> , 2002, 70, 427-433.	2.2	162
9	Alarming dendritic cells for Th2 induction. <i>Journal of Experimental Medicine</i> , 2008, 205, 13-17.	8.5	156
10	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
11	Circadian clock component REV-ERB $\beta$ controls homeostatic regulation of pulmonary inflammation. <i>Journal of Clinical Investigation</i> , 2018, 128, 2281-2296.	8.2	147
12	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
13	Parasite-Derived MicroRNAs in Host Serum As Novel Biomarkers of Helminth Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2701.	3.0	143
14	The lung environment controls alveolar macrophage metabolism and responsiveness in type 2 inflammation. <i>Nature Immunology</i> , 2019, 20, 571-580.	14.5	140
15	Schistosome Egg Migration: Mechanisms, Pathogenesis and Host Immune Responses. <i>Frontiers in Immunology</i> , 2018, 9, 3042.	4.8	134
16	RNA:DNA hybrids are a novel molecular pattern sensed by TLR9. <i>EMBO Journal</i> , 2014, 33, 542-558.	7.8	133
17	<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
18	ICOS controls Foxp3 + regulatory T cell expansion, maintenance and IL-10 production during helminth infection. <i>European Journal of Immunology</i> , 2013, 43, 705-715.	2.9	117

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19	Dendritic Cell Expression of OX40 Ligand Acts as a Costimulatory, Not Polarizing, Signal for Optimal Th2 Priming and Memory Induction In Vivo. <i>Journal of Immunology</i> , 2007, 179, 3515-3523.	0.8	116
20	<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
21	Dynamics of Colon Monocyte and Macrophage Activation During Colitis. <i>Frontiers in Immunology</i> , 2018, 9, 2764.	4.8	111
22	Alternatively activated dendritic cells regulate CD4 <sup>+</sup> T-cell polarization in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9977-9982.	7.1	105
23	Profound suppression of cellular proliferation mediated by the secretions of nematodes. <i>Parasite Immunology</i> , 1998, 20, 241-247.	1.5	103
24	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
25	Different populations of CD11b <sup>+</sup> dendritic cells drive Th2 responses in the small intestine and colon. <i>Nature Communications</i> , 2017, 8, 15820.	12.8	94
26	Antigen-presenting cells recruited by <i>Brugia malayi</i> induce Th2 differentiation of naïve CD4 <sup>+</sup> T cells. <i>European Journal of Immunology</i> , 2000, 30, 1127-1135.	2.9	93
27	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
28	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
29	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
30	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
31	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
32	The neutrophil antimicrobial peptide cathelicidin promotes Th17 differentiation. <i>Nature Communications</i> , 2021, 12, 1285.	12.8	79
33	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
34	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
35	Chronic Helminth Infection Promotes Immune Regulation In Vivo through Dominance of CD11c <sup>+</sup> CD103 <sup>+</sup> Dendritic Cells. <i>Journal of Immunology</i> , 2011, 186, 7098-7109.	0.8	76
36	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

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37	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
38	A Pivotal Role for CD40-Mediated IL-6 Production by Dendritic Cells during IL-17 Induction In Vivo. <i>Journal of Immunology</i> , 2009, 182, 2808-2815.	0.8	61
39	Dendritic cells in lung immunopathology. <i>Seminars in Immunopathology</i> , 2016, 38, 449-460.	6.1	60
40	Type 2 Innate Immunity in Helminth Infection Is Induced Redundantly and Acts Autonomously following CD11c <sup>+</sup> Cell Depletion. <i>Infection and Immunity</i> , 2012, 80, 3481-3489.	2.2	54
41	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
42	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
43	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
44	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
45	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
46	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. <i>Science Advances</i> , 2020, 6, eaax6328.	10.3	45
47	Chronic Infection Drives Expression of the Inhibitory Receptor CD200R, and Its Ligand CD200, by Mouse and Human CD4 T Cells. <i>PLoS ONE</i> , 2012, 7, e35466.	2.5	44
48	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
49	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
50	Unconventional Maturation of Dendritic Cells Induced by Particles from the Laminated Layer of Larval <i>Echinococcus granulosus</i> . <i>Infection and Immunity</i> , 2014, 82, 3164-3176.	2.2	40
51	Integrin $\beta$ 1 controls C9a activity that regulates epigenetic changes and nuclear properties required for lymphocyte migration. <i>Nucleic Acids Research</i> , 2016, 44, 3031-3044.	14.5	39
52	<i>SOX9</i> 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
53	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
54	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

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55	X-ray micro-computed tomography (µCT): an emerging opportunity in parasite imaging. <i>Parasitology</i> , 2018, 145, 848-854.	1.5	34
56	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
57	Agnoprotein Is an Essential Egress Factor during BK Polyomavirus Infection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 902.	4.1	27
58	A unique DNA methylation signature defines a population of IFN-β/IL-4 double-positive T cells during helminth infection. <i>European Journal of Immunology</i> , 2014, 44, 1835-1841.	2.9	26
59	TLR-4 ligation of dendritic cells is sufficient to drive pathogenic T cell function in experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2012, 9, 248.	7.2	25
60	Distinct sources and targets of IL-10 during dendritic cell-driven Th1 and Th2 responses in vivo. <i>European Journal of Immunology</i> , 2006, 36, 2367-2375.	2.9	24
61	Mbd2 enables tumorigenesis within the intestine while preventing tumour-promoting inflammation. <i>Journal of Pathology</i> , 2018, 245, 270-282.	4.5	24
62	Tyrosinase-Mediated Bioconjugation. A Versatile Approach to Chimeric Macromolecules. <i>Bioconjugate Chemistry</i> , 2018, 29, 2550-2560.	3.6	24
63	Subclinical Inflammation of the Ocular Surface in Soft Contact Lens Wear. <i>Cornea</i> , 2020, 39, 146-154.	1.7	24
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Th2 Responses to Helminth Parasites Can Be Therapeutically Enhanced by, but Are Not Dependent upon, GITR Ligand Costimulation In Vivo. <i>Journal of Immunology</i> , 2011, 187, 1411-1420.	0.8	20

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73	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
74	Concurrent Bacterial Stimulation Alters the Function of Helminth-Activated Dendritic Cells, Resulting in IL-17 Induction. <i>Journal of Immunology</i> , 2012, 188, 2350-2358.	0.8	19
75	Plasma membrane proteomes of differentially matured dendritic cells identified by LC-MS/MS combined with iTRAQ labelling. <i>Journal of Proteomics</i> , 2012, 75, 938-948.	2.4	19
76	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
77	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
78	Dermal IRF4+ dendritic cells and monocytes license CD4+ T helper cells to distinct cytokine profiles. <i>Nature Communications</i> , 2020, 11, 5637.	12.8	18
79	Virulent <i>Salmonella enterica</i> infections can be exacerbated by concomitant infection of the host with a live attenuated <i>S. fenterica</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
80	Schistosomes in the Lung: Immunobiology and Opportunity. <i>Frontiers in Immunology</i> , 2021, 12, 635513.	4.8	15
81	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
82	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
83	Th1 responses in vivo require cell-specific provision of OX40L dictated by environmental cues. <i>Nature Communications</i> , 2020, 11, 3421.	12.8	13
84	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
85	Technical Advance: Soluble OX40 molecule mimics regulatory T cell modulatory activity on Fc $\epsilon$ RI-dependent mast cell degranulation. <i>Journal of Leukocyte Biology</i> , 2011, 90, 831-838.	3.3	12
86	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
87	The Methyl-CpG-Binding Protein Mbd2 Regulates Susceptibility to Experimental Colitis via Control of CD11c+ Cells and Colonic Epithelium. <i>Frontiers in Immunology</i> , 2020, 11, 183.	4.8	11
88	Suppressive Antigen-Presenting Cells in Helminth Infection. <i>Pathobiology</i> , 1999, 67, 265-268.	3.8	10
89	<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
90	Defective Interferon-Gamma Production Is Common in Chronic Pulmonary Aspergillosis. <i>Journal of Infectious Diseases</i> , 2022, 225, 1822-1831.	4.0	9

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91	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
92	Combinatorial Tim $\beta$ and PD $\beta$ activity sustains antigen-specific Th1 cell numbers during blood-stage malaria. <i>Parasite Immunology</i> , 2020, 42, e12723.	1.5	8
93	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
94	Dynamics of host immune response development during <i>Schistosoma mansoni</i> infection. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8
95	Alternative activation of macrophages by filarial nematodes is MyD88-independent. <i>Immunobiology</i> , 2013, 218, 570-578.	1.9	7
96	Plasmacytoid Dendritic Cells Facilitate Th Cell Cytokine Responses throughout <i>Schistosoma mansoni</i> Infection. <i>ImmunoHorizons</i> , 2021, 5, 721-732.	1.8	7
97	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
98	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
99	Identifying tumour associated macrophages and microglia in an experimental glioblastoma model. <i>Neuro-Oncology</i> , 2018, 20, i23-i23.	1.2	0