

# Martin Guilliams

## List of Publications by Citations

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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.

81  
papers

14,527  
citations

49  
h-index

88  
g-index

88  
ext. papers

18,677  
ext. citations

18.4  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
81	Fate mapping reveals origins and dynamics of monocytes and tissue macrophages under homeostasis. <i>Immunity</i> , <b>2013</b> , 38, 79-91	32.3	1804
80	Dendritic cells, monocytes and macrophages: a unified nomenclature based on ontogeny. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 571-8	36.5	1106
79	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cell-suppressive activity. <i>Blood</i> , <b>2008</b> , 111, 4233-44	2.2	944
78	Tissue-Resident Macrophage Ontogeny and Homeostasis. <i>Immunity</i> , <b>2016</b> , 44, 439-449	32.3	849
77	Alveolar macrophages develop from fetal monocytes that differentiate into long-lived cells in the first week of life via GM-CSF. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 1977-92	16.6	698
76	Conventional and monocyte-derived CD11b(+) dendritic cells initiate and maintain T helper 2 cell-mediated immunity to house dust mite allergen. <i>Immunity</i> , <b>2013</b> , 38, 322-35	32.3	614
75	Resident and pro-inflammatory macrophages in the colon represent alternative context-dependent fates of the same Ly6Chi monocyte precursors. <i>Mucosal Immunology</i> , <b>2013</b> , 6, 498-510	9.2	550
74	Origins and functional specialization of macrophages and of conventional and monocyte-derived dendritic cells in mouse skin. <i>Immunity</i> , <b>2013</b> , 39, 925-38	32.3	506
73	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. <i>Immunity</i> , <b>2016</b> , 45, 669-684	32.3	474
72	The function of Fcγ receptors in dendritic cells and macrophages. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 94-108	36.5	415
71	Bone marrow-derived monocytes give rise to self-renewing and fully differentiated Kupffer cells. <i>Nature Communications</i> , <b>2016</b> , 7, 10321	17.4	404
70	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the Th1-inducing role of mesenteric lymph node macrophages during colitis. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 3150-66	6.1	352
69	Yolk Sac Macrophages, Fetal Liver, and Adult Monocytes Can Colonize an Empty Niche and Develop into Functional Tissue-Resident Macrophages. <i>Immunity</i> , <b>2016</b> , 44, 755-68	32.3	334
68	CD207+ CD103+ dermal dendritic cells cross-present keratinocyte-derived antigens irrespective of the presence of Langerhans cells. <i>Journal of Experimental Medicine</i> , <b>2010</b> , 207, 189-206	16.6	323
67	Developmental and Functional Heterogeneity of Monocytes. <i>Immunity</i> , <b>2018</b> , 49, 595-613	32.3	306
66	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1021-1035	25.5	285
65	Skin-draining lymph nodes contain dermis-derived CD103(-) dendritic cells that constitutively produce retinoic acid and induce Foxp3(+) regulatory T cells. <i>Blood</i> , <b>2010</b> , 115, 1958-68	2.2	257

64	Does niche competition determine the origin of tissue-resident macrophages?. <i>Nature Reviews Immunology</i> , <b>2017</b> , 17, 451-460	36.5	226
63	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. <i>Cell</i> , <b>2018</b> , 175, 400-415.e13	56.2	201
62	CD64 expression distinguishes monocyte-derived and conventional dendritic cells and reveals their distinct role during intramuscular immunization. <i>Journal of Immunology</i> , <b>2012</b> , 188, 1751-60	5.3	195
61	Division of labor between lung dendritic cells and macrophages in the defense against pulmonary infections. <i>Mucosal Immunology</i> , <b>2013</b> , 6, 464-73	9.2	187
60	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. <i>Immunity</i> , <b>2019</b> , 51, 638-654.e9	32.3	184
59	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. <i>Nature Communications</i> , <b>2016</b> , 7, ncomms11852	17.4	176
58	IRF8 Transcription Factor Controls Survival and Function of Terminally Differentiated Conventional and Plasmacytoid Dendritic Cells, Respectively. <i>Immunity</i> , <b>2016</b> , 45, 626-640	32.3	157
57	Cutting edge: expression of XCR1 defines mouse lymphoid-tissue resident and migratory dendritic cells of the CD8 $\alpha^+$ type. <i>Journal of Immunology</i> , <b>2011</b> , 187, 4411-5	5.3	149
56	The tumour microenvironment harbours ontogenically distinct dendritic cell populations with opposing effects on tumour immunity. <i>Nature Communications</i> , <b>2016</b> , 7, 13720	17.4	145
55	Comparative genomics as a tool to reveal functional equivalences between human and mouse dendritic cell subsets. <i>Immunological Reviews</i> , <b>2010</b> , 234, 177-98	11.3	144
54	Establishment and Maintenance of the Macrophage Niche. <i>Immunity</i> , <b>2020</b> , 52, 434-451	32.3	130
53	Inflammatory Type 2 cDCs Acquire Features of cDC1s and Macrophages to Orchestrate Immunity to Respiratory Virus Infection. <i>Immunity</i> , <b>2020</b> , 52, 1039-1056.e9	32.3	120
52	CCR2(+)CD103(-) intestinal dendritic cells develop from DC-committed precursors and induce interleukin-17 production by T cells. <i>Mucosal Immunology</i> , <b>2015</b> , 8, 327-39	9.2	118
51	Tip-DC development during parasitic infection is regulated by IL-10 and requires CCL2/CCR2, IFN-gamma and MyD88 signaling. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001045	7.6	115
50	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. <i>Immunity</i> , <b>2018</b> , 49, 312-325.e5	32.3	110
49	From skin dendritic cells to a simplified classification of human and mouse dendritic cell subsets. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 2089-94	6.1	107
48	IL-10 dampens TNF/inducible nitric oxide synthase-producing dendritic cell-mediated pathogenicity during parasitic infection. <i>Journal of Immunology</i> , <b>2009</b> , 182, 1107-18	5.3	100
47	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. <i>Nature Communications</i> , <b>2018</b> , 9, 2036	17.4	92

46	A gammaherpesvirus provides protection against allergic asthma by inducing the replacement of resident alveolar macrophages with regulatory monocytes. <i>Nature Immunology</i> , <b>2017</b> , 18, 1310-1320	19.1	90
45	Alternatively activated myeloid cells limit pathogenicity associated with African trypanosomiasis through the IL-10 inducible gene selenoprotein P. <i>Journal of Immunology</i> , <b>2008</b> , 180, 6168-75	5.3	84
44	The transcription factor Zeb2 regulates development of conventional and plasmacytoid DCs by repressing Id2. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 897-911	16.6	84
43	Disentangling the complexity of the skin dendritic cell network. <i>Immunology and Cell Biology</i> , <b>2010</b> , 88, 366-75	5	83
42	Development of conventional dendritic cells: from common bone marrow progenitors to multiple subsets in peripheral tissues. <i>Mucosal Immunology</i> , <b>2017</b> , 10, 831-844	9.2	82
41	A Hitchhiker's Guide to Myeloid Cell Subsets: Practical Implementation of a Novel Mononuclear Phagocyte Classification System. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 406	8.4	80
40	Niche signals and transcription factors involved in tissue-resident macrophage development. <i>Cellular Immunology</i> , <b>2018</b> , 330, 43-53	4.4	76
39	African trypanosomiasis: naturally occurring regulatory T cells favor trypanotolerance by limiting pathology associated with sustained type 1 inflammation. <i>Journal of Immunology</i> , <b>2007</b> , 179, 2748-57	5.3	71
38	Mononuclear phagocytes of the intestine, the skin, and the lung. <i>Immunological Reviews</i> , <b>2014</b> , 262, 9-24	11.3	69
37	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 676-689	25.5	66
36	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. <i>Cell Reports</i> , <b>2017</b> , 18, 3005-3017	10.6	64
35	A glycosylphosphatidylinositol-based treatment alleviates trypanosomiasis-associated immunopathology. <i>Journal of Immunology</i> , <b>2007</b> , 179, 4003-14	5.3	63
34	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 595-610	25.5	59
33	Non-alcoholic steatohepatitis induces transient changes within the liver macrophage pool. <i>Cellular Immunology</i> , <b>2017</b> , 322, 74-83	4.4	56
32	African trypanosomiasis: from immune escape and immunopathology to immune intervention. <i>Veterinary Parasitology</i> , <b>2007</b> , 148, 3-13	2.8	49
31	Developmental control of macrophage function. <i>Current Opinion in Immunology</i> , <b>2018</b> , 50, 64-74	7.8	47
30	SCORPIUS improves trajectory inference and identifies novel modules in dendritic cell development		40
29	Experimental expansion of the regulatory T cell population increases resistance to African trypanosomiasis. <i>Journal of Infectious Diseases</i> , <b>2008</b> , 198, 781-91	7	38

28	Does tissue imprinting restrict macrophage plasticity?. <i>Nature Immunology</i> , <b>2021</b> , 22, 118-127	19.1	38
27	Sensorimotor reconditioning during and after spaceflight. <i>NeuroRehabilitation</i> , <b>2011</b> , 29, 185-95	2	37
26	The role of Kupffer cells in hepatic iron and lipid metabolism. <i>Journal of Hepatology</i> , <b>2018</b> , 69, 1197-1199	3.4	31
25	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. <i>Immunity</i> , <b>2020</b> , 52, 1088-1104.e6	32.3	31
24	A Death Notice for In-Vitro-Generated GM-CSF Dendritic Cells?. <i>Immunity</i> , <b>2015</b> , 42, 988-90	32.3	30
23	The mucosal adjuvant cholera toxin B instructs non-mucosal dendritic cells to promote IgA production via retinoic acid and TGF- $\beta$ . <i>PLoS ONE</i> , <b>2013</b> , 8, e59822	3.7	27
22	Ly6C- Monocytes Regulate Parasite-Induced Liver Inflammation by Inducing the Differentiation of Pathogenic Ly6C+ Monocytes into Macrophages. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004873	7.6	26
21	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. <i>Immunity</i> , <b>2013</b> , 38, 1073-1079	32.3	22
20	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. <i>Immunobiology</i> , <b>2009</b> , 214, 737-47	3.4	22
19	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. <i>Nature Communications</i> , <b>2018</b> , 9, 5338	17.4	22
18	ImmGen at 15. <i>Nature Immunology</i> , <b>2020</b> , 21, 700-703	19.1	20
17	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches.. <i>Cell</i> , <b>2022</b> , 185, 379-396.e38	56.2	20
16	Quorum sensing in the immune system. <i>Nature Reviews Immunology</i> , <b>2018</b> , 18, 537-538	36.5	14
15	Von Hippel-Lindau Protein Is Required for Optimal Alveolar Macrophage Terminal Differentiation, Self-Renewal, and Function. <i>Cell Reports</i> , <b>2018</b> , 24, 1738-1746	10.6	14
14	Test battery designed to quickly and safely assess diverse indices of neuromuscular function after unweighting. <i>Journal of Strength and Conditioning Research</i> , <b>2011</b> , 25, 545-55	3.2	13
13	Monocytes find a new place to dwell in the niche of heartbreak hotel. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 2136	16.6	11
12	A Matter of Perspective: Moving from a Pre-omic to a Systems-Biology Vantage of Monocyte-Derived Cell Function and Nomenclature. <i>Immunity</i> , <b>2016</b> , 44, 5-6	32.3	8
11	Expanding dendritic cell nomenclature in the single-cell era.. <i>Nature Reviews Immunology</i> , <b>2022</b> ,	36.5	8

10	NOTCHing up the In Vitro Production of Dendritic Cells. <i>Trends in Immunology</i> , <b>2018</b> , 39, 765-767	14.4	5
9	Hepatocarcinoma Induces a Tumor Necrosis Factor-Dependent Kupffer Cell Death Pathway That Favors Its Proliferation Upon Partial Hepatectomy. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 547013	5.3	4
8	Tissue Unit-ed: Lung Cells Team up to Drive Alveolar Macrophage Development. <i>Cell</i> , <b>2018</b> , 175, 898-900	56.2	4
7	A workflow for 3D-CLEM investigating liver tissue. <i>Journal of Microscopy</i> , <b>2021</b> , 281, 231-242	1.9	3
6	Macrophage, a long-distance middleman. <i>Science</i> , <b>2017</b> , 355, 1258-1259	33.3	2
5	Cellular origin of human cardiac macrophage populations. <i>Nature Medicine</i> , <b>2018</b> , 24, 1091-1092	50.5	2
4	Myeloid Cells TREM Down Anti-tumor Responses. <i>Cell</i> , <b>2020</b> , 182, 796-798	56.2	2
3	Priority lane to cDC1 open for IRF8 progenitors. <i>Blood</i> , <b>2019</b> , 133, 1795-1797	2.2	1
2	Macrophage precursors PLASTed INTO alveolar space. <i>Blood</i> , <b>2016</b> , 128, 2750-2752	2.2	1
1	The conventional dendritic cell lineage is born. <i>Nature Reviews Immunology</i> , <b>2021</b> , 21, 623	36.5	