Martin Guilliams

List of Publications by Year in Descending Order

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	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches.. *Cell*, **2022**, 185, 379-396.e38	56.2	20
80	Expanding dendritic cell nomenclature in the single-cell era.. *Nature Reviews Immunology*, **2022**,	36.5	8
79	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. *Nature Neuroscience*, **2021**, 24, 595-610	25.5	59
78	A workflow for 3D-CLEM investigating liver tissue. *Journal of Microscopy*, **2021**, 281, 231-242	1.9	3
77	The conventional dendritic cell lineage is born. *Nature Reviews Immunology*, **2021**, 21, 623	36.5	
76	Does tissue imprinting restrict macrophage plasticity?. *Nature Immunology*, **2021**, 22, 118-127	19.1	38
75	Inflammatory Type 2 cDCs Acquire Features of cDC1s and Macrophages to Orchestrate Immunity to Respiratory Virus Infection. *Immunity*, **2020**, 52, 1039-1056.e9	32.3	120
74	Establishment and Maintenance of the Macrophage Niche. *Immunity*, **2020**, 52, 434-451	32.3	130
73	ImmGen at 15. *Nature Immunology*, **2020**, 21, 700-703	19.1	20
72	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. *Nature Neuroscience*, **2020**, 23, 676-689	25.5	66
71	Myeloid Cells TREM Down Anti-tumor Responses. *Cell*, **2020**, 182, 796-798	56.2	2
70	Hepatocarcinoma Induces a Tumor Necrosis Factor-Dependent Kupffer Cell Death Pathway That Favors Its Proliferation Upon Partial Hepatectomy. *Frontiers in Oncology*, **2020**, 10, 547013	5.3	4
69	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. *Immunity*, **2020**, 52, 1088-1104.e6	32.3	31
68	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. *Immunity*, **2019**, 51, 638-654.e9	32.3	184
67	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. *Nature Neuroscience*, **2019**, 22, 1021-1035	25.5	285
66	Priority lane to cDC1 open for IRF8 progenitors. *Blood*, **2019**, 133, 1795-1797	2.2	1
65	Niche signals and transcription factors involved in tissue-resident macrophage development. *Cellular Immunology*, **2018**, 330, 43-53	4.4	76

64	Developmental control of macrophage function. *Current Opinion in Immunology*, **2018**, 50, 64-74	7.8	47
63	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. *Immunity*, **2018**, 49, 312-325.e5	32.3	110
62	Cellular origin of human cardiac macrophage populations. *Nature Medicine*, **2018**, 24, 1091-1092	50.5	2
61	The role of Kupffer cells in hepatic iron and lipid metabolism. *Journal of Hepatology*, **2018**, 69, 1197-1199	13.4	31
60	Quorum sensing in the immune system. *Nature Reviews Immunology*, **2018**, 18, 537-538	36.5	14
59	SNOTCHing upSthe In Vitro Production of Dendritic Cells. *Trends in Immunology*, **2018**, 39, 765-767	14.4	5
58	Von Hippel-Lindau Protein Is Required for Optimal Alveolar Macrophage Terminal Differentiation, Self-Renewal, and Function. *Cell Reports*, **2018**, 24, 1738-1746	10.6	14
57	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. *Nature Communications*, **2018**, 9, 5338	17.4	22
56	Developmental and Functional Heterogeneity of Monocytes. *Immunity*, **2018**, 49, 595-613	32.3	306
55	Tissue Unit-ed: Lung Cells Team up to Drive Alveolar Macrophage Development. *Cell*, **2018**, 175, 898-900	56.2	4
54	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. *Cell*, **2018**, 175, 400-415.e13	56.2	201
53	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nature Communications*, **2018**, 9, 2036	17.4	92
52	Development of conventional dendritic cells: from common bone marrow progenitors to multiple subsets in peripheral tissues. *Mucosal Immunology*, **2017**, 10, 831-844	9.2	82
51	Does niche competition determine the origin of tissue-resident macrophages?. *Nature Reviews Immunology*, **2017**, 17, 451-460	36.5	226
50	Macrophage, a long-distance middleman. *Science*, **2017**, 355, 1258-1259	33.3	2
49	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. *Cell Reports* , **2017**, 18, 3005-3017	10.6	64
48	A gammaherpesvirus provides protection against allergic asthma by inducing the replacement of resident alveolar macrophages with regulatory monocytes. *Nature Immunology*, **2017**, 18, 1310-1320	19.1	90
47	Non-alcoholic steatohepatitis induces transient changes within the liver macrophage pool. *Cellular Immunology*, **2017**, 322, 74-83	4.4	56

46	IRF8 Transcription Factor Controls Survival and Function of Terminally Differentiated Conventional and Plasmacytoid Dendritic Cells, Respectively. *Immunity*, **2016**, 45, 626-640	32.3	157
45	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. *Immunity* , **2016**, 45, 669-684	32.3	474
44	A Matter of Perspective: Moving from a Pre-omic to a Systems-Biology Vantage of Monocyte-Derived Cell Function and Nomenclature. *Immunity*, **2016**, 44, 5-6	32.3	8
43	Tissue-Resident Macrophage Ontogeny and Homeostasis. *Immunity*, **2016**, 44, 439-449	32.3	849
42	Yolk Sac Macrophages, Fetal Liver, and Adult Monocytes Can Colonize an Empty Niche and Develop into Functional Tissue-Resident Macrophages. *Immunity*, **2016**, 44, 755-68	32.3	334
41	Bone marrow-derived monocytes give rise to self-renewing and fully differentiated Kupffer cells. *Nature Communications*, **2016**, 7, 10321	17.4	404
40	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. *Nature Communications*, **2016**, 7, ncomms11852	17.4	176
39	The tumour microenvironment harbours ontogenically distinct dendritic cell populations with opposing effects on tumour immunity. *Nature Communications*, **2016**, 7, 13720	17.4	145
38	Macrophage precursors PLASTed INto alveolar space. *Blood*, **2016**, 128, 2750-2752	2.2	1
37	The transcription factor Zeb2 regulates development of conventional and plasmacytoid DCs by repressing Id2. *Journal of Experimental Medicine*, **2016**, 213, 897-911	16.6	84
36	A Death Notice for In-Vitro-Generated GM-CSF Dendritic Cells?. *Immunity*, **2015**, 42, 988-90	32.3	30
35	Ly6C- Monocytes Regulate Parasite-Induced Liver Inflammation by Inducing the Differentiation of Pathogenic Ly6C+ Monocytes into Macrophages. *PLoS Pathogens*, **2015**, 11, e1004873	7.6	26
34	CCR2(+)CD103(-) intestinal dendritic cells develop from DC-committed precursors and induce interleukin-17 production by T cells. *Mucosal Immunology*, **2015**, 8, 327-39	9.2	118
33	A Hitchhiker's Guide to Myeloid Cell Subsets: Practical Implementation of a Novel Mononuclear Phagocyte Classification System. *Frontiers in Immunology*, **2015**, 6, 406	8.4	80
32	The function of Fc receptors in dendritic cells and macrophages. *Nature Reviews Immunology*, **2014** , 14, 94-108	36.5	415
31	Dendritic cells, monocytes and macrophages: a unified nomenclature based on ontogeny. *Nature Reviews Immunology*, **2014**, 14, 571-8	36.5	1106
30	Mononuclear phagocytes of the intestine, the skin, and the lung. *Immunological Reviews*, **2014**, 262, 9-24	11.3	69
29	Monocytes find a new place to dwell in the niche of heartbreak hotel. *Journal of Experimental Medicine*, **2014**, 211, 2136	16.6	11

28	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. *Immunity*, **2013**, 38, 1073-1079	32.3	22
27	Origins and functional specialization of macrophages and of conventional and monocyte-derived dendritic cells in mouse skin. *Immunity*, **2013**, 39, 925-38	32.3	506
26	Alveolar macrophages develop from fetal monocytes that differentiate into long-lived cells in the first week of life via GM-CSF. *Journal of Experimental Medicine*, **2013**, 210, 1977-92	16.6	698
25	Fate mapping reveals origins and dynamics of monocytes and tissue macrophages under homeostasis. *Immunity*, **2013**, 38, 79-91	32.3	1804
24	Conventional and monocyte-derived CD11b(+) dendritic cells initiate and maintain T helper 2 cell-mediated immunity to house dust mite allergen. *Immunity*, **2013**, 38, 322-35	32.3	614
23	Division of labor between lung dendritic cells and macrophages in the defense against pulmonary infections. *Mucosal Immunology*, **2013**, 6, 464-73	9.2	187
22	Resident and pro-inflammatory macrophages in the colon represent alternative context-dependent fates of the same Ly6Chi monocyte precursors. *Mucosal Immunology*, **2013**, 6, 498-510	9.2	550
21	The mucosal adjuvant cholera toxin B instructs non-mucosal dendritic cells to promote IgA production via retinoic acid and TGF-□*PLoS ONE*, **2013**, 8, e59822	3.7	27
20	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the Th1-inducing role of mesenteric lymph node macrophages during colitis. *European Journal of Immunology*, **2012**, 42, 3150-66	6.1	352
19	CD64 expression distinguishes monocyte-derived and conventional dendritic cells and reveals their distinct role during intramuscular immunization. *Journal of Immunology*, **2012**, 188, 1751-60	5.3	195
18	Test battery designed to quickly and safely assess diverse indices of neuromuscular function after unweighting. *Journal of Strength and Conditioning Research*, **2011**, 25, 545-55	3.2	13
17	Sensorimotor reconditioning during and after spaceflight. *NeuroRehabilitation*, **2011**, 29, 185-95	2	37
16	Cutting edge: expression of XCR1 defines mouse lymphoid-tissue resident and migratory dendritic cells of the CD8□ type. *Journal of Immunology*, **2011**, 187, 4411-5	5.3	149
15	Disentangling the complexity of the skin dendritic cell network. *Immunology and Cell Biology*, **2010**, 88, 366-75	5	83
14	Comparative genomics as a tool to reveal functional equivalences between human and mouse dendritic cell subsets. *Immunological Reviews*, **2010**, 234, 177-98	11.3	144
13	CD207+ CD103+ dermal dendritic cells cross-present keratinocyte-derived antigens irrespective of the presence of Langerhans cells. *Journal of Experimental Medicine*, **2010**, 207, 189-206	16.6	323
12	Tip-DC development during parasitic infection is regulated by IL-10 and requires CCL2/CCR2, IFN-gamma and MyD88 signaling. *PLoS Pathogens*, **2010**, 6, e1001045	7.6	115
11	Skin-draining lymph nodes contain dermis-derived CD103(-) dendritic cells that constitutively produce retinoic acid and induce Foxp3(+) regulatory T cells. *Blood*, **2010**, 115, 1958-68	2.2	257

10	From skin dendritic cells to a simplified classification of human and mouse dendritic cell subsets. *European Journal of Immunology*, **2010**, 40, 2089-94	6.1	107
9	IL-10 dampens TNF/inducible nitric oxide synthase-producing dendritic cell-mediated pathogenicity during parasitic infection. *Journal of Immunology*, **2009**, 182, 1107-18	5.3	100
8	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. *Immunobiology*, **2009**, 214, 737-47	3.4	22
7	Alternatively activated myeloid cells limit pathogenicity associated with African trypanosomiasis through the IL-10 inducible gene selenoprotein P. *Journal of Immunology*, **2008**, 180, 6168-75	5.3	84
6	Experimental expansion of the regulatory T cell population increases resistance to African trypanosomiasis. *Journal of Infectious Diseases*, **2008**, 198, 781-91	7	38
5	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cell-suppressive activity. *Blood*, **2008**, 111, 4233-44	2.2	944
4	African trypanosomosis: from immune escape and immunopathology to immune intervention. *Veterinary Parasitology*, **2007**, 148, 3-13	2.8	49
3	African trypanosomiasis: naturally occurring regulatory T cells favor trypanotolerance by limiting pathology associated with sustained type 1 inflammation. *Journal of Immunology*, **2007**, 179, 2748-57	5.3	71
2	A glycosylphosphatidylinositol-based treatment alleviates trypanosomiasis-associated immunopathology. *Journal of Immunology*, **2007**, 179, 4003-14	5.3	63
1	SCORPIUS improves trajectory inference and identifies novel modules in dendritic cell development		40