Martin Guilliams

List of Publications by Year
in descending order

85 papers	21,287 citations	31949 53 h-index	53190 85 g-index
88 all docs	88 docs citations	88 times ranked	24912 citing authors

#	Article	IF	Citations
1	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. Immunity, 2013, 38, 79-91.	6.6	2,528
2	Dendritic cells, monocytes and macrophages: a unified nomenclature based on ontogeny. Nature Reviews Immunology, 2014, 14, 571-578.	10.6	1,494
3	Tissue-Resident Macrophage Ontogeny and Homeostasis. Immunity, 2016, 44, 439-449.	6.6	1,296
4	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cellâ€“suppressive activity. Blood, 2008, 111, 4233-4244.	0.6	1,081
5	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, 1977-1992.	4.2	976
6	Conventional and Monocyte-Derived CD11b+ Dendritic Cells Initiate and Maintain T Helper 2 Cell-Mediated Immunity to House Dust Mite Allergen. Immunity, 2013, 38, 322-335.	6.6	770
7	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.	2.7	749
8	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. Immunity, 2016, 45, 669-684.	6.6	683
9	Origins and Functional Specialization of Macrophages and of Conventional and Monocyte-Derived Dendritic Cells in Mouse Skin. Immunity, 2013, 39, 925-938.	6.6	651
10	Developmental and Functional Heterogeneity of Monocytes. Immunity, 2018, 49, 595-613.	6.6	609
11	Bone marrow-derived monocytes give rise to self-renewing and fully differentiated Kupffer cells. Nature Communications, 2016, 7, 10321.	5.8	604
12	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. Nature Neuroscience, 2019, 22, 1021-1035.	7.1	603
13	The function of FcÎ³ receptors in dendritic cells and macrophages. Nature Reviews Immunology, 2014, 14, 94-108.	10.6	530
14	Yolk Sac Macrophages, Fetal Liver, and Adult Monocytes Can Colonize an Empty Niche and Develop into Functional Tissue-Resident Macrophages. Immunity, 2016, 44, 755-768.	6.6	478
15	<scp>CD</scp>64 distinguishes macrophages from dendritic cells in the gut and reveals the <scp>T</scp>h1â€inducing role of mesenteric lymph node macrophages during colitis. European Journal of Immunology, 2012, 42, 3150-3166.	1.6	430
16	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. Immunity, 2019, 51, 638-654.e9.	6.6	384
17	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. Cell, 2018, 175, 400-415.e13.	13.5	371
18	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.	4.2	350

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19	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. Cell, 2022, 185, 379-396.e38.	13.5	343
20	Does niche competition determine the origin of tissue-resident macrophages?. Nature Reviews Immunology, 2017, 17, 451-460.	10.6	321
21	Establishment and Maintenance of the Macrophage Niche. Immunity, 2020, 52, 434-451.	6.6	308
22	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. Nature Neuroscience, 2021, 24, 595-610.	7.1	288
23	Skin-draining lymph nodes contain dermis-derived CD103â˜ dendritic cells that constitutively produce retinoic acid and induce Foxp3+ regulatory T cells. Blood, 2010, 115, 1958-1968.	0.6	286
24	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. Nature Communications, 2016, 7, ncomms11852.	5.8	275
25	IRF8 Transcription Factor Controls Survival and Function of Terminally Differentiated Conventional and Plasmacytoid Dendritic Cells, Respectively. Immunity, 2016, 45, 626-640.	6.6	273
26	CD64 Expression Distinguishes Monocyte-Derived and Conventional Dendritic Cells and Reveals Their Distinct Role during Intramuscular Immunization. Journal of Immunology, 2012, 188, 1751-1760.	0.4	243
27	Inflammatory Type 2 cDCs Acquire Features of cDC1s and Macrophages to Orchestrate Immunity to Respiratory Virus Infection. Immunity, 2020, 52, 1039-1056.e9.	6.6	237
28	Division of labor between lung dendritic cells and macrophages in the defense against pulmonary infections. Mucosal Immunology, 2013, 6, 464-473.	2.7	223
29	The tumour microenvironment harbours ontogenically distinct dendritic cell populations with opposing effects on tumour immunity. Nature Communications, 2016, 7, 13720.	5.8	217
30	Cutting Edge: Expression of XCR1 Defines Mouse Lymphoid-Tissue Resident and Migratory Dendritic Cells of the CD8Î±+ Type. Journal of Immunology, 2011, 187, 4411-4415.	0.4	202
31	Comparative genomics as a tool to reveal functional equivalences between human and mouse dendritic cell subsets. Immunological Reviews, 2010, 234, 177-198.	2.8	177
32	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. Immunity, 2018, 49, 312-325.e5.	6.6	172
33	A gammaherpesvirus provides protection against allergic asthma by inducing the replacement of resident alveolar macrophages with regulatory monocytes. Nature Immunology, 2017, 18, 1310-1320.	7.0	164
34	Development of conventional dendritic cells: from common bone marrow progenitors to multiple subsets in peripheral tissues. Mucosal Immunology, 2017, 10, 831-844.	2.7	155
35	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. Nature Communications, 2018, 9, 2036.	5.8	152
36	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. Nature Neuroscience, 2020, 23, 676-689.	7.1	148

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37	CCR2+CD103â^' intestinal dendritic cells develop from DC-committed precursors and induce interleukin-17 production by T cells. Mucosal Immunology, 2015, 8, 327-339.	2.7	140
38	The transcription factor Zeb2 regulates development of conventional and plasmacytoid DCs by repressing Id2. Journal of Experimental Medicine, 2016, 213, 897-911.	4.2	125
39	Tip-DC Development during Parasitic Infection Is Regulated by IL-10 and Requires CCL2/CCR2, IFN-Î³ and MyD88 Signaling. PLoS Pathogens, 2010, 6, e1001045.	2.1	124
40	From skin dendritic cells to a simplified classification of human and mouse dendritic cell subsets. European Journal of Immunology, 2010, 40, 2089-2094.	1.6	120
41	Does tissue imprinting restrict macrophage plasticity?. Nature Immunology, 2021, 22, 118-127.	7.0	117
42	Niche signals and transcription factors involved in tissue-resident macrophage development. Cellular Immunology, 2018, 330, 43-53.	1.4	114
43	IL-10 Dampens TNF/Inducible Nitric Oxide Synthase-Producing Dendritic Cell-Mediated Pathogenicity during Parasitic Infection. Journal of Immunology, 2009, 182, 1107-1118.	0.4	108
44	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. Cell Reports, 2017, 18, 3005-3017.	2.9	104
45	A Hitchhikerâ€™s Guide to Myeloid Cell Subsets: Practical Implementation of a Novel Mononuclear Phagocyte Classification System. Frontiers in Immunology, 2015, 6, 406.	2.2	99
46	Alternatively Activated Myeloid Cells Limit Pathogenicity Associated with African Trypanosomiasis through the IL-10 Inducible Gene Selenoprotein P. Journal of Immunology, 2008, 180, 6168-6175.	0.4	92
47	Disentangling the complexity of the skin dendritic cell network. Immunology and Cell Biology, 2010, 88, 366-375.	1.0	92
48	Mononuclear phagocytes of the intestine, the skin, and the lung. Immunological Reviews, 2014, 262, 9-24.	2.8	91
49	African Trypanosomiasis: Naturally Occurring Regulatory T Cells Favor Trypanotolerance by Limiting Pathology Associated with Sustained Type 1 Inflammation. Journal of Immunology, 2007, 179, 2748-2757.	0.4	81
50	Non-alcoholic steatohepatitis induces transient changes within the liver macrophage pool. Cellular Immunology, 2017, 322, 74-83.	1.4	81
51	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. Immunity, 2020, 52, 1088-1104.e6.	6.6	79
52	A Glycosylphosphatidylinositol-Based Treatment Alleviates Trypanosomiasis-Associated Immunopathology. Journal of Immunology, 2007, 179, 4003-4014.	0.4	68
53	Developmental control of macrophage function. Current Opinion in Immunology, 2018, 50, 64-74.	2.4	65
54	The role of Kupffer cells in hepatic iron and lipid metabolism. Journal of Hepatology, 2018, 69, 1197-1199.	1.8	63

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55	African trypanosomosis: From immune escape and immunopathology to immune intervention. Veterinary Parasitology, 2007, 148, 3-13.	0.7	57
56	ImmGen at 15. Nature Immunology, 2020, 21, 700-703.	7.0	55
57	Sensorimotor reconditioning during and after spaceflight. NeuroRehabilitation, 2011, 29, 185-195.	0.5	49
58	Expanding dendritic cell nomenclature in the single-cell era. Nature Reviews Immunology, 2022, 22, 67-68.	10.6	49
59	Ly6C- Monocytes Regulate Parasite-Induced Liver Inflammation by Inducing the Differentiation of Pathogenic Ly6C+ Monocytes into Macrophages. PLoS Pathogens, 2015, 11, e1004873.	2.1	45
60	Experimental Expansion of the Regulatory T Cell Population Increases Resistance to African Trypanosomiasis. Journal of Infectious Diseases, 2008, 198, 781-791.	1.9	44
61	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. Nature Communications, 2018, 9, 5338.	5.8	44
62	A Death Notice for In-Vitro-Generated GM-CSF Dendritic Cells?. Immunity, 2015, 42, 988-990.	6.6	38
63	The Mucosal Adjuvant Cholera Toxin B Instructs Non-Mucosal Dendritic Cells to Promote IgA Production Via Retinoic Acid and TGF-Î². PLoS ONE, 2013, 8, e59822.	1.1	35
64	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. Immunity, 2013, 38, 1073-1079.	6.6	26
65	Quorum sensing in the immune system. Nature Reviews Immunology, 2018, 18, 537-538.	10.6	26
66	Von Hippel-Lindau Protein Is Required for Optimal Alveolar Macrophage Terminal Differentiation, Self-Renewal, and Function. Cell Reports, 2018, 24, 1738-1746.	2.9	26
67	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. Immunobiology, 2009, 214, 737-747.	0.8	25
68	Editorial: Dendritic Cell and Macrophage Nomenclature and Classification. Frontiers in Immunology, 2016, 7, 168.	2.2	25
69	Test Battery Designed to Quickly and Safely Assess Diverse Indices of Neuromuscular Function After Unweighting. Journal of Strength and Conditioning Research, 2011, 25, 545-555.	1.0	15
70	Functional vulnerability of liver macrophages to capsules defines virulence of blood-borne bacteria. Journal of Experimental Medicine, 2022, 219, .	4.2	13
71	Monocytes find a new place to dwell in the niche of heartbreak hotel. Journal of Experimental Medicine, 2014, 211, 2136-2136.	4.2	12
72	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.	6.6	12

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73	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.	13.5	10
74	Cellular origin of human cardiac macrophage populations. Nature Medicine, 2018, 24, 1091-1092.	15.2	9
75	Hepatocarcinoma Induces a Tumor Necrosis Factor-Dependent Kupffer Cell Death Pathway That Favors Its Proliferation Upon Partial Hepatectomy. Frontiers in Oncology, 2020, 10, 547013.	1.3	7
76	A workflow for 3Dâ€CLEM investigating liver tissue. Journal of Microscopy, 2021, 281, 231-242.	0.8	7
77	Tissue Unit-ed: Lung Cells Team up to Drive Alveolar Macrophage Development. Cell, 2018, 175, 898-900.	13.5	6
78	â€˜NOTCHing upâ€™ the In Vitro Production of Dendritic Cells. Trends in Immunology, 2018, 39, 765-767.	2.9	5
79	Macrophage, a long-distance middleman. Science, 2017, 355, 1258-1259.	6.0	3
80	Decrypting DC development. Nature Immunology, 2019, 20, 1090-1092.	7.0	3
81	Macrophage precursors PLASTed INto alveolar space. Blood, 2016, 128, 2750-2752.	0.6	1
82	Kupffer cell pool is maintained by local proliferation and the differentiation of bone marrow monocytes into short-lived monocyte-derived Kupffer cells during non-alcoholic steatohepatitis and recovery. Journal of Hepatology, 2017, 66, S435.	1.8	1
83	Priority lane to cDC1 open for IRF8+ progenitors. Blood, 2019, 133, 1795-1797.	0.6	1
84	The conventional dendritic cell lineage is born. Nature Reviews Immunology, 2021, 21, 623-623.	10.6	1
85	Differentiation, activation and function of CD11b+Ly6C+ TNF/iNOS-producing dendritic cells during parasitic infection. Cytokine, 2009, 48, 135.	1.4	0