

# Martin Guilliams

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8868696/publications.pdf>

Version: 2024-02-01

85  
papers

21,287  
citations

31976

53  
h-index

53230

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. <i>Immunity</i> , 2013, 38, 79-91.	14.3	2,528
2	Dendritic cells, monocytes and macrophages: a unified nomenclature based on ontogeny. <i>Nature Reviews Immunology</i> , 2014, 14, 571-578.	22.7	1,494
3	Tissue-Resident Macrophage Ontogeny and Homeostasis. <i>Immunity</i> , 2016, 44, 439-449.	14.3	1,296
4	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cell-suppressive activity. <i>Blood</i> , 2008, 111, 4233-4244.	1.4	1,081
5	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> , 2013, 210, 1977-1992.	8.5	976
6	Conventional and Monocyte-Derived CD11b+ Dendritic Cells Initiate and Maintain T Helper 2 Cell-Mediated Immunity to House Dust Mite Allergen. <i>Immunity</i> , 2013, 38, 322-335.	14.3	770
7	Resident and pro-inflammatory macrophages in the colon represent alternative context-dependent fates of the same Ly6Chi monocyte precursors. <i>Mucosal Immunology</i> , 2013, 6, 498-510.	6.0	749
8	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. <i>Immunity</i> , 2016, 45, 669-684.	14.3	683
9	Origins and Functional Specialization of Macrophages and of Conventional and Monocyte-Derived Dendritic Cells in Mouse Skin. <i>Immunity</i> , 2013, 39, 925-938.	14.3	651
10	Developmental and Functional Heterogeneity of Monocytes. <i>Immunity</i> , 2018, 49, 595-613.	14.3	609
11	Bone marrow-derived monocytes give rise to self-renewing and fully differentiated Kupffer cells. <i>Nature Communications</i> , 2016, 7, 10321.	12.8	604
12	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. <i>Nature Neuroscience</i> , 2019, 22, 1021-1035.	14.8	603
13	The function of Fc $\gamma$ 3 receptors in dendritic cells and macrophages. <i>Nature Reviews Immunology</i> , 2014, 14, 94-108.	22.7	530
14	Yolk Sac Macrophages, Fetal Liver, and Adult Monocytes Can Colonize an Empty Niche and Develop into Functional Tissue-Resident Macrophages. <i>Immunity</i> , 2016, 44, 755-768.	14.3	478
15	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the T <sub>H</sub> 1-inducing role of mesenteric lymph node macrophages during colitis. <i>European Journal of Immunology</i> , 2012, 42, 3150-3166.	2.9	430
16	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. <i>Immunity</i> , 2019, 51, 638-654.e9.	14.3	384
17	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. <i>Cell</i> , 2018, 175, 400-415.e13.	28.9	371
18	CD207+ CD103+ dermal dendritic cells cross-present keratinocyte-derived antigens irrespective of the presence of Langerhans cells. <i>Journal of Experimental Medicine</i> , 2010, 207, 189-206.	8.5	350

#	ARTICLE	IF	CITATIONS
19	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. <i>Cell</i> , 2022, 185, 379-396.e38.	28.9	343
20	Does niche competition determine the origin of tissue-resident macrophages?. <i>Nature Reviews Immunology</i> , 2017, 17, 451-460.	22.7	321
21	Establishment and Maintenance of the Macrophage Niche. <i>Immunity</i> , 2020, 52, 434-451.	14.3	308
22	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. <i>Nature Neuroscience</i> , 2021, 24, 595-610.	14.8	288
23	Skin-draining lymph nodes contain dermis-derived CD103 <sup>hi</sup> dendritic cells that constitutively produce retinoic acid and induce Foxp3 <sup>+</sup> regulatory T cells. <i>Blood</i> , 2010, 115, 1958-1968.	1.4	286
24	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. <i>Nature Communications</i> , 2016, 7, ncomms11852.	12.8	275
25	IRF8 Transcription Factor Controls Survival and Function of Terminally Differentiated Conventional and Plasmacytoid Dendritic Cells, Respectively. <i>Immunity</i> , 2016, 45, 626-640.	14.3	273
26	CD64 Expression Distinguishes Monocyte-Derived and Conventional Dendritic Cells and Reveals Their Distinct Role during Intramuscular Immunization. <i>Journal of Immunology</i> , 2012, 188, 1751-1760.	0.8	243
27	Inflammatory Type 2 cDCs Acquire Features of cDC1s and Macrophages to Orchestrate Immunity to Respiratory Virus Infection. <i>Immunity</i> , 2020, 52, 1039-1056.e9.	14.3	237
28	Division of labor between lung dendritic cells and macrophages in the defense against pulmonary infections. <i>Mucosal Immunology</i> , 2013, 6, 464-473.	6.0	223
29	The tumour microenvironment harbours ontogenically distinct dendritic cell populations with opposing effects on tumour immunity. <i>Nature Communications</i> , 2016, 7, 13720.	12.8	217
30	Cutting Edge: Expression of XCR1 Defines Mouse Lymphoid-Tissue Resident and Migratory Dendritic Cells of the CD81 <sup>hi</sup> Type. <i>Journal of Immunology</i> , 2011, 187, 4411-4415.	0.8	202
31	Comparative genomics as a tool to reveal functional equivalences between human and mouse dendritic cell subsets. <i>Immunological Reviews</i> , 2010, 234, 177-198.	6.0	177
32	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. <i>Immunity</i> , 2018, 49, 312-325.e5.	14.3	172
33	A gammaherpesvirus provides protection against allergic asthma by inducing the replacement of resident alveolar macrophages with regulatory monocytes. <i>Nature Immunology</i> , 2017, 18, 1310-1320.	14.5	164
34	Development of conventional dendritic cells: from common bone marrow progenitors to multiple subsets in peripheral tissues. <i>Mucosal Immunology</i> , 2017, 10, 831-844.	6.0	155
35	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. <i>Nature Communications</i> , 2018, 9, 2036.	12.8	152
36	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. <i>Nature Neuroscience</i> , 2020, 23, 676-689.	14.8	148

#	ARTICLE	IF	CITATIONS
37	CCR2+CD103 <sup>hi</sup> intestinal dendritic cells develop from DC-committed precursors and induce interleukin-17 production by T cells. <i>Mucosal Immunology</i> , 2015, 8, 327-339.	6.0	140
38	The transcription factor Zeb2 regulates development of conventional and plasmacytoid DCs by repressing Id2. <i>Journal of Experimental Medicine</i> , 2016, 213, 897-911.	8.5	125
39	Tip-DC Development during Parasitic Infection Is Regulated by IL-10 and Requires CCL2/CCR2, IFN- $\gamma$ and MyD88 Signaling. <i>PLoS Pathogens</i> , 2010, 6, e1001045.	4.7	124
40	From skin dendritic cells to a simplified classification of human and mouse dendritic cell subsets. <i>European Journal of Immunology</i> , 2010, 40, 2089-2094.	2.9	120
41	Does tissue imprinting restrict macrophage plasticity?. <i>Nature Immunology</i> , 2021, 22, 118-127.	14.5	117
42	Niche signals and transcription factors involved in tissue-resident macrophage development. <i>Cellular Immunology</i> , 2018, 330, 43-53.	3.0	114
43	IL-10 Dampens TNF/Inducible Nitric Oxide Synthase-Producing Dendritic Cell-Mediated Pathogenicity during Parasitic Infection. <i>Journal of Immunology</i> , 2009, 182, 1107-1118.	0.8	108
44	Myocardial Infarction Primes Autoreactive T Cells through Activation of Dendritic Cells. <i>Cell Reports</i> , 2017, 18, 3005-3017.	6.4	104
45	A Hitchhiker's Guide to Myeloid Cell Subsets: Practical Implementation of a Novel Mononuclear Phagocyte Classification System. <i>Frontiers in Immunology</i> , 2015, 6, 406.	4.8	99
46	Alternatively Activated Myeloid Cells Limit Pathogenicity Associated with African Trypanosomiasis through the IL-10 Inducible Gene Selenoprotein P. <i>Journal of Immunology</i> , 2008, 180, 6168-6175.	0.8	92
47	Disentangling the complexity of the skin dendritic cell network. <i>Immunology and Cell Biology</i> , 2010, 88, 366-375.	2.3	92
48	Mononuclear phagocytes of the intestine, the skin, and the lung. <i>Immunological Reviews</i> , 2014, 262, 9-24.	6.0	91
49	African Trypanosomiasis: Naturally Occurring Regulatory T Cells Favor Trypanotolerance by Limiting Pathology Associated with Sustained Type 1 Inflammation. <i>Journal of Immunology</i> , 2007, 179, 2748-2757.	0.8	81
50	Non-alcoholic steatohepatitis induces transient changes within the liver macrophage pool. <i>Cellular Immunology</i> , 2017, 322, 74-83.	3.0	81
51	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. <i>Immunity</i> , 2020, 52, 1088-1104.e6.	14.3	79
52	A Glycosylphosphatidylinositol-Based Treatment Alleviates Trypanosomiasis-Associated Immunopathology. <i>Journal of Immunology</i> , 2007, 179, 4003-4014.	0.8	68
53	Developmental control of macrophage function. <i>Current Opinion in Immunology</i> , 2018, 50, 64-74.	5.5	65
54	The role of Kupffer cells in hepatic iron and lipid metabolism. <i>Journal of Hepatology</i> , 2018, 69, 1197-1199.	3.7	63

#	ARTICLE	IF	CITATIONS
55	African trypanosomosis: From immune escape and immunopathology to immune intervention. <i>Veterinary Parasitology</i> , 2007, 148, 3-13.	1.8	57
56	ImmGen at 15. <i>Nature Immunology</i> , 2020, 21, 700-703.	14.5	55
57	Sensorimotor reconditioning during and after spaceflight. <i>NeuroRehabilitation</i> , 2011, 29, 185-195.	1.3	49
58	Expanding dendritic cell nomenclature in the single-cell era. <i>Nature Reviews Immunology</i> , 2022, 22, 67-68.	22.7	49
59	Ly6C- Monocytes Regulate Parasite-Induced Liver Inflammation by Inducing the Differentiation of Pathogenic Ly6C+ Monocytes into Macrophages. <i>PLoS Pathogens</i> , 2015, 11, e1004873.	4.7	45
60	Experimental Expansion of the Regulatory T Cell Population Increases Resistance to African Trypanosomiasis. <i>Journal of Infectious Diseases</i> , 2008, 198, 781-791.	4.0	44
61	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. <i>Nature Communications</i> , 2018, 9, 5338.	12.8	44
62	A Death Notice for In-Vitro-Generated GM-CSF Dendritic Cells?. <i>Immunity</i> , 2015, 42, 988-990.	14.3	38
63	The Mucosal Adjuvant Cholera Toxin B Instructs Non-Mucosal Dendritic Cells to Promote IgA Production Via Retinoic Acid and TGF- $\beta$ 2. <i>PLoS ONE</i> , 2013, 8, e59822.	2.5	35
64	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. <i>Immunity</i> , 2013, 38, 1073-1079.	14.3	26
65	Quorum sensing in the immune system. <i>Nature Reviews Immunology</i> , 2018, 18, 537-538.	22.7	26
66	Von Hippel-Lindau Protein Is Required for Optimal Alveolar Macrophage Terminal Differentiation, Self-Renewal, and Function. <i>Cell Reports</i> , 2018, 24, 1738-1746.	6.4	26
67	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. <i>Immunobiology</i> , 2009, 214, 737-747.	1.9	25
68	Editorial: Dendritic Cell and Macrophage Nomenclature and Classification. <i>Frontiers in Immunology</i> , 2016, 7, 168.	4.8	25
69	Test Battery Designed to Quickly and Safely Assess Diverse Indices of Neuromuscular Function After Unweighting. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 545-555.	2.1	15
70	Functional vulnerability of liver macrophages to capsules defines virulence of blood-borne bacteria. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	13
71	Monocytes find a new place to dwell in the niche of heartbreak hotel. <i>Journal of Experimental Medicine</i> , 2014, 211, 2136-2136.	8.5	12
72	A Matter of Perspective: Moving from a Pre-omic to a Systems-Biology Vantage of Monocyte-Derived Cell Function and Nomenclature. <i>Immunity</i> , 2016, 44, 5-6.	14.3	12

#	ARTICLE	IF	CITATIONS
73	Myeloid Cells TREM Down Anti-tumor Responses. <i>Cell</i> , 2020, 182, 796-798.	28.9	10
74	Cellular origin of human cardiac macrophage populations. <i>Nature Medicine</i> , 2018, 24, 1091-1092.	30.7	9
75	Hepatocarcinoma Induces a Tumor Necrosis Factor-Dependent Kupffer Cell Death Pathway That Favors Its Proliferation Upon Partial Hepatectomy. <i>Frontiers in Oncology</i> , 2020, 10, 547013.	2.8	7
76	A workflow for 3D-CLEM investigating liver tissue. <i>Journal of Microscopy</i> , 2021, 281, 231-242.	1.8	7
77	Tissue Unit-ed: Lung Cells Team up to Drive Alveolar Macrophage Development. <i>Cell</i> , 2018, 175, 898-900.	28.9	6
78	“NOTCHing up” the In Vitro Production of Dendritic Cells. <i>Trends in Immunology</i> , 2018, 39, 765-767.	6.8	5
79	Macrophage, a long-distance middleman. <i>Science</i> , 2017, 355, 1258-1259.	12.6	3
80	Decrypting DC development. <i>Nature Immunology</i> , 2019, 20, 1090-1092.	14.5	3
81	Macrophage precursors PLASTed INto alveolar space. <i>Blood</i> , 2016, 128, 2750-2752.	1.4	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. <i>Journal of Hepatology</i> , 2017, 66, S435.	3.7	1
83	Priority lane to cDC1 open for IRF8+ progenitors. <i>Blood</i> , 2019, 133, 1795-1797.	1.4	1
84	The conventional dendritic cell lineage is born. <i>Nature Reviews Immunology</i> , 2021, 21, 623-623.	22.7	1
85	Differentiation, activation and function of CD11b+Ly6C+ TNF/iNOS-producing dendritic cells during parasitic infection. <i>Cytokine</i> , 2009, 48, 135.	3.2	0