Frederic Geissmann

List of Publications by Year
in descending order

125 papers	39,167 citations	9786 73 h-index	17105 122 g-index
132 all docs	132 docs citations	132 times ranked	39238 citing authors

#	Article	IF	Citations
1	Origins, Biology, and Diseases of Tissue Macrophages. Annual Review of Immunology, 2021, 39, 313-344.	21.8	88
2	Diet-regulated production of PDGFcc by macrophages controls energy storage. Science, 2021, 373, .	12.6	84
3	Inherited human c-Rel deficiency disrupts myeloid and lymphoid immunity to multiple infectious agents. Journal of Clinical Investigation, 2021, 131, .	8.2	21
4	Macrophage ontogeny in the control of adipose tissue biology. Current Opinion in Immunology, 2020, 62, 1-8.	5.5	29
5	Histone deacetylase 3 controls lung alveolar macrophage development and homeostasis. Nature Communications, 2020, 11, 3822.	12.8	22
6	NR4A1 Deletion in Marginal Zone B Cells Exacerbates Atherosclerosis in Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2598-2604.	2.4	27
7	Editorial overview: Innate immunity from a phylogenic perspective. Current Opinion in Immunology, 2020, 62, iii-v.	5.5	0
8	Cxcr4 distinguishes HSC-derived monocytes from microglia and reveals monocyte immune responses to experimental stroke. Nature Neuroscience, 2020, 23, 351-362.	14.8	123
9	Liver-Derived Signals Sequentially Reprogram Myeloid Enhancers to Initiate and Maintain Kupffer Cell Identity. Immunity, 2019, 51, 655-670.e8.	14.3	234
10	Developmental origin, functional maintenance and genetic rescue of osteoclasts. Nature, 2019, 568, 541-545.	27.8	313
11	Adult Drosophila Lack Hematopoiesis but Rely on a Blood Cell Reservoir at the Respiratory Epithelia to Relay Infection Signals to Surrounding Tissues. Developmental Cell, 2019, 51, 787-803.e5.	7.0	64
12	Activating mutations in CSF1R and additional receptor tyrosine kinases in histiocytic neoplasms. Nature Medicine, 2019, 25, 1839-1842.	30.7	122
13	Inducible disruption of the c-myb gene allows allogeneic bone marrow transplantation without irradiation. Journal of Immunological Methods, 2018, 457, 66-72.	1.4	4
14	Yolk sac macrophage progenitors traffic to the embryo during defined stages of development. Nature Communications, 2018, 9, 75.	12.8	194
15	Selective Nanoparticle Targeting of the Renal Tubules. Hypertension, 2018, 71, 87-94.	2.7	85
16	Human IFN-Î³ immunity to mycobacteria is governed by both IL-12 and IL-23. Science Immunology, 2018, 3, .	11.9	152
17	Tuberculosis and impaired IL-23â€"dependent IFN-Î³ immunity in humans homozygous for a common <i>TYK2</i> missense variant. Science Immunology, 2018, 3, .	11.9	148
18	Macrophages of distinct origins contribute to tumor development in the lung. Journal of Experimental Medicine, 2018, 215, 2536-2553.	8.5	203

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19	IRF4 haploinsufficiency in a family with Whippleâ€™s disease. ELife, 2018, 7, .	6.0	43
20	Disruption of an antimycobacterial circuit between dendritic and helper T cells in human SPPL2a deficiency. Nature Immunology, 2018, 19, 973-985.	14.5	96
21	Activating Mutations in CSF1R and Additional Receptor Tyrosine Kinases in Sporadic and Familial Histiocytic Neoplasms. Blood, 2018, 132, 49-49.	1.4	10
22	Embryonic thymopoiesis is initiated by an immune-restricted lympho-myeloid progenitor, independently of notch signaling. Experimental Hematology, 2017, 53, S113-S114.	0.4	0
23	A somatic mutation in erythro-myeloid progenitors causes neurodegenerative disease. Nature, 2017, 549, 389-393.	27.8	144
24	Inherited GINS1 deficiency underlies growth retardation along with neutropenia and NK cell deficiency. Journal of Clinical Investigation, 2017, 127, 1991-2006.	8.2	115
25	<i>BRAF</i> Mutation Correlates With High-Risk Langerhans Cell Histiocytosis and Increased Resistance to First-Line Therapy. Journal of Clinical Oncology, 2016, 34, 3023-3030.	1.6	233
26	Long-lived self-renewing bone marrow-derived macrophages displace embryo-derived cells to inhabit adult serous cavities. Nature Communications, 2016, 7, ncomms11852.	12.8	275
27	The Heterogeneity of Ly6Chi Monocytes Controls Their Differentiation into iNOS+ Macrophages or Monocyte-Derived Dendritic Cells. Immunity, 2016, 45, 1205-1218.	14.3	237
28	Origin, fate and dynamics of macrophages at central nervous system interfaces. Nature Immunology, 2016, 17, 797-805.	14.5	872
29	Initial seeding of the embryonic thymus by immune-restricted lympho-myeloid progenitors. Nature Immunology, 2016, 17, 1424-1435.	14.5	49
30	Specification of tissue-resident macrophages during organogenesis. Science, 2016, 353, .	12.6	609
31	Immune Monitoring of Trans-endothelial Transport by Kidney-Resident Macrophages. Cell, 2016, 166, 991-1003.	28.9	154
32	The development and maintenance of resident macrophages. Nature Immunology, 2016, 17, 2-8.	14.5	474
33	A stratified myeloid system, the challenge of understanding macrophage diversity. Seminars in Immunology, 2015, 27, 353-356.	5.6	28
34	Development and function of tissue resident macrophages in mice. Seminars in Immunology, 2015, 27, 369-378.	5.6	79
35	The transcription factor NR4A1 is essential for the development of a novel macrophage subset in the thymus. Scientific Reports, 2015, 5, 10055.	3.3	39
36	The Origin of Tissue-Resident Macrophages: When an Erythro-myeloid Progenitor Is an Erythro-myeloid Progenitor. Immunity, 2015, 43, 1023-1024.	14.3	76

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37	Environment Drives Selection and Function of Enhancers Controlling Tissue-Specific Macrophage Identities. Cell, 2015, 160, 351-352.	28.9	9
38	Macrophage-Derived upd3 Cytokine Causes Impaired Glucose Homeostasis and Reduced Lifespan in Drosophila Fed a Lipid-Rich Diet. Immunity, 2015, 42, 133-144.	14.3	148
39	Heterogeneity in the Locomotory Behavior of Human Monocyte Subsets over Human Vascular Endothelium In Vitro. Journal of Immunology, 2015, 195, 1162-1170.	0.8	33
40	The real thing: How to make human DC subsets. Journal of Experimental Medicine, 2015, 212, 285-285.	8.5	0
41	Life-threatening influenza and impaired interferon amplification in human IRF7 deficiency. Science, 2015, 348, 448-453.	12.6	389
42	Tissue-resident macrophages originate from yolk-sac-derived erythro-myeloid progenitors. Nature, 2015, 518, 547-551.	27.8	1,724
43	Environment Drives Selection and Function of Enhancers Controlling Tissue-Specific Macrophage Identities. Cell, 2014, 159, 1327-1340.	28.9	1,078
44	Identifying the infiltrators. Science, 2014, 344, 801-802.	12.6	15
45	TNF-Î± blockade induces IL-10 expression in human CD4+ T cells. Nature Communications, 2014, 5, 3199.	12.8	95
46	Constant replenishment from circulating monocytes maintains the macrophage pool in the intestine of adult mice. Nature Immunology, 2014, 15, 929-937.	14.5	921
47	Development and homeostasis of â€œresidentâ€•myeloid cells: The case of the microglia. Glia, 2013, 61, 112-120.	4.9	151
48	Interaction with activated monocytes enhances cytokine expression and suppressive activity of human CD4+CD45ro+CD25+CD127^{low} regulatory T cells. Arthritis and Rheumatism, 2013, 65, 627-638.	6.7	76
49	MEF2 Is an InÂVivo Immune-Metabolic Switch. Cell, 2013, 155, 435-447.	28.9	174
50	Fuz Mutant Mice Reveal Shared Mechanisms between Ciliopathies and FGF-Related Syndromes. Developmental Cell, 2013, 25, 623-635.	7.0	65
51	Lymphomyeloid Contribution of an Immune-Restricted Progenitor Emerging Prior to Definitive Hematopoietic Stem Cells. Cell Stem Cell, 2013, 13, 535-548.	11.1	225
52	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. Nature Neuroscience, 2013, 16, 273-280.	14.8	1,121
53	Measuring Intravascular Migration of Mouse Ly6C low Monocytes In Vivo Using Intravital Microscopy. Current Protocols in Immunology, 2013, 101, Unit 14.33.1-16.	3.6	13
54	Nr4a1-Dependent Ly6Clow Monocytes Monitor Endothelial Cells and Orchestrate Their Disposal. Cell, 2013, 153, 362-375.	28.9	621

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55	Myb-Independent Macrophages: A Family of Cells That Develops with Their Tissue of Residence and Is Involved in Its Homeostasis. Cold Spring Harbor Symposia on Quantitative Biology, 2013, 78, 91-100.	1.1	35
56	Langerin negative dendritic cells promote potent CD8 ⁺ T-cell priming by skin delivery of live adenovirus vaccine microneedle arrays. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3041-3046.	7.1	82
57	NR4A1 (Nur77) Deletion Polarizes Macrophages Toward an Inflammatory Phenotype and Increases Atherosclerosis. Circulation Research, 2012, 110, 416-427.	4.5	380
58	FAS/FAS-L dependent killing of activated human monocytes and macrophages by CD4+CD25âˆ’ responder T cells, but not CD4+CD25+ regulatory T cells. Journal of Autoimmunity, 2012, 38, 29-38.	6.5	24
59	Regulation of Monocyte Functional Heterogeneity by miR-146a and Relb. Cell Reports, 2012, 1, 317-324.	6.4	105
60	B-RAF Mutant Alleles Associated with Langerhans Cell Histiocytosis, a Granulomatous Pediatric Disease. PLoS ONE, 2012, 7, e33891.	2.5	132
61	A Lineage of Myeloid Cells Independent of Myb and Hematopoietic Stem Cells. Science, 2012, 336, 86-90.	12.6	2,084
62	Partial MCM4 deficiency in patients with growth retardation, adrenal insufficiency, and natural killer cell deficiency. Journal of Clinical Investigation, 2012, 122, 821-832.	8.2	272
63	The transcription factor NR4A1 (Nur77) controls bone marrow differentiation and the survival of Ly6Câˆ’ monocytes. Nature Immunology, 2011, 12, 778-785.	14.5	523
64	<i>IRF8</i>Mutations and Human Dendritic-Cell Immunodeficiency. New England Journal of Medicine, 2011, 365, 127-138.	27.0	564
65	Inflammatory Monocytes and Neutrophils Are Licensed to Kill during Memory Responses In Vivo. PLoS Pathogens, 2011, 7, e1002457.	4.7	56
66	Monocytes control natural killer cell differentiation to effector phenotypes. Blood, 2011, 117, 4511-4518.	1.4	80
67	Langerhans cells regulate cutaneous injury by licensing CD8 effector cells recruited to the skin. Blood, 2011, 117, 7063-7069.	1.4	41
68	Toward a functional characterization of blood monocytes. Immunology and Cell Biology, 2011, 89, 2-4.	2.3	60
69	Multiple TGF-Î² Superfamily Signals Modulate the Adult Drosophila Immune Response. Current Biology, 2011, 21, 1672-1677.	3.9	84
70	Splenic CD8Î±⁺ dendritic cells undergo rapid programming by cytosolic bacteria and inflammation to induce protective CD8⁺ Tâ€cell memory. European Journal of Immunology, 2011, 41, 1594-1605.	2.9	26
71	Herpes simplex virus encephalitis in a patient with complete TLR3 deficiency: TLR3 is otherwise redundant in protective immunity. Journal of Experimental Medicine, 2011, 208, 2083-2098.	8.5	262
72	Development of Monocytes, Macrophages, and Dendritic Cells. Science, 2010, 327, 656-661.	12.6	2,471

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73	Human CD14dim Monocytes Patrol and Sense Nucleic Acids and Viruses via TLR7 and TLR8 Receptors. Immunity, 2010, 33, 375-386.	14.3	1,060
74	Unravelling mononuclear phagocyte heterogeneity. Nature Reviews Immunology, 2010, 10, 453-460.	22.7	461
75	Development and homeostasis of â€˜residentâ€™ myeloid cells: the case of the Langerhans cell. Trends in Immunology, 2010, 31, 438-445.	6.8	53
76	Monocytes in atherosclerosis: subsets and functions. Nature Reviews Cardiology, 2010, 7, 77-86.	13.7	747
77	CX3CR1+ CD115+ CD135+ common macrophage/DC precursors and the role of CX3CR1 in their response to inflammation. Journal of Experimental Medicine, 2009, 206, 595-606.	8.5	364
78	Langerhans cell (LC) proliferation mediates neonatal development, homeostasis, and inflammation-associated expansion of the epidermal LC network. Journal of Experimental Medicine, 2009, 206, 3089-3100.	8.5	328
79	Neutralization of IFNÎ³ defeats haemophagocytosis in LCMVâ€infected perforinâ€and Rab27aâ€deficient mice. EMBO Molecular Medicine, 2009, 1, 112-124.	6.9	165
80	The detection of CD14 and CD16 in paraffin-embedded bone marrow biopsies is useful for the diagnosis of chronic myelomonocytic leukemia. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2009, 454, 411-419.	2.8	22
81	Blood Monocytes: Development, Heterogeneity, and Relationship with Dendritic Cells. Annual Review of Immunology, 2009, 27, 669-692.	21.8	1,345
82	A Griscelli syndrome type 2 murine model of hemophagocytic lymphohistiocytosis (HLH). European Journal of Immunology, 2008, 38, 3219-3225.	2.9	54
83	Blood monocytes: distinct subsets, how they relate to dendritic cells, and their possible roles in the regulation of Tâ€cell responses. Immunology and Cell Biology, 2008, 86, 398-408.	2.3	329
84	Homeostasis of dendritic cell pool in lymphoid organs. Nature Immunology, 2008, 9, 584-586.	14.5	18
85	Herpes-Virus Infection in Patients with Langerhans Cell Histiocytosis: A Case-Controlled Sero-Epidemiological Study, and In Situ Analysis. PLoS ONE, 2008, 3, e3262.	2.5	48
86	Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. Journal of Experimental Medicine, 2007, 204, 171-180.	8.5	553
87	Selective predisposition to bacterial infections in IRAK-4â€“deficient children: IRAK-4â€“dependent TLRs are otherwise redundant in protective immunity. Journal of Experimental Medicine, 2007, 204, 2407-2422.	8.5	374
88	TLR3 Deficiency in Patients with Herpes Simplex Encephalitis. Science, 2007, 317, 1522-1527.	12.6	970
89	Monitoring of Blood Vessels and Tissues by a Population of Monocytes with Patrolling Behavior. Science, 2007, 317, 666-670.	12.6	1,637
90	Expansion of Regulatory T Cells in Patients with Langerhans Cell Histiocytosis. PLoS Medicine, 2007, 4, e253.	8.4	128

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91	The origin of dendritic cells. Nature Immunology, 2007, 8, 558-560.	14.5	45
92	The trafficking of natural killer cells. Immunological Reviews, 2007, 220, 169-182.	6.0	460
93	Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. Journal of Cell Biology, 2007, 176, i3-i3.	5.2	0
94	The Class 6 Semaphorin SEMA6A Is Induced by Interferon-Î³ and Defines an Activation Status of Langerhans Cells Observed in Pathological Situations. American Journal of Pathology, 2006, 168, 453-465.	3.8	19
95	A Clonogenic Bone Marrow Progenitor Specific for Macrophages and Dendritic Cells. Science, 2006, 311, 83-87.	12.6	924
96	Herpes Simplex Virus Encephalitis in Human UNC-93B Deficiency. Science, 2006, 314, 308-312.	12.6	674
97	X-linked susceptibility to mycobacteria is caused by mutations in NEMO impairing CD40-dependent IL-12 production. Journal of Experimental Medicine, 2006, 203, 1745-1759.	8.5	264
98	Intravascular Immune Surveillance by CXCR6+ NKT Cells Patrolling Liver Sinusoids. PLoS Biology, 2005, 3, e113.	5.6	590
99	Genetic Evidence Supporting Selection of the VÎ±14i NKT Cell Lineage from Double-Positive Thymocyte Precursors. Immunity, 2005, 22, 705-716.	14.3	240
100	Human TLR-7-, -8-, and -9-Mediated Induction of IFN-Î±/Î² and -Î» Is IRAK-4 Dependent and Redundant for Protective Immunity to Viruses. Immunity, 2005, 23, 465-478.	14.3	245
101	Retinoic acid therapy in â€œdegenerative-likeâ€•neuro-langerhans cell histiocytosis: A prospective pilot study. Pediatric Blood and Cancer, 2004, 43, 55-58.	1.5	58
102	Roles of lymphoid cells in the differentiation of Langerhans dendritic cells in mice. Immunobiology, 2004, 209, 209-221.	1.9	9
103	Severe combined immunodeficiency caused by deficiency in either the Î´ or the Îµ subunit of CD3. Journal of Clinical Investigation, 2004, 114, 1512-1517.	8.2	78
104	Blood Monocytes Consist of Two Principal Subsets with Distinct Migratory Properties. Immunity, 2003, 19, 71-82.	14.3	2,947
105	Retinoids Regulate Survival and Antigen Presentation by Immature Dendritic Cells. Journal of Experimental Medicine, 2003, 198, 623-634.	8.5	143
106	Accumulation of Immature Langerhans Cells in Human Lymph Nodes Draining Chronically Inflamed Skin. Journal of Experimental Medicine, 2002, 196, 417-430.	8.5	246
107	IL-13 Is More Efficient than IL-4 for Recruiting Langerhans Cell Precursors from Peripheral CD14+ Monocytes. Exogenous Dermatology, 2002, 1, 279-289.	0.5	4
108	No association between Langerhans cell histiocytosis and human herpes virus 8. Medical and Pediatric Oncology, 2002, 39, 187-189.	1.0	11

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109	Differentiation of Langerhans cells in Langerhans cell histiocytosis. Blood, 2001, 97, 1241-1248.	1.4	227
110	Dendritic cells are early cellular targets of Listeria monocytogenes after intestinal delivery and are involved in bacterial spread in the host. Cellular Microbiology, 2001, 3, 331-340.	2.1	138
111	X-linked anhidrotic ectodermal dysplasia with immunodeficiency is caused by impaired NF-Î°B signaling. Nature Genetics, 2001, 27, 277-285.	21.4	784
112	A Subset of Human Dendritic Cells Expresses IgA Fc Receptor (CD89), Which Mediates Internalization and Activation Upon Cross-Linking by IgA Complexes. Journal of Immunology, 2001, 166, 346-352.	0.8	141
113	Infected splenic dendritic cells are sufficient for prion transmission to the CNS in mouse scrapie. Journal of Clinical Investigation, 2001, 108, 703-708.	8.2	152
114	CD101 expression by Langerhans cell histiocytosis cells. Histopathology, 2000, 36, 229-232.	2.9	12
115	Activation-Induced Cytidine Deaminase (AID) Deficiency Causes the Autosomal Recessive Form of the Hyper-IgM Syndrome (HIGM2). Cell, 2000, 102, 565-575.	28.9	1,489
116	Langerhans cell deficiency in reticular dysgenesis. Blood, 2000, 96, 58-62.	1.4	27
117	TGF-beta 1 prevents the noncognate maturation of human dendritic Langerhans cells. Journal of Immunology, 1999, 162, 4567-75.	0.8	282
118	Normal CD40-mediated activation of monocytes and dendritic cells from patients with hyper-IgM syndrome due to a CD40 pathway defect in B cells. European Journal of Immunology, 1998, 28, 3648-3654.	2.9	25
119	Transforming Growth Factor Î²1, in the Presence of Granulocyte/Macrophage Colony-stimulating Factor and Interleukin 4, Induces Differentiation of Human Peripheral Blood Monocytes into Dendritic Langerhans Cells. Journal of Experimental Medicine, 1998, 187, 961-966.	8.5	488
120	Homing Receptor Î±4Î²7 Integrin Expression Predicts Digestive Tract Involvement in Mantle Cell Lymphoma. American Journal of Pathology, 1998, 153, 1701-1705.	3.8	38
121	Les cellules de Langerhans au cours des gingivites et des parodontites.. Medecine/Sciences, 1998, 14, 1222.	0.2	3
122	Lack of expression of E-cadherin is associated with dissemination of Langerhans' cell histiocytosis and poor outcome. Journal of Pathology, 1997, 181, 301-304.	4.5	66
123	Digestive tract involvement in Langerhans cell histiocytosis. Journal of Pediatrics, 1996, 129, 836-845.	1.8	71
124	Toxoplasma-Induced Cystitis in a Patient with AIDS. Clinical Infectious Diseases, 1994, 18, 453-454.	5.8	6
125	Blood Cells of Adult <I>Drosophila</I> Do Not Expand, But Control Survival after Bacterial Infection by Induction of <I>Drosocin</I> Around Their Reservoir at the Respiratory Epithelia. SSRN Electronic Journal, 0, , .	0.4	1