Emmanuel L Gautier

List of Publications by Year
in descending order

57 papers	12,084 citations	87401 40 h-index	150775 59 g-index
60 all docs	60 docs citations	60 times ranked	20834 citing authors

#	Article	IF	Citations
1	Immune cell-mediated features of non-alcoholic steatohepatitis. Nature Reviews Immunology, 2022, 22, 429-443.	10.6	174
2	Adipose Tissue Fibrosis in Obesity: Etiology and Challenges. Annual Review of Physiology, 2022, 84, 135-155.	5.6	49
3	Lysosomal Acid Lipase Drives Adipocyte Cholesterol Homeostasis and Modulates Lipid Storage in Obesity, Independent of Autophagy. Diabetes, 2021, 70, 76-90.	0.3	9
4	SHP2 drives inflammation-triggered insulin resistance by reshaping tissue macrophage populations. Science Translational Medicine, 2021, 13, .	5.8	26
5	Macrophage ontogeny and functional diversity in cardiometabolic diseases. Seminars in Cell and Developmental Biology, 2021, 119, 119-129.	2.3	2
6	Non-canonical glutamine transamination sustains efferocytosis by coupling redox buffering to oxidative phosphorylation. Nature Metabolism, 2021, 3, 1313-1326.	5.1	31
7	Targeted invalidation of SR-B1 in macrophages reduces macrophage apoptosis and accelerates atherosclerosis. Cardiovascular Research, 2020, 116, 554-565.	1.8	20
8	Impaired Kupffer Cell Self-Renewal Alters the Liver Response to Lipid Overload during Non-alcoholic Steatohepatitis. Immunity, 2020, 53, 627-640.e5.	6.6	185
9	Autophagy inhibition blunts PDGFRA adipose progenitorsâ€™ cell-autonomous fibrogenic response to high-fat diet. Autophagy, 2020, 16, 2156-2166.	4.3	20
10	Editorial: Monocyte Heterogeneity and Function. Frontiers in Immunology, 2020, 11, 626725.	2.2	9
11	Macrophage Origin, Metabolic Reprogramming and IL-1 Signaling: Promises and Pitfalls in Lung Cancer. Cancers, 2019, 11, 298.	1.7	10
12	Lysosomal Cholesterol Hydrolysis Couples Efferocytosis to Anti-Inflammatory Oxysterol Production. Circulation Research, 2018, 122, 1369-1384.	2.0	88
13	Complement Factor H Inhibits CD47-Mediated Resolution of Inflammation. Immunity, 2017, 46, 261-272.	6.6	132
14	A PDGFRÎ±-Mediated Switch toward CD9high Adipocyte Progenitors Controls Obesity-Induced Adipose Tissue Fibrosis. Cell Metabolism, 2017, 25, 673-685.	7.2	195
15	Cholesterol Accumulation in Dendritic Cells Links the Inflammasome to Acquired Immunity. Cell Metabolism, 2017, 25, 1294-1304.e6.	7.2	153
16	The Heterogeneity of Ly6Chi Monocytes Controls Their Differentiation into iNOS+ Macrophages or Monocyte-Derived Dendritic Cells. Immunity, 2016, 45, 1205-1218.	6.6	237
17	Disruption of Glut1 in Hematopoietic Stem Cells Prevents Myelopoiesis and Enhanced Glucose Flux in Atheromatous Plaques of ApoE ^{â^'/â^'} Mice. Circulation Research, 2016, 118, 1062-1077.	2.0	93
18	MHC II+ resident peritoneal and pleural macrophages rely on IRF4 for development from circulating monocytes. Journal of Experimental Medicine, 2016, 213, 1951-1959.	4.2	117

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19	Sall1 is a transcriptional regulator defining microglia identity and function. Nature Immunology, 2016, 17, 1397-1406.	7.0	430
20	CCR7 and IRF4-dependent dendritic cells regulate lymphatic collecting vessel permeability. Journal of Clinical Investigation, 2016, 126, 1581-1591.	3.9	72
21	Transcriptional Regulation of Mononuclear Phagocyte Development. Frontiers in Immunology, 2015, 6, 533.	2.2	47
22	Promoting macrophage survival delays progression of pre-existing atherosclerotic lesions through macrophage-derived apoE. Cardiovascular Research, 2015, 108, 111-123.	1.8	16
23	Maintenance of Macrophage Redox Status by ChREBP Limits Inflammation and Apoptosis and Protects against Advanced Atherosclerotic Lesion Formation. Cell Reports, 2015, 13, 132-144.	2.9	32
24	Gene Expression during the Generation and Activation of Mouse Neutrophils: Implication of Novel Functional and Regulatory Pathways. PLoS ONE, 2014, 9, e108553.	1.1	83
25	Ly6Chi Monocyte Recruitment Is Responsible for Th2 Associated Host-Protective Macrophage Accumulation in Liver Inflammation due to Schistosomiasis. PLoS Pathogens, 2014, 10, e1004282.	2.1	81
26	Understanding macrophage diversity at the ontogenic and transcriptomic levels. Immunological Reviews, 2014, 262, 85-95.	2.8	37
27	Variation and Genetic Control of Gene Expression in Primary Immunocytes across Inbred Mouse Strains. Journal of Immunology, 2014, 193, 4485-4496.	0.4	44
28	Embryonic and Adult-Derived Resident Cardiac Macrophages Are Maintained through Distinct Mechanisms at Steady State and during Inflammation. Immunity, 2014, 40, 91-104.	6.6	1,120
29	Gata6 regulates aspartoacylase expression in resident peritoneal macrophages and controls their survival. Journal of Experimental Medicine, 2014, 211, 1525-1531.	4.2	159
30	Transcriptional insights into the CD8+ T cell response to infection and memory T cell formation. Nature Immunology, 2013, 14, 404-412.	7.0	303
31	Minimal Differentiation of Classical Monocytes as They Survey Steady-State Tissues and Transport Antigen to Lymph Nodes. Immunity, 2013, 39, 599-610.	6.6	656
32	Shared and distinct transcriptional programs underlie the hybrid nature of iNKT cells. Nature Immunology, 2013, 14, 90-99.	7.0	106
33	The transcriptional landscape of Î±Î² T cell differentiation. Nature Immunology, 2013, 14, 619-632.	7.0	256
34	Identification of transcriptional regulators in the mouse immune system. Nature Immunology, 2013, 14, 633-643.	7.0	179
35	Emerging Roles of Neural Guidance Molecules in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 882-883.	1.1	3
36	HDL and Glut1 inhibition reverse a hypermetabolic state in mouse models of myeloproliferative disorders. Journal of Experimental Medicine, 2013, 210, 339-353.	4.2	41

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37	Local apoptosis mediates clearance of macrophages from resolving inflammation in mice. Blood, 2013, 122, 2714-2722.	0.6	136
38	Lymphatic vasculature mediates macrophage reverse cholesterol transport in mice. Journal of Clinical Investigation, 2013, 123, 1571-1579.	3.9	255
39	Systemic Analysis of PPARÎ³ in Mouse Macrophage Populations Reveals Marked Diversity in Expression with Critical Roles in Resolution of Inflammation and Airway Immunity. Journal of Immunology, 2012, 189, 2614-2624.	0.4	149
40	Bcl-x Inactivation in Macrophages Accelerates Progression of Advanced Atherosclerotic Lesions in Apoe ^{â^'/â^'} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1142-1149.	1.1	33
41	GM-CSF Controls Nonlymphoid Tissue Dendritic Cell Homeostasis but Is Dispensable for the Differentiation of Inflammatory Dendritic Cells. Immunity, 2012, 36, 1031-1046.	6.6	365
42	Gene-expression profiles and transcriptional regulatory pathways that underlie the identity and diversity of mouse tissue macrophages. Nature Immunology, 2012, 13, 1118-1128.	7.0	1,731
43	Molecular definition of the identity and activation of natural killer cells. Nature Immunology, 2012, 13, 1000-1009.	7.0	265
44	Intrathymic programming of effector fates in three molecularly distinct Î³Î´ T cell subtypes. Nature Immunology, 2012, 13, 511-518.	7.0	185
45	Transcriptional profiling of stroma from inflamed and resting lymph nodes defines immunological hallmarks. Nature Immunology, 2012, 13, 499-510.	7.0	416
46	Deciphering the transcriptional network of the dendritic cell lineage. Nature Immunology, 2012, 13, 888-899.	7.0	688
47	CD103+ pulmonary dendritic cells preferentially acquire and present apoptotic cellâ€“associated antigen. Journal of Experimental Medicine, 2011, 208, 1789-1797.	4.2	258
48	Transcriptomes of the B and T Lineages Compared by Multiplatform Microarray Profiling. Journal of Immunology, 2011, 186, 3047-3057.	0.4	97
49	Suppressed monocyte recruitment drives macrophage removal from atherosclerotic plaques of Apoeâ€“/â€“ mice during disease regression. Journal of Clinical Investigation, 2011, 121, 2025-2036.	3.9	292
50	Comparison of gene expression profiles between human and mouse monocyte subsets. Blood, 2010, 115, e10-e19.	0.6	609
51	ATP-Binding Cassette Transporters and HDL Suppress Hematopoietic Stem Cell Proliferation. Science, 2010, 328, 1689-1693.	6.0	624
52	LXR promotes the maximal egress of monocyte-derived cells from mouse aortic plaques during atherosclerosis regression. Journal of Clinical Investigation, 2010, 120, 4415-4424.	3.9	157
53	Regulation of the Migration and Survival of Monocyte Subsets by Chemokine Receptors and Its Relevance to Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1412-1418.	1.1	189
54	Macrophage Apoptosis Exerts Divergent Effects on Atherogenesis as a Function of Lesion Stage. Circulation, 2009, 119, 1795-1804.	1.6	194

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55	Conventional Dendritic Cells at the Crossroads Between Immunity and Cholesterol Homeostasis in Atherosclerosis. Circulation, 2009, 119, 2367-2375.	1.6	122
56	Enhanced Dendritic Cell Survival Attenuates Lipopolysaccharide-Induced Immunosuppression and Increases Resistance to Lethal Endotoxic Shock. Journal of Immunology, 2008, 180, 6941-6946.	0.4	65
57	Enhanced Immune System Activation and Arterial Inflammation Accelerates Atherosclerosis in Lupus-Prone Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1625-1631.	1.1	31