Benoit Malleret

List of Publications by Year
in descending order

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78 papers	8,126 citations	94269 37 h-index	69108 77 g-index
84 all docs	84 docs citations	84 times ranked	12620 citing authors

#	Article	IF	Citations
1	IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses. Immunity, 2013, 38, 970-983.	6.6	703
2	Two distinct interstitial macrophage populations coexist across tissues in specific subtissular niches. Science, 2019, 363, .	6.0	676
3	Human Tissues Contain CD141hi Cross-Presenting Dendritic Cells with Functional Homology to Mouse CD103+ Nonlymphoid Dendritic Cells. Immunity, 2012, 37, 60-73.	6.6	643
4	Adult Langerhans cells derive predominantly from embryonic fetal liver monocytes with a minor contribution of yolk sacâ€“derived macrophages. Journal of Experimental Medicine, 2012, 209, 1167-1181.	4.2	639
5	Identification of cDC1- and cDC2-committed DC progenitors reveals early lineage priming at the common DC progenitor stage in the bone marrow. Nature Immunology, 2015, 16, 718-728.	7.0	475
6	Mapping the human DC lineage through the integration of high-dimensional techniques. Science, 2017, 356, .	6.0	429
7	Single-Cell Analysis of Human Mononuclear Phagocytes Reveals Subset-Defining Markers and Identifies Circulating Inflammatory Dendritic Cells. Immunity, 2019, 51, 573-589.e8.	6.6	336
8	Induced-Pluripotent-Stem-Cell-Derived Primitive Macrophages Provide a Platform for Modeling Tissue-Resident Macrophage Differentiation and Function. Immunity, 2017, 47, 183-198.e6.	6.6	245
9	Active Infection of Human Blood Monocytes by Chikungunya Virus Triggers an Innate Immune Response. Journal of Immunology, 2010, 184, 5903-5913.	0.4	237
10	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. Journal of Experimental Medicine, 2013, 210, 2321-2336.	4.2	190
11	High-Throughput Ultrasensitive Molecular Techniques for Quantifying Low-Density Malaria Parasitemias. Journal of Clinical Microbiology, 2014, 52, 3303-3309.	1.8	181
12	A rapid and robust tri-color flow cytometry assay for monitoring malaria parasite development. Scientific Reports, 2011, 1, 118.	1.6	175
13	The epidemiology of subclinical malariaÂinfections in South-East Asia: findings from cross-sectional surveys in Thailandâ€“Myanmar border areas, Cambodia, and Vietnam. Malaria Journal, 2015, 14, 381.	0.8	163
14	Primary infection with simian immunodeficiency virus: plasmacytoid dendritic cell homing to lymph nodes, type I interferon, and immune suppression. Blood, 2008, 112, 4598-4608.	0.6	160
15	Transferrin receptor 1 is a reticulocyte-specific receptor for Plasmodium vivax. Science, 2018, 359, 48-55.	6.0	158
16	Plasmodium vivax: restricted tropism and rapid remodeling of CD71-positive reticulocytes. Blood, 2015, 125, 1314-1324.	0.6	157
17	STEVOR Is a Plasmodium falciparum Erythrocyte Binding Protein that Mediates Merozoite Invasion and Rosetting. Cell Host and Microbe, 2014, 16, 81-93.	5.1	148
18	Microbial exposure during early human development primes fetal immune cells. Cell, 2021, 184, 3394-3409.e20.	13.5	141

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19	Brain microvessel crossâ€presentation is a hallmark of experimental cerebral malaria. EMBO Molecular Medicine, 2013, 5, 984-999.	3.3	131
20	CD8+ T Cells and IFN-Î³ Mediate the Time-Dependent Accumulation of Infected Red Blood Cells in Deep Organs during Experimental Cerebral Malaria. PLoS ONE, 2011, 6, e18720.	1.1	127
21	A reliable ex vivo invasion assay of human reticulocytes by Plasmodium vivax. Blood, 2011, 118, e74-e81.	0.6	120
22	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	1.1	114
23	The impact of targeted malaria elimination with mass drug administrations on falciparum malaria in Southeast Asia: A cluster randomised trial. PLoS Medicine, 2019, 16, e1002745.	3.9	105
24	UDP-galactose and acetyl-CoA transporters as Plasmodium multidrug resistance genes. Nature Microbiology, 2016, 1, 16166.	5.9	102
25	A subset of Kupffer cells regulates metabolism through the expression of CD36. Immunity, 2021, 54, 2101-2116.e6.	6.6	99
26	Applying Faster R-CNN for Object Detection on Malaria Images. , 2017, 2017, 808-813.		96
27	Chikungunya Virus Neutralization Antigens and Direct Cell-to-Cell Transmission Are Revealed by Human Antibody-Escape Mutants. PLoS Pathogens, 2011, 7, e1002390.	2.1	88
28	Safety and effectiveness of mass drug administration to accelerate elimination of artemisinin-resistant falciparum malaria: A pilot trial in four villages of Eastern Myanmar. Wellcome Open Research, 2017, 2, 81.	0.9	71
29	Single-cell analysis of human skin identifies CD14+ type 3 dendritic cells co-producing IL1B and IL23A in psoriasis. Journal of Experimental Medicine, 2021, 218, .	4.2	68
30	Fetal mast cells mediate postnatal allergic responses dependent on maternal IgE. Science, 2020, 370, 941-950.	6.0	67
31	Dynamics of T-Cell Responses and Memory T Cells during Primary Simian Immunodeficiency Virus Infection in Cynomolgus Macaques. Journal of Virology, 2007, 81, 13456-13468.	1.5	62
32	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. Journal of Investigative Dermatology, 2016, 136, 416-424.	0.3	62
33	FoxP3⁺CD25⁺CD8⁺T-Cell Induction during Primary Simian Immunodeficiency Virus Infection in Cynomolgus Macaques Correlates with Low CD4⁺T-Cell Activation and High Viral Load. Journal of Virology, 2007, 81, 13444-13455.	1.5	51
34	A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGFÎ±-Mediated Recruitment of Neutrophils. Immunity, 2019, 50, 1069-1083.e8.	6.6	50
35	Four human Plasmodium species quantification using droplet digital PCR. PLoS ONE, 2017, 12, e0175771.	1.1	49
36	Glycophorin C (CD236R) mediates vivax malaria parasite rosetting to normocytes. Blood, 2014, 123, e100-e109.	0.6	44

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37	Keras R-CNN: library for cell detection in biological images using deep neural networks. BMC Bioinformatics, 2020, 21, 300.	1.2	44
38	Effect of SIVmac infection on plasmacytoid and CD1c⁺ myeloid dendritic cells in cynomolgus macaques. Immunology, 2008, 124, 223-233.	2.0	41
39	Human ex vivo studies on asexual Plasmodium vivax: The best way forward. International Journal for Parasitology, 2012, 42, 1063-1070.	1.3	40
40	Quantitative mass spectrometry of human reticulocytes reveal proteomeâ€wide modifications during maturation. British Journal of Haematology, 2018, 180, 118-133.	1.2	40
41	Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. Nature Communications, 2019, 10, 3635.	5.8	39
42	A Basis for Rapid Clearance of Circulating Ring-Stage Malaria Parasites by the Spiroindolone KAE609. Journal of Infectious Diseases, 2016, 213, 100-104.	1.9	35
43	An Integrated Lab-on-Chip for Rapid Identification and Simultaneous Differentiation of Tropical Pathogens. PLoS Neglected Tropical Diseases, 2014, 8, e3043.	1.3	33
44	Breadth of humoral response and antigenic targets of sporozoite-inhibitory antibodies associated with sterile protection induced by controlled human malaria infection. Cellular Microbiology, 2016, 18, 1739-1750.	1.1	33
45	The G6PD flow-cytometric assay is a reliable tool for diagnosis of G6PD deficiency in women and anaemic subjects. Scientific Reports, 2017, 7, 9822.	1.6	28
46	Strict tropism for CD71+/CD234+ human reticulocytes limits the zoonotic potential of Plasmodium cynomolgi. Blood, 2017, 130, 1357-1363.	0.6	27
47	A Scalable Suspension Platform for Generating High-Density Cultures of Universal Red Blood Cells from Human Induced Pluripotent Stem Cells. Stem Cell Reports, 2021, 16, 182-197.	2.3	27
48	Plasmodium vivax binds host CD98hc (SLC3A2) to enter immature red blood cells. Nature Microbiology, 2021, 6, 991-999.	5.9	26
49	Immunological history governs human stem cell memory CD4 heterogeneity via the Wnt signaling pathway. Nature Communications, 2020, 11, 821.	5.8	25
50	Experimental colonization with Blastocystis ST4 is associated with protective immune responses and modulation of gut microbiome in a DSS-induced colitis mouse model. Cellular and Molecular Life Sciences, 2022, 79, 245.	2.4	25
51	Methylene blue inhibits the asexual development of vivax malaria parasites from a region of increasing chloroquine resistance. Journal of Antimicrobial Chemotherapy, 2015, 70, 124-129.	1.3	23
52	Monocyte Subsets Have Distinct Patterns of Tetraspanin Expression and Different Capacities to Form Multinucleate Giant Cells. Frontiers in Immunology, 2018, 9, 1247.	2.2	23
53	Unambiguous determination of Plasmodium vivax reticulocyte invasion by flow cytometry. International Journal for Parasitology, 2016, 46, 31-39.	1.3	22
54	Long-Term Control of Simian Immunodeficiency Virus (SIV) in Cynomolgus Macaques Not Associated with Efficient SIV-Specific CD8⁺T-Cell Responses. Journal of Virology, 2015, 89, 3542-3556.	1.5	21

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55	Modulation of indoleamineâ€2,3â€dioxygenase expression and activity by HIVâ€1 in human macrophages. Fundamental and Clinical Pharmacology, 2009, 23, 573-581.	1.0	19
56	Field-Based Flow Cytometry for Ex Vivo Characterization of Plasmodium vivax and P. falciparum Antimalarial Sensitivity. Antimicrobial Agents and Chemotherapy, 2013, 57, 5170-5174.	1.4	18
57	Comparative effects of two type I interferons, human IFN-? and ovine IFN-? on indoleamine-2,3-dioxygenase in primary cultures of human macrophages. Fundamental and Clinical Pharmacology, 2007, 21, 29-34.	1.0	16
58	<scp>CD</scp>41 is a reliable identification and activation marker for murine basophils in the steady state and during helminth and malarial infections. European Journal of Immunology, 2014, 44, 1823-1834.	1.6	16
59	Immunization with the MAEBL M2 Domain Protects against Lethal Plasmodium yoelii Infection. Infection and Immunity, 2015, 83, 3781-3792.	1.0	16
60	Plasmodium-infected erythrocytes induce secretion of IGFBP7 to form type II rosettes and escape phagocytosis. ELife, 2020, 9, .	2.8	16
61	The unhealthy attraction of Plasmodium vivax to reticulocytes expressing transferrin receptor 1 (CD71). International Journal for Parasitology, 2017, 47, 379-383.	1.3	15
62	Molecular detection of P. vivax and P. ovale foci of infection in asymptomatic and symptomatic children in Northern Namibia. PLoS Neglected Tropical Diseases, 2019, 13, e0007290.	1.3	12
63	Comparison between Flow Cytometry, Microscopy, and Lactate Dehydrogenase-Based Enzyme-Linked Immunosorbent Assay for Plasmodium falciparum Drug Susceptibility Testing under Field Conditions. Journal of Clinical Microbiology, 2015, 53, 3296-3303.	1.8	10
64	Industrially Compatible Transfusable iPSC-Derived RBCs: Progress, Challenges and Prospective Solutions. International Journal of Molecular Sciences, 2021, 22, 9808.	1.8	9
65	Rodent Plasmodium-infected red blood cells: Imaging their fates and interactions within their hosts. Parasitology International, 2014, 63, 187-194.	0.6	8
66	Asian G6PD-Mahidol Reticulocytes Sustain Normal Plasmodium Vivax Development. Journal of Infectious Diseases, 2017, 216, 263-266.	1.9	8
67	Singaporeâ€™s Anopheles sinensis Form A is susceptible to Plasmodium vivax isolates from the western Thailandâ€“Myanmar border. Malaria Journal, 2017, 16, 465.	0.8	8
68	Zoonotic Malaria: Non-Laverania Plasmodium Biology and Invasion Mechanisms. Pathogens, 2021, 10, 889.	1.2	8
69	Suppressive activity of regulatory T cells correlates with high CD4+ T-cell counts and low T-cell activation during chronic simian immunodeficiency virus infection. Aids, 2011, 25, 585-593.	1.0	6
70	Ex Vivo Maturation Assay for Testing Antimalarial Sensitivity of Rodent Malaria Parasites. Antimicrobial Agents and Chemotherapy, 2016, 60, 6859-6866.	1.4	5
71	Recent Molecular Assessment of Plasmodium vivax and Plasmodium falciparum Asymptomatic Infections in Botswana. American Journal of Tropical Medicine and Hygiene, 2021, 104, 2159-2164.	0.6	5
72	Rodent Malaria Erythrocyte Preference Assessment by an Ex Vivo Tropism Assay. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680136.	1.8	5

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73	Multimodal assessments of Zika virus immune pathophysiological responses in marmosets. Scientific Reports, 2018, 8, 17125.	1.6	4
74	Children with Plasmodium vivax infection previously observed in Namibia, were Duffy negative and carried a c.136Gâ€‰>â€‰A mutation. BMC Infectious Diseases, 2021, 21, 856.	1.3	4
75	Plasmodium kinase disruption: new hopes for antiâ€malarial drug discovery. British Journal of Haematology, 2020, 188, 603-604.	1.2	1
76	Ultrastructural characterization of hostâ€“parasite interactions of Plasmodium coatneyi in rhesus macaques. Parasitology, 2022, 149, 1-35.	0.7	1
77	Reply to Over-celling fetal microbial exposure. Cell, 2021, 184, 5842-5844.	13.5	1
78	Reply to â€œFlow Cytometry for Antimalarial Drug Testing: More than Meets the Eyeâ€. Journal of Clinical Microbiology, 2016, 54, 818-819.	1.8	0