Laurent Renia

List of Publications by Year
in descending order

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304 papers	26,251 citations	6254 80 h-index	8630 146 g-index
334 all docs	334 docs citations	334 times ranked	36597 citing authors

#	Article	IF	Citations
1	The trinity of COVID-19: immunity, inflammation and intervention. Nature Reviews Immunology, 2020, 20, 363-374.	22.7	3,347
2	Spiroindolones, a Potent Compound Class for the Treatment of Malaria. Science, 2010, 329, 1175-1180.	12.6	1,031
3	IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses. Immunity, 2013, 38, 970-983.	14.3	703
4	Human Tissues Contain CD141hi Cross-Presenting Dendritic Cells with Functional Homology to Mouse CD103+ Nonlymphoid Dendritic Cells. Immunity, 2012, 37, 60-73.	14.3	643
5	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.	8.5	639
6	Protection against a Malaria Challenge by Sporozoite Inoculation. New England Journal of Medicine, 2009, 361, 468-477.	27.0	538
7	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.	14.5	475
8	Immunity, endothelial injury and complement-induced coagulopathy in COVID-19. Nature Reviews Nephrology, 2021, 17, 46-64.	9.6	444
9	Mapping the human DC lineage through the integration of high-dimensional techniques. Science, 2017, 356, .	12.6	429
10	Effects of a major deletion in the SARS-CoV-2 genome on the severity of infection and the inflammatory response: an observational cohort study. Lancet, The, 2020, 396, 603-611.	13.7	394
11	Targeting Plasmodium PI(4)K to eliminate malaria. Nature, 2013, 504, 248-253.	27.8	377
12	Two linear epitopes on the SARS-CoV-2 spike protein that elicit neutralising antibodies in COVID-19 patients. Nature Communications, 2020, 11, 2806.	12.8	362
13	TGF-Î² activity protects against inflammatory aortic aneurysm progression and complications in angiotensin IIâ€“infused mice. Journal of Clinical Investigation, 2010, 120, 422-432.	8.2	352
14	On the Pathogenic Role of Brain-Sequestered Î±Î² CD8+ T Cells in Experimental Cerebral Malaria. Journal of Immunology, 2002, 169, 6369-6375.	0.8	327
15	Hepatocyte CD81 is required for Plasmodium falciparum and Plasmodium yoelii sporozoite infectivity. Nature Medicine, 2003, 9, 93-96.	30.7	327
16	Dynamics of SARS-CoV-2 neutralising antibody responses and duration of immunity: a longitudinal study. Lancet Microbe, The, 2021, 2, e240-e249.	7.3	322
17	Persistent Arthralgia Induced by Chikungunya Virus Infection is Associated with Interleukin-6 and Granulocyte Macrophage Colony-Stimulating Factor. Journal of Infectious Diseases, 2011, 203, 149-157.	4.0	305
18	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	11.9	267

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19	On the Cytoadhesion ofPlasmodium vivaxâ€“Infected Erythrocytes. Journal of Infectious Diseases, 2010, 202, 638-647.	4.0	259
20	Induced-Pluripotent-Stem-Cell-Derived Primitive Macrophages Provide a Platform for Modeling Tissue-Resident Macrophage Differentiation and Function. Immunity, 2017, 47, 183-198.e6.	14.3	245
21	Active Infection of Human Blood Monocytes by Chikungunya Virus Triggers an Innate Immune Response. Journal of Immunology, 2010, 184, 5903-5913.	0.8	237
22	Serological Approaches for COVID-19: Epidemiologic Perspective on Surveillance and Control. Frontiers in Immunology, 2020, 11, 879.	4.8	218
23	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	27.8	216
24	Protective T Cell Immunity against Malaria Liver Stage after Vaccination with Live Sporozoites under Chloroquine Treatment. Journal of Immunology, 2004, 172, 2487-2495.	0.8	204
25	L-Arginine-dependent destruction of intrahepatic malaria parasites in response to tumor necrosis factor and/or interleukin 6 stimulation. European Journal of Immunology, 1991, 21, 227-230.	2.9	199
26	A Pathogenic Role for CD4+ T Cells during Chikungunya Virus Infection in Mice. Journal of Immunology, 2013, 190, 259-269.	0.8	196
27	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.	8.5	190
28	A Global Effort to Define the Human Genetics of Protective Immunity to SARS-CoV-2 Infection. Cell, 2020, 181, 1194-1199.	28.9	185
29	On the Diversity of Malaria Parasites in African Apes and the Origin of Plasmodium falciparum from Bonobos. PLoS Pathogens, 2010, 6, e1000765.	4.7	184
30	High-Throughput Ultrasensitive Molecular Techniques for Quantifying Low-Density Malaria Parasitemias. Journal of Clinical Microbiology, 2014, 52, 3303-3309.	3.9	181
31	Early neutralizing IgG response to Chikungunya virus in infected patients targets a dominant linear epitope on the E2 glycoprotein. EMBO Molecular Medicine, 2012, 4, 330-343.	6.9	177
32	A rapid and robust tri-color flow cytometry assay for monitoring malaria parasite development. Scientific Reports, 2011, 1, 118.	3.3	175
33	Involvement of IFN-Î³ receptor-mediated signaling in pathology and anti-malarial immunity induced by Plasmodium berghei infection. European Journal of Immunology, 2000, 30, 1646-1655.	2.9	168
34	Dual Role of CCR2 in the Constitution and the Resolution of Liver Fibrosis in Mice. American Journal of Pathology, 2009, 174, 1766-1775.	3.8	167
35	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.	2.3	163
36	Transferrin receptor 1 is a reticulocyte-specific receptor for Plasmodium vivax. Science, 2018, 359, 48-55.	12.6	158

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37	Plasmodium vivax: restricted tropism and rapid remodeling of CD71-positive reticulocytes. Blood, 2015, 125, 1314-1324.	1.4	157
38	Early Appearance of Neutralizing Immunoglobulin G3 Antibodies Is Associated With Chikungunya Virus Clearance and Long-term Clinical Protection. Journal of Infectious Diseases, 2012, 205, 1147-1154.	4.0	156
39	PD-1 Dependent Exhaustion of CD8+ T Cells Drives Chronic Malaria. Cell Reports, 2013, 5, 1204-1213.	6.4	147
40	Viral Dynamics and Immune Correlates of Coronavirus Disease 2019 (COVID-19) Severity. Clinical Infectious Diseases, 2021, 73, e2932-e2942.	5.8	143
41	Whole blood immunophenotyping uncovers immature neutrophil-to-VD2 T-cell ratio as an early marker for severe COVID-19. Nature Communications, 2020, 11, 5243.	12.8	138
42	Migrating monocytes recruited to the spleen play an important role in control of blood stage malaria. Blood, 2009, 114, 5522-5531.	1.4	137
43	An Essential Role of Antibodies in the Control of Chikungunya Virus Infection. Journal of Immunology, 2013, 190, 6295-6302.	0.8	135
44	Inflammatory Flt3l is essential to mobilize dendritic cells and for T cell responses during Plasmodium infection. Nature Medicine, 2013, 19, 730-738.	30.7	134
45	Zika Virus Infects Human Fetal Brain Microglia and Induces Inflammation. Clinical Infectious Diseases, 2017, 64, 914-920.	5.8	133
46	Brain microvessel crossâ€presentation is a hallmark of experimental cerebral malaria. EMBO Molecular Medicine, 2013, 5, 984-999.	6.9	131
47	Practical PCR genotyping protocols for Plasmodium vivax using Pvcs and Pvmsp1. Malaria Journal, 2005, 4, 20.	2.3	128
48	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.	2.5	127
49	Longitudinal Analysis of the Human Antibody Response to Chikungunya Virus Infection: Implications for Serodiagnosis and Vaccine Development. Journal of Virology, 2012, 86, 13005-13015.	3.4	125
50	Novel Point Mutations in the Dihydrofolate Reductase Gene of Plasmodium vivax : Evidence for Sequential Selection by Drug Pressure. Antimicrobial Agents and Chemotherapy, 2003, 47, 1514-1521.	3.2	124
51	Invasion of host cells by malaria parasites: a tale of two protein families. Molecular Microbiology, 2007, 65, 231-249.	2.5	122
52	KAF156 Is an Antimalarial Clinical Candidate with Potential for Use in Prophylaxis, Treatment, and Prevention of Disease Transmission. Antimicrobial Agents and Chemotherapy, 2014, 58, 5060-5067.	3.2	122
53	A reliable ex vivo invasion assay of human reticulocytes by Plasmodium vivax. Blood, 2011, 118, e74-e81.	1.4	120
54	Linear B-cell epitopes in the spike and nucleocapsid proteins as markers of SARS-CoV-2 exposure and disease severity. EBioMedicine, 2020, 58, 102911.	6.1	120

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55	Cerebral malaria. Virulence, 2012, 3, 193-201.	4.4	118
56	A malaria heat-shock-like determinant expressed on the infected hepatocyte surface is the target of antibody-dependent cell-mediated cytotoxic mechanisms by nonparenchymal liver cells. European Journal of Immunology, 1990, 20, 1445-1449.	2.9	117
57	CCR5 deficiency decreases susceptibility to experimental cerebral malaria. Blood, 2003, 101, 4253-4259.	1.4	116
58	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	2.5	114
59	Convalescent COVID-19 patients are susceptible to endothelial dysfunction due to persistent immune activation. ELife, 2021, 10, .	6.0	113
60	Liverâ€Stage Development ofPlasmodium falciparum,in a Humanized Mouse Model. Journal of Infectious Diseases, 2006, 193, 996-1004.	4.0	112
61	The CTLA-4 and PD-1/PD-L1 Inhibitory Pathways Independently Regulate Host Resistance to Plasmodium-induced Acute Immune Pathology. PLoS Pathogens, 2012, 8, e1002504.	4.7	110
62	Bone marrow transplantation in mice leads to a minor population of hepatocytes that can be selectively amplified in vivo. Hepatology, 2002, 35, 799-804.	7.3	109
63	The relevance of non-human primate and rodent malaria models for humans. Malaria Journal, 2011, 10, 23.	2.3	109
64	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. Journal of Experimental Medicine, 2016, 213, 2293-2314.	8.5	108
65	Pathogenic T cells in cerebral malaria. International Journal for Parasitology, 2006, 36, 547-554.	3.1	107
66	High Deformability ofPlasmodium vivaxâ€“Infected Red Blood Cells under Microfluidic Conditions. Journal of Infectious Diseases, 2009, 199, 445-450.	4.0	107
67	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.	8.4	105
68	UDP-galactose and acetyl-CoA transporters as Plasmodium multidrug resistance genes. Nature Microbiology, 2016, 1, 16166.	13.3	102
69	A Specific PfEMP1 Is Expressed in P.Âfalciparum Sporozoites and Plays a Role in Hepatocyte Infection. Cell Reports, 2018, 22, 2951-2963.	6.4	99
70	Malaria sporozoite penetration A new approach by double staining. Journal of Immunological Methods, 1988, 112, 201-205.	1.4	96
71	Malaria Parasites: The Great Escape. Frontiers in Immunology, 2016, 7, 463.	4.8	96
72	Type I IFN signaling in CD8â€“ DCs impairs Th1-dependent malaria immunity. Journal of Clinical Investigation, 2014, 124, 2483-2496.	8.2	96

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73	Caribbean and La RÃ©union Chikungunya Virus Isolates Differ in Their Capacity To Induce Proinflammatory Th1 and NK Cell Responses and Acute Joint Pathology. Journal of Virology, 2015, 89, 7955-7969.	3.4	95
74	Cutting Edge: Clec9A+ Dendritic Cells Mediate the Development of Experimental Cerebral Malaria. Journal of Immunology, 2012, 189, 1128-1132.	0.8	94
75	Activated Brain Endothelial Cells Cross-Present Malaria Antigen. PLoS Pathogens, 2015, 11, e1004963.	4.7	93
76	In vivo induction of the nitric oxide pathway in hepatocytes after injection with irradiated malaria sporozoites, malaria blood parasites or adjuvants. European Journal of Immunology, 1993, 23, 882-887.	2.9	92
77	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. Immunity, 2016, 45, 333-345.	14.3	92
78	COVID-19 vaccines and kidney disease. Nature Reviews Nephrology, 2021, 17, 291-293.	9.6	91
79	Brutonâ€™s Tyrosine Kinase Phosphorylates DDX41 and Activates Its Binding of dsDNA and STING to Initiate Type 1 Interferon Response. Cell Reports, 2015, 10, 1055-1065.	6.4	89
80	Chikungunya Virus Neutralization Antigens and Direct Cell-to-Cell Transmission Are Revealed by Human Antibody-Escape Mutants. PLoS Pathogens, 2011, 7, e1002390.	4.7	88
81	Effective and cheap removal of leukocytes and platelets from Plasmodium vivax infected blood. Malaria Journal, 2009, 8, 115.	2.3	86
82	A pre-emptive strike against malaria's stealthy hepatic forms. Nature Reviews Drug Discovery, 2009, 8, 854-864.	46.4	83
83	Specific Biomarkers Associated With Neurological Complications and Congenital Central Nervous System Abnormalities From Zika Virusâ€“Infected Patients in Brazil. Journal of Infectious Diseases, 2017, 216, 172-181.	4.0	82
84	Loss of TLR3 aggravates CHIKV replication and pathology due to an altered virusâ€specific neutralizing antibody response. EMBO Molecular Medicine, 2015, 7, 24-41.	6.9	81
85	Sterile Protection against Malaria Is Independent of Immune Responses to the Circumsporozoite Protein. PLoS ONE, 2007, 2, e1371.	2.5	81
86	Pathogenic CD8+ T cells in experimental cerebral malaria. Seminars in Immunopathology, 2015, 37, 221-231.	6.1	80
87	Vaccination with LivePlasmodium yoeliiBlood Stage Parasites under Chloroquine Cover Induces Cross-Stage Immunity against Malaria Liver Stage. Journal of Immunology, 2008, 181, 8552-8558.	0.8	79
88	A Practical Approach to Immunotherapy of Hepatocellular Carcinoma Using T Cells Redirected Against Hepatitis B Virus. Molecular Therapy - Nucleic Acids, 2013, 2, e114.	5.1	79
89	Plasmodium berghei-Infected Primary Hepatocytes Process and Present the Circumsporozoite Protein to Specific CD8+ T Cells In Vitro. Journal of Immunology, 2007, 178, 7054-7063.	0.8	77
90	Persistent Symptoms and Association With Inflammatory Cytokine Signatures in Recovered Coronavirus Disease 2019 Patients. Open Forum Infectious Diseases, 2021, 8, ofab156.	0.9	77

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91	Distinct Trafficking and Localization of STEVOR Proteins in Three Stages of the Plasmodium falciparum Life Cycle. Infection and Immunity, 2004, 72, 6597-6602.	2.2	76
92	Recombinant Human IFN-Î± Inhibits Cerebral Malaria and Reduces Parasite Burden in Mice. Journal of Immunology, 2007, 178, 6416-6425.	0.8	74
93	Cross-reactive dengue human monoclonal antibody prevents severe pathologies and death from Zika virus infections. JCI Insight, 2017, 2, .	5.0	74
94	Immuno-biology of Chikungunya and implications for disease intervention. Microbes and Infection, 2009, 11, 1186-1196.	1.9	73
95	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.	1.8	71
96	Structural insight into SARS-CoV-2 neutralizing antibodies and modulation of syncytia. Cell, 2021, 184, 3192-3204.e16.	28.9	68
97	Predominance of CD4 Th1 and CD8 Tc1 Cells Revealed by Characterization of the Cellular Immune Response Generated by Immunization with a DNA Vaccine Containing aTrypanosoma cruziGene. Infection and Immunity, 1999, 67, 3855-3863.	2.2	67
98	IFN-Î³ Mediates the Rejection of Haematopoietic Stem Cells in IFN-Î³R1-Deficient Hosts. PLoS Medicine, 2008, 5, e26.	8.4	67
99	Chagasic patients develop a type 1 immune response to Trypanosoma cruzi trans-sialidase. Parasite Immunology, 2000, 22, 49-53.	1.5	64
100	Tissue-Resident CD169 + Macrophages Form a Crucial Front Line against Plasmodium Infection. Cell Reports, 2016, 16, 1749-1761.	6.4	64
101	Iron- and inflammation-induced hepcidin gene expression in mice is not mediated by Kupffer cellsin vivo. Hepatology, 2005, 41, 1056-1064.	7.3	62
102	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. Journal of Investigative Dermatology, 2016, 136, 416-424.	0.7	62
103	Sticking for a Cause: The Falciparum Malaria Parasites Cytoadherence Paradigm. Frontiers in Immunology, 2019, 10, 1444.	4.8	62
104	Loss of FADD protein expression results in a biased Fas-signaling pathway and correlates with the development of tumoral status in thyroid follicular cells. Oncogene, 2003, 22, 2795-2804.	5.9	61
105	The association of hypertension and diabetes pharmacotherapy with COVID-19 severity and immune signatures: an observational study. European Heart Journal - Cardiovascular Pharmacotherapy, 2021, 7, e48-e51.	3.0	61
106	Invasion-Inhibitory Antibodies Elicited by Immunization with Plasmodium vivax Apical Membrane Antigen-1 Expressed in Pichia pastoris Yeast. Infection and Immunity, 2014, 82, 1296-1307.	2.2	59
107	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. Journal of Experimental Medicine, 2022, 219, .	8.5	59
108	Fingolimod treatment abrogates chikungunya virusâ€“induced arthralgia. Science Translational Medicine, 2017, 9, .	12.4	57

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109	Resistance and Susceptibility to Filarial Infectionwith Litomosoides sigmodontis Are Associated with EarlyDifferences in Parasite Development and in Localized ImmuneReactions. Infection and Immunity, 2003, 71, 6820-6829.	2.2	55
110	Distinct Role for CD8 T Cells toward Cutaneous Tumors and Visceral Metastases. Journal of Immunology, 2008, 180, 130-137.	0.8	55
111	Paucity of Plasmodium vivax Mature Schizonts in Peripheral Blood Is Associated With Their Increased Cytoadhesive Potential. Journal of Infectious Diseases, 2014, 209, 1403-1407.	4.0	55
112	Inhibitory activity of IL-6 on malaria hepatic stages. Parasite Immunology, 1991, 13, 211-217.	1.5	54
113	TNF inhibits malaria hepatic stages in vitro via synthesis of IL-6. International Immunology, 1991, 3, 317-321.	4.0	54
114	Spontaneous Vitiligo in an Animal Model for Human Melanoma. Cancer Research, 2004, 64, 1496-1501.	0.9	53
115	Chloroquine resistant vivax malaria in a pregnant woman on the western border of Thailand. Malaria Journal, 2011, 10, 113.	2.3	53
116	Severity of Plasma Leakage Is Associated With High Levels of Interferon Î³â€“Inducible Protein 10, Hepatocyte Growth Factor, Matrix Metalloproteinase 2 (MMP-2), and MMP-9 During Dengue Virus Infection. Journal of Infectious Diseases, 2017, 215, 42-51.	4.0	51
117	Amplicon-Based Detection and Sequencing of SARS-CoV-2 in Nasopharyngeal Swabs from Patients With COVID-19 and Identification of Deletions in the Viral Genome That Encode Proteins Involved in Interferon Antagonism. Viruses, 2020, 12, 1164.	3.3	51
118	Vaccination against filarial nematodes with irradiated larvae provides long-term protection against the third larval stage but not against subsequent life cycle stages. International Journal for Parasitology, 2006, 36, 903-914.	3.1	50
119	Expanding Regulatory T Cells Alleviates Chikungunya Virus-Induced Pathology in Mice. Journal of Virology, 2015, 89, 7893-7904.	3.4	49
120	Four human Plasmodium species quantification using droplet digital PCR. PLoS ONE, 2017, 12, e0175771.	2.5	49
121	Structural basis for inhibition of Plasmodium vivax invasion by a broadly neutralizing vaccine-induced human antibody. Nature Microbiology, 2019, 4, 1497-1507.	13.3	48
122	Hepatic spheroids used as an in vitro model to study malaria relapse. Biomaterials, 2019, 216, 119221.	11.4	48
123	Cross-presentation by dendritic cells from live cells induces protective immune responses in vivo. Blood, 2010, 115, 4412-4420.	1.4	47
124	On the pathogenesis of Plasmodium vivax malaria: Perspectives from the Brazilian field. International Journal for Parasitology, 2012, 42, 1099-1105.	3.1	47
125	Organ-Specific Fate, Recruitment, and Refilling Dynamics of Tissue-Resident Macrophages during Blood-Stage Malaria. Cell Reports, 2018, 25, 3099-3109.e3.	6.4	47
126	Antibodies against MAEBL Ligand Domains M1 and M2 Inhibit Sporozoite Development In Vitro. Infection and Immunity, 2004, 72, 3604-3608.	2.2	46

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127	Damage to the Blood-Brain Barrier during Experimental Cerebral Malaria Results from Synergistic Effects of CD8⁺T Cells with Different Specificities. Infection and Immunity, 2014, 82, 4854-4864.	2.2	46
128	Inhibitory Effect of TNF-Î± on Malaria Pre-Erythrocytic Stage Development: Influence of Host Hepatocyte/Parasite Combinations. PLoS ONE, 2011, 6, e17464.	2.5	46
129	Experimental model for human intestinal microsporidiosis in interferon gamma receptor knockout mice infected by Encephalitozoon intestinalis. Parasite Immunology, 1996, 18, 387-392.	1.5	45
130	SCL/TAL1 expression level regulates human hematopoietic stem cell self-renewal and engraftment. Blood, 2005, 106, 2318-2328.	1.4	45
131	Both Functional LTÎ² Receptor and TNF Receptor 2 Are Required for the Development of Experimental Cerebral Malaria. PLoS ONE, 2008, 3, e2608.	2.5	44
132	Cryopreserved Plasmodium vivax and cord blood reticulocytes can be used for invasion and short term culture. International Journal for Parasitology, 2012, 42, 155-160.	3.1	44
133	Glycophorin C (CD236R) mediates vivax malaria parasite rosetting to normocytes. Blood, 2014, 123, e100-e109.	1.4	44
134	Preclinical Assessment of Viral Vectored and Protein Vaccines Targeting the Duffy-Binding Protein Region II of Plasmodium Vivax. Frontiers in Immunology, 2015, 6, 348.	4.8	44
135	Keras R-CNN: library for cell detection in biological images using deep neural networks. BMC Bioinformatics, 2020, 21, 300.	2.6	44
136	Peptide-primed CD4+ cells and malaria sporozoites. Immunology Letters, 1990, 25, 59-63.	2.5	43
137	Histone Methyltransferase Inhibitors Are Orally Bioavailable, Fast-Acting Molecules with Activity against Different Species Causing Malaria in Humans. Antimicrobial Agents and Chemotherapy, 2015, 59, 950-959.	3.2	43
138	Conservation and Developmental Control of Alternative Splicing in maebl Among Malaria Parasites. Journal of Molecular Biology, 2004, 343, 589-599.	4.2	41
139	A global effort to dissect the human genetic basis of resistance to SARS-CoV-2 infection. Nature Immunology, 2022, 23, 159-164.	14.5	41
140	Minimal Role for the Circumsporozoite Protein in the Induction of Sterile Immunity by Vaccination with Live Rodent Malaria Sporozoites. Infection and Immunity, 2010, 78, 2182-2188.	2.2	40
141	Human ex vivo studies on asexual Plasmodium vivax: The best way forward. International Journal for Parasitology, 2012, 42, 1063-1070.	3.1	40
142	Quantitative mass spectrometry of human reticulocytes reveal proteomeâ€wide modifications during maturation. British Journal of Haematology, 2018, 180, 118-133.	2.5	40
143	Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. Nature Communications, 2019, 10, 3635.	12.8	39
144	Antibody-mediated enhancement aggravates chikungunya virus infection and disease severity. Scientific Reports, 2018, 8, 1860.	3.3	38

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145	Immune responses to defined epitopes of the circumsporozoite protein of the murine malaria parasite,Plasmodium yoelii. European Journal of Immunology, 1990, 20, 1215-1222.	2.9	37
146	Sensitive detection of total anti-Spike antibodies and isotype switching in asymptomatic and symptomatic individuals with COVID-19. Cell Reports Medicine, 2021, 2, 100193.	6.5	37
147	Expression of the Erythrocyteâ€Binding Antigen 175 in Sporozoites and in Liver Stages ofPlasmodium falciparum. Journal of Infectious Diseases, 2001, 184, 892-897.	4.0	36
148	Chemokine Receptor CCR2 Is Not Essential for the Development of Experimental Cerebral Malaria. Infection and Immunity, 2003, 71, 3648-3651.	2.2	36
149	Are Extensive T Cell Epitope Polymorphisms in thePlasmodium falciparumCircumsporozoite Antigen, a Leading Sporozoite Vaccine Candidate, Selected by Immune Pressure?. Journal of Immunology, 2005, 175, 3935-3939.	0.8	36
150	A Role for Immune Responses against Non-CS Components in the Cross-Species Protection Induced by Immunization with Irradiated Malaria Sporozoites. PLoS ONE, 2009, 4, e7717.	2.5	36
151	Cerebral malaria: in praise of epistemes. Trends in Parasitology, 2010, 26, 275-277.	3.3	36
152	Small Molecule Targeting Malaria Merozoite Surface Protein-1 (MSP-1) Prevents Host Invasion of Divergent Plasmodial Species. Journal of Infectious Diseases, 2014, 210, 1616-1626.	4.0	36
153	Vaccination With Sporozoites: Models and Correlates of Protection. Frontiers in Immunology, 2019, 10, 1227.	4.8	36
154	Lung endothelial cell antigen cross-presentation to CD8+T cells drives malaria-associated lung injury. Nature Communications, 2019, 10, 4241.	12.8	36
155	Asymptomatic COVIDâ€19: disease tolerance with efficient antiâ€viral immunity against SARSâ€CoVâ€2. EMBO Molecular Medicine, 2021, 13, e14045.	6.9	36
156	Hepatic phase of malaria is the target of cellular mechanisms induced by the previous and the subsequent stages. A crucial role for liver nonparenchymal cells. Immunology Letters, 1990, 25, 65-70.	2.5	35
157	Primary Infection of C57BL/6 Mice withPlasmodium yoeliiInduces a Heterogeneous Response of NKT Cells. Infection and Immunity, 2007, 75, 2511-2522.	2.2	35
158	A Basis for Rapid Clearance of Circulating Ring-Stage Malaria Parasites by the Spiroindolone KAE609. Journal of Infectious Diseases, 2016, 213, 100-104.	4.0	35
159	Dual modal ultra-bright nanodots with aggregation-induced emission and gadolinium-chelation for vascular integrity and leakage detection. Biomaterials, 2018, 152, 77-85.	11.4	34
160	An Integrated Lab-on-Chip for Rapid Identification and Simultaneous Differentiation of Tropical Pathogens. PLoS Neglected Tropical Diseases, 2014, 8, e3043.	3.0	33
161	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.	2.1	33
162	Fever Patterns, Cytokine Profiles, and Outcomes in COVID-19. Open Forum Infectious Diseases, 2020, 7, ofaa375.	0.9	33

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163	Macrocyclization of an all-<scp>d</scp> linear Î±-helical peptide imparts cellular permeability. Chemical Science, 2020, 11, 5577-5591.	7.4	33
164	A method for the quantitative assessment of malaria parasite development in organs of the mammalian host. Molecular and Biochemical Parasitology, 1996, 77, 127-135.	1.1	32
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