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List of Publications by Year
in descending order

129 papers	8,067 citations	38742 50 h-index	54911 84 g-index
132 all docs	132 docs citations	132 times ranked	7814 citing authors

#	Article	IF	Citations
1	Heme oxygenase-1 and carbon monoxide suppress the pathogenesis of experimental cerebral malaria. Nature Medicine, 2007, 13, 703-710.	30.7	488
2	The silent path to thousands of merozoites: the Plasmodium liver stage. Nature Reviews Microbiology, 2006, 4, 849-856.	28.6	394
3	From The Cover: Murine malaria parasite sequestration: CD36 is the major receptor, but cerebral pathology is unlinked to sequestration. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11468-11473.	7.1	283
4	Host-cell sensors for Plasmodium activate innate immunity against liver-stage infection. Nature Medicine, 2014, 20, 47-53.	30.7	256
5	Genetically attenuated, P36p-deficient malarial sporozoites induce protective immunity and apoptosis of infected liver cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12194-12199.	7.1	245
6	Malaria Blood Stage Suppression of Liver Stage Immunity by Dendritic Cells. Journal of Experimental Medicine, 2003, 197, 143-151.	8.5	226
7	Host-mediated regulation of superinfection in malaria. Nature Medicine, 2011, 17, 732-737.	30.7	212
8	Visualisation and Quantitative Analysis of the Rodent Malaria Liver Stage by Real Time Imaging. PLoS ONE, 2009, 4, e7881.	2.5	205
9	A Microscale Human Liver Platform that Supports the Hepatic Stages of Plasmodium falciparum and vivax. Cell Host and Microbe, 2013, 14, 104-115.	11.0	195
10	Migration through host cells activates Plasmodium sporozoites for infection. Nature Medicine, 2002, 8, 1318-1322.	30.7	172
11	Host Scavenger Receptor SR-BI Plays a Dual Role in the Establishment of Malaria Parasite Liver Infection. Cell Host and Microbe, 2008, 4, 271-282.	11.0	162
12	Nutrient sensing modulates malaria parasite virulence. Nature, 2017, 547, 213-216.	27.8	146
13	Accumulation of<i>Plasmodium berghei</i>-Infected Red Blood Cells in the Brain Is Crucial for the Development of Cerebral Malaria in Mice. Infection and Immunity, 2010, 78, 4033-4039.	2.2	145
14	Hepatocyte growth factor and its receptor are required for malaria infection. Nature Medicine, 2003, 9, 1363-1369.	30.7	133
15	Liver-stage malaria parasites vulnerable to diverse chemical scaffolds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8511-8516.	7.1	132
16	Heme Oxygenase-1 Is an Anti-Inflammatory Host Factor that Promotes Murine Plasmodium Liver Infection. Cell Host and Microbe, 2008, 3, 331-338.	11.0	127
17	Micropatterned coculture of primary human hepatocytes and supportive cells for the study of hepatotropic pathogens. Nature Protocols, 2015, 10, 2027-2053.	12.0	119
18	The relevance of non-human primate and rodent malaria models for humans. Malaria Journal, 2011, 10, 23.	2.3	109

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19	Human iPSC-Derived Hepatocyte-like Cells Support Plasmodium Liver-Stage Infection InÂVitro. Stem Cell Reports, 2015, 4, 348-359.	4.8	109
20	A toolbox to study liver stage malaria. Trends in Parasitology, 2011, 27, 565-574.	3.3	106
21	Host Cell Phosphatidylcholine Is a Key Mediator of Malaria Parasite Survival during Liver Stage Infection. Cell Host and Microbe, 2014, 16, 778-786.	11.0	104
22	Host cell transcriptional profiling during malaria liver stage infection reveals a coordinated and sequential set of biological events. BMC Genomics, 2009, 10, 270.	2.8	101
23	HGF/MET signalling protects Plasmodium-infected host cells from apoptosis. Cellular Microbiology, 2005, 7, 603-609.	2.1	100
24	FluorescentPlasmodium bergheisporozoites and pre-erythrocytic stages: a new tool to study mosquito and mammalian host interactions with malaria parasites. Cellular Microbiology, 2001, 3, 371-379.	2.1	98
25	Drug Screen Targeted at Plasmodium Liver Stages Identifies a Potent Multistage Antimalarial Drug. Journal of Infectious Diseases, 2012, 205, 1278-1286.	4.0	97
26	Adenylyl Cyclase Î± and cAMP Signaling Mediate Plasmodium Sporozoite Apical Regulated Exocytosis and Hepatocyte Infection. PLoS Pathogens, 2008, 4, e1000008.	4.7	95
27	A Novel Carbon Monoxide-Releasing Molecule Fully Protects Mice from Severe Malaria. Antimicrobial Agents and Chemotherapy, 2012, 56, 1281-1290.	3.2	92
28	Kinome-Wide RNAi Screen Implicates at Least 5 Host Hepatocyte Kinases in Plasmodium Sporozoite Infection. PLoS Pathogens, 2008, 4, e1000201.	4.7	90
29	VEGF Promotes Malaria-Associated Acute Lung Injury in Mice. PLoS Pathogens, 2010, 6, e1000916.	4.7	89
30	Adipose Tissue: A Safe Haven for Parasites?. Trends in Parasitology, 2017, 33, 276-284.	3.3	84
31	Transition of Plasmodium Sporozoites into Liver Stage-Like Forms Is Regulated by the RNA Binding Protein Pumilio. PLoS Pathogens, 2011, 7, e1002046.	4.7	82
32	The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. Science Translational Medicine, 2015, 7, 288ra77.	12.4	82
33	Plasmodium UIS3 sequesters host LC3 to avoid elimination by autophagy in hepatocytes. Nature Microbiology, 2018, 3, 17-25.	13.3	81
34	<i>Plasmodium chabaudi</i> -Infected Erythrocytes Adhere to CD36 and Bind to Microvascular Endothelial Cells in an Organ-Specific Way. Infection and Immunity, 2000, 68, 4135-4144.	2.2	78
35	ApoptoticPlasmodiumâ€Infected Hepatocytes Provide Antigens to Liver Dendritic Cells. Journal of Infectious Diseases, 2005, 191, 1576-1581.	4.0	74
36	Targeting the Liver Stage of Malaria Parasites: A Yet Unmet Goal. Journal of Medicinal Chemistry, 2012, 55, 995-1012.	6.4	73

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37	Torins are potent antimalarials that block replenishment of <i>Plasmodium</i> liver stage parasitophorous vacuole membrane proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2838-47.	7.1	73
38	Dissecting in vitro host cell infection by Plasmodium sporozoites using flow cytometry. Cellular Microbiology, 2007, 10, 070816152918001-???.	2.1	69
39	Gold nanoparticle-based fluorescence immunoassay for malaria antigen detection. Analytical and Bioanalytical Chemistry, 2012, 402, 1019-1027.	3.7	69
40	Genetically attenuated P36p-deficient Plasmodium berghei sporozoites confer long-lasting and partial cross-species protection. International Journal for Parasitology, 2007, 37, 1511-1519.	3.1	68
41	The IFN-Î³-Inducible GTPase, Irga6, Protects Mice against Toxoplasma gondii but Not against Plasmodium berghei and Some Other Intracellular Pathogens. PLoS ONE, 2011, 6, e20568.	2.5	68
42	Parasite Sensing of Host Nutrients and Environmental Cues. Cell Host and Microbe, 2018, 23, 749-758.	11.0	68
43	Design and Evaluation of Primaquine-Artemisinin Hybrids as a Multistage Antimalarial Strategy. Antimicrobial Agents and Chemotherapy, 2011, 55, 4698-4706.	3.2	65
44	Improved transfection and new selectable markers for the rodent malaria parasite Plasmodium yoelii. Molecular and Biochemical Parasitology, 2006, 146, 242-250.	1.1	62
45	Host cell autophagy contributes to <i>Plasmodium</i> liver development. Cellular Microbiology, 2016, 18, 437-450.	2.1	60
46	Incorporation of Basic Side Chains into Cryptolepine Scaffold: Structureâ^'Antimalarial Activity Relationships and Mechanistic Studies. Journal of Medicinal Chemistry, 2011, 54, 734-750.	6.4	57
47	Interactions of the malaria parasite and its mammalian host. Current Opinion in Microbiology, 2008, 11, 352-359.	5.1	56
48	Cerebral malaria and the hemolysis/methemoglobin/heme hypothesis: Shedding new light on an old disease. International Journal of Biochemistry and Cell Biology, 2009, 41, 711-716.	2.8	56
49	Gene targeting in the rodent malaria parasite Plasmodium yoelii. Molecular and Biochemical Parasitology, 2001, 113, 271-278.	1.1	55
50	Innate Immunity Induced by Plasmodium Liver Infection Inhibits Malaria Reinfections. Infection and Immunity, 2015, 83, 1172-1180.	2.2	55
51	The Next Opportunity in Anti-Malaria Drug Discovery: The Liver Stage. PLoS Pathogens, 2011, 7, e1002178.	4.7	54
52	Superinfection in malaria: <i>Plasmodium</i> shows its iron will. EMBO Reports, 2011, 12, 1233-1242.	4.5	53
53	PSLAP, a protein with multiple adhesive motifs, is expressed in Plasmodium falciparum gametocytes. Molecular and Biochemical Parasitology, 2002, 121, 11-20.	1.1	51
54	Hypoxia promotes liver stage malaria infection in primary human hepatocytes in vitro. DMM Disease Models and Mechanisms, 2014, 7, 215-24.	2.4	47

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55	Invasion of mammalian host cells byPlasmodium sporozoites. BioEssays, 2002, 24, 149-156.	2.5	46
56	Parasiteâ€induced <scp>ER</scp> stress response in hepatocytes facilitates <i>Plasmodium</i> liver stage infection. EMBO Reports, 2015, 16, 955-964.	4.5	46
57	Dietary alterations modulate susceptibility to Plasmodium infection. Nature Microbiology, 2017, 2, 1600-1607.	13.3	46
58	A vacuolar iron-transporter homologue acts as a detoxifier in Plasmodium. Nature Communications, 2016, 7, 10403.	12.8	45
59	<i>Plasmodium berghei</i> EXP-1 interacts with host Apolipoprotein H during <i>Plasmodium</i> liver-stage development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1138-E1147.	7.1	43
60	Antimalarial drugs â€“ host targets (re)visited. Biotechnology Journal, 2006, 1, 321-332.	3.5	41
61	Novel Endoperoxide-Based Transmission-Blocking Antimalarials with Liver- and Blood-Schizontocidal Activities. ACS Medicinal Chemistry Letters, 2014, 5, 108-112.	2.8	40
62	Crystal Structure of Arginase from <i>Plasmodium falciparum</i> and Implications for <scp>l</scp>-Arginine Depletion in Malarial Infection,. Biochemistry, 2010, 49, 5600-5608.	2.5	39
63	Use of a Selective Inhibitor To Define the Chemotherapeutic Potential of the Plasmodial Hexose Transporter in Different Stages of the Parasite's Life Cycle. Antimicrobial Agents and Chemotherapy, 2011, 55, 2824-2830.	3.2	39
64	Migration through host cells: the first steps of Plasmodium sporozoites in the mammalian host. Cellular Microbiology, 2004, 6, 1113-1118.	2.1	38
65	A Novel Flow Cytometric Hemozoin Detection Assay for Real-Time Sensitivity Testing of Plasmodium falciparum. PLoS ONE, 2013, 8, e61606.	2.5	37
66	Host AMPK Is a Modulator of Plasmodium Liver Infection. Cell Reports, 2016, 16, 2539-2545.	6.4	37
67	Infection by Plasmodium changes shape and stiffness of hepatic cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 17-19.	3.3	36
68	Imidazoquines as Antimalarial and Antipneumocystis Agents. Journal of Medicinal Chemistry, 2009, 52, 7800-7807.	6.4	35
69	Plasmodium Cysteine Repeat Modular Proteins 3 and 4 are essential for malaria parasite transmission from the mosquito to the host. Malaria Journal, 2011, 10, 71.	2.3	35
70	<i>In Vivo</i> Hemozoin Kinetics after Clearance of <i>Plasmodium berghei</i> Infection in Mice. Malaria Research and Treatment, 2012, 2012, 1-9.	2.0	35
71	Quantification of Sporozoite Invasion, Migration, and Development by Microscopy and Flow Cytometry. Methods in Molecular Biology, 2012, 923, 385-400.	0.9	35
72	Innate recognition of malarial parasites by mammalian hosts. International Journal for Parasitology, 2012, 42, 557-566.	3.1	34

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73	Î³Î´-T cells promote IFN-Î³â€“dependent<i>Plasmodium</i>pathogenesis upon liver-stage infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9979-9988.	7.1	34
74	Identification of the class XIV myosins Pb-MyoA and Py-MyoA and expression in Plasmodium sporozoites. Molecular and Biochemical Parasitology, 2001, 112, 157-161.	1.1	32
75	A Plasmodium berghei sporozoite-based vaccination platform against human malaria. Npj Vaccines, 2018, 3, 33.	6.0	32
76	Migration through host cells by apicomplexan parasites. Microbes and Infection, 2001, 3, 1123-1128.	1.9	31
77	Survival of protozoan intracellular parasites in host cells. EMBO Reports, 2004, 5, 1142-1147.	4.5	29
78	Chemical Interrogation of the Malaria Kinome. ChemBioChem, 2014, 15, 1920-1930.	2.6	29
79	Malaria infections: What and how can mice teach us. Journal of Immunological Methods, 2014, 410, 113-122.	1.4	29
80	A Small Molecule Inhibitor of Signal Peptide Peptidase Inhibits Plasmodium Development in the Liver and Decreases Malaria Severity. PLoS ONE, 2009, 4, e5078.	2.5	27
81	Targeting Host Factors to Circumvent Anti-Malarial Drug Resistance. Current Pharmaceutical Design, 2013, 19, 290-299.	1.9	27
82	Simple flow cytometric detection of haemozoin containing leukocytes and erythrocytes for research on diagnosis, immunology and drug sensitivity testing. Malaria Journal, 2011, 10, 74.	2.3	26
83	Plasmodium berghei parasite transformed with green fluorescent protein for screening blood schizontocidal agents. International Journal for Parasitology, 2004, 34, 485-490.	3.1	23
84	Cross-Species Immunity in Malaria Vaccine Development: Two, Three, or Even Four for the Price of One?. Infection and Immunity, 2008, 76, 873-878.	2.2	23
85	Towards a Humanized Mouse Model of Liver Stage Malaria Using Ectopic Artificial Livers. Scientific Reports, 2017, 7, 45424.	3.3	23
86	Targeting liver stage malaria with metformin. JCI Insight, 2019, 4, .	5.0	23
87	Plasmodium yoelii: Efficient in Vitro Invasion and Complete Development of Sporozoites in Mouse Hepatic Cell Lines. Experimental Parasitology, 2000, 96, 257-259.	1.2	22
88	Highly Dynamic Host Actin Reorganization around Developing Plasmodium Inside Hepatocytes. PLoS ONE, 2012, 7, e29408.	2.5	22
89	Bone marrow chimeric mice reveal a dual role for CD36 in Plasmodium berghei ANKA infection. Malaria Journal, 2007, 6, 32.	2.3	21
90	Quinolin-4(1<i>H</i>)-imines are Potent Antiplasmodial Drugs Targeting the Liver Stage of Malaria. Journal of Medicinal Chemistry, 2013, 56, 4811-4815.	6.4	21

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91	Unveiling the pathogen behind the vacuole. Nature Reviews Microbiology, 2015, 13, 589-598.	28.6	21
92	Early skin immunological disturbance after Plasmodium-infected mosquito bites. Cellular Immunology, 2012, 277, 22-32.	3.0	20
93	Microbiota, a Third Player in the Hostâ€“Plasmodium Affair. Trends in Parasitology, 2020, 36, 11-18.	3.3	20
94	Genistein-Supplemented Diet Decreases Malaria Liver Infection in Mice and Constitutes a Potential Prophylactic Strategy. PLoS ONE, 2008, 3, e2732.	2.5	20
95	Assessment of Dual Life Stage Antiplasmodial Activity of British Seaweeds. Marine Drugs, 2013, 11, 4019-4034.	4.6	19
96	IL-1Î± promotes liver inflammation and necrosis during blood-stage Plasmodium chabaudi malaria. Scientific Reports, 2019, 9, 7575.	3.3	19
97	Antibody Recognition of Rodent Malaria Parasite Antigens Exposed at the Infected Erythrocyte Surface: Specificity of Immunity Generated in Hyperimmune Mice. Infection and Immunity, 2001, 69, 2535-2541.	2.2	18
98	Malaria Liver Stage Susceptibility Locus Identified on Mouse Chromosome 17 by Congenic Mapping. PLoS ONE, 2008, 3, e1874.	2.5	18
99	Simple, sensitive and quantitative bioluminescence assay for determination of malaria pre-patent period. Malaria Journal, 2014, 13, 15.	2.3	17
100	One nanoprobe, two pathogens: gold nanoprobes multiplexing for point-of-care. Journal of Nanobiotechnology, 2015, 13, 48.	9.1	17
101	Transcriptome profile of dendritic cells during malaria: cAMP regulation of IL-6. Cellular Microbiology, 2007, 9, 1738-1752.	2.1	16
102	Immunization with genetically attenuated P52-deficient Plasmodium berghei sporozoites induces a long-lasting effector memory CD8+ T cell response in the liver. Journal of Immune Based Therapies and Vaccines, 2011, 9, 6.	2.4	14
103	Structural Optimization of Quinolon-4(1<i>H</i>)-imines as Dual-Stage Antimalarials: Toward Increased Potency and Metabolic Stability. Journal of Medicinal Chemistry, 2013, 56, 7679-7690.	6.4	14
104	Flavones as isosteres of 4(1H)-quinolones: Discovery of ligand efficient and dual stage antimalarial lead compounds. European Journal of Medicinal Chemistry, 2013, 69, 872-880.	5.5	13
105	Disrupting Plasmodium UIS3â€“host LC3 interaction with a small molecule causes parasite elimination from host cells. Communications Biology, 2020, 3, 688.	4.4	13
106	<i>Plasmodium berghei</i>-infection induces volume-regulated anion channel-like activity in human hepatoma cells. Cellular Microbiology, 2009, 11, 1492-1501.	2.1	12
107	Phosphothioate oligodeoxynucleotides inhibit<i>Plasmodium</i>sporozoite gliding motility. Cellular Microbiology, 2010, 12, 506-515.	2.1	12
108	Plasmodium translocon component EXP2 facilitates hepatocyte invasion. Nature Communications, 2020, 11, 5654.	12.8	12

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109	Infection by and protective immune responses against Plasmodium berghei ANKA are not affected in macrophage scavenger receptors A deficient mice. BMC Microbiology, 2006, 6, 73.	3.3	11
110	<i>In Vitro</i> Alterations Do Not Reflect a Requirement for Host Cell Cycle Progression during Plasmodium Liver Stage Infection. Eukaryotic Cell, 2015, 14, 96-103.	3.4	10
111	Severe malaria increases the list of heme oxygenase-1-protected diseases. Future Microbiology, 2007, 2, 361-363.	2.0	8
112	<i>Plasmodium falciparum</i> subtilisinâ€like ookinete protein SOPT plays an important and conserved role during ookinete infection of the <i>Anopheles stephensi</i> midgut. Molecular Microbiology, 2018, 109, 458-473.	2.5	8
113	2-Octadecynoic acid as a dual life stage inhibitor of Plasmodium infections and plasmodial FAS-II enzymes. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4151-4157.	2.2	7
114	To Migrate or to Invade: Those Are the Options. Cell Host and Microbe, 2007, 2, 286-288.	11.0	6
115	The reciprocal influence of the liver and blood stages of the malaria parasiteâ€™s life cycle. International Journal for Parasitology, 2022, 52, 711-715.	3.1	6
116	Plasmodium parasitophorous vacuole membrane-resident protein UIS4 manipulates host cell actin to avoid parasite elimination. IScience, 2022, 25, 104281.	4.1	6
117	Host lung microbiota promotes malaria-associated acute respiratory distress syndrome. Nature Communications, 2022, 13, .	12.8	6
118	Innate Immunity to Malaria. , 2017, , 3-25.		5
119	Parasitism: Anopheles Mosquitoes and Plasmodium Parasites Share Resources. Current Biology, 2019, 29, R632-R634.	3.9	5
120	Malaria sporozoite: migrating for a living â€" a response. Trends in Molecular Medicine, 2004, 10, 100-101.	6.7	4
121	Targeting Plasmodium host cells: survival within hepatocytes. Trends in Molecular Medicine, 2004, 10, 487-492.	6.7	4
122	A Novel Chemically Differentiated Mouse Embryonic Stem Cell-Based Model to Study Liver Stages of Plasmodium berghei. Stem Cell Reports, 2020, 14, 1123-1134.	4.8	4
123	Active APPL1 sequestration by Plasmodium favors liver-stage development. Cell Reports, 2022, 39, 110886.	6.4	4
124	Reply to: Hepcidin in malaria superinfection: can findings be translated to humans?. Nature Medicine, 2011, 17, 1341-1342.	30.7	3
125	A mediator for malaria stickiness in A versus O blood. Nature Medicine, 2015, 21, 307-308.	30.7	3
126	New Pieces for the Malaria Liver Stage Puzzle: Where Will They Fit?. Cell Host and Microbe, 2008, 3, 63-65.	11.0	2

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127	Be in motion . . .. Molecular Microbiology, 2006, 60, 1327-1328.	2.5	0
128	The crucial role of hepatocyte growth factor receptor during liver-stage infection is not conserved among Plasmodium species. Nature Medicine, 2011, 17, 1181-1181.	30.7	0
129	Fighting for Resources: Who Started the Battle? Who Is Winning It?. Cell Metabolism, 2018, 27, 708-709.	16.2	0