Bruce M Russell

List of Publications by Year
in descending order

122 papers	6,829 citations	66343 42 h-index	66911 78 g-index
127 all docs	127 docs citations	127 times ranked	6804 citing authors

#	Article	IF	Citations
1	Spiroindolones, a Potent Compound Class for the Treatment of Malaria. Science, 2010, 329, 1175-1180.	12.6	1,031
2	Targeting Plasmodium PI(4)K to eliminate malaria. Nature, 2013, 504, 248-253.	27.8	377
3	The pathophysiology of vivax malaria. Trends in Parasitology, 2009, 25, 220-227.	3.3	347
4	On the Cytoadhesion ofPlasmodium vivaxâ€“Infected Erythrocytes. Journal of Infectious Diseases, 2010, 202, 638-647.	4.0	259
5	The transcriptome of Plasmodium vivax reveals divergence and diversity of transcriptional regulation in malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16290-16295.	7.1	234
6	Chloroquine Resistant Plasmodium vivax: In Vitro Characterisation and Association with Molecular Polymorphisms. PLoS ONE, 2007, 2, e1089.	2.5	187
7	A rapid and robust tri-color flow cytometry assay for monitoring malaria parasite development. Scientific Reports, 2011, 1, 118.	3.3	175
8	Transferrin receptor 1 is a reticulocyte-specific receptor for Plasmodium vivax. Science, 2018, 359, 48-55.	12.6	158
9	Plasmodium vivax: restricted tropism and rapid remodeling of CD71-positive reticulocytes. Blood, 2015, 125, 1314-1324.	1.4	157
10	Artemisinin resistance in Plasmodium falciparum is associated with an altered temporal pattern of transcription. BMC Genomics, 2011, 12, 391.	2.8	135
11	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
12	A reliable ex vivo invasion assay of human reticulocytes by Plasmodium vivax. Blood, 2011, 118, e74-e81.	1.4	120
13	Determinants of In Vitro Drug Susceptibility Testing of Plasmodium vivax. Antimicrobial Agents and Chemotherapy, 2008, 52, 1040-1045.	3.2	119
14	Cerebral malaria. Virulence, 2012, 3, 193-201.	4.4	118
15	Amplification ofpvmdr1Associated with Multidrugâ€ResistantPlasmodium vivax. Journal of Infectious Diseases, 2008, 198, 1558-1564.	4.0	117
16	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	2.5	114
17	High Deformability ofPlasmodium vivaxâ€“Infected Red Blood Cells under Microfluidic Conditions. Journal of Infectious Diseases, 2009, 199, 445-450.	4.0	107
18	Randomized, Double-Blind Study of the Safety, Tolerability, and Efficacy of Tafenoquine versus Mefloquine for Malaria Prophylaxis in Nonimmune Subjects. Antimicrobial Agents and Chemotherapy, 2010, 54, 792-798.	3.2	106

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19	Comparative Heterochromatin Profiling Reveals Conserved and Unique Epigenome Signatures Linked to Adaptation and Development of Malaria Parasites. Cell Host and Microbe, 2018, 23, 407-420.e8.	11.0	99
20	Simple In Vitro Assay for Determining the Sensitivity of Plasmodium vivax Isolates from Fresh Human Blood to Antimalarials in Areas where P. vivax Is Endemic. Antimicrobial Agents and Chemotherapy, 2003, 47, 170-173.	3.2	95
21	Effective and cheap removal of leukocytes and platelets from Plasmodium vivax infected blood. Malaria Journal, 2009, 8, 115.	2.3	86
22	AMINO ACID MUTATIONS IN PLASMODIUM VIVAX DHFR AND DHPS FROM SEVERAL GEOGRAPHICAL REGIONS AND SUSCEPTIBILITY TO ANTIFOLATE DRUGS. American Journal of Tropical Medicine and Hygiene, 2006, 75, 617-621.	1.4	76
23	The Importance of Subterranean Mosquito Habitat to Arbovirus Vector Control Strategies in North Queensland, Australia. Journal of Medical Entomology, 2000, 37, 846-853.	1.8	73
24	Dihydroartemisinin-Piperaquine Versus Chloroquine in the Treatment of Plasmodium vivax Malaria in Thailand: A Randomized Controlled Trial. Clinical Infectious Diseases, 2011, 53, 977-984.	5.8	71
25	New insights into the Plasmodium vivax transcriptome using RNA-Seq. Scientific Reports, 2016, 6, 20498.	3.3	65
26	Survival of <I>Aedes aegypti</I> (Diptera: Culicidae) Eggs in Surface and Subterranean Breeding Sites During the Northern Queensland Dry Season. Journal of Medical Entomology, 2001, 38, 441-445.	1.8	64
27	Comparison of three molecular methods for the detection and speciation of Plasmodium vivax and Plasmodium falciparum. Malaria Journal, 2007, 6, 124.	2.3	64
28	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. Journal of Investigative Dermatology, 2016, 136, 416-424.	0.7	62
29	Sticking for a Cause: The Falciparum Malaria Parasites Cytoadherence Paradigm. Frontiers in Immunology, 2019, 10, 1444.	4.8	62
30	Evaluation of splenic accumulation and colocalization of immature reticulocytes and Plasmodium vivax in asymptomatic malaria: A prospective human splenectomy study. PLoS Medicine, 2021, 18, e1003632.	8.4	60
31	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
32	Sequence Polymorphisms inpfcrtAre Strongly Associated with Chloroquine Resistance inPlasmodium falciparum. Journal of Infectious Diseases, 2001, 183, 1543-1545.	4.0	56
33	Plasmodium vivax trophozoites insensitive to chloroquine. Malaria Journal, 2008, 7, 94.	2.3	55
34	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
35	Chloroquine resistant vivax malaria in a pregnant woman on the western border of Thailand. Malaria Journal, 2011, 10, 113.	2.3	53
36	Amino acid mutations in Plasmodium vivax DHFR and DHPS from several geographical regions and susceptibility to antifolate drugs. American Journal of Tropical Medicine and Hygiene, 2006, 75, 617-21.	1.4	52

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37	Surveillance of the mosquito Aedes aegypti and its biocontrol with the copepod Mesocyclops aspericornis in Australian wells and gold mines. Medical and Veterinary Entomology, 1996, 10, 155-160.	1.5	51
38	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
39	Hepatic spheroids used as an in vitro model to study malaria relapse. Biomaterials, 2019, 216, 119221.	11.4	48
40	Plasmodium vivax: Isotopic, PicoGreen, and microscopic assays for measuring chloroquine sensitivity in fresh and cryopreserved isolates. Experimental Parasitology, 2006, 114, 34-39.	1.2	47
41	On the pathogenesis of Plasmodium vivax malaria: Perspectives from the Brazilian field. International Journal for Parasitology, 2012, 42, 1099-1105.	3.1	47
42	Levels of Chloroquine Resistance inPlasmodium falciparumAre Determined by Loci Other thanpfcrtandpfmdr1. Journal of Infectious Diseases, 2002, 185, 405-406.	4.0	44
43	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
44	Glycophorin C (CD236R) mediates vivax malaria parasite rosetting to normocytes. Blood, 2014, 123, e100-e109.	1.4	44
45	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
46	Human ex vivo studies on asexual Plasmodium vivax: The best way forward. International Journal for Parasitology, 2012, 42, 1063-1070.	3.1	40
47	Quantitative mass spectrometry of human reticulocytes reveal proteomeâ€wide modifications during maturation. British Journal of Haematology, 2018, 180, 118-133.	2.5	40
48	Long-term storage limits PCR-based analyses of malaria parasites in archival dried blood spots. Malaria Journal, 2012, 11, 339.	2.3	39
49	Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. Nature Communications, 2019, 10, 3635.	12.8	39
50	In Vitro Activity of Pyronaridine against Multidrug-Resistant Plasmodium falciparum and Plasmodium vivax. Antimicrobial Agents and Chemotherapy, 2010, 54, 5146-5150.	3.2	36
51	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
52	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
53	Stronger Activity of Human Immunodeficiency Virus Type 1 Protease Inhibitors against Clinical Isolates of Plasmodium vivax than against Those of P. falciparum. Antimicrobial Agents and Chemotherapy, 2008, 52, 2435-2441.	3.2	34
54	Considerations on the use of nucleic acid-based amplification for malaria parasite detection. Malaria Journal, 2011, 10, 323.	2.3	34

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55	Reduced red blood cell deformability in Plasmodium knowlesi malaria. Blood Advances, 2018, 2, 433-443.	5.2	34
56	Long-Term Humoral and Cellular Immune Responses Elicited by a Heterologous Plasmodium vivax Apical Membrane Antigen 1 Protein Prime/Adenovirus Boost Immunization Protocol. Infection and Immunity, 2011, 79, 3642-3652.	2.2	32
57	Genomic Analysis Reveals a Common Breakpoint in Amplifications of thePlasmodium vivaxMultidrug Resistance 1 Locus in Thailand. Journal of Infectious Diseases, 2016, 214, 1235-1242.	4.0	29
58	Epidemiological Significance of SubterraneanAedes aegypti(Diptera: Culicidae) Breeding Sites to Dengue Virus Infection in Charters Towers, 1993. Journal of Medical Entomology, 2002, 39, 143-145.	1.8	28
59	Strict tropism for CD71+/CD234+ human reticulocytes limits the zoonotic potential of Plasmodium cynomolgi. Blood, 2017, 130, 1357-1363.	1.4	27
60	In VivoandIn VitroEfficacy of Chloroquine againstPlasmodium malariaeandP. ovalein Papua, Indonesia. Antimicrobial Agents and Chemotherapy, 2011, 55, 197-202.	3.2	26
61	Effective Preparation of Plasmodium vivax Field Isolates for High-Throughput Whole Genome Sequencing. PLoS ONE, 2013, 8, e53160.	2.5	26
62	Plasmodium vivax binds host CD98hc (SLC3A2) to enter immature red blood cells. Nature Microbiology, 2021, 6, 991-999.	13.3	26
63	Plasmodium vivax genetic diversity: microsatellite length matters. Trends in Parasitology, 2006, 22, 399-401.	3.3	25
64	Invasion characteristics of a Plasmodium knowlesi line newly isolated from a human. Scientific Reports, 2016, 6, 24623.	3.3	24
65	A Whole Cell Pathway Screen Reveals Seven Novel Chemosensitizers to Combat Chloroquine Resistant Malaria. Scientific Reports, 2013, 3, 1734.	3.3	23
66	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.	3.0	23
67	In Vivo and In Vitro Efficacy of Amodiaquine Monotherapy for Treatment of Infection by Chloroquine-Resistant Plasmodium vivax. Antimicrobial Agents and Chemotherapy, 2009, 53, 1094-1099.	3.2	22
68	Unambiguous determination of Plasmodium vivax reticulocyte invasion by flow cytometry. International Journal for Parasitology, 2016, 46, 31-39.	3.1	22
69	The Plasmodium PI(4)K inhibitor KDU691 selectively inhibits dihydroartemisinin-pretreated Plasmodium falciparum ring-stage parasites. Scientific Reports, 2017, 7, 2325.	3.3	21
70	Antigenicity and Immunogenicity of Plasmodium vivax Merozoite Surface Protein-3. PLoS ONE, 2013, 8, e56061.	2.5	20
71	Rheopathologic Consequence of Plasmodium vivax Rosette Formation. PLoS Neglected Tropical Diseases, 2016, 10, e0004912.	3.0	20
72	TaqMan real-time PCR assay for specific detection of Opisthorchis viverrini DNA in Thai patients with hepatocellular carcinoma and cholangiocarcinoma. Experimental Parasitology, 2008, 119, 217-224.	1.2	19

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73	The Rheopathobiology of Plasmodium vivax and Other Important Primate Malaria Parasites. Trends in Parasitology, 2017, 33, 321-334.	3.3	19
74	Calibrated Funnel Trap for Quantifying Mosquito (Diptera: Culicidae) Abundance in Wells. Journal of Medical Entomology, 1999, 36, 851-855.	1.8	18
75	Field-Based Flow Cytometry for Ex Vivo Characterization of Plasmodium vivax and P. falciparum Antimalarial Sensitivity. Antimicrobial Agents and Chemotherapy, 2013, 57, 5170-5174.	3.2	18
76	Plasmodium vivax Susceptibility to Ferroquine. Antimicrobial Agents and Chemotherapy, 2010, 54, 2228-2230.	3.2	17
77	Probing the distinct chemosensitivity of Plasmodium vivax liver stage parasites and demonstration of 8-aminoquinoline radical cure activity in vitro. Scientific Reports, 2021, 11, 19905.	3.3	17
78	Immunization with the MAEBL M2 Domain Protects against Lethal Plasmodium yoelii Infection. Infection and Immunity, 2015, 83, 3781-3792.	2.2	16
79	In vitro Antimalarial Evaluations and Cytotoxicity Investigations of Carica papaya Leaves and Carpaine. Natural Product Communications, 2019, 14, 1934578X1901400.	0.5	16
80	Plasmodium-infected erythrocytes induce secretion of IGFBP7 to form type II rosettes and escape phagocytosis. ELife, 2020, 9, .	6.0	16
81	Point Source Inoculation ofMesocyclops(Copepoda: Cyclopidae) Gives Widespread Control ofOchlerotatusandAedes(Diptera: Culicidae) Immatures in Service Manholes and Pits in North Queensland, Australia. Journal of Medical Entomology, 2002, 39, 469-474.	1.8	15
82	The unhealthy attraction of Plasmodium vivax to reticulocytes expressing transferrin receptor 1 (CD71). International Journal for Parasitology, 2017, 47, 379-383.	3.1	15
83	Generation, characterization and immunogenicity of a novel chimeric recombinant protein based on Plasmodium vivax AMA-1 and MSP1 19. Vaccine, 2017, 35, 2463-2472.	3.8	15
84	Plasmodium vivax Merozoite Surface Protein 1 Paralog as a Mediator of Parasite Adherence to Reticulocytes. Infection and Immunity, 2018, 86, .	2.2	15
85	An Outbreak of Malaria in a Forward Battalion on Active Service in East Timor. Military Medicine, 2003, 168, 457-459.	0.8	14
86	Methotrexate Is Highly Potent Against Pyrimethamine-Resistant Plasmodium vivax. Journal of Infectious Diseases, 2011, 203, 207-210.	4.0	14
87	Rosettes integrity protects Plasmodium vivax of being phagocytized. Scientific Reports, 2020, 10, 16706.	3.3	13
88	Validation of a chloroquine-induced cell death mechanism for clinical use against malaria. Cell Death and Disease, 2014, 5, e1305-e1305.	6.3	12
89	In Vivo and In Vitro Activities and ADME-Tox Profile of a Quinolizidine-Modified 4-Aminoquinoline: A Potent Anti-P. falciparum and Anti-P. vivax Blood-Stage Antimalarial. Molecules, 2017, 22, 2102.	3.8	12
90	Inhibition of parasite invasion by monoclonal antibody against epidermal growth factor-like domain of Plasmodium vivax merozoite surface protein 1 paralog. Scientific Reports, 2019, 9, 3906.	3.3	12

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91	Genetic Diversity in New Members of the Reticulocyte Binding Protein Family in Thai Plasmodium vivax Isolates. PLoS ONE, 2012, 7, e32105.	2.5	12
92	Plasmodium falciparum rosetting protects schizonts against artemisinin. EBioMedicine, 2021, 73, 103680.	6.1	12
93	Giemsa-Stained Wet Mount Based Method for Reticulocyte Quantification: A Viable Alternative in Resource Limited or Malaria Endemic Settings. PLoS ONE, 2013, 8, e60303.	2.5	11
94	The Presence of Leukocytes in Ex Vivo Assays Significantly Increases the 50-Percent Inhibitory Concentrations of Artesunate and Chloroquine against Plasmodium vivax and Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2011, 55, 1300-1304.	3.2	10
95	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.	3.9	10
96	Lack of in vitro effect of ivermectin on Plasmodium falciparum. Southeast Asian Journal of Tropical Medicine and Public Health, 2003, 34, 552-3.	1.0	10
97	Rodent Plasmodium-infected red blood cells: Imaging their fates and interactions within their hosts. Parasitology International, 2014, 63, 187-194.	1.3	8
98	Asian G6PD-Mahidol Reticulocytes Sustain Normal Plasmodium Vivax Development. Journal of Infectious Diseases, 2017, 216, 263-266.	4.0	8
99	Singaporeâ€™s Anopheles sinensis Form A is susceptible to Plasmodium vivax isolates from the western Thailandâ€“Myanmar border. Malaria Journal, 2017, 16, 465.	2.3	8
100	Importance of Proactive Malaria Case Surveillance and Management in Malaysia. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1709-1713.	1.4	8
101	High density of â€˜spikyâ€™ excrescences covering the surface of an erythrocyte infected with Plasmodium malariae. British Journal of Haematology, 2010, 151, 1-1.	2.5	7
102	Adaptive immunity is essential in preventing recrudescence ofPlasmodium yoeliimalaria parasites after artesunate treatment. Cellular Microbiology, 2017, 19, e12763.	2.1	7
103	Improving in vitro continuous cultivation of Plasmodium cynomolgi, a model for P. vivax. Parasitology International, 2022, 89, 102589.	1.3	7
104	In silico epitope mapping and experimental evaluation of the Merozoite Adhesive Erythrocytic Binding Protein (MAEBL) as a malaria vaccine candidate. Malaria Journal, 2018, 17, 20.	2.3	6
105	Ex Vivo Maturation Assay for Testing Antimalarial Sensitivity of Rodent Malaria Parasites. Antimicrobial Agents and Chemotherapy, 2016, 60, 6859-6866.	3.2	5
106	Genetic diversity and neutral selection in Plasmodium vivax erythrocyte binding protein correlates with patient antigenicity. PLoS Neglected Tropical Diseases, 2020, 14, e0008202.	3.0	5
107	Characterization of the Commercially-Available Fluorescent Chloroquine-BODIPY Conjugate, LynxTag-CQGREEN, as a Marker for Chloroquine Resistance and Uptake in a 96-Well Plate Assay. PLoS ONE, 2014, 9, e110800.	2.5	5
108	A Chimeric Plasmodium vivax Merozoite Surface Protein Antibody Recognizes and Blocks Erythrocytic P. cynomolgi Berok Merozoites In Vitro. Infection and Immunity, 2021, 89, .	2.2	4

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109	Longitudinal ex vivo and molecular trends of chloroquine and piperaquine activity against Plasmodium falciparum and P. vivax before and after introduction of artemisinin-based combination therapy in Papua, Indonesia. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 17, 46-56.	3.4	4
110	Laboratory evaluation of two native fishes from tropical North Queensland as biological control agents of subterranean Aedes aegypti. Journal of the American Mosquito Control Association, 2001, 17, 124-6.	0.7	4
111	Atomic Force Microscopy of Plasmodium-Infected Red Blood Cells: Detecting and Localizing Single Molecular Recognition Events. Methods in Molecular Biology, 2012, 923, 299-305.	0.9	2
112	Therapeutic disruption of Plasmodium vivax infected red cell deformability. Malaria Journal, 2014, 13, .	2.3	2
113	Acquired Resistance to Antituberculosis Drugs. Emerging Infectious Diseases, 2018, 24, 2134-2134.	4.3	2
114	Geographical distribution and genetic diversity of Plasmodium vivax reticulocyte binding protein 1a correlates with patient antigenicity. PLoS Neglected Tropical Diseases, 2022, 16, e0010492.	3.0	2
115	Microbiome dataset from the upper respiratory tract of patients living with HIV, HIV/TB and TB from Myanmar. Data in Brief, 2018, 21, 354-357.	1.0	1
116	Plasmodium cynomolgi Berok Growth Inhibition Assay by Thiol-reactive Probe Based Flow Cytometric Measurement. Bio-protocol, 2021, 11, e4147.	0.4	1
117	Rosetting Responses of Plasmodium-infected Erythrocytes to Antimalarials. American Journal of Tropical Medicine and Hygiene, 2022, , .	1.4	1
118	Reply to â€œFlow Cytometry for Antimalarial Drug Testing: More than Meets the Eyeâ€• Journal of Clinical Microbiology, 2016, 54, 818-819.	3.9	0
119	Title is missing!. , 2020, 14, e0008202.		0
120	Title is missing!. , 2020, 14, e0008202.		0
121	Title is missing!. , 2020, 14, e0008202.		0
122	Title is missing!. , 2020, 14, e0008202.		0