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List of Publications by Year
in descending order

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66 papers	5,018 citations	126907 33 h-index	102487 66 g-index
67 all docs	67 docs citations	67 times ranked	3308 citing authors

#	Article	IF	Citations
1	Safety and efficacy of a three-dose regimen of Plasmodium falciparum sporozoite vaccine in adults during an intense malaria transmission season in Mali: a randomised, controlled phase 1 trial. Lancet Infectious Diseases, The, 2022, 22, 377-389.	9.1	44
2	Cryopreservation of Anopheles stephensi embryos. Scientific Reports, 2022, 12, 43.	3.3	3
3	Controlled human malaria infection (CHMI) outcomes in Kenyan adults is associated with prior history of malaria exposure and anti-schizont antibody response. BMC Infectious Diseases, 2022, 22, 86.	2.9	9
4	Multi-Dose Priming Regimens of PfSPZ Vaccine: Safety and Efficacy against Controlled Human Malaria Infection in Equatoguinean Adults. American Journal of Tropical Medicine and Hygiene, 2022, 106, 1215-1226.	1.4	16
5	Diagnostic performance and comparison of ultrasensitive and conventional rapid diagnostic test, thick blood smear and quantitative PCR for detection of low-density Plasmodium falciparum infections during a controlled human malaria infection study in Equatorial Guinea. Malaria Journal, 2022, 21, 99.	2.3	9
6	A First for Human Vaccinology: GMP Compliant Radiation Attenuation of Plasmodium falciparum Sporozoites for Production of a Vaccine Against Malaria. Frontiers in Immunology, 2022, 13, 851028.	4.8	4
7	Phagocytosis of Plasmodium falciparum ring-stage parasites predicts protection against malaria. Nature Communications, 2022, 13, .	12.8	12
8	Multidose Priming and Delayed Boosting ImprovePlasmodium falciparumSporozoite Vaccine Efficacy Against HeterologousP. falciparumControlled Human Malaria Infection. Clinical Infectious Diseases, 2021, 73, e2424-e2435.	5.8	23
9	Immunogenicity and Protective Efficacy of Radiation-Attenuated and Chemo-Attenuated PfSPZ Vaccines in Equatoguinean Adults. American Journal of Tropical Medicine and Hygiene, 2021, 104, 283-293.	1.4	49
10	Transient knockdown of Anopheles stephensi LRIM1 using RNAi increases Plasmodium falciparum sporozoite salivary gland infections. Malaria Journal, 2021, 20, 284.	2.3	6
11	Two chemoattenuated PfSPZ malaria vaccines induce sterile hepatic immunity. Nature, 2021, 595, 289-294.	27.8	68
12	Understanding the benefits and burdens associated with a malaria human infection study in Kenya: experiences of study volunteers and other stakeholders. Trials, 2021, 22, 494.	1.6	8
13	Safety and PCR monitoring in 161 semi-immune Kenyan adults following controlled human malaria infection. JCI Insight, 2021, 6, .	5.0	17
14	Safety, immunogenicity and efficacy of PfSPZ Vaccine against malaria in infants in western Kenya: a double-blind, randomized, placebo-controlled phase 2 trial. Nature Medicine, 2021, 27, 1636-1645.	30.7	47
15	Knockout of Anopheles stephensi immune gene LRIM1 by CRISPR-Cas9 reveals its unexpected role in reproduction and vector competence. PLoS Pathogens, 2021, 17, e1009770.	4.7	8
16	Safety, Tolerability, and Immunogenicity of Plasmodium falciparum Sporozoite Vaccine Administered by Direct Venous Inoculation to Infants and Young Children: Findings From an Age De-escalation, Dose-Escalation, Double-blind, Randomized Controlled Study in Western Kenya. Clinical Infectious Diseases, 2020, 71, 1063-1071.	5.8	25
17	Serologic Markers of Previous Malaria Exposure and Functional Antibodies Inhibiting Parasite Growth Are Associated With Parasite Kinetics Following a Plasmodium falciparum Controlled Human Infection. Clinical Infectious Diseases, 2020, 70, 2544-2552.	5.8	33
18	Increase of Dose Associated With Decrease in Protection Against Controlled Human Malaria Infection by PfSPZ Vaccine in Tanzanian Adults. Clinical Infectious Diseases, 2020, 71, 2849-2857.	5.8	46

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19	A double-blind, placebo-controlled phase 1/2a trial of the genetically attenuated malaria vaccine PfSPZ-GA1. Science Translational Medicine, 2020, 12, .	12.4	50
20	The Equatoguinean Malaria Vaccine Initiative: From the Launching of a Clinical Research Platform to Malaria Elimination Planning in Central West Africa. American Journal of Tropical Medicine and Hygiene, 2020, 103, 947-954.	1.4	13
21	Is Saglin a mosquito salivary gland receptor for Plasmodium falciparum?. Malaria Journal, 2019, 18, 2.	2.3	14
22	Safety and Differential Antibody and T-Cell Responses to the Plasmodium falciparum Sporozoite Malaria Vaccine, PfSPZ Vaccine, by Age in Tanzanian Adults, Adolescents, Children, and Infants. American Journal of Tropical Medicine and Hygiene, 2019, 100, 1433-1444.	1.4	61
23	Safety, Immunogenicity, and Protective Efficacy against Controlled Human Malaria Infection of Plasmodium falciparum Sporozoite Vaccine in Tanzanian Adults. American Journal of Tropical Medicine and Hygiene, 2018, 99, 338-349.	1.4	114
24	Impact of Sickle Cell Trait and Naturally Acquired Immunity on Uncomplicated Malaria after Controlled Human Malaria Infection in Adults in Gabon. American Journal of Tropical Medicine and Hygiene, 2018, 98, 508-515.	1.4	60
25	Advancing Global Health through Development and Clinical Trials Partnerships: A Randomized, Placebo-Controlled, Double-Blind Assessment of Safety, Tolerability, and Immunogenicity of PfSPZ Vaccine for Malaria in Healthy Equatoguinean Men. American Journal of Tropical Medicine and Hygiene, 2018, 98, 308-318.	1.4	55
26	Attenuated PfSPZ Vaccine induces strain-transcending T cells and durable protection against heterologous controlled human malaria infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2711-2716.	7.1	201
27	Safety and efficacy of PfSPZ Vaccine against Plasmodium falciparum via direct venous inoculation in healthy malaria-exposed adults in Mali: a randomised, double-blind phase 1 trial. Lancet Infectious Diseases, The, 2017, 17, 498-509.	9.1	258
28	Sterile protection against human malaria by chemoattenuated PfSPZ vaccine. Nature, 2017, 542, 445-449.	27.8	332
29	Protection against Plasmodium falciparum malaria by PfSPZ Vaccine. JCI Insight, 2017, 2, e89154.	5.0	195
30	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. Nature Medicine, 2016, 22, 614-623.	30.7	313
31	Safety, Immunogenicity, and Protective Efficacy of Intradermal Immunization with Aseptic, Purified, Cryopreserved Plasmodium falciparum Sporozoites in Volunteers Under Chloroquine Prophylaxis: A Randomized Controlled Trial. American Journal of Tropical Medicine and Hygiene, 2016, 94, 663-673.	1.4	58
32	Optimizing Intradermal Administration of Cryopreserved Plasmodium falciparum Sporozoites in Controlled Human Malaria Infection. American Journal of Tropical Medicine and Hygiene, 2015, 93, 1274-1284.	1.4	23
33	Controlled human malaria infection by intramuscular and direct venous inoculation of cryopreserved Plasmodium falciparum sporozoites in malaria-naÃ¯ve volunteers: effect of injection volume and dose on infectivity rates. Malaria Journal, 2015, 14, 306.	2.3	78
34	Impact of Malaria Preexposure on Antiparasite Cellular and Humoral Immune Responses after Controlled Human Malaria Infection. Infection and Immunity, 2015, 83, 2185-2196.	2.2	40
35	Lessons learnt from the first controlled human malaria infection study conducted in Nairobi, Kenya. Malaria Journal, 2015, 14, 182.	2.3	64
36	Robust, reproducible, industrialized, standard membrane feeding assay for assessing the transmission blocking activity of vaccines and drugs against Plasmodium falciparum. Malaria Journal, 2015, 14, 150.	2.3	18

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37	Direct venous inoculation of Plasmodium falciparum sporozoites for controlled human malaria infection: a dose-finding trial in two centres. Malaria Journal, 2015, 14, 117.	2.3	114
38	Progress with Plasmodium falciparum sporozoite (PfSPZ)-based malaria vaccines. Vaccine, 2015, 33, 7452-7461.	3.8	152
39	Evaluating controlled human malaria infection in Kenyan adults with varying degrees of prior exposure to Plasmodium falciparum using sporozoites administered by intramuscular injection. Frontiers in Microbiology, 2014, 5, 686.	3.5	95
40	Controlled Human Malaria Infection of Tanzanians by Intradermal Injection of Aseptic, Purified, Cryopreserved Plasmodium falciparum Sporozoites. American Journal of Tropical Medicine and Hygiene, 2014, 91, 471-480.	1.4	116
41	Protection Against Malaria by Intravenous Immunization with a Nonreplicating Sporozoite Vaccine. Science, 2013, 341, 1359-1365.	12.6	686
42	Controlled Human Malaria Infections by Intradermal Injection of Cryopreserved Plasmodium falciparum Sporozoites. American Journal of Tropical Medicine and Hygiene, 2013, 88, 5-13.	1.4	140
43	Infection and treatment immunizations for successful parasite vaccines. Trends in Parasitology, 2013, 29, 135-141.	3.3	35
44	Optimising Controlled Human Malaria Infection Studies Using Cryopreserved P. falciparum Parasites Administered by Needle and Syringe. PLoS ONE, 2013, 8, e65960.	2.5	80
45	Successful Human Infection with P. falciparum Using Three Aseptic Anopheles stephensi Mosquitoes: A New Model for Controlled Human Malaria Infection. PLoS ONE, 2013, 8, e68969.	2.5	26
46	Only the good die young: a novel paradigm for mosquito control. Trends in Parasitology, 2010, 26, 53-55.	3.3	3
47	IgM-antibody responses of chickens to salivary antigens of Triatoma infestans as early biomarkers for low-level infestation of triatomines. International Journal for Parasitology, 2010, 40, 1295-1302.	3.1	22
48	Plasmodium falciparum Malaria Challenge by the Bite of Aseptic Anopheles stephensi Mosquitoes: Results of a Randomized Infectivity Trial. PLoS ONE, 2010, 5, e13490.	2.5	42
49	Development of a metabolically active, non-replicating sporozoite vaccine to preventPlasmodium falciparummalaria. Hum Vaccin, 2010, 6, 97-106.	2.4	258
50	Immunogenic Salivary Proteins of Triatoma infestans: Development of a Recombinant Antigen for the Detection of Low-Level Infestation of Triatomines. PLoS Neglected Tropical Diseases, 2009, 3, e532.	3.0	35
51	Antibody responses of domestic animals to salivary antigens of Triatoma infestans as biomarkers for low-level infestation of triatomines. International Journal for Parasitology, 2009, 39, 1021-1029.	3.1	39
52	Mosquitocidal vaccines: a neglected addition to malaria and dengue control strategies. Trends in Parasitology, 2008, 24, 396-400.	3.3	30
53	Rodent malaria parasites Plasmodium chabaudi and P. vinckei do not increase their rates of gametocytogenesis in response to mosquito probing. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2397-2402.	2.6	12
54	Induced Immunity Against the MosquitoAnopheles stephensi(Diptera: Culicidae): Effects of Cell Fraction Antigens on Survival, Fecundity, andPlasmodium berghei(Eucoccidiida: Plasmodiidae) Transmission. Journal of Medical Entomology, 2002, 39, 207-214.	1.8	21

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55	Malaria Control with Genetically Manipulated Insect Vectors. Science, 2002, 298, 119-121.	12.6	221
56	Differential display of mRNAs associated with blood feeding in the midgut of the bloodsucking bug, Triatoma infestans. Parasitology Research, 2002, 88, 1026-1033.	1.6	24
57	Partial characterization of oligosaccharides expressed on midgut microvillar glycoproteins of the mosquito, Anopheles stephensi Liston. Insect Biochemistry and Molecular Biology, 2001, 31, 937-948.	2.7	33
58	A comparative survey of the hydrolytic enzymes of ectoparasitic and free-living mites. International Journal for Parasitology, 2000, 30, 19-27.	3.1	61
59	Detection and characterization of a mannan-binding lectin from the mosquito, Anopheles stephensi (Liston). FEBS Journal, 1999, 263, 360-366.	0.2	18
60	Hydrolytic enzymes of Psoroptes cuniculi (Delafond). Insect Biochemistry and Molecular Biology, 1999, 29, 25-32.	2.7	17
61	Induced immunity against the mosquito Anopheles stephensi Liston (Diptera: Culicidae): effects on mosquito survival and fecundity. International Journal for Parasitology, 1998, 28, 1721-1731.	3.1	31
62	2. Molecular targets in the insect midgut. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1994, 88, 136-140.	1.8	17
63	Kinetics of Expression of Two Major Plasmodium berghei Antigens in the Mosquito Vector, Anopheles stephensi. Journal of Eukaryotic Microbiology, 1993, 40, 569-576.	1.7	34
64	The Role of the Mosquito Peritrophic Membrane in Bloodmeal Digestion and Infectivity of Plasmodium Species. Journal of Parasitology, 1992, 78, 430.	0.7	118
65	Blood Digestion in the Mosquito, Anopheles stephensi Liston (Diptera: Culicidae): Activity and Distribution of Trypsin, Aminopeptidase, and Î±-Glucosidase in the Midgut. Journal of Medical Entomology, 1991, 28, 865-871.	1.8	104
66	Blood digestion in the mosquito,Anopheles stephensi liston (diptera: Culicidae): Partial characterization and post-feeding activity of midgut aminopeptidases. Archives of Insect Biochemistry and Physiology, 1990, 15, 149-163.	1.5	57