

Emergence of artemisinin-resistant *Plasmodium falciparum* on the island of New Guinea

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Drug Resistance in <i>Plasmodium falciparum</i> Malaria. Annual Review of Microbiology, 2020, 74, 431-454.	7.3	123
5	Advances and opportunities in malaria population genomics. Nature Reviews Genetics, 2021, 22, 502-517.	16.3	61
6	A randomized, double-blind, phase 2b study to investigate the efficacy, safety, tolerability and pharmacokinetics of a single-dose regimen of ferroquine with artefenomel in adults and children with uncomplicated <i>Plasmodium falciparum</i> malaria. Malaria Journal, 2021, 20, 222.	2.3	29
7	<i>Plasmodium vivax</i> and Drug Resistance. , 0, , .		0
10	Toward New Transmission-Blocking Combination Therapies: Pharmacokinetics of 10-Amino-Artemisinin and 11-Aza-Artemisinin and Comparison with Dihydroartemisinin and Artemether. Antimicrobial Agents and Chemotherapy, 2021, 65, e0099021.	3.2	12
11	<i>Plasmodium falciparum</i> K13 mutations in Africa and Asia impact artemisinin resistance and parasite fitness. ELife, 2021, 10, .	6.0	85
13	Artemisinin and multidrug-resistant <i>Plasmodium falciparum</i> – a threat for malaria control and elimination. Current Opinion in Infectious Diseases, 2021, 34, 432-439.	3.1	51
14	<i>Plasmodium falciparum</i> resistance to ACTs: Emergence, mechanisms, and outlook. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 16, 102-118.	3.4	36
15	Surveillance of molecular markers of <i>Plasmodium falciparum</i> artemisinin resistance (kelch13) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 and Drug Resistance, 2021, 16, 188-193.	3.4	15
16	Assessing risks of <i>Plasmodium falciparum</i> resistance to select next-generation antimalarials. Trends in Parasitology, 2021, 37, 709-721.	3.3	53
17	Has artemisinin resistance emerged in Africa?. Lancet Infectious Diseases, The, 2021, 21, 1056-1057.	9.1	21
19	Functional analyses of <i>Plasmodium falciparum</i> ferredoxin Asp97Tyr mutant related to artemisinin resistance of human malaria parasites. Journal of Biochemistry, 2021, 170, 521-529.	1.7	11
20	A review of the frequencies of <i>Plasmodium falciparum</i> Kelch 13 artemisinin resistance mutations in Africa. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 16, 155-161.	3.4	42
21	Studies on Activities and Chemical Characterization of Medicinal Plants in Search for New Antimalarials: A Ten Year Review on Ethnopharmacology. Frontiers in Pharmacology, 2021, 12, 734263.	3.5	9
22	Evidence of Artemisinin-Resistant Malaria in Africa. New England Journal of Medicine, 2021, 385, 1163-1171.	27.0	413
25	Genetic surveillance for monitoring the impact of drug use on <i>Plasmodium falciparum</i> populations. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 17, 12-22.	3.4	15
26	Increase in the proportion of <i>Plasmodium falciparum</i> with kelch13 C580Y mutation and decline in pfprt and pfmdr1 mutant alleles in Papua New Guinea. Malaria Journal, 2021, 20, 410.	2.3	11
27	Mutation in the <i>Plasmodium falciparum</i> BTB/POZ Domain of K13 Protein Confers Artemisinin Resistance. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0132021.	3.2	14

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28	Comparative Analysis of Plasmodium falciparum Genotyping via SNP Detection, Microsatellite Profiling, and Whole-Genome Sequencing. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0116321.	3.2	8
29	Protein abundance and folding rather than the redox state of Kelch13 determine the artemisinin susceptibility of Plasmodium falciparum. Redox Biology, 2021, 48, 102177.	9.0	7
33	Can repurposing drugs play a role in malaria control?. Journal of Experimental Medicine, 2021, 218, .	8.5	3
34	Peroxide Antimalarial Drugs Target Redox Homeostasis in <i>Plasmodium falciparum</i> Infected Red Blood Cells. ACS Infectious Diseases, 2022, 8, 210-226.	3.8	23
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36	Vector composition, abundance, biting patterns and malaria transmission intensity in Madang, Papua New Guinea: assessment after 7 years of an LLIN-based malaria control programme. Malaria Journal, 2022, 21, 7.	2.3	7
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38	Effect of Artemisinin on the Redox System of NADPH/FNR/Ferredoxin from Malaria Parasites. Antioxidants, 2022, 11, 273.	5.1	5
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43	Molecular surveillance for operationally relevant genetic polymorphisms in Plasmodium falciparum in Southern Chad, 2016-2017. Malaria Journal, 2022, 21, 83.	2.3	5
44	Artemisinin resistance in the malaria parasite, Plasmodium falciparum, originates from its initial transcriptional response. Communications Biology, 2022, 5, 274.	4.4	33
46	Limited Polymorphism in Plasmodium falciparum Artemisinin Resistance Kelch13-Propeller Gene Among Clinical Isolates from Bushenyi District, Uganda. Infection and Drug Resistance, 2021, Volume 14, 5153-5163.	2.7	1
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52	Pre-existing partner-drug resistance to artemisinin combination therapies facilitates the emergence and spread of artemisinin resistance: a consensus modelling study. Lancet Microbe, The, 2022, 3, e701-e710.	7.3	22

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54	The Medicines for Malaria Venture Malaria Box contains inhibitors of protein secretion in Plasmodium falciparum blood stage parasites. Traffic, 2022, 23, 442-461.	2.7	8
55	Plasmodium falciparum resistance to artemisinin-based combination therapies. Current Opinion in Microbiology, 2022, 69, 102193.	5.1	25
56	Naturally Acquired Kelch13 Mutations in Plasmodium falciparum Strains Modulate In Vitro Ring-Stage Artemisinin-Based Drug Tolerance and Parasite Survival in Response to Hyperoxia. Microbiology Spectrum, 2022, 10, .	3.0	4
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60	Asia-Pacific International Center of Excellence in Malaria Research: Maximizing Impact on Malaria Control Policy and Public Health in Cambodia and Papua New Guinea. American Journal of Tropical Medicine and Hygiene, 2022, 107, 124-130.	1.4	0
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70	Preventing antimalarial drug resistance with triple artemisinin-based combination therapies. Nature Communications, 2023, 14, .	12.8	7
71	Emergence of artemisinin-based combination treatment failure in patients returning from sub-Saharan Africa with P. falciparum malaria. Journal of Travel Medicine, 0, , .	3.0	4
73	Drug selection pressure and Fitness cost for artemether-resistant Plasmodium berghei ANKA parasites in vivo. International Journal of Antimicrobial Agents, 2023, , 107012.	2.5	0
74	The Kelch13 compartment contains highly divergent vesicle trafficking proteins in malaria parasites. PLoS Pathogens, 2023, 19, e1011814.	4.7	1
75	Promising antimalarial hits from phenotypic screens: a review of recently-described multi-stage actives and their modes of action. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	0

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77	Emergence, transmission dynamics and mechanisms of artemisinin partial resistance in malaria parasites in Africa. <i>Nature Reviews Microbiology</i> , 0, , .	28.6	0
78	<i>Plasmodium falciparum</i> transmission in the highlands of Ethiopia is driven by closely related and clonal parasites. <i>Molecular Ecology</i> , 2024, 33, .	3.9	0
79	Assessing emergence risk of double-resistant and triple-resistant genotypes of <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2024, 15, .	12.8	0
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