

# Sarah K Volkman

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,414  
citations

279798

23  
h-index

233421

45  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2436  
citing authors

#	ARTICLE	IF	CITATIONS
1	A genome-wide map of diversity in <i>Plasmodium falciparum</i> . <i>Nature Genetics</i> , 2007, 39, 113-119.	21.4	320
2	A general SNP-based molecular barcode for <i>Plasmodium falciparum</i> identification and tracking. <i>Malaria Journal</i> , 2008, 7, 223.	2.3	213
3	Modeling malaria genomics reveals transmission decline and rebound in Senegal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7067-7072.	7.1	163
4	Mutations in <i>Plasmodium falciparum</i> actin-binding protein coronin confer reduced artemisinin susceptibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12799-12804.	7.1	114
5	Long read assemblies of geographically dispersed <i>Plasmodium falciparum</i> isolates reveal highly structured subtelomeres. <i>Wellcome Open Research</i> , 2018, 3, 52.	1.8	114
6	Adaptive evolution of malaria parasites in French Guiana: Reversal of chloroquine resistance by acquisition of a mutation in <i>pfprt</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11672-11677.	7.1	101
7	Artemisinin resistance without <i>pfkelch13</i> mutations in <i>Plasmodium falciparum</i> isolates from Cambodia. <i>Malaria Journal</i> , 2017, 16, 195.	2.3	99
8	Harnessing genomics and genome biology to understand malaria biology. <i>Nature Reviews Genetics</i> , 2012, 13, 315-328.	16.3	95
9	Development of a Single Nucleotide Polymorphism Barcode to Genotype <i>Plasmodium vivax</i> Infections. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003539.	3.0	90
10	Genetic Surveillance Detects Both Clonal and Epidemic Transmission of Malaria following Enhanced Intervention in Senegal. <i>PLoS ONE</i> , 2013, 8, e60780.	2.5	87
11	Plasmepsin II copy number accounts for bimodal piperazine resistance among Cambodian <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2018, 9, 1769.	12.8	85
12	Excess Polymorphisms in Genes for Membrane Proteins in <i>Plasmodium falciparum</i> . <i>Science</i> , 2002, 298, 216-218.	12.6	80
13	Malaria Molecular Epidemiology: Lessons from the International Centers of Excellence for Malaria Research Network. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 79-86.	1.4	80
14	COIL: a methodology for evaluating malarial complexity of infection using likelihood from single nucleotide polymorphism data. <i>Malaria Journal</i> , 2015, 14, 4.	2.3	71
15	Clonal Outbreak of <i>Plasmodium falciparum</i> Infection in Eastern Panama. <i>Journal of Infectious Diseases</i> , 2015, 211, 1087-1096.	4.0	71
16	Malaria life cycle intensifies both natural selection and random genetic drift. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20129-20134.	7.1	67
17	Genetic relatedness analysis reveals the cotransmission of genetically related <i>Plasmodium falciparum</i> parasites in Thiès, Senegal. <i>Genome Medicine</i> , 2017, 9, 5.	8.2	47
18	Evidence of non- <i>Plasmodium falciparum</i> malaria infection in Koudougou, Senegal. <i>Malaria Journal</i> , 2017, 16, 9.	2.3	38

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19	Persistence of <i>Plasmodium falciparum</i> parasitemia after artemisinin combination therapy: evidence from a randomized trial in Uganda. <i>Scientific Reports</i> , 2016, 6, 26330.	3.3	34
20	Application of genomics to field investigations of malaria by the international centers of excellence for malaria research. <i>Acta Tropica</i> , 2012, 121, 324-332.	2.0	33
21	Malaria Genomics in the Era of Eradication. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017, 7, a025544.	6.2	33
22	Dramatic Changes in Malaria Population Genetic Complexity in Dielmo and Ndiop, Senegal, Revealed Using Genomic Surveillance. <i>Journal of Infectious Diseases</i> , 2018, 217, 622-627.	4.0	31
23	Pre-amplification methods for tracking low-grade <i>Plasmodium falciparum</i> populations during scaled-up interventions in Southern Zambia. <i>Malaria Journal</i> , 2014, 13, 89.	2.3	29
24	Polymorphism in dhfr/dhps genes, parasite density and ex vivo response to pyrimethamine in <i>Plasmodium falciparum</i> malaria parasites in Thies, Senegal. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2013, 3, 135-142.	3.4	27
25	Malaria prevalence, prevention and treatment seeking practices among nomadic pastoralists in northern Senegal. <i>Malaria Journal</i> , 2017, 16, 413.	2.3	25
26	Transmission of molecularly undetectable circulating parasite clones leads to high infection complexity in mosquitoes post feeding. <i>International Journal for Parasitology</i> , 2018, 48, 671-677.	3.1	25
27	West Africa International Centers of Excellence for Malaria Research: Drug Resistance Patterns to Artemetherâ€“Lumefantrine in Senegal, Mali, and The Gambia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1054-1060.	1.4	19
28	Population genomics of <i>Plasmodium vivax</i> in Panama to assess the risk of case importation on malaria elimination. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008962.	3.0	18
29	RDTs as a source of DNA to study <i>Plasmodium falciparum</i> drug resistance in isolates from Senegal and the Comoros Islands. <i>Malaria Journal</i> , 2015, 14, 373.	2.3	17
30	Genetic background and PfKelch13 affect artemisinin susceptibility of PfCoronin mutants in <i>Plasmodium falciparum</i> . <i>PLoS Genetics</i> , 2020, 16, e1009266.	3.5	17
31	Genetic evidence that the Makira region in northeastern Madagascar is a hotspot of malaria transmission. <i>Malaria Journal</i> , 2016, 15, 596.	2.3	16
32	Genome-Wide Association Studies of Drug-Resistance Determinants. <i>Trends in Parasitology</i> , 2017, 33, 214-230.	3.3	16
33	Genetic surveillance for monitoring the impact of drug use on <i>Plasmodium falciparum</i> populations. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 17, 12-22.	3.4	15
34	<i>Plasmodium falciparum</i> genomic surveillance reveals spatial and temporal trends, association of genetic and physical distance, and household clustering. <i>Scientific Reports</i> , 2022, 12, 938.	3.3	13
35	Cohort Description of the Madagascar Health and Environmental Researchâ€“Antongil (MAHERYâ€“Antongil) Study in Madagascar. <i>Frontiers in Nutrition</i> , 2019, 6, 109.	3.7	12
36	Genetic evidence for imported malaria and local transmission in Richard Toll, Senegal. <i>Malaria Journal</i> , 2020, 19, 276.	2.3	12

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37	PARASITOLOGY: A Game of Cat and Mouth. <i>Science</i> , 2003, 299, 353-354.	12.6	11
38	Immune Characterization of <i>Plasmodium falciparum</i> Parasites with a Shared Genetic Signature in a Region of Decreasing Transmission. <i>Infection and Immunity</i> , 2015, 83, 276-285.	2.2	11
39	Methods to Increase the Sensitivity of High Resolution Melting Single Nucleotide Polymorphism Genotyping in Malaria. <i>Journal of Visualized Experiments</i> , 2015, , e52839.	0.3	9
40	Ex vivo susceptibility and genotyping of <i>Plasmodium falciparum</i> isolates from Pikine, Senegal. <i>Malaria Journal</i> , 2017, 16, 250.	2.3	9
41	Genomic heterogeneity in the density of noncoding single-nucleotide and microsatellite polymorphisms in <i>Plasmodium falciparum</i> . <i>Gene</i> , 2007, 387, 1-6.	2.2	8
42	High <i>Plasmodium falciparum</i> longitudinal prevalence is associated with high multiclonality and reduced clinical malaria risk in a seasonal transmission area of Mali. <i>PLoS ONE</i> , 2017, 12, e0170948.	2.5	8
43	Polymorphisms in <i>Plasmodium falciparum</i> chloroquine resistance transporter (Pfcrt) and multidrug-resistant gene 1 (Pfmdr-1) in Nigerian children 10 years post-adoption of artemisinin-based combination treatments. <i>International Journal for Parasitology</i> , 2021, 51, 301-310.	3.1	7
44	An Adjustable Gas-Mixing Device to Increase Feasibility of In Vitro Culture of <i>Plasmodium falciparum</i> Parasites in the Field. <i>PLoS ONE</i> , 2014, 9, e90928.	2.5	6
45	Long-distance transmission patterns modelled from SNP barcodes of <i>Plasmodium falciparum</i> infections in The Gambia. <i>Scientific Reports</i> , 2019, 9, 13515.	3.3	5
46	Allelic diversity of MSP1 and MSP2 repeat loci correlate with levels of malaria endemicity in Senegal and Nigerian populations. <i>Malaria Journal</i> , 2021, 20, 38.	2.3	5
47	Case report of <i>Plasmodium ovale curtisi</i> malaria in Sri Lanka: relevance for the maintenance of elimination status. <i>BMC Infectious Diseases</i> , 2017, 17, 307.	2.9	3
48	Genetic analysis reveals unique characteristics of <i>Plasmodium falciparum</i> parasite populations in Haiti. <i>Malaria Journal</i> , 2020, 19, 379.	2.3	3
49	Title is missing!. , 2020, 14, e0008962.		0
50	Title is missing!. , 2020, 14, e0008962.		0
51	Title is missing!. , 2020, 14, e0008962.		0
52	Title is missing!. , 2020, 14, e0008962.		0