

Shannon Takala-Harrison

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,995
citations

257450

24
h-index

155660

55
g-index

63
all docs

63
docs citations

63
times ranked

3587
citing authors

#	ARTICLE	IF	CITATIONS
1	STRIDE: a command-line HMM-based identifier and sub-classifier of <i>Plasmodium falciparum</i> RIFIN and STEVOR variant surface antigen families. <i>BMC Bioinformatics</i> , 2022, 23, 15.	2.6	1
2	Differential Incidence of Malaria in Neighboring Villages in a High-Transmission Setting of Southern Mali. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 106, 1209-1214.	1.4	2
3	An In Silico Analysis of Malaria Pre-Erythrocytic-Stage Antigens Interpreting Worldwide Genetic Data to Suggest Vaccine Candidate Variants and Epitopes. <i>Microorganisms</i> , 2022, 10, 1090.	3.6	2
4	Distribution and Temporal Dynamics of <i>Plasmodium falciparum</i> Chloroquine Resistance Transporter Mutations Associated With Piperaquine Resistance in Northern Cambodia. <i>Journal of Infectious Diseases</i> , 2021, 224, 1077-1085.	4.0	8
5	An open dataset of <i>Plasmodium falciparum</i> genome variation in 7,000 worldwide samples. Wellcome Open Research, 2021, 6, 42.	1.8	97
6	#63: Antibodies to Peptides Representing <i>Plasmodium falciparum</i> Circumsporozoite Protein Reflect Acquisition of Naturally Acquired Immunity in Malian Adults and Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, S10-S12.	1.3	0
7	Whole-genome analysis of Malawian <i>Plasmodium falciparum</i> isolates identifies possible targets of allele-specific immunity to clinical malaria. <i>PLoS Genetics</i> , 2021, 17, e1009576.	3.5	4
8	Malian adults maintain serologic responses to virulent PfEMP1s amid seasonal patterns of fluctuation. <i>Scientific Reports</i> , 2021, 11, 14401.	3.3	2
9	An open dataset of <i>Plasmodium falciparum</i> genome variation in 7,000 worldwide samples. Wellcome Open Research, 2021, 6, 42.	1.8	51
10	Integration of population and functional genomics to understand mechanisms of artemisinin resistance in <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 16, 119-128.	3.4	11
11	Immunoprofiles associated with controlled human malaria infection and naturally acquired immunity identify a shared IgA pre-erythrocytic immunoproteome. <i>Npj Vaccines</i> , 2021, 6, 115.	6.0	2
12	Epitope-Specific Antibody Responses to a <i>Plasmodium falciparum</i> Subunit Vaccine Target in a Malaria-Endemic Population. <i>Journal of Infectious Diseases</i> , 2021, 223, 1943-1947.	4.0	3
13	Successful Profiling of <i>Plasmodium falciparum</i> Gene Expression in Clinical Samples via a Custom Capture Array. <i>MSystems</i> , 2021, 6, e0022621.	3.8	4
14	Strains used in whole organism <i>Plasmodium falciparum</i> vaccine trials differ in genome structure, sequence, and immunogenic potential. <i>Genome Medicine</i> , 2020, 12, 6.	8.2	61
15	Epitope-based sieve analysis of <i>Plasmodium falciparum</i> sequences from a FMP2.1/AS02A vaccine trial is consistent with differential vaccine efficacy against immunologically relevant AMA1 variants. <i>Vaccine</i> , 2020, 38, 5700-5706.	3.8	5
16	No evidence of amplified <i>Plasmodium falciparum</i> plasmepsin II gene copy number in an area with artemisinin-resistant malaria along the China-Myanmar border. <i>Malaria Journal</i> , 2020, 19, 334.	2.3	5
17	Microarray analyses reveal strain-specific antibody responses to <i>Plasmodium falciparum</i> apical membrane antigen 1 variants following natural infection and vaccination. <i>Scientific Reports</i> , 2020, 10, 3952.	3.3	24
18	Detecting geospatial patterns of <i>Plasmodium falciparum</i> parasite migration in Cambodia using optimized estimated effective migration surfaces. <i>International Journal of Health Geographics</i> , 2020, 19, 13.	2.5	2

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19	Optimization of parasite DNA enrichment approaches to generate whole genome sequencing data for <i>Plasmodium falciparum</i> from low parasitaemia samples. <i>Malaria Journal</i> , 2020, 19, 135.	2.3	7
20	Genomic Epidemiology of Antimalarial Drug Resistance in <i>Plasmodium falciparum</i> in Southern China. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 610985.	3.9	0
21	Host and Parasite Transcriptomic Changes upon Successive <i>Plasmodium falciparum</i> Infections in Early Childhood. <i>MSystems</i> , 2020, 5, .	3.8	7
22	Serologic responses to the PfEMP1 DBL-CIDR head structure may be a better indicator of malaria exposure than those to the DBL-1± tag. <i>Malaria Journal</i> , 2019, 18, 273.	2.3	6
23	Genomic structure and diversity of <i>Plasmodium falciparum</i> in Southeast Asia reveal recent parasite migration patterns. <i>Nature Communications</i> , 2019, 10, 2665.	12.8	46
24	Antibodies to Peptides in Semiconserved Domains of RIFINs and STEVORs Correlate with Malaria Exposure. <i>MSphere</i> , 2019, 4, .	2.9	23
25	Children with cerebral malaria or severe malarial anaemia lack immunity to distinct variant surface antigen subsets. <i>Scientific Reports</i> , 2018, 8, 6281.	3.3	31
26	Prevalence of molecular markers of sulfadoxine-pyrimethamine and artemisinin resistance in <i>Plasmodium falciparum</i> from Pakistan. <i>Malaria Journal</i> , 2018, 17, 471.	2.3	17
27	Multidrug-resistant malaria and the impact of mass drug administration. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 299-306.	2.7	31
28	Emerging Southeast Asian PfCRT mutations confer <i>Plasmodium falciparum</i> resistance to the first-line antimalarial piperazine. <i>Nature Communications</i> , 2018, 9, 3314.	12.8	183
29	Extent and Dynamics of Polymorphism in the Malaria Vaccine Candidate <i>Plasmodium falciparum</i> Reticulocyte-Binding Protein Homologue-5 in Kalifabougou, Mali. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 43-50.	1.4	10
30	Gametocyte Carriage, Antimalarial Use, and Drug Resistance in Cambodia, 2008-2014. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1145-1149.	1.4	3
31	Association of a Novel Mutation in the <i>Plasmodium falciparum</i> Chloroquine Resistance Transporter With Decreased Piperazine Sensitivity. <i>Journal of Infectious Diseases</i> , 2017, 216, 468-476.	4.0	102
32	Prevalence of Clinical and Subclinical <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> Malaria in Two Remote Rural Communities on the Myanmar-China Border. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1524-1531.	1.4	24
33	Optimal health and disease management using spatial uncertainty: a geographic characterization of emergent artemisinin-resistant <i>Plasmodium falciparum</i> distributions in Southeast Asia. <i>International Journal of Health Geographics</i> , 2016, 15, 37.	2.5	13
34	The effect of local variation in malaria transmission on the prevalence of sulfadoxine-pyrimethamine resistant haplotypes and selective sweep characteristics in Malawi. <i>Malaria Journal</i> , 2015, 14, 387.	2.3	5
35	<i>Ex Vivo</i> Drug Susceptibility Testing and Molecular Profiling of Clinical <i>Plasmodium falciparum</i> Isolates from Cambodia from 2008 to 2013 Suggest Emerging Piperazine Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4631-4643.	3.2	63
36	<i>Plasmodium falciparum</i> field isolates from areas of repeated emergence of drug resistant malaria show no evidence of hypermutator phenotype. <i>Infection, Genetics and Evolution</i> , 2015, 30, 318-322.	2.3	18

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37	Genetic architecture of artemisinin-resistant <i>Plasmodium falciparum</i> . <i>Nature Genetics</i> , 2015, 47, 226-234.	21.4	515
38	Polymorphisms in the K13-Propeller Gene in Artemisinin-Susceptible <i>Plasmodium falciparum</i> Parasites from Bougoula-Hameau and Bandiagara, Mali. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 1202-1206.	1.4	89
39	Persistence of Sulfadoxine-Pyrimethamine Resistance Despite Reduction of Drug Pressure in Malawi. <i>Journal of Infectious Diseases</i> , 2015, 212, 694-701.	4.0	25
40	A Single Mutation in K13 Predominates in Southern China and Is Associated With Delayed Clearance of <i>Plasmodium falciparum</i> Following Artemisinin Treatment. <i>Journal of Infectious Diseases</i> , 2015, 212, 1629-1635.	4.0	125
41	Differential Recognition of Terminal Extracellular <i>Plasmodium falciparum</i> VAR2CSA Domains by Sera from Multigravid, Malaria-Exposed Malian Women. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 1190-1194.	1.4	11
42	Antimalarial drug resistance in Africa: key lessons for the future. <i>Annals of the New York Academy of Sciences</i> , 2015, 1342, 62-67.	3.8	83
43	Hemoglobin C Trait Provides Protection From Clinical <i>Falciparum</i> Malaria in Malian Children. <i>Journal of Infectious Diseases</i> , 2015, 212, 1778-1786.	4.0	13
44	Independent Emergence of Artemisinin Resistance Mutations Among <i>Plasmodium falciparum</i> in Southeast Asia. <i>Journal of Infectious Diseases</i> , 2015, 211, 670-679.	4.0	368
45	A microarray platform and novel SNP calling algorithm to evaluate <i>Plasmodium falciparum</i> field samples of low DNA quantity. <i>BMC Genomics</i> , 2014, 15, 719.	2.8	18
46	Return of Widespread Chloroquine-Sensitive <i>Plasmodium falciparum</i> to Malawi. <i>Journal of Infectious Diseases</i> , 2014, 210, 1110-1114.	4.0	79
47	Variation in the Circumsporozoite Protein of <i>Plasmodium falciparum</i> : Vaccine Development Implications. <i>PLoS ONE</i> , 2014, 9, e101783.	2.5	22
48	Genetic loci associated with delayed clearance of <i>Plasmodium falciparum</i> following artemisinin treatment in Southeast Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 240-245.	7.1	242
49	Molecular Basis of Allele-Specific Efficacy of a Blood-Stage Malaria Vaccine: Vaccine Development Implications. <i>Journal of Infectious Diseases</i> , 2013, 207, 511-519.	4.0	66
50	Multiple populations of artemisinin-resistant <i>Plasmodium falciparum</i> in Cambodia. <i>Nature Genetics</i> , 2013, 45, 648-655.	21.4	424
51	Seroreactivity to <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 Intracellular Domain in Malaria-Exposed Children and Adults. <i>Journal of Infectious Diseases</i> , 2013, 208, 1514-1519.	4.0	20
52	Extended Safety, Immunogenicity and Efficacy of a Blood-Stage Malaria Vaccine in Malian Children: 24-Month Follow-Up of a Randomized, Double-Blinded Phase 2 Trial. <i>PLoS ONE</i> , 2013, 8, e79323.	2.5	38
53	Next Generation Sequencing to Detect Variation in the <i>Plasmodium falciparum</i> Circumsporozoite Protein. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012, 86, 775-781.	1.4	30
54	Analysis of <i>Plasmodium falciparum</i> diversity in natural infections by deep sequencing. <i>Nature</i> , 2012, 487, 375-379.	27.8	450

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55	A Field Trial to Assess a Blood-Stage Malaria Vaccine. <i>New England Journal of Medicine</i> , 2011, 365, 1004-1013.	27.0	311
56	Return of Chloroquine-Susceptible <i>Falciparum</i> Malaria in Malawi Was a Reexpansion of Diverse Susceptible Parasites. <i>Journal of Infectious Diseases</i> , 2010, 202, 801-808.	4.0	126
57	Lack of allele-specific efficacy of a bivalent AMA1 malaria vaccine. <i>Malaria Journal</i> , 2010, 9, 175.	2.3	61