

Daibin Zhong

List of Publications by Year in descending order

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76
papers

2,139
citations

186265

28
h-index

265206

42
g-index

79
all docs

79
docs citations

79
times ranked

2292
citing authors

#	ARTICLE	IF	CITATIONS
1	Malaria in the Greater Mekong Subregion: Heterogeneity and complexity. <i>Acta Tropica</i> , 2012, 121, 227-239.	2.0	219
2	Changing Patterns of Malaria Epidemiology between 2002 and 2010 in Western Kenya: The Fall and Rise of Malaria. <i>PLoS ONE</i> , 2011, 6, e20318.	2.5	144
3	Genetic Analysis of Invasive <i>Aedes albopictus</i> Populations in Los Angeles County, California and Its Potential Public Health Impact. <i>PLoS ONE</i> , 2013, 8, e68586.	2.5	84
4	Bacterial microbiota assemblage in <i>Aedes albopictus</i> mosquitoes and its impacts on larval development. <i>Molecular Ecology</i> , 2018, 27, 2972-2985.	3.9	78
5	Multi-country Survey Revealed Prevalent and Novel F1534S Mutation in Voltage-Gated Sodium Channel (VGSC) Gene in <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004696.	3.0	72
6	Multiple Resistances and Complex Mechanisms of <i>Anopheles sinensis</i> Mosquito: A Major Obstacle to Mosquito-Borne Diseases Control and Elimination in China. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2889.	3.0	64
7	Evidence for multiple-insecticide resistance in urban <i>Aedes albopictus</i> populations in southern China. <i>Parasites and Vectors</i> , 2018, 11, 4.	2.5	62
8	Relationship between Knockdown Resistance, Metabolic Detoxification and Organismal Resistance to Pyrethroids in <i>Anopheles sinensis</i> . <i>PLoS ONE</i> , 2013, 8, e55475.	2.5	61
9	Transmission dynamics of co-endemic <i>Plasmodium vivax</i> and <i>P. falciparum</i> in Ethiopia and prevalence of antimalarial resistant genotypes. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005806.	3.0	57
10	<i>Plasmodium falciparum</i> Genetic Diversity in Western Kenya Highlands. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 1043-1050.	1.4	56
11	Molecular epidemiology of <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> malaria among Duffy-positive and Duffy-negative populations in Ethiopia. <i>Malaria Journal</i> , 2015, 14, 84.	2.3	51
12	Transcriptome profiling of pyrethroid resistant and susceptible mosquitoes in the malaria vector, <i>Anopheles sinensis</i> . <i>BMC Genomics</i> , 2014, 15, 448.	2.8	42
13	Molecular approaches to determine the multiplicity of <i>Plasmodium</i> infections. <i>Malaria Journal</i> , 2018, 17, 172.	2.3	42
14	Landscape genetic structure and evolutionary genetics of insecticide resistance gene mutations in <i>Anopheles sinensis</i> . <i>Parasites and Vectors</i> , 2016, 9, 228.	2.5	40
15	Molecular analysis of chloroquine resistance in <i>Plasmodium falciparum</i> in Yunnan Province, China. <i>Tropical Medicine and International Health</i> , 2007, 12, 1051-1060.	2.3	39
16	Molecular evidence for new sympatric cryptic species of <i>Aedes albopictus</i> (Diptera: Culicidae) in China: A new threat from <i>Aedes albopictus</i> subgroup?. <i>Parasites and Vectors</i> , 2018, 11, 228.	2.5	39
17	Fast emerging insecticide resistance in <i>Aedes albopictus</i> in Guangzhou, China: Alarm to the dengue epidemic. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007665.	3.0	39
18	Impacts of Antimalarial Drugs on <i>Plasmodium falciparum</i> Drug Resistance Markers, Western Kenya, 2003–2015. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 692-699.	1.4	39

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19	The Anopheles community and the role of <i>Anopheles minimus</i> on malaria transmission on the China-Myanmar border. <i>Parasites and Vectors</i> , 2013, 6, 264.	2.5	37
20	Development of Resistance to Pyrethroid in <i>Culex pipiens pallens</i> Population under Different Insecticide Selection Pressures. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003928.	3.0	37
21	Costly Resistance to Parasitism. <i>Genetics</i> , 2005, 169, 2127-2135.	2.9	36
22	<i>Plasmodium falciparum</i> genetic diversity in western Kenya highlands. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 1043-50.	1.4	36
23	Insecticide resistance of <i>Anopheles sinensis</i> and <i>An. vagus</i> in Hainan Island, a malaria-endemic area of China. <i>Parasites and Vectors</i> , 2014, 7, 92.	2.5	34
24	Impact of interventions on malaria in internally displaced persons along the China-Myanmar border: 2011-2014. <i>Malaria Journal</i> , 2016, 15, 471.	2.3	34
25	Seasonality modeling of the distribution of <i>Aedes albopictus</i> in China based on climatic and environmental suitability. <i>Infectious Diseases of Poverty</i> , 2019, 8, 98.	3.7	34
26	Phenotypic, genotypic and biochemical changes during pyrethroid resistance selection in <i>Anopheles gambiae</i> mosquitoes. <i>Scientific Reports</i> , 2020, 10, 19063.	3.3	31
27	Molecular epidemiology of drug-resistant malaria in western Kenya highlands. <i>BMC Infectious Diseases</i> , 2008, 8, 105.	2.9	30
28	Genetic diversity of <i>Leishmania donovani</i> that causes cutaneous leishmaniasis in Sri Lanka: a cross sectional study with regional comparisons. <i>BMC Infectious Diseases</i> , 2017, 17, 791.	2.9	30
29	Multiplicity and molecular epidemiology of <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> infections in East Africa. <i>Malaria Journal</i> , 2018, 17, 185.	2.3	30
30	Genetic diversity of <i>Plasmodium vivax</i> malaria in China and Myanmar. <i>Infection, Genetics and Evolution</i> , 2011, 11, 1419-1425.	2.3	28
31	Population dynamics and community structure of <i>Anopheles</i> mosquitoes along the China-Myanmar border. <i>Parasites and Vectors</i> , 2015, 8, 445.	2.5	27
32	Fitness consequences of <i>Anopheles gambiae</i> population hybridization. <i>Malaria Journal</i> , 2005, 4, 44.	2.3	25
33	Extensive new <i>Anopheles</i> cryptic species involved in human malaria transmission in western Kenya. <i>Scientific Reports</i> , 2020, 10, 16139.	3.3	24
34	Effects of Microclimate Condition Changes Due to Land Use and Land Cover Changes on the Survivorship of Malaria Vectors in China-Myanmar Border Region. <i>PLoS ONE</i> , 2016, 11, e0155301.	2.5	23
35	Analysis of asymptomatic and clinical malaria in urban and suburban settings of southwestern Ethiopia in the context of sustaining malaria control and approaching elimination. <i>Malaria Journal</i> , 2016, 15, 250.	2.3	22
36	<i>Anopheles sinensis</i> mosquito insecticide resistance: comparison of three mosquito sample collection and preparation methods and mosquito age in resistance measurements. <i>Parasites and Vectors</i> , 2014, 7, 54.	2.5	21

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37	Comparative transcriptome analysis and RNA interference reveal CYP6A8 and SNPs related to pyrethroid resistance in <i>Aedes albopictus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006828.	3.0	20
38	Insecticide resistance status of <i>Anopheles arabiensis</i> in irrigated and non-irrigated areas in western Kenya. <i>Parasites and Vectors</i> , 2021, 14, 335.	2.5	19
39	Quantitative Trait Loci for Susceptibility to Tapeworm Infection in the Red Flour Beetle. <i>Genetics</i> , 2003, 165, 1307-1315.	2.9	19
40	Amplified Fragment Length Polymorphism Mapping of Quantitative Trait Loci for Malaria Parasite Susceptibility in the Yellow Fever Mosquito <i>Aedes aegypti</i> . <i>Genetics</i> , 2006, 173, 1337-1345.	2.9	18
41	Alterations in <i>Plasmodium falciparum</i> Genetic Structure Two Years after Increased Malaria Control Efforts in Western Kenya. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 88, 29-36.	1.4	18
42	Life-table studies revealed significant effects of deforestation on the development and survivorship of <i>Anopheles minimus</i> larvae. <i>Parasites and Vectors</i> , 2016, 9, 323.	2.5	18
43	Larval ecology and bionomics of <i>Anopheles funestus</i> in highland and lowland sites in western Kenya. <i>PLoS ONE</i> , 2021, 16, e0255321.	2.5	18
44	Patterns of spatial genetic structures in <i>Aedes albopictus</i> (Diptera: Culicidae) populations in China. <i>Parasites and Vectors</i> , 2019, 12, 552.	2.5	17
45	Widespread multiple insecticide resistance in the major dengue vector <i>Aedes albopictus</i> in Hainan Province, China. <i>Pest Management Science</i> , 2021, 77, 1945-1953.	3.4	17
46	Spatial heterogeneity and temporal dynamics of mosquito population density and community structure in Hainan Island, China. <i>Parasites and Vectors</i> , 2020, 13, 444.	2.5	16
47	The effect of irrigation on malaria vector bionomics and transmission intensity in western Ethiopia. <i>Parasites and Vectors</i> , 2021, 14, 516.	2.5	16
48	Emerging Pyrethroid Resistance among <i>Anopheles arabiensis</i> in Kenya. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 704-709.	1.4	15
49	Burden of malaria, impact of interventions and climate variability in Western Ethiopia: an area with large irrigation based farming. <i>BMC Public Health</i> , 2022, 22, 196.	2.9	14
50	Prevalence and distribution of G6PD deficiency: implication for the use of primaquine in malaria treatment in Ethiopia. <i>Malaria Journal</i> , 2019, 18, 340.	2.3	13
51	Seasonal dynamics and molecular differentiation of three natural <i>Anopheles</i> species (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T and <i>Vectors</i> , 2020, 13, 574.	2.5	11
52	Transcription profiling of immune genes during parasite infection in susceptible and resistant strains of the flour beetles (<i>Tribolium castaneum</i>). <i>Experimental Parasitology</i> , 2013, 134, 61-67.	1.2	10
53	Vector Competence for DENV-2 Among <i>Aedes albopictus</i> (Diptera: Culicidae) Populations in China. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 649975.	3.9	10
54	Community structure and insecticide resistance of malaria vectors in northern-central Myanmar. <i>Parasites and Vectors</i> , 2022, 15, 155.	2.5	9

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55	Dynamics of Gene Introgression in the African Malaria Vector <i>Anopheles gambiae</i> . <i>Genetics</i> , 2006, 172, 2359-2365.	2.9	7
56	Identification of QTLs Conferring Resistance to Deltamethrin in <i>Culex pipiens pallens</i> . <i>PLoS ONE</i> , 2015, 10, e0140923.	2.5	7
57	Insecticide susceptibility status and knockdown resistance (kdr) mutation in <i>Aedes albopictus</i> in China. <i>Parasites and Vectors</i> , 2021, 14, 609.	2.5	7
58	Fine-Scale Analysis of Parasite Resistance Genes in the Red Flour Beetle, <i>Tribolium castaneum</i> . <i>Genetics</i> , 2013, 195, 253-261.	2.9	6
59	Insecticide Resistance Status and Mechanisms of <i>Anopheles sinensis</i> (Diptera: Culicidae) in Wenzhou, an Important Coastal Port City in China. <i>Journal of Medical Entomology</i> , 2019, 56, 803-810.	1.8	6
60	Multi-Indicator and Multistep Assessment of Malaria Transmission Risks in Western Kenya. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1359-1370.	1.4	6
61	Predicting distribution of malaria vector larval habitats in Ethiopia by integrating distributed hydrologic modeling with remotely sensed data. <i>Scientific Reports</i> , 2021, 11, 10150.	3.3	6
62	Population genetic structure of the malaria vector <i>Anopheles minimus</i> in Thailand based on mitochondrial DNA markers. <i>Parasites and Vectors</i> , 2021, 14, 496.	2.5	6
63	Genetic diversity and population structure of the human malaria parasite <i>Plasmodium falciparum</i> surface protein Pfs47 in isolates from the lowlands in Western Kenya. <i>PLoS ONE</i> , 2021, 16, e0260434.	2.5	6
64	Impact of underground storm drain systems on larval ecology of <i>Culex</i> and <i>Aedes</i> species in urban environments of Southern California. <i>Scientific Reports</i> , 2021, 11, 12667.	3.3	5
65	Genomic Variant Analyses in Pyrethroid Resistant and Susceptible Malaria Vector, <i>Anopheles sinensis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2185-2193.	1.8	4
66	Microgeographic Epidemiology of Malaria Parasites in an Irrigated Area of Western Kenya by Deep Amplicon Sequencing. <i>Journal of Infectious Diseases</i> , 2021, 223, 1456-1465.	4.0	4
67	Unraveling the Complexity of Imported Malaria Infections by Amplicon Deep Sequencing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 725859.	3.9	4
68	Behavioral response of insecticide-resistant mosquitoes against spatial repellent: A modified self-propelled particle model simulation. <i>PLoS ONE</i> , 2020, 15, e0244447.	2.5	4
69	Emerging Mosquito Resistance to Piperonyl Butoxide-Synergized Pyrethroid Insecticide and Its Mechanism. <i>Journal of Medical Entomology</i> , 2022, 59, 638-647.	1.8	3
70	A neural network prediction of environmental determinants of <i>Anopheles sinensis</i> knockdown resistance mutation to pyrethroids in China. <i>Journal of Vector Ecology</i> , 2016, 41, 295-302.	1.0	2
71	Polymorphism of Antifolate Drug Resistance in <i>Plasmodium vivax</i> From Local Residents and Migrant Workers Returned From the China-Myanmar Border. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 683423.	3.9	2
72	An Adaptive Intervention Trial Design for Finding the Optimal Integrated Strategies for Malaria Control and Elimination in Africa: A Model Simulation Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, , .	1.4	2

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73	Signatures of selection and drivers for novel mutation on transmission-blocking vaccine candidate Pfs25 gene in western Kenya. PLoS ONE, 2022, 17, e0266394.	2.5	2
74	Effects of Guangzhou seasonal climate change on the development of Aedes albopictus and its susceptibility to DENV-2. PLoS ONE, 2022, 17, e0266128.	2.5	2
75	Spatial heterogeneity of knockdown resistance mutations in the dengue vector Aedes albopictus in Guangzhou, China. Parasites and Vectors, 2022, 15, 156.	2.5	2
76	Rare Alleles and Signatures of Selection on the Immunodominant Domains of Pfs230 and Pfs48/45 in Malaria Parasites From Western Kenya. Frontiers in Genetics, 2022, 13, .	2.3	0