Guiyun Yan

List of Publications by Year
in descending order

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230 papers	10,639 citations	28274 55 h-index	51608 86 g-index
239 all docs	239 docs citations	239 times ranked	7976 citing authors

#	Article	IF	Citations
1	Highly evolvable malaria vectors: The genomes of 16 <i>Anopheles</i> mosquitoes. Science, 2015, 347, 1258522.	12.6	492
2	Dynamic Gut Microbiome across Life History of the Malaria Mosquito Anopheles gambiae in Kenya. PLoS ONE, 2011, 6, e24767.	2.5	469
3	Association between climate variability and malaria epidemics in the East African highlands. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2375-2380.	7.1	390
4	Urbanization Increases Aedes albopictus Larval Habitats and Accelerates Mosquito Development and Survivorship. PLoS Neglected Tropical Diseases, 2014, 8, e3301.	3.0	293
5	Genome sequence of the Asian Tiger mosquito, <i>Aedes albopictus</i> , reveals insights into its biology, genetics, and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5907-15.	7.1	251
6	Malaria in the Greater Mekong Subregion: Heterogeneity and complexity. Acta Tropica, 2012, 121, 227-239.	2.0	219
7	Insecticide-treated net (ITN) ownership, usage, and malaria transmission in the highlands of western Kenya. Parasites and Vectors, 2011, 4, 113.	2.5	157
8	EFFECTS OF MICROCLIMATIC CHANGES CAUSED BY DEFORESTATION ON THE SURVIVORSHIP AND REPRODUCTIVE FITNESS OF ANOPHELES GAMBIAE IN WESTERN KENYA HIGHLANDS. American Journal of Tropical Medicine and Hygiene, 2006, 74, 772-778.	1.4	154
9	Changing Patterns of Malaria Epidemiology between 2002 and 2010 in Western Kenya: The Fall and Rise of Malaria. PLoS ONE, 2011, 6, e20318.	2.5	144
10	ASSOCIATION BETWEEN LAND COVER AND HABITAT PRODUCTIVITY OF MALARIA VECTORS IN WESTERN KENYAN HIGHLANDS. American Journal of Tropical Medicine and Hygiene, 2006, 74, 69-75.	1.4	144
11	Effects of Microclimatic Changes Caused by Land Use and Land Cover on Duration of Gonotrophic Cycles of<i>Anopheles gambiae</i>(Diptera: Culicidae) in Western Kenya Highlands. Journal of Medical Entomology, 2005, 42, 974-980.	1.8	135
12	The Effects of Climatic Factors on the Distribution and Abundance of Malaria Vectors in Kenya. Journal of Medical Entomology, 2002, 39, 833-841.	1.8	131
13	SPATIAL DISTRIBUTION OF ANOPHELINE LARVAL HABITATS IN WESTERN KENYAN HIGHLANDS: EFFECTS OF LAND COVER TYPES AND TOPOGRAPHY. American Journal of Tropical Medicine and Hygiene, 2005, 73, 157-165.	1.4	131
14	Landscape determinants and remote sensing of anopheline mosquito larval habitats in the western Kenya highlands. Malaria Journal, 2006, 5, 13.	2.3	119
15	GENETIC DIVERSITY AND MULTIPLE INFECTIONS OF PLASMODIUM VIVAX MALARIA IN WESTERN THAILAND. American Journal of Tropical Medicine and Hygiene, 2003, 68, 613-619.	1.4	117
16	Deforestation and Vectorial Capacity of<i>Anopheles gambiae</i>Giles Mosquitoes in Malaria Transmission, Kenya. Emerging Infectious Diseases, 2008, 14, 1533-1538.	4.3	112
17	Spatial Relationship between Adult Malaria Vector Abundance and Environmental Factors in Western Kenya Highlands. American Journal of Tropical Medicine and Hygiene, 2007, 77, 29-35.	1.4	110
18	Topography and malaria transmission heterogeneity in western Kenya highlands: prospects for focal vector control. Malaria Journal, 2006, 5, 107.	2.3	109

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19	The ecology of <i>Anopheles</i> mosquitoes under climate change: case studies from the effects of deforestation in East African highlands. Annals of the New York Academy of Sciences, 2012, 1249, 204-210.	3.8	96
20	Competence of <i>Aedes aegypti</i>, <i>Ae. albopictus</i>, and <i>Culex quinquefasciatus</i> Mosquitoes as Zika Virus Vectors, China. Emerging Infectious Diseases, 2017, 23, 1085-1091.	4.3	95
21	Indoor and outdoor malaria vector surveillance in western Kenya: implications for better understanding of residual transmission. Malaria Journal, 2017, 16, 443.	2.3	92
22	The efficacy of long-lasting nets with declining physical integrity may be compromised in areas with high levels of pyrethroid resistance. Malaria Journal, 2013, 12, 368.	2.3	90
23	Population Dynamics of Malaria Vectors in Western Kenya Highlands. Journal of Medical Entomology, 2006, 43, 200-206.	1.8	90
24	Spatial distribution of anopheline larval habitats in Western Kenyan highlands: effects of land cover types and topography. American Journal of Tropical Medicine and Hygiene, 2005, 73, 157-65.	1.4	89
25	Effects of microclimatic changes caused by deforestation on the survivorship and reproductive fitness of Anopheles gambiae in western Kenya highlands. American Journal of Tropical Medicine and Hygiene, 2006, 74, 772-8.	1.4	89
26	Survivorship of<i>Anopheles gambiae</i>sensu stricto (Diptera: Culicidae) Larvae in Western Kenya Highland Forest. Journal of Medical Entomology, 2005, 42, 270-277.	1.8	87
27	Population Dynamics of Malaria Vectors in Western Kenya Highlands. Journal of Medical Entomology, 2006, 43, 200-206.	1.8	87
28	Role of <i>Plasmodium vivax</i> Duffy-binding protein 1 in invasion of Duffy-null Africans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6271-6276.	7.1	87
29	Association between land cover and habitat productivity of malaria vectors in western Kenyan highlands. American Journal of Tropical Medicine and Hygiene, 2006, 74, 69-75.	1.4	85
30	Genetic Analysis of Invasive Aedes albopictus Populations in Los Angeles County, California and Its Potential Public Health Impact. PLoS ONE, 2013, 8, e68586.	2.5	84
31	Relationships Between Occurrence of<i>Anopheles gambiae</i>s.l. (Diptera: Culicidae) and Size and Stability of Larval Habitats. Journal of Medical Entomology, 2005, 42, 295-300.	1.8	82
32	Estimating Dispersal and Survival of<i>Anopheles gambiae</i>and<i>Anopheles funestus</i>Along the Kenyan Coast by Using Markâ€“Releaseâ€“Recapture Methods. Journal of Medical Entomology, 2007, 44, 923-929.	1.8	82
33	Submicroscopic and asymptomatic Plasmodium falciparum and Plasmodium vivax infections are common in western Thailand - molecular and serological evidence. Malaria Journal, 2015, 14, 95.	2.3	82
34	SPATIO-TEMPORAL DISTRIBUTION OF PLASMODIUM FALCIPARUM AND P. VIVAX MALARIA IN THAILAND. American Journal of Tropical Medicine and Hygiene, 2005, 72, 256-262.	1.4	82
35	Molecular Ecology of Pyrethroid Knockdown Resistance in Culex pipiens pallens Mosquitoes. PLoS ONE, 2010, 5, e11681.	2.5	80
36	Comparative Transcriptome Analyses of Deltamethrin-Resistant and -Susceptible Anopheles gambiae Mosquitoes from Kenya by RNA-Seq. PLoS ONE, 2012, 7, e44607.	2.5	79

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37	Bacterial microbiota assemblage in <i>Aedes albopictus</i> mosquitoes and its impacts on larval development. Molecular Ecology, 2018, 27, 2972-2985.	3.9	78
38	Estimating Dispersal and Survival of <I>Anopheles gambiae</I> and <I>Anopheles funestus</I> Along the Kenyan Coast by Using Markâ€"Releaseâ€"Recapture Methods. Journal of Medical Entomology, 2007, 44, 923-929.	1.8	76
39	Life-Table Analysis of Anopheles arabiensis in Western Kenya Highlands: Effects of Land Covers on Larval and Adult Survivorship. American Journal of Tropical Medicine and Hygiene, 2007, 77, 660-666.	1.4	75
40	Surveillance of malaria vector population density and biting behaviour in western Kenya. Malaria Journal, 2015, 14, 244.	2.3	74
41	Anopheline Larval Habitats Seasonality and Species Distribution: A Prerequisite for Effective Targeted Larval Habitats Control Programmes. PLoS ONE, 2012, 7, e52084.	2.5	73
42	Multi-country Survey Revealed Prevalent and Novel F1534S Mutation in Voltage-Gated Sodium Channel (VGSC) Gene in Aedes albopictus. PLoS Neglected Tropical Diseases, 2016, 10, e0004696.	3.0	72
43	Common asymptomatic and submicroscopic malaria infections in Western Thailand revealed in longitudinal molecular and serological studies: a challenge to malaria elimination. Malaria Journal, 2016, 15, 333.	2.3	70
44	Predation efficiency of Anopheles gambiae larvae by aquatic predators in western Kenya highlands. Parasites and Vectors, 2011, 4, 128.	2.5	68
45	MALARIA VECTOR PRODUCTIVITY IN RELATION TO THE HIGHLAND ENVIRONMENT IN KENYA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 448-453.	1.4	66
46	Spatial relationship between adult malaria vector abundance and environmental factors in western Kenya highlands. American Journal of Tropical Medicine and Hygiene, 2007, 77, 29-35.	1.4	66
47	<i>Plasmodium falciparum</i>Spatial Analysis, Western Kenya Highlands. Emerging Infectious Diseases, 2005, 11, 1571-1577.	4.3	65
48	Multiple Resistances and Complex Mechanisms of Anopheles sinensis Mosquito: A Major Obstacle to Mosquito-Borne Diseases Control and Elimination in China. PLoS Neglected Tropical Diseases, 2014, 8, e2889.	3.0	64
49	Comparative evaluation of the efficiency of the BG-Sentinel trap, CDC light trap and Mosquito-oviposition trap for the surveillance of vector mosquitoes. Parasites and Vectors, 2016, 9, 446.	2.5	64
50	Evidence for multiple-insecticide resistance in urban Aedes albopictus populations in southern China. Parasites and Vectors, 2018, 11, 4.	2.5	62
51	Land Use and Land Cover Changes and Spatiotemporal Dynamics of Anopheline Larval Habitats during a Four-Year Period in a Highland Community of Africa. American Journal of Tropical Medicine and Hygiene, 2009, 81, 1079-1084.	1.4	61
52	Relationship between Knockdown Resistance, Metabolic Detoxification and Organismal Resistance to Pyrethroids in Anopheles sinensis. PLoS ONE, 2013, 8, e55475.	2.5	61
53	Protein Microarray Analysis of Antibody Responses to Plasmodium falciparum in Western Kenyan Highland Sites with Differing Transmission Levels. PLoS ONE, 2013, 8, e82246.	2.5	61
54	Low Parasitemia in Submicroscopic Infections Significantly Impacts Malaria Diagnostic Sensitivity in the Highlands of Western Kenya. PLoS ONE, 2015, 10, e0121763.	2.5	60

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55	Community-wide benefits of targeted indoor residual spray for malaria control in the Western Kenya Highland. Malaria Journal, 2010, 9, 67.	2.3	59
56	Indoor residual spray and insecticide-treated bednets for malaria control: theoretical synergisms and antagonisms. Journal of the Royal Society Interface, 2011, 8, 799-806.	3.4	59
57	Evaluation of CDC light traps for mosquito surveillance in a malaria endemic area on the Thai-Myanmar border. Parasites and Vectors, 2015, 8, 636.	2.5	58
58	Blood-meal analysis for anopheline mosquitoes sampled along the Kenyan coast. Journal of the American Mosquito Control Association, 2003, 19, 371-5.	0.7	58
59	Transmission dynamics of co-endemic Plasmodium vivax and P. falciparum in Ethiopia and prevalence of antimalarial resistant genotypes. PLoS Neglected Tropical Diseases, 2017, 11, e0005806.	3.0	57
60	Oviposition Site Preference and Egg Hatchability of<i>Anopheles gambiae</i>: Effects of Land Cover Types. Journal of Medical Entomology, 2005, 42, 993-997.	1.8	56
61	Pyrethroid and DDT Resistance and Organophosphate Susceptibility among<i>Anopheles</i>spp. Mosquitoes, Western Kenya. Emerging Infectious Diseases, 2015, 21, 2178-2181.	4.3	56
62	Plasmodium falciparum Genetic Diversity in Western Kenya Highlands. American Journal of Tropical Medicine and Hygiene, 2007, 77, 1043-1050.	1.4	56
63	Nested PCR detection of malaria directly using blood filter paper samples from epidemiological surveys. Malaria Journal, 2014, 13, 175.	2.3	55
64	Natural human Plasmodium infections in major Anopheles mosquitoes in western Thailand. Parasites and Vectors, 2016, 9, 17.	2.5	54
65	Topography as a modifier of breeding habitats and concurrent vulnerability to malaria risk in the western Kenya highlands. Parasites and Vectors, 2011, 4, 241.	2.5	52
66	Molecular epidemiology of Plasmodium vivax and Plasmodium falciparum malaria among Duffy-positive and Duffy-negative populations in Ethiopia. Malaria Journal, 2015, 14, 84.	2.3	51
67	Spatial Distribution Patterns of Malaria Vectors and Sample Size Determination in Spatially Heterogeneous Environments: A Case Study in the West Kenyan Highland. Journal of Medical Entomology, 2004, 41, 1001-1009.	1.8	50
68	Spatio-temporal distribution of Plasmodium falciparum and p. Vivax malaria in Thailand. American Journal of Tropical Medicine and Hygiene, 2005, 72, 256-62.	1.4	50
69	Genetic diversity of Plasmodium falciparum histidine-rich protein 2 in the Chinaâ€"Myanmar border area. Acta Tropica, 2015, 152, 26-31.	2.0	49
70	Evaluation of long-lasting microbial larvicide for malaria vector control in Kenya. Malaria Journal, 2016, 15, 577.	2.3	49
71	Malaria vector productivity in relation to the highland environment in Kenya. American Journal of Tropical Medicine and Hygiene, 2006, 75, 448-53.	1.4	49
72	Therapeutic Responses of Plasmodium vivax Malaria to Chloroquine and Primaquine Treatment in Northeastern Myanmar. Antimicrobial Agents and Chemotherapy, 2015, 59, 1230-1235.	3.2	48

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73	Independent Origin and Global Distribution of Distinct Plasmodium vivax Duffy Binding Protein Gene Duplications. PLoS Neglected Tropical Diseases, 2016, 10, e0005091.	3.0	48
74	Genetic structure of Plasmodium falciparum populations between lowland and highland sites and antimalarial drug resistance in Western Kenya. Infection, Genetics and Evolution, 2009, 9, 806-812.	2.3	47
75	Microgeography and molecular epidemiology of malaria at the Thailand-Myanmar border in the malaria pre-elimination phase. Malaria Journal, 2015, 14, 198.	2.3	47
76	Microbial larvicides for mosquito control: Impact of long lasting formulations of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> and <i>Bacillus sphaericus</i> on nonâ€target organisms in western Kenya highlands. Ecology and Evolution, 2018, 8, 7563-7573.	1.9	45
77	DNA PROFILING OF HUMAN BLOOD IN ANOPHELINES FROM LOWLAND AND HIGHLAND SITES IN WESTERN KENYA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 231-237.	1.4	45
78	Evaluation of universal coverage of insecticide-treated nets in western Kenya: field surveys. Malaria Journal, 2014, 13, 351.	2.3	44
79	Active case surveillance, passive case surveillance and asymptomatic malaria parasite screening illustrate different age distribution, spatial clustering and seasonality in western Kenya. Malaria Journal, 2015, 14, 41.	2.3	43
80	Survivorship of Immature Stages of<i>Anopheles gambiae</i>s.l. (Diptera: Culicidae) in Natural Habitats in Western Kenya Highlands. Journal of Medical Entomology, 2007, 44, 758-764.	1.8	42
81	Challenges and prospects for malaria elimination in the Greater Mekong Subregion. Acta Tropica, 2012, 121, 240-245.	2.0	42
82	Transcriptome profiling of pyrethroid resistant and susceptible mosquitoes in the malaria vector, Anopheles sinensis. BMC Genomics, 2014, 15, 448.	2.8	42
83	Molecular approaches to determine the multiplicity of Plasmodium infections. Malaria Journal, 2018, 17, 172.	2.3	42
84	Life-table analysis of Anopheles arabiensis in western Kenya highlands: effects of land covers on larval and adult survivorship. American Journal of Tropical Medicine and Hygiene, 2007, 77, 660-6.	1.4	41
85	Survivorship of <I>Anopheles gambiae</I> sensu stricto (Diptera: Culicidae) Larvae in Western Kenya Highland Forest. Journal of Medical Entomology, 2005, 42, 270-277.	1.8	40
86	Evaluation of two methods of estimating larval habitat productivity in western Kenya highlands. Parasites and Vectors, 2011, 4, 110.	2.5	40
87	Variation in exposure to Anopheles gambiae salivary gland peptide (gSG6-P1) across different malaria transmission settings in the western Kenya highlands. Malaria Journal, 2012, 11, 318.	2.3	40
88	Landscape genetic structure and evolutionary genetics of insecticide resistance gene mutations in Anopheles sinensis. Parasites and Vectors, 2016, 9, 228.	2.5	40
89	Fast emerging insecticide resistance in Aedes albopictus in Guangzhou, China: Alarm to the dengue epidemic. PLoS Neglected Tropical Diseases, 2019, 13, e0007665.	3.0	39
90	Impacts of Antimalarial Drugs on Plasmodium falciparum Drug Resistance Markers, Western Kenya, 2003â€“2015. American Journal of Tropical Medicine and Hygiene, 2018, 98, 692-699.	1.4	39

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91	Habitat stability and occurrences of malaria vector larvae in western Kenya highlands. Malaria Journal, 2009, 8, 234.	2.3	38
92	Plasmodium falciparum populations from northeastern Myanmar display high levels of genetic diversity at multiple antigenic loci. Acta Tropica, 2013, 125, 53-59.	2.0	38
93	Insecticide Resistance in Areas Under Investigation by the International Centers of Excellence for Malaria Research: A Challenge for Malaria Control and Elimination. American Journal of Tropical Medicine and Hygiene, 2015, 93, 69-78.	1.4	38
94	Plasmodium Gametocytes in Field Studies: Do We Measure Commitment to Transmission or Detectability?. Trends in Parasitology, 2018, 34, 378-387.	3.3	38
95	The Anopheles community and the role of Anopheles minimus on malaria transmission on the China-Myanmar border. Parasites and Vectors, 2013, 6, 264.	2.5	37
96	Utility of Health Facility-based Malaria Data for Malaria Surveillance. PLoS ONE, 2013, 8, e54305.	2.5	37
97	The current malaria morbidity and mortality in different transmission settings in Western Kenya. PLoS ONE, 2018, 13, e0202031.	2.5	37
98	Development of Resistance to Pyrethroid in Culex pipiens pallens Population under Different Insecticide Selection Pressures. PLoS Neglected Tropical Diseases, 2015, 9, e0003928.	3.0	37
99	Plasmodium falciparum genetic diversity in western Kenya highlands. American Journal of Tropical Medicine and Hygiene, 2007, 77, 1043-50.	1.4	36
100	Risk factors associated with slide positivity among febrile patients in a conflict zone of north-eastern Myanmar along the China-Myanmar border. Malaria Journal, 2013, 12, 361.	2.3	35
101	Insecticidal decay effects of long-lasting insecticide nets and indoor residual spraying on Anopheles gambiae and Anopheles arabiensis in Western Kenya. Parasites and Vectors, 2015, 8, 588.	2.5	35
102	RNA-seq analyses of changes in the Anopheles gambiae transcriptome associated with resistance to pyrethroids in Kenya: identification of candidate-resistance genes and candidate-resistance SNPs. Parasites and Vectors, 2015, 8, 474.	2.5	35
103	Performance of two rapid diagnostic tests for malaria diagnosis at the China-Myanmar border area. Malaria Journal, 2013, 12, 73.	2.3	34
104	Insecticide resistance of Anopheles sinensis and An. vagus in Hainan Island, a malaria-endemic area of China. Parasites and Vectors, 2014, 7, 92.	2.5	34
105	Impact of interventions on malaria in internally displaced persons along the Chinaâ€“Myanmar border: 2011â€“2014. Malaria Journal, 2016, 15, 471.	2.3	34
106	<i>Plasmodium malariae</i>Prevalence and<i>csp</i>Gene Diversity, Kenya, 2014 and 2015. Emerging Infectious Diseases, 2017, 23, 601-610.	4.3	34
107	DNA profiling of human blood in anophelines from lowland and highland sites in western Kenya. American Journal of Tropical Medicine and Hygiene, 2006, 75, 231-7.	1.4	34
108	Monooxygenase Levels and Knockdown Resistance (<I>kdr</I>) Allele Frequencies in <I>Anopheles gambiae</I> and <I>Anopheles arabiensis</I> in Kenya. Journal of Medical Entomology, 2008, 45, 242-250.	1.8	33

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109	Effects of Microclimatic Changes Caused by Land Use and Land Cover on Duration of Gonotrophic Cycles of <I>Anopheles gambiae</I> (Diptera: Culicidae) in Western Kenya Highlands. Journal of Medical Entomology, 2005, 42, 974-980.	1.8	32
110	Survivorship of Immature Stages of <I>Anopheles gambiae</I> s.l. (Diptera: Culicidae) in Natural Habitats in Western Kenya Highlands. Journal of Medical Entomology, 2007, 44, 758-764.	1.8	32
111	Frequent Spread of Plasmodium vivax Malaria Maintains High Genetic Diversity at the Myanmar-China Border, Without Distance and Landscape Barriers. Journal of Infectious Diseases, 2017, 216, 1254-1263.	4.0	32
112	Phenotypic, genotypic and biochemical changes during pyrethroid resistance selection in Anopheles gambiae mosquitoes. Scientific Reports, 2020, 10, 19063.	3.3	31
113	Genome-Wide Patterns of Gene Expression during Aging in the African Malaria Vector Anopheles gambiae. PLoS ONE, 2010, 5, e13359.	2.5	31
114	Molecular epidemiology of drug-resistant malaria in western Kenya highlands. BMC Infectious Diseases, 2008, 8, 105.	2.9	30
115	Effects of co-habitation between Anopheles gambiae s.s. and Culex quinquefasciatus aquatic stages on life history traits. Parasites and Vectors, 2012, 5, 33.	2.5	30
116	Multiplicity and molecular epidemiology of Plasmodium vivax and Plasmodium falciparum infections in East Africa. Malaria Journal, 2018, 17, 185.	2.3	30
117	Resting behaviour of malaria vectors in highland and lowland sites of western Kenya: Implication on malaria vector control measures. PLoS ONE, 2020, 15, e0224718.	2.5	30
118	Clinical Malaria along the Chinaâ€“Myanmar Border, Yunnan Province, China, January 2011â€“August 2012. Emerging Infectious Diseases, 2014, 20, 681-684.	4.3	29
119	Clinical Efficacy of Dihydroartemisininâ€“Piperaquine for the Treatment of Uncomplicated Plasmodium falciparum Malaria at the Chinaâ€“Myanmar Border. American Journal of Tropical Medicine and Hygiene, 2015, 93, 577-583.	1.4	29
120	Seasonal dynamics and microgeographical spatial heterogeneity of malaria along the Chinaâ€“Myanmar border. Acta Tropica, 2016, 157, 12-19.	2.0	29
121	Influence of blood meal and age of mosquitoes on susceptibility to pyrethroids in Anopheles gambiae from Western Kenya. Malaria Journal, 2019, 18, 112.	2.3	29
122	Impact of sugarcane irrigation on malaria vector Anopheles mosquito fauna, abundance and seasonality in Arjo-Didessa, Ethiopia. Malaria Journal, 2020, 19, 344.	2.3	29
123	Effects of environmental modification on the diversity and positivity of anopheline mosquito aquatic habitats at Arjo-Dedessa irrigation development site, Southwest Ethiopia. Infectious Diseases of Poverty, 2020, 9, 9.	3.7	29
124	Genetic diversity of Plasmodium vivax malaria in China and Myanmar. Infection, Genetics and Evolution, 2011, 11, 1419-1425.	2.3	28
125	Epidemiological risk factors for clinical malaria infection in the highlands of Western Kenya. Malaria Journal, 2019, 18, 211.	2.3	28
126	Relationships Between Occurrence of <I>Anopheles gambiae</I> s.l. (Diptera: Culicidae) and Size and Stability of Larval Habitats. Journal of Medical Entomology, 2005, 42, 295-300.	1.8	27

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127	Marked variation in MSP-119 antibody responses to malaria in western Kenyan highlands. BMC Infectious Diseases, 2012, 12, 50.	2.9	27
128	Population dynamics and community structure of Anopheles mosquitoes along the China-Myanmar border. Parasites and Vectors, 2015, 8, 445.	2.5	27
129	Insecticide-Treated Net Campaign and Malaria Transmission in Western Kenya: 2003â€"2015. Frontiers in Public Health, 2016, 4, 153.	2.7	27
130	Patterns of human exposure to early evening and outdoor biting mosquitoes and residual malaria transmission in Ethiopia. Acta Tropica, 2021, 216, 105837.	2.0	27
131	Frequent expansion of Plasmodium vivax Duffy Binding Protein in Ethiopia and its epidemiological significance. PLoS Neglected Tropical Diseases, 2019, 13, e0007222.	3.0	25
132	Ten years malaria trend at Arjo-Didessa sugar development site and its vicinity, Southwest Ethiopia: a retrospective study. Malaria Journal, 2019, 18, 145.	2.3	25
133	Whole genome sequencing of Plasmodium vivax isolates reveals frequent sequence and structural polymorphisms in erythrocyte binding genes. PLoS Neglected Tropical Diseases, 2020, 14, e0008234.	3.0	25
134	High-throughput Plasmodium falciparum hrp2 and hrp3 gene deletion typing by digital PCR to monitor malaria rapid diagnostic test efficacy. ELife, 0, 11, .	6.0	25
135	Efficacy and persistence of long-lasting microbial larvicides against malaria vectors in western Kenya highlands. Parasites and Vectors, 2018, 11, 438.	2.5	24
136	Extensive new Anopheles cryptic species involved in human malaria transmission in western Kenya. Scientific Reports, 2020, 10, 16139.	3.3	24
137	Impact of deltamethrin-resistance in Aedes albopictus on its fitness cost and vector competence. PLoS Neglected Tropical Diseases, 2021, 15, e0009391.	3.0	24
138	A first report of Anopheles funestus sibling species in western Kenya highlands. Acta Tropica, 2013, 128, 158-161.	2.0	23
139	Effects of Microclimate Condition Changes Due to Land Use and Land Cover Changes on the Survivorship of Malaria Vectors in China-Myanmar Border Region. PLoS ONE, 2016, 11, e0155301.	2.5	23
140	Analysis of asymptomatic and clinical malaria in urban and suburban settings of southwestern Ethiopia in the context of sustaining malaria control and approaching elimination. Malaria Journal, 2016, 15, 250.	2.3	22
141	Trends in insecticide resistance in Culex pipiens pallens over 20Âyears in Shandong, China. Parasites and Vectors, 2019, 12, 167.	2.5	22
142	Naturally Acquired Antibody Responses to Plasmodium vivax and Plasmodium falciparum Merozoite Surface Protein 1 (MSP1) C-Terminal 19 kDa Domains in an Area of Unstable Malaria Transmission in Southeast Asia. PLoS ONE, 2016, 11, e0151900.	2.5	22
143	Anopheles sinensis mosquito insecticide resistance: comparison of three mosquito sample collection and preparation methods and mosquito age in resistance measurements. Parasites and Vectors, 2014, 7, 54.	2.5	21
144	Enhancing attraction of the vector mosquito Aedes albopictus by using a novel synthetic odorant blend. Parasites and Vectors, 2019, 12, 382.	2.5	21

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145	Modest additive effects of integrated vector control measures on malaria prevalence and transmission in western Kenya. Malaria Journal, 2013, 12, 256.	2.3	20
146	Gene Expression-Based Biomarkers for Anopheles gambiae Age Grading. PLoS ONE, 2013, 8, e69439.	2.5	20
147	Molecular inference of sources and spreading patterns of Plasmodium falciparum malaria parasites in internally displaced persons settlements in Myanmarâ€"China border area. Infection, Genetics and Evolution, 2015, 33, 189-196.	2.3	20
148	Genetic diversity of the Plasmodium falciparum apical membrane antigen I gene in parasite population from the Chinaâ€"Myanmar border area. Infection, Genetics and Evolution, 2016, 39, 155-162.	2.3	20
149	Comparative transcriptome analysis and RNA interference reveal CYP6A8 and SNPs related to pyrethroid resistance in Aedes albopictus. PLoS Neglected Tropical Diseases, 2018, 12, e0006828.	3.0	20
150	Vertical transmission of zika virus in Aedes albopictus. PLoS Neglected Tropical Diseases, 2020, 14, e0008776.	3.0	20
151	Detection of foci of residual malaria transmission through reactive case detection in Ethiopia. Malaria Journal, 2018, 17, 390.	2.3	19
152	Evaluation of human-baited double net trap and human-odour-baited CDC light trap for outdoor host-seeking malaria vector surveillance in Kenya and Ethiopia. Malaria Journal, 2020, 19, 174.	2.3	19
153	Insecticide resistance status of Anopheles arabiensis in irrigated and non-irrigated areas in western Kenya. Parasites and Vectors, 2021, 14, 335.	2.5	19
154	Life-table studies revealed significant effects of deforestation on the development and survivorship of Anopheles minimus larvae. Parasites and Vectors, 2016, 9, 323.	2.5	18
155	Reactive case detection of Plasmodium falciparum in western Kenya highlands: effective in identifying additional cases, yet limited effect on transmission. Malaria Journal, 2018, 17, 111.	2.3	18
156	Larval ecology and bionomics of Anopheles funestus in highland and lowland sites in western Kenya. PLoS ONE, 2021, 16, e0255321.	2.5	18
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