

Frederic Simard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3770391/publications.pdf>

Version: 2024-02-01

190
papers

11,552
citations

22132

59
h-index

40954

93
g-index

201
all docs

201
docs citations

201
times ranked

7680
citing authors

#	ARTICLE	IF	CITATIONS
1	Sterile Insect Technique (SIT) against <i>Aedes</i> Species Mosquitoes: A Roadmap and Good Practice Framework for Designing, Implementing and Evaluating Pilot Field Trials. <i>Insects</i> , 2021, 12, 191.	1.0	34
2	A PCR-RFLP method for genotyping of inversion 2Rc in <i>Anopheles coluzzii</i> . <i>Parasites and Vectors</i> , 2021, 14, 174.	1.0	3
3	Living with predators at the larval stage has differential long-lasting effects on adult life history and physiological traits in two anopheline mosquito species. <i>Journal of Insect Physiology</i> , 2021, 131, 104234.	0.9	6
4	Data-driven and interpretable machine-learning modeling to explore the fine-scale environmental determinants of malaria vectors biting rates in rural Burkina Faso. <i>Parasites and Vectors</i> , 2021, 14, 345.	1.0	12
5	Effects of insemination and blood-feeding on locomotor activity of wild-derived females of the malaria mosquito <i>Anopheles coluzzii</i> . <i>Parasites and Vectors</i> , 2021, 14, 457.	1.0	6
6	Low Malaria Transmission in Rosso, an Irrigated Rice-Growing Area in Mauritania. <i>Parasitologia</i> , 2021, 1, 257-268.	0.6	3
7	Strategic Approach, Advances, and Challenges in the Development and Application of the SIT for Area-Wide Control of <i>Aedes albopictus</i> Mosquitoes in Reunion Island. <i>Insects</i> , 2020, 11, 770.	1.0	19
8	First report of <i>Anopheles (Cellia) multicolor</i> during a study of tolerance to salinity of <i>Anopheles arabiensis</i> larvae in Nouakchott, Mauritania. <i>Parasites and Vectors</i> , 2020, 13, 522.	1.0	7
9	Cancer and mosquitoes – An unsuspected close connection. <i>Science of the Total Environment</i> , 2020, 743, 140631.	3.9	3
10	A new species in the major malaria vector complex sheds light on reticulated species evolution. <i>Scientific Reports</i> , 2019, 9, 14753.	1.6	56
11	Oasis Malaria, Northern Mauritania. <i>Emerging Infectious Diseases</i> , 2019, 25, 273-280.	2.0	15
12	Natural <i>Wolbachia</i> infections are common in the major malaria vectors in Central Africa. <i>Evolutionary Applications</i> , 2019, 12, 1583-1594.	1.5	36
13	Is Perceived Exposure to Mosquitoes Associated with Actual Exposure? Results from Studies in High-Risk and Low-Risk Geographic Areas. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 976-979.	0.6	5
14	Current and future distribution of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> (Diptera: Culicidae) in WHO Eastern Mediterranean Region. <i>International Journal of Health Geographics</i> , 2018, 17, 4.	1.2	58
15	Potential of <i>Aedes albopictus</i> as a bridge vector for enzootic pathogens at the urban-forest interface in Brazil. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-8.	3.0	47
16	Supporting and strengthening research on urban health interventions for the prevention and control of vector-borne and other infectious diseases of poverty: scoping reviews and research gap analysis. <i>Infectious Diseases of Poverty</i> , 2018, 7, 94.	1.5	13
17	Seasonal abundance, blood meal sources and insecticide susceptibility in major anopheline malaria vectors from southern Mauritania. <i>Parasites and Vectors</i> , 2018, 11, 232.	1.0	9
18	Optimizing public health strategies in low-income countries: the challenges to apply the scientific knowledge for disease control and for which diseases. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Optimizing public health strategies in low-income countries: epidemiology, ecology and evolution for the control of malaria. , 2018, , .		1
20	Chromosome inversions and ecological plasticity in the main African malaria mosquitoes. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 686-701.	1.1	51
21	Mosquitoes (Diptera: Culicidae) in Mauritania: a review of their biodiversity, distribution and medical importance. <i>Parasites and Vectors</i> , 2017, 10, 35.	1.0	40
22	No evidence for manipulation of <i>Anopheles gambiae</i> , <i>An. coluzzii</i> and <i>An. arabiensis</i> host preference by <i>Plasmodium falciparum</i> . <i>Scientific Reports</i> , 2017, 7, 9415.	1.6	23
23	Dissecting functional components of reproductive isolation among closely related sympatric species of the <i>Anopheles gambiae</i> complex. <i>Evolutionary Applications</i> , 2017, 10, 1102-1120.	1.5	39
24	An ecological and digital epidemiology analysis on the role of human behavior on the 2014 Chikungunya outbreak in Martinique. <i>Scientific Reports</i> , 2017, 7, 5967.	1.6	18
25	malERA: An updated research agenda for insecticide and drug resistance in malaria elimination and eradication. <i>PLoS Medicine</i> , 2017, 14, e1002450.	3.9	55
26	Comparative physiological plasticity to desiccation in distinct populations of the malarial mosquito <i>Anopheles coluzzii</i> . <i>Parasites and Vectors</i> , 2016, 9, 565.	1.0	11
27	Monitoring Dry Season Persistence of <i>Anopheles gambiae</i> s.l. Populations in a Contained Semi-Field System in Southwestern Burkina Faso, West Africa. <i>Journal of Medical Entomology</i> , 2016, 53, 130-138.	0.9	14
28	Malaria in three epidemiological strata in Mauritania. <i>Malaria Journal</i> , 2016, 15, 204.	0.8	21
29	Massive yet grossly underestimated global costs of invasive insects. <i>Nature Communications</i> , 2016, 7, 12986.	5.8	546
30	Advancing vector biology research: a community survey for future directions, research applications and infrastructure requirements. <i>Pathogens and Global Health</i> , 2016, 110, 164-172.	1.0	3
31	Morphological changes in the spiracles of <i>Anopheles gambiae</i> s.l (Diptera) as a response to the dry season conditions in Burkina Faso (West Africa). <i>Parasites and Vectors</i> , 2016, 9, 11.	1.0	17
32	Trapping the Tiger: Efficacy of the Novel BG-Sentinel 2 With Several Attractants and Carbon Dioxide for Collecting <i>Aedes albopictus</i> (Diptera: Culicidae) in Southern France. <i>Journal of Medical Entomology</i> , 2016, 53, 460-465.	0.9	30
33	Averting a malaria disaster: will insecticide resistance derail malaria control?. <i>Lancet, The</i> , 2016, 387, 1785-1788.	6.3	366
34	Plant-Mediated Effects on Mosquito Capacity to Transmit Human Malaria. <i>PLoS Pathogens</i> , 2016, 12, e1005773.	2.1	54
35	Imported chikungunya cases in an area newly colonised by <i>Aedes albopictus</i> : mathematical assessment of the best public health strategy. <i>Eurosurveillance</i> , 2016, 21, .	3.9	6
36	<i>Aedes aegypti</i> (Diptera: Culicidae) in Mauritania: First Report on the Presence of the Arbovirus Mosquito Vector in Nouakchott. <i>Journal of Medical Entomology</i> , 2015, 52, 730-733.	0.9	17

#	ARTICLE	IF	CITATIONS
37	Evidence for carry-over effects of predator exposure on pathogen transmission potential. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152430.	1.2	56
38	Seasonal variation in wing size and shape between geographic populations of the malaria vector, <i>Anopheles coluzzii</i> in Burkina Faso (West Africa). <i>Acta Tropica</i> , 2015, 143, 79-88.	0.9	26
39	Larval Habitats Characterization and Species Composition of <i>Anopheles</i> Mosquitoes in Tunisia, with Particular Attention to <i>Anopheles maculipennis</i> Complex. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 653-659.	0.6	14
40	Spatial genetic structure and restricted gene flow in bed bugs (<i>Cimex lectularius</i>) populations in France. <i>Infection, Genetics and Evolution</i> , 2015, 34, 236-243.	1.0	21
41	Distribution of <i>Plasmodium falciparum</i> gametocytes and malaria-attributable fraction of fever episodes along an altitudinal transect in Western Cameroon. <i>Malaria Journal</i> , 2015, 14, 96.	0.8	14
42	Combining two-dimensional gel electrophoresis and metabolomic data in support of dry-season survival in the two main species of the malarial mosquito <i>Anopheles gambiae</i> . <i>Data in Brief</i> , 2015, 5, 255-268.	0.5	6
43	Highly evolvable malaria vectors: The genomes of 16 <i>Anopheles</i> mosquitoes. <i>Science</i> , 2015, 347, 1258522.	6.0	492
44	Life history consequences of larval foraging depth differ between two competing <i>Anopheles</i> mosquitoes. <i>Ecological Entomology</i> , 2015, 40, 143-149.	1.1	5
45	Autochthonous Chikungunya Transmission and Extreme Climate Events in Southern France. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003854.	1.3	59
46	The Spread of <i>Aedes albopictus</i> in Metropolitan France: Contribution of Environmental Drivers and Human Activities and Predictions for a Near Future. <i>PLoS ONE</i> , 2015, 10, e0125600.	1.1	85
47	Metabolomic and Ecdysteroid Variations in <i>Anopheles gambiae</i> s.l. Mosquitoes Exposed to the Stressful Conditions of the Dry Season in Burkina Faso, West Africa. <i>Physiological and Biochemical Zoology</i> , 2014, 87, 486-497.	0.6	24
48	Divergence in threat sensitivity among aquatic larvae of cryptic mosquito species. <i>Journal of Animal Ecology</i> , 2014, 83, 702-711.	1.3	23
49	Larval competition between <i>An. coluzzii</i> and <i>An. gambiae</i> in insectary and semi-field conditions in Burkina Faso. <i>Acta Tropica</i> , 2014, 130, 155-161.	0.9	5
50	Occurrence of natural <i>Anopheles arabiensis</i> swarms in an urban area of Bobo-Dioulasso city, Burkina Faso, West Africa. <i>Acta Tropica</i> , 2014, 132, S35-S41.	0.9	28
51	Review: Improving our knowledge of male mosquito biology in relation to genetic control programmes. <i>Acta Tropica</i> , 2014, 132, S2-S11.	0.9	78
52	Polymorphic chromosomal inversions in <i>Anopheles moucheti</i> , a major malaria vector in Central Africa. <i>Medical and Veterinary Entomology</i> , 2014, 28, 337-340.	0.7	8
53	A multiplex PCR to differentiate the two sibling species of mosquitoes <i>Ochlerotatus detritus</i> and <i>Oc. coluzzii</i> and evidence for further genetic heterogeneity within the <i>Detritus</i> complex. <i>Infection, Genetics and Evolution</i> , 2014, 28, 676-680.	1.0	9
54	Novel insights into the metabolic and biochemical underpinnings assisting dry-season survival in female malaria mosquitoes of the <i>Anopheles gambiae</i> complex. <i>Journal of Insect Physiology</i> , 2014, 70, 102-116.	0.9	33

#	ARTICLE	IF	CITATIONS
55	The niche reduction approach: an opportunity for optimal control of infectious diseases in low-income countries?. BMC Public Health, 2014, 14, 753.	1.2	8
56	Genetic polymorphism at an odorant receptor gene (Or39) among mosquitoes of the Anopheles gambiae complex in Senegal (West Africa). BMC Research Notes, 2014, 7, 321.	0.6	0
57	Effect of three larval diets on larval development and male sexual performance of Anopheles gambiae s.s.. Acta Tropica, 2014, 132, S96-S101.	0.9	29
58	Swarming behaviour in natural populations of Anopheles gambiae and An. coluzzii: Review of 4 years survey in rural areas of sympatry, Burkina Faso (West Africa). Acta Tropica, 2014, 132, S42-S52.	0.9	46
59	Multigene Phylogenetics Reveals Temporal Diversification of Major African Malaria Vectors. PLoS ONE, 2014, 9, e93580.	1.1	22
60	Multiple insecticide resistance mechanisms in Anopheles gambiae s.l. populations from Cameroon, Central Africa. Parasites and Vectors, 2013, 6, 41.	1.0	93
61	Cytogenetic analysis of Anopheles ovengensis revealed high structural divergence of chromosomes in the Anopheles nili group. Infection, Genetics and Evolution, 2013, 16, 341-348.	1.0	12
62	Effects of Age and Size on <i>Anopheles gambiae&/i> s.s. Male Mosquito Mating Success. Journal of Medical Entomology, 2013, 50, 285-293.	0.9	50
63	First report of the L1014S kdr mutation in wild populations of Anopheles gambiae M and S molecular forms in Burkina Faso (West Africa). Acta Tropica, 2013, 125, 123-127.	0.9	30
64	Larvae of cryptic species of <i>Anopheles gambiae&/i> respond differently to cues of predation risk. Freshwater Biology, 2013, 58, 1178-1189.	1.2	13
65	Assortative mating in mixed swarms of the mosquito <i>Anopheles gambiae s.s.&/i>. M and S molecular forms, in Burkina Faso, West Africa. Medical and Veterinary Entomology, 2013, 27, 298-312.	0.7	37
66	Geographic population structure of the African malaria vector <i>Anopheles gambiae&/i> suggests a role for the forest-savannah biome transition as a barrier to gene flow. Evolutionary Applications, 2013, 6, 910-924.	1.5	29
67	Identification of Cryptic Anopheles Mosquito Species by Molecular Protein Profiling. PLoS ONE, 2013, 8, e57486.	1.1	85
68	Cryptic Genetic Diversity within the Anopheles nili group of Malaria Vectors in the Equatorial Forest Area of Cameroon (Central Africa). PLoS ONE, 2013, 8, e58862.	1.1	11
69	New Insights into the Population Structure of Anopheles gambiae s.s. in the Gulf of Guinea Islands Revealed by Hives Transposable Elements. PLoS ONE, 2013, 8, e62964.	1.1	8
70	Patterns of Genomic Differentiation between Ecologically Differentiated M and S Forms of Anopheles gambiae in West and Central Africa. Genome Biology and Evolution, 2012, 4, 1202-1212.	1.1	57
71	Population dynamics of Anopheles gambiae s.l. in Bobo-Dioulasso city: bionomics, infection rate and susceptibility to insecticides. Parasites and Vectors, 2012, 5, 127.	1.0	54
72	Notes on the blood-feeding behavior of Aedes albopictus (Diptera: Culicidae) in Cameroon. Parasites and Vectors, 2012, 5, 57.	1.0	98

#	ARTICLE	IF	CITATIONS
73	Behavioural responses of <i>Anopheles gambiae</i> sensu stricto M and S molecular form larvae to an aquatic predator in Burkina Faso. <i>Parasites and Vectors</i> , 2012, 5, 65.	1.0	49
74	Spatially Explicit Analyses of Anopheline Mosquitoes Indoor Resting Density: Implications for Malaria Control. <i>PLoS ONE</i> , 2012, 7, e31843.	1.1	16
75	Additional Selection for Insecticide Resistance in Urban Malaria Vectors: DDT Resistance in <i>Anopheles arabiensis</i> from Bobo-Dioulasso, Burkina Faso. <i>PLoS ONE</i> , 2012, 7, e45995.	1.1	88
76	Multiple Insecticide Resistance in <i>Anopheles gambiae</i> s.l. Populations from Burkina Faso, West Africa. <i>PLoS ONE</i> , 2012, 7, e48412.	1.1	108
77	Larval habitat segregation between the molecular forms of the mosquito <i>Anopheles gambiae</i> in a rice field area of Burkina Faso, West Africa. <i>Medical and Veterinary Entomology</i> , 2012, 26, 9-17.	0.7	96
78	Physiology and development of the M and S molecular forms of <i>Anopheles gambiae</i> in Burkina Faso (West Africa). <i>Medical and Veterinary Entomology</i> , 2012, 26, 447-454.	0.7	22
79	Anthropogenic Habitat Disturbance and Ecological Divergence between Incipient Species of the Malaria Mosquito <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2012, 7, e39453.	1.1	123
80	Genetic Structure of the Tiger Mosquito, <i>Aedes albopictus</i> , in Cameroon (Central Africa). <i>PLoS ONE</i> , 2011, 6, e20257.	1.1	72
81	Kdr-based insecticide resistance in <i>Anopheles gambiae</i> s.s populations in Cameroon: spread of the L1014F and L1014S mutations. <i>BMC Research Notes</i> , 2011, 4, 463.	0.6	46
82	Improving the population genetics toolbox for the study of the African malaria vector <i>Anopheles nili</i> : microsatellite mapping to chromosomes. <i>Parasites and Vectors</i> , 2011, 4, 202.	1.0	11
83	Chromosomal and environmental determinants of morphometric variation in natural populations of the malaria vector <i>Anopheles funestus</i> in Cameroon. <i>Infection, Genetics and Evolution</i> , 2011, 11, 940-947.	1.0	51
84	Cytogenetic map for <i>Anopheles nili</i> : Application for population genetics and comparative physical mapping. <i>Infection, Genetics and Evolution</i> , 2011, 11, 746-754.	1.0	19
85	Adaptive divergence between incipient species of <i>Anopheles gambiae</i> increases resistance to <i>Plasmodium</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 244-249.	3.3	97
86	Optimization of breeding output for larval stage of <i>Anopheles gambiae</i> (Diptera: Culicidae): prospects for the creation and maintenance of laboratory colony from wild isolates. <i>Bulletin of Entomological Research</i> , 2011, 101, 259-269.	0.5	12
87	Chromosomal Inversions, Natural Selection and Adaptation in the Malaria Vector <i>Anopheles funestus</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 745-758.	3.5	62
88	A Research Agenda for Malaria Eradication: Vector Control. <i>PLoS Medicine</i> , 2011, 8, e1000401.	3.9	224
89	Patterns of sugar feeding and host plant preferences in adult males of <i>An. gambiae</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	62
90	Morphological and genetic variability within <i>Aedes aegypti</i> in Niakhar, Senegal. <i>Infection, Genetics and Evolution</i> , 2010, 10, 473-480.	1.0	40

#	ARTICLE	IF	CITATIONS
91	Climate change and altitudinal structuring of malaria vectors in south-western Cameroon: their relation to malaria transmission. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2010, 104, 453-460.	0.7	14
92	Bionomics of Anopheline species and malaria transmission dynamics along an altitudinal transect in Western Cameroon. <i>BMC Infectious Diseases</i> , 2010, 10, 119.	1.3	46
93	Genome-wide analysis of transcriptomic divergence between laboratory colony and field <i>Anopheles gambiae</i> mosquitoes of the M and S molecular forms. <i>Insect Molecular Biology</i> , 2010, 19, 695-705.	1.0	20
94	Genetic association of physically unlinked islands of genomic divergence in incipient species of <i>Anopheles gambiae</i> . <i>Molecular Ecology</i> , 2010, 19, 925-939.	2.0	123
95	Anopheles Immune Genes and Amino Acid Sites Evolving Under the Effect of Positive Selection. <i>PLoS ONE</i> , 2010, 5, e8885.	1.1	15
96	A behavioral mechanism underlying ecological divergence in the malaria mosquito <i>Anopheles gambiae</i> . <i>Behavioral Ecology</i> , 2010, 21, 1087-1092.	1.0	76
97	Comparative Role of <i>Aedes albopictus</i> and <i>Aedes aegypti</i> in the Emergence of Dengue and Chikungunya in Central Africa. <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 259-266.	0.6	241
98	Geographic and ecological distribution of the dengue and chikungunya virus vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in three major Cameroonian towns. <i>Medical and Veterinary Entomology</i> , 2010, 24, 132-141.	0.7	74
99	Population genetic structure of the malaria vector <i>Anopheles nili</i> in sub-Saharan Africa. <i>Malaria Journal</i> , 2010, 9, 161.	0.8	34
100	Association Mapping of Insecticide Resistance in Wild <i>Anopheles gambiae</i> Populations: Major Variants Identified in a Low-Linkage Disequilibrium Genome. <i>PLoS ONE</i> , 2010, 5, e13140.	1.1	53
101	Molecular Evolution of Immune Genes in the Malaria Mosquito <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2009, 4, e4549.	1.1	41
102	Trends in DDT and pyrethroid resistance in <i>Anopheles gambiae</i> s. populations from urban and agro-industrial settings in southern Cameroon. <i>BMC Infectious Diseases</i> , 2009, 9, 163.	1.3	69
103	Malaria vectors and transmission dynamics in Goulmoun, a rural city in south-western Chad. <i>BMC Infectious Diseases</i> , 2009, 9, 71.	1.3	33
104	Living at the edge: biogeographic patterns of habitat segregation conform to speciation by niche expansion in <i>Anopheles gambiae</i> . <i>BMC Ecology</i> , 2009, 9, 16.	3.0	174
105	Ecological niche partitioning between <i>Anopheles gambiae</i> molecular forms in Cameroon: the ecological side of speciation. <i>BMC Ecology</i> , 2009, 9, 17.	3.0	211
106	Distribution of insensitive acetylcholinesterase ($1R$) in <i>Anopheles gambiae</i> s.l. populations from Burkina Faso (West Africa). <i>Tropical Medicine and International Health</i> , 2009, 14, 396-403.	1.0	64
107	Polymorphism of intron 1 in the voltage-gated sodium channel gene of <i>Anopheles gambiae</i> s.s. populations from Cameroon with emphasis on insecticide knockdown resistance mutations. <i>Molecular Ecology</i> , 2009, 18, 3076-3086.	2.0	33
108	The distribution of insecticide resistance in <i>Anopheles gambiae</i> s.l. populations from Cameroon: an update. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2009, 103, 1127-1138.	0.7	47

#	ARTICLE	IF	CITATIONS
109	Distribution and larval habitat characterization of <i>Anopheles moucheti</i> , <i>Anopheles nili</i> , and other malaria vectors in river networks of southern Cameroon. <i>Acta Tropica</i> , 2009, 112, 270-276.	0.9	25
110	Habitat suitability and ecological niche profile of major malaria vectors in Cameroon. <i>Malaria Journal</i> , 2009, 8, 307.	0.8	84
111	Insecticide resistance in <i>Anopheles gambiae</i> : data from the first year of a multi-country study highlight the extent of the problem. <i>Malaria Journal</i> , 2009, 8, 299.	0.8	233
112	Pyrethroid tolerance is associated with elevated expression of antioxidants and agricultural practice in <i>Anopheles arabiensis</i> sampled from an area of cotton fields in Northern Cameroon. <i>Molecular Ecology</i> , 2008, 17, 1145-1155.	2.0	131
113	Malaria transmission and rice cultivation in Lagdo, northern Cameroon. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 352-359.	0.7	38
114	Differential gene expression in incipient species of <i>Anopheles gambiae</i> . <i>Molecular Ecology</i> , 2008, 17, 2491-2504.	2.0	46
115	Dynamics of insecticide resistance in the malaria vector <i>Anopheles gambiae</i> s.l. from an area of extensive cotton cultivation in Northern Cameroon. <i>Tropical Medicine and International Health</i> , 2008, 13, 476-486.	1.0	108
116	Chromosomal plasticity and evolutionary potential in the malaria vector <i>Anopheles gambiae</i> sensu stricto: insights from three decades of rare paracentric inversions. <i>BMC Evolutionary Biology</i> , 2008, 8, 309.	3.2	60
117	The molecular evolution of four anti-malarial immune genes in the <i>Anopheles gambiae</i> species complex. <i>BMC Evolutionary Biology</i> , 2008, 8, 79.	3.2	35
118	SNP discovery and molecular evolution in <i>Anopheles gambiae</i> , with special emphasis on innate immune system. <i>BMC Genomics</i> , 2008, 9, 227.	1.2	44
119	Insecticide resistance in <i>Anopheles gambiae</i> from south-western Chad, Central Africa. <i>Malaria Journal</i> , 2008, 7, 192.	0.8	42
120	Insertion polymorphisms of SINE200 retrotransposons within speciation islands of <i>Anopheles gambiae</i> molecular forms. <i>Malaria Journal</i> , 2008, 7, 163.	0.8	393
121	Population structure of the malaria vector <i>Anopheles moucheti</i> in the equatorial forest region of Africa. <i>Malaria Journal</i> , 2008, 7, 120.	0.8	26
122	Distribution of knock-down resistance mutations in <i>Anopheles gambiae</i> molecular forms in west and west-central Africa. <i>Malaria Journal</i> , 2008, 7, 74.	0.8	176
123	Exploring the origin and degree of genetic isolation of <i>Anopheles gambiae</i> from the islands of São Tomé and Príncipe, potential sites for testing transgenic-based vector control. <i>Evolutionary Applications</i> , 2008, 1, 631-644.	1.5	15
124	Gene Flow Between Domestic and Sylvan Populations of <i>Aedes aegypti</i> (Diptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	31
125	High Genetic Differentiation between the M and S Molecular Forms of <i>Anopheles gambiae</i> in Africa. <i>PLoS ONE</i> , 2008, 3, e1968.	1.1	30
126	Exploring Proteins in <i>Anopheles gambiae</i> Male and Female Antennae through MALDI Mass Spectrometry Profiling. <i>PLoS ONE</i> , 2008, 3, e2822.	1.1	24

#	ARTICLE	IF	CITATIONS
127	Localization of Candidate Regions Maintaining a Common Polymorphic Inversion (2La) in <i>Anopheles gambiae</i> . <i>PLoS Genetics</i> , 2007, 3, e217.	1.5	75
128	Population genetic structure of <i>Plasmodium falciparum</i> in the two main African vectors, <i>Anopheles gambiae</i> and <i>Anopheles funestus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7987-7992.	3.3	73
129	Population genetic structure of the malaria vector <i>Anopheles moucheti</i> in south Cameroon forest region. <i>Acta Tropica</i> , 2007, 101, 61-68.	0.9	10
130	Genetic population structure of <i>Anopheles gambiae</i> in Equatorial Guinea. <i>Malaria Journal</i> , 2007, 6, 137.	0.8	37
131	PCR-based karyotyping of <i>Anopheles gambiae</i> inversion 2Rj identifies the BAMAKO chromosomal form. <i>Malaria Journal</i> , 2007, 6, 133.	0.8	17
132	Patterns of Selection in Anti-Malarial Immune Genes in Malaria Vectors: Evidence for Adaptive Evolution in LRIM1 in <i>Anopheles arabiensis</i> . <i>PLoS ONE</i> , 2007, 2, e793.	1.1	28
133	Multiple Origins of Knockdown Resistance Mutations in the Afrotropical Mosquito Vector <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2007, 2, e1243.	1.1	108
134	A preliminary test of the protective efficacy of permethrin-treated bed nets in an area of <i>Anopheles gambiae</i> metabolic resistance to pyrethroids in north Cameroon. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2007, 101, 881-884.	0.7	14
135	Polymorphism at the defensin gene in the <i>Anopheles gambiae</i> complex: Testing different selection hypotheses. <i>Infection, Genetics and Evolution</i> , 2007, 7, 285-292.	1.0	30
136	Molecular differentiation of three closely related members of the mosquito species complex, <i>Anopheles moucheti</i> , by mitochondrial and ribosomal DNA polymorphism. <i>Medical and Veterinary Entomology</i> , 2007, 21, 177-182.	0.7	39
137	Design of a Two-level Adaptive Multi-Agent System for Malaria Vectors driven by an ontology. <i>BMC Medical Informatics and Decision Making</i> , 2007, 7, 19.	1.5	4
138	MOLECULAR KARYOTYPING OF THE 2LA INVERSION IN ANOPHELES GAMBIAE. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 334-339.	0.6	67
139	EFFECT OF INFECTION BY PLASMODIUM FALCIPARUM ON THE MELANIZATION IMMUNE RESPONSE OF ANOPHELES GAMBIAE. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 475-480.	0.6	22
140	Molecular karyotyping of the 2La inversion in <i>Anopheles gambiae</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 334-9.	0.6	48
141	Efficacy of bifenthrin-impregnated bednets against <i>Anopheles funestus</i> and pyrethroid-resistant <i>Anopheles gambiae</i> in North Cameroon. <i>Malaria Journal</i> , 2006, 5, 77.	0.8	40
142	Insertion polymorphism of transposable elements and population structure of <i>Anopheles gambiae</i> M and S molecular forms in Cameroon. <i>Molecular Ecology</i> , 2006, 16, 441-452.	2.0	21
143	<i>Anopheles</i> and <i>Plasmodium</i> : from laboratory models to natural systems in the field. <i>EMBO Reports</i> , 2006, 7, 1285-1289.	2.0	118
144	Complexity of the Malaria Vectorial System in Cameroon: Contribution of Secondary Vectors to Malaria Transmission. <i>Journal of Medical Entomology</i> , 2006, 43, 1215-1221.	0.9	118

#	ARTICLE	IF	CITATIONS
145	Mixed Swarms of the Molecular M and S Forms of <i>Anopheles gambiae</i> (Diptera: Culicidae) in Sympatric Area from Burkina Faso. <i>Journal of Medical Entomology</i> , 2006, 43, 480-483.	0.9	68
146	Mixed Swarms of the Molecular M and S Forms of <i>Anopheles gambiae</i> (Diptera: Culicidae) in Sympatric Area from Burkina Faso. <i>Journal of Medical Entomology</i> , 2006, 43, 480-483.	0.9	59
147	Breakpoint structure reveals the unique origin of an interspecific chromosomal inversion (2La) in the <i>Anopheles gambiae</i> complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6258-6262.	3.3	102
148	Increased melanizing activity in <i>Anopheles gambiae</i> does not affect development of <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16858-16863.	3.3	93
149	Complexity of the Malaria Vectorial System in Cameroon: Contribution of Secondary Vectors to Malaria Transmission. <i>Journal of Medical Entomology</i> , 2006, 43, 1215-1221.	0.9	119
150	FIRST REPORT OF KNOCKDOWN MUTATIONS IN THE MALARIA VECTOR ANOPHELES GAMBIAE FROM CAMEROON. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 74, 795-797.	0.6	117
151	MULTILOCUS ENZYME ELECTROPHORESIS SUPPORTS SPECIATION WITHIN THE ANOPHELES NILI GROUP OF MALARIA VECTORS IN CAMEROON. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 656-658.	0.6	11
152	First report of knockdown mutations in the malaria vector <i>Anopheles gambiae</i> from Cameroon. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 74, 795-7.	0.6	73
153	Multilocus enzyme electrophoresis supports speciation within the <i>Anopheles nili</i> group of malaria vectors in Cameroon. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 656-8.	0.6	10
154	Malaria vectors and urbanization in the equatorial forest region of south Cameroon. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2005, 99, 347-354.	0.7	69
155	Impact of insecticide-treated bed nets implementation on the genetic structure of <i>Anopheles arabiensis</i> in an area of irrigated rice fields in the Sahelian region of Cameroon. <i>Molecular Ecology</i> , 2005, 14, 3683-3693.	2.0	23
156	Erratum. <i>Bioinformatics</i> , 2005, 21, 2797-2802.	1.8	3
157	Geographic Distribution and Breeding Site Preference of <i>Aedes albopictus</i> and <i>Aedes aegypti</i> (Diptera: Culicidae) in Cameroon, Central Africa. <i>Journal of Medical Entomology</i> , 2005, 42, 726-731.	0.9	126
158	Larval Development of the Molecular Forms of <i>Anopheles gambiae</i> (Diptera: Culicidae) in Different Habitats: A Transplantation Experiment. <i>Journal of Medical Entomology</i> , 2005, 42, 548-553.	0.9	50
159	Species and Populations of the <i>Anopheles gambiae</i> Complex in Cameroon with Special Emphasis on Chromosomal and Molecular Forms of <i>Anopheles gambiae</i> s.s.. <i>Journal of Medical Entomology</i> , 2005, 42, 998-1005.	0.9	71
160	Gene Flow Between Chromosomal Forms of the Malaria Vector <i>Anopheles funestus</i> in Cameroon, Central Africa, and Its Relevance in Malaria Fighting. <i>Genetics</i> , 2005, 169, 301-311.	1.2	48
161	Species and Populations of the <i>Anopheles gambiae</i> Complex in Cameroon with Special Emphasis on Chromosomal and Molecular Forms of <i>Anopheles gambiae</i> s.s.. <i>Journal of Medical Entomology</i> , 2005, 42, 998-1005.	0.9	103
162	Larval Development of the Molecular Forms of <i>Anopheles gambiae</i> (Diptera: Culicidae) in Different Habitats: A Transplantation Experiment. <i>Journal of Medical Entomology</i> , 2005, 42, 548-553.	0.9	81

#	ARTICLE	IF	CITATIONS
163	Geographic Distribution and Breeding Site Preference of <i>Aedes albopictus</i> and <i>Aedes aegypti</i> (Diptera: Culicidae) in Cameroon, Central Africa. <i>Journal of Medical Entomology</i> , 2005, 42, 726-731.	0.9	40
164	POPULATION STRUCTURE OF ANOPHELES ARABIENSIS ON LA R�UNION ISLAND, INDIAN OCEAN. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005, 73, 1077-1082.	0.6	18
165	Description and Bionomics of <i>Anopheles</i> (<i>Celia</i>) <i>ovengensis</i> (Diptera: Culicidae), a New Malaria Vector Species of the <i>Anopheles nili</i> Group from South Cameroon. <i>Journal of Medical Entomology</i> , 2004, 41, 561-568.	0.9	52
166	High Malaria Transmission Intensity Due to <i>Anopheles funestus</i> (Diptera: Culicidae) in a Village of Savannah-Forest Transition Area in Cameroon. <i>Journal of Medical Entomology</i> , 2004, 41, 901-905.	0.9	68
167	Design and implementation of a mosquito database through an entomological ontology. <i>Bioinformatics</i> , 2004, 20, 2205-2211.	1.8	6
168	The spread of the Leu-Phe kdr mutation through <i>Anopheles gambiae</i> complex in Burkina Faso: genetic introgression and de novo phenomena. <i>Tropical Medicine and International Health</i> , 2004, 9, 1267-1273.	1.0	114
169	Population structure of the malaria vector <i>Anopheles funestus</i> in Senegal based on microsatellite and cytogenetic data. <i>Insect Molecular Biology</i> , 2004, 13, 251-258.	1.0	41
170	Unravelling complexities in human malaria transmission dynamics in Africa through a comprehensive knowledge of vector populations. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2004, 27, 357-375.	0.7	96
171	INTRASPECIFIC NUCLEOTIDE VARIATION IN ANOPHELES GAMBIAE: NEW INSIGHTS INTO THE BIOLOGY OF MALARIA VECTORS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 795-802.	0.6	76
172	Intraspecific nucleotide variation in <i>Anopheles gambiae</i> : new insights into the biology of malaria vectors. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 795-802.	0.6	54
173	Natural swarming behaviour of the molecular M form of <i>Anopheles gambiae</i> . <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2003, 97, 713-716.	0.7	49
174	Molecular identification of the <i>Anopheles nili</i> group of African malaria vectors. <i>Medical and Veterinary Entomology</i> , 2003, 17, 67-74.	0.7	62
175	First report of the oriental mosquito <i>Aedes albopictus</i> on the West African island of Bioko, Equatorial Guinea. <i>Medical and Veterinary Entomology</i> , 2003, 17, 343-346.	0.7	46
176	Semipermeable species boundaries between <i>Anopheles gambiae</i> and <i>Anopheles arabiensis</i> : Evidence from multilocus DNA sequence variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10818-10823.	3.3	186
177	Population Structure of <i>Anopheles gambiae</i> in Africa. , 2003, 94, 133-147.		171
178	KDR Mutation, a Genetic Marker to Assess Events of Introgression Between the Molecular M and S Forms of <i>Anopheles gambiae</i> ; (Diptera: Culicidae) in the Tropical Savannah Area of West Africa. <i>Journal of Medical Entomology</i> , 2003, 40, 195-198.	0.9	67
179	SPECIES IDENTIFICATION WITHIN THE ANOPHELES FUNESTUS GROUP OF MALARIA VECTORS IN CAMEROON AND EVIDENCE FOR A NEW SPECIES. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 69, 200-205.	0.6	155
180	Species identification within the <i>Anopheles funestus</i> group of malaria vectors in Cameroon and evidence for a new species. <i>American Journal of Tropical Medicine and Hygiene</i> , 2003, 69, 200-5.	0.6	89

#	ARTICLE	IF	CITATIONS
181	Evolutionary studies of malaria vectors. Trends in Parasitology, 2002, 18, 75-80.	1.5	78
182	Isolation and characterization of microsatellite DNA markers in the malaria vector <i>Anopheles funestus</i> . Molecular Ecology Notes, 2002, 2, 498-500.	1.7	24
183	Evidence for genetic differentiation between the molecular forms M and S within the Forest chromosomal form of <i>Anopheles gambiae</i> in an area of sympatry. Insect Molecular Biology, 2002, 11, 11-19.	1.0	122
184	Morphological variability in the malaria vector, <i>Anopheles moucheti</i> , is not indicative of speciation: evidences from sympatric south Cameroon populations. Infection, Genetics and Evolution, 2002, 2, 69-72.	1.0	13
185	Persistence of <i>Anopheles arabiensis</i> during the severe dry season conditions in Senegal: an indirect approach using microsatellite loci. Insect Molecular Biology, 2000, 9, 467-479.	1.0	92
186	Comparison of Behavior and Vector Efficiency of <i>Anopheles gambiae</i> and <i>An. arabiensis</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	94
187	Genetic differentiation of <i>Anopheles gambiae</i> populations from East and West Africa: comparison of microsatellite and allozyme loci. Heredity, 1996, 77, 192-200.	1.2	160
188	Highlights on <i>Anopheles nili</i> and <i>Anopheles moucheti</i> , Malaria Vectors in Africa. , 0, , .		7
189	Field evidence for manipulation of mosquito host selection by the human malaria parasite, <i>Plasmodium falciparum</i> . , 0, 1, .		6
190	Use of different cotton pest control strategies (conventional, organic and transgenic) had no impact on insecticide resistance in <i>Anopheles gambiae</i> s.l. populations in Burkina Faso, West Africa. International Journal of Pest Management, 0, , 1-12.	0.9	0