

# Isabelle Dusfour

## List of Publications by Year in descending order

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68  
papers

2,783  
citations

218677

26  
h-index

206112

48  
g-index

74  
all docs

74  
docs citations

74  
times ranked

3090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contemporary status of insecticide resistance in the major <i>Aedes</i> vectors of arboviruses infecting humans. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005625.	3.0	504
2	Management of insecticide resistance in the major <i>Aedes</i> vectors of arboviruses: Advances and challenges. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007615.	3.0	162
3	Identifying genomic changes associated with insecticide resistance in the dengue mosquito <i>Aedes aegypti</i> by deep targeted sequencing. <i>Genome Research</i> , 2015, 25, 1347-1359.	5.5	151
4	Bionomics, taxonomy, and distribution of the major malaria vector taxa of <i>Anopheles</i> subgenus <i>Cellia</i> in Southeast Asia: An updated review. <i>Infection, Genetics and Evolution</i> , 2008, 8, 489-503.	2.3	141
5	Zika virus: An updated review of competent or naturally infected mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005933.	3.0	105
6	Chikungunya Virus Transmission Potential by Local <i>Aedes</i> Mosquitoes in the Americas and Europe. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003780.	3.0	99
7	Characterization of Spatial Repellent, Contact Irritant, and Toxicant Chemical Actions of Standard Vector Control Compounds. <i>Journal of the American Mosquito Control Association</i> , 2009, 25, 156-167.	0.7	91
8	In the hunt for genomic markers of metabolic resistance to pyrethroids in the mosquito <i>Aedes aegypti</i> : An integrated next-generation sequencing approach. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005526.	3.0	73
9	Deltamethrin Resistance Mechanisms in <i>Aedes aegypti</i> Populations from Three French Overseas Territories Worldwide. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004226.	3.0	71
10	Multiple insecticide resistance in <i>Aedes aegypti</i> (Diptera: Culicidae) populations compromises the effectiveness of dengue vector control in French Guiana. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011, 106, 346-352.	1.6	63
11	Diverse laboratory colonies of <i>Aedes aegypti</i> harbor the same adult midgut bacterial microbiome. <i>Parasites and Vectors</i> , 2018, 11, 207.	2.5	63
12	Enhanced Zika virus susceptibility of globally invasive <i>Aedes aegypti</i> populations. <i>Science</i> , 2020, 370, 991-996.	12.6	61
13	Malaria on the Guiana Shield: a review of the situation in French Guiana. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2014, 109, 525-533.	1.6	59
14	Malaria in French Guiana Linked to Illegal Gold Mining. <i>Emerging Infectious Diseases</i> , 2016, 22, 344-346.	4.3	54
15	The tsetse fly <i>Glossina palpalis palpalis</i> is composed of several genetically differentiated small populations in the sleeping sickness focus of Bonon, CÔte d'Ivoire. <i>Infection, Genetics and Evolution</i> , 2007, 7, 116-125.	2.3	52
16	Unravelling the relationships between <i>Anopheles darlingi</i> (Diptera: Culicidae) densities, environmental factors and malaria incidence: understanding the variable patterns of malarial transmission in French Guiana (South America). <i>Annals of Tropical Medicine and Parasitology</i> , 2011, 105, 107-122.	1.6	44
17	Tracking Insecticide Resistance in Mosquito Vectors of Arboviruses: The Worldwide Insecticide resistance Network (WIN). <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005054.	3.0	43
18	BIONOMICS AND SYSTEMATICS OF THE ORIENTAL ANOPHELES SUNDAICUS COMPLEX IN RELATION TO MALARIA TRANSMISSION AND VECTOR CONTROL. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 518-524.	1.4	43

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19	Polymerase Chain Reaction Identification of Three Members of the <i>Anopheles sundaicus</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Cve 723-731.	1.8	42
20	Molecular Evidence of Speciation Between Island and Continental Populations of <i>Anopheles</i> ( <i>Cellia</i> ) <i>sundaicus</i> (Diptera: Culicidae), a Principal Malaria Vector Taxon in Southeast Asia. <i>Journal of Medical Entomology</i> , 2004, 41, 287-295.	1.8	37
21	Epidemiological and entomological studies of a malaria outbreak among French armed forces deployed at illegal gold mining sites reveal new aspects of the disease's transmission in French Guiana. <i>Malaria Journal</i> , 2016, 15, 35.	2.3	36
22	<i>Anopheles</i> ( <i>Cellia</i> ) <i>epiroticus</i> (Diptera: Culicidae), a new malaria vector species in the Southeast Asian <i>Sundaicus</i> Complex. <i>Bulletin of Entomological Research</i> , 2005, 95, 329-339.	1.0	34
23	Knockdown resistance, Rdl alleles, and the annual entomological inoculation rate of wild mosquito populations from Lower Moshi, Northern Tanzania. <i>Journal of Global Infectious Diseases</i> , 2012, 4, 114.	0.5	33
24	Polymerase Chain Reaction Identification of Three Members of the <i>Anopheles sundaicus</i> (Diptera: Culicidae) Complex, Malaria Vectors in Southeast Asia. <i>Journal of Medical Entomology</i> , 2007, 44, 723-731.	1.8	32
25	Incrimination of <i>Anopheles</i> ( <i>Anopheles</i> ) <i>intermedius</i> Peryass <sup>o</sup> , An. ( <i>Nyssorhynchus</i> ) <i>nuneztovari</i> Gabald <sup>o</sup> n, An. ( <i>Nys.</i> ) <i>oswaldoi</i> Peryass <sup>o</sup> as natural vectors of <i>Plasmodium falciparum</i> in French Guiana. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2012, 107, 429-432.	1.6	32
26	Vector soup: high-throughput identification of Neotropical phlebotomine sand flies using metabarcoding. <i>Molecular Ecology Resources</i> , 2017, 17, 172-182.	4.8	31
27	Speciation and phylogeography of the Southeast Asian <i>Anopheles sundaicus</i> complex. <i>Infection, Genetics and Evolution</i> , 2007, 7, 484-493.	2.3	30
28	Natural Variation in Physicochemical Profiles and Bacterial Communities Associated with <i>Aedes aegypti</i> Breeding Sites and Larvae on Guadeloupe and French Guiana. <i>Microbial Ecology</i> , 2021, 81, 93-109.	2.8	28
29	DNA reference libraries of French Guianese mosquitoes for barcoding and metabarcoding. <i>PLoS ONE</i> , 2017, 12, e0176993.	2.5	28
30	Detection of Chikungunya Virus Circulation Using Sugar-Baited Traps during a Major Outbreak in French Guiana. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004876.	3.0	27
31	Updated Checklist of the Mosquitoes (Diptera: Culicidae) of French Guiana. <i>Journal of Medical Entomology</i> , 2015, 52, 770-782.	1.8	24
32	High malaria transmission in a forested malaria focus in French Guiana: How can exophagic <i>Anopheles darlingi</i> thwart vector control and prevention measures?. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2016, 111, 561-569.	1.6	23
33	International workshop on insecticide resistance in vectors of arboviruses, December 2016, Rio de Janeiro, Brazil. <i>Parasites and Vectors</i> , 2017, 10, 278.	2.5	23
34	Successes and failures of sixty years of vector control in French Guiana: what is the next step?. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2018, 113, e170398.	1.6	22
35	Combining genetic crosses and pool targeted DNA-seq for untangling genomic variations associated with resistance to multiple insecticides in the mosquito <i>Aedes aegypti</i> . <i>Evolutionary Applications</i> , 2020, 13, 303-317.	3.1	22
36	Ecology, evolution, and epidemiology of zoonotic and vector-borne infectious diseases in French Guiana: Transdisciplinarity does matter to tackle new emerging threats. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104916.	2.3	22

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37	Viewpoint: High susceptibility to Chikungunya virus of <i>Aedes aegypti</i> from the French West Indies and French Guiana. <i>Tropical Medicine and International Health</i> , 2011, 16, 134-139.	2.3	21
38	Bionomics and systematics of the oriental <i>Anopheles sudaicus</i> complex in relation to malaria transmission and vector control. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004, 71, 518-24.	1.4	21
39	Investigation of a Sudden Malaria Outbreak in the Isolated Amazonian Village of Sa'á, French Guiana, January–April 2009. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012, 86, 591-597.	1.4	20
40	CYP450 core involvement in multiple resistance strains of <i>Aedes aegypti</i> from French Guiana highlighted by proteomics, molecular and biochemical studies. <i>PLoS ONE</i> , 2021, 16, e0243992.	2.5	20
41	Dynamical Mapping of <i>Anopheles darlingi</i> Densities in a Residual Malaria Transmission Area of French Guiana by Using Remote Sensing and Meteorological Data. <i>PLoS ONE</i> , 2016, 11, e0164685.	2.5	20
42	Mosquito magnet <sup>®</sup> liberty plus trap baited with octenol confirmed best candidate for <i>Anopheles</i> surveillance and proved promising in predicting risk of malaria transmission in French Guiana. <i>Malaria Journal</i> , 2014, 13, 384.	2.3	19
43	Biodiversity and vector-borne diseases: Host dilution and vector amplification occur simultaneously for Amazonian leishmaniasis. <i>Molecular Ecology</i> , 2023, 32, 1817-1831.	3.9	18
44	Contact irritancy and spatial repellency behaviors in <i>Anopheles albimanus</i> Wiedemann (Diptera: Tj ETQq0 0 0 rgBT, Overlock, 10 Tf 50 4	1.0	17
45	Resurgence risk for malaria, and the characterization of a recent outbreak in an Amazonian border area between French Guiana and Brazil. <i>BMC Infectious Diseases</i> , 2020, 20, 373.	2.9	17
46	A New High-Throughput Tool to Screen Mosquito-Borne Viruses in Zika Virus Endemic/Epidemic Areas. <i>Viruses</i> , 2019, 11, 904.	3.3	16
47	Towards the optimization of botanical insecticides research: <i>Aedes aegypti</i> larvicidal natural products in French Guiana. <i>Acta Tropica</i> , 2020, 201, 105179.	2.0	16
48	Comparative data on the insecticide resistance of <i>Anopheles albimanus</i> in relation to agricultural practices in northern Belize, CA. <i>Journal of Pest Science</i> , 2010, 83, 41-46.	3.7	13
49	<i>Aedes aegypti</i> Larvicidal Sesquiterpene Alkaloids from <i>Maytenus oblongata</i> . <i>Journal of Natural Products</i> , 2017, 80, 384-390.	3.0	12
50	Liaisons dangereuses: cross-border gene flow and dispersal of insecticide resistance-associated genes in the mosquito <i>Aedes aegypti</i> from Brazil and French Guiana. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2019, 114, e190120.	1.6	12
51	Objective sampling design in a highly heterogeneous landscape - characterizing environmental determinants of malaria vector distribution in French Guiana, in the Amazonian region. <i>BMC Ecology</i> , 2013, 13, 45.	3.0	11
52	<i>Anopheles darlingi</i> (Diptera: Culicidae) Dynamics in Relation to Meteorological Data in a Cattle Farm Located in the Coastal Region of French Guiana: Advantage of Mosquito Magnet Trap. <i>Environmental Entomology</i> , 2015, 44, 454-462.	1.4	11
53	A survey of adult anophelines in French Guiana: enhanced descriptions of species distribution and biting responses. <i>Journal of Vector Ecology</i> , 2013, 38, 203-209.	1.0	10
54	Identification of French Guiana anopheline mosquitoes by MALDI-TOF MS profiling using protein signatures from two body parts. <i>PLoS ONE</i> , 2020, 15, e0234098.	2.5	10

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55	Confirmation of the Occurrence of Anopheles (Nyssorhynchus) Marajoara in French Guiana. Journal of the American Mosquito Control Association, 2012, 28, 309-311.	0.7	8
56	Assessment of A Simple Compound-Saving Method To Study Insecticidal Activity of Natural Extracts and Pure Compounds Against Mosquito Larvae. Journal of the American Mosquito Control Association, 2016, 32, 337-340.	0.7	8
57	Distribution of the Habitat Suitability of the Main Malaria Vector in French Guiana Using Maximum Entropy Modeling. Journal of Medical Entomology, 2016, 54, tjw199.	1.8	8
58	Paecilosetin Derivatives as Potent Antimicrobial Agents from <i>Isaria farinosa</i> . Journal of Natural Products, 2020, 83, 2915-2922.	3.0	8
59	Anopheles fauna of coastal Cayenne, French Guiana: modelling and mapping of species presence using remotely sensed land cover data. Memorias Do Instituto Oswaldo Cruz, 2016, 111, 750-756.	1.6	7
60	Characterization, Diversity, and Structure-Activity Relationship Study of Lipoamino Acids from Pantoea sp. and Synthetic Analogues. International Journal of Molecular Sciences, 2019, 20, 1083.	4.1	7
61	Discrimination of 15 Amazonian Anopheline Mosquito Species by Polymerase Chain Reaction-Restriction Fragment Length Polymorphism. Journal of Medical Entomology, 2022, , .	1.8	6
62	Impact of selection regime and introgression on deltamethrin resistance in the arbovirus vector <i>Aedes aegypti</i> – a comparative study between contrasted situations in New Caledonia and French Guiana. Pest Management Science, 2021, 77, 5589-5598.	3.4	4
63	New records of California serogroup viruses in Aedes mosquitoes and first detection in simulioidae flies from Northern Canada and Alaska. Polar Biology, 2021, 44, 1911-1915.	1.2	3
64	Spatiotemporal multiple insecticide resistance in Aedes aegypti populations in French Guiana: need for alternative vector control. Memorias Do Instituto Oswaldo Cruz, 2021, 115, e200313.	1.6	3
65	Interactions between vector competence to chikungunya virus and resistance to deltamethrin in <i>Aedes aegypti</i> laboratory lines?. Medical and Veterinary Entomology, 2022, 36, 486-495.	1.5	3
66	Comparison of a novel high-throughput screening system with the Bottle assay for evaluating insecticide toxicity. Journal of Pesticide Sciences, 2009, 34, 283-286.	1.4	1
67	Contact Irritancy and Spatial Repellency Behaviors in Anopheles albimanus Wiedemann (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	1
68	Larvicidal Activity of Isoflavonoids from Muellera Frutescens Extracts Against Aedes Aegypti. Natural Product Communications, 2012, 7, 1934578X1200701.	0.5	0