

# Janet Hemingway

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3928131/janet-hemingway-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	4,728 citations	35 h-index	68 g-index
89 ext. papers	5,816 ext. citations	9.5 avg, IF	5.64 L-index

#	Paper	IF	Citations
84	The molecular basis of insecticide resistance in mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 653-65	4.5	672
83	A global map of dominant malaria vectors. <i>Parasites and Vectors</i> , <b>2012</b> , 5, 69	4	347
82	Averting a malaria disaster: will insecticide resistance derail malaria control?. <i>Lancet, The</i> , <b>2016</b> , 387, 1785-8	4.0	247
81	An overview of insecticide resistance. <i>Science</i> , <b>2002</b> , 298, 96-7	33.3	229
80	The Innovative Vector Control Consortium: improved control of mosquito-borne diseases. <i>Trends in Parasitology</i> , <b>2006</b> , 22, 308-12	6.4	200
79	A single mutation in the GSTe2 gene allows tracking of metabolically based insecticide resistance in a major malaria vector. <i>Genome Biology</i> , <b>2014</b> , 15, R27	18.3	180
78	Cytochrome P450 associated with insecticide resistance catalyzes cuticular hydrocarbon production in <i>Anopheles gambiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9268-73	11.5	177
77	Two duplicated P450 genes are associated with pyrethroid resistance in <i>Anopheles funestus</i> , a major malaria vector. <i>Genome Research</i> , <b>2009</b> , 19, 452-9	9.7	168
76	The impact of pyrethroid resistance on the efficacy of insecticide-treated bed nets against African anopheline mosquitoes: systematic review and meta-analysis. <i>PLoS Medicine</i> , <b>2014</b> , 11, e1001619	11.6	152
75	malERA: An updated research agenda for malaria elimination and eradication. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002456	11.6	148
74	Artemisinin activity-based probes identify multiple molecular targets within the asexual stage of the malaria parasites <i>Plasmodium falciparum</i> 3D7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2080-5	11.5	148
73	The role of vector control in stopping the transmission of malaria: threats and opportunities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369, 20130431	5.8	139
72	Purification, molecular cloning and heterologous expression of a glutathione S-transferase involved in insecticide resistance from the rice brown planthopper, <i>Nilaparvata lugens</i> . <i>Biochemical Journal</i> , <b>2002</b> , 362, 329-337	3.8	138
71	Tools and Strategies for Malaria Control and Elimination: What Do We Need to Achieve a Grand Convergence in Malaria?. <i>PLoS Biology</i> , <b>2016</b> , 14, e1002380	9.7	123
70	Impact of pyrethroid resistance on operational malaria control in Malawi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19063-70	11.5	93
69	Implementation of the global plan for insecticide resistance management in malaria vectors: progress, challenges and the way forward. <i>Malaria Journal</i> , <b>2015</b> , 14, 173	3.6	88
68	Identification and analysis of single nucleotide polymorphisms (SNPs) in the mosquito <i>Anopheles funestus</i> , malaria vector. <i>BMC Genomics</i> , <b>2007</b> , 8, 5	4.5	86

67	Malaria eradication and elimination: views on how to translate a vision into reality. <i>BMC Medicine</i> , <b>2015</b> , 13, 167	11.4	83
66	Geographical distributions of African malaria vector sibling species and evidence for insecticide resistance. <i>Malaria Journal</i> , <b>2017</b> , 16, 85	3.6	72
65	Country-level operational implementation of the Global Plan for Insecticide Resistance Management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9397-402	11.5	65
64	DDT-based indoor residual spraying suboptimal for visceral leishmaniasis elimination in India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8573-8	11.5	65
63	DDT-resistance in <i>Anopheles gambiae</i> (Diptera: Culicidae) from Zanzibar, Tanzania, based on increased DDT-dehydrochlorinase activity of glutathione S-transferases. <i>Bulletin of Entomological Research</i> , <b>1995</b> , 85, 267-274	1.7	55
62	A new malaria vector in Africa: Predicting the expansion range of and identifying the urban populations at risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 24900-24908	11.5	54
61	Mapping a quantitative trait locus (QTL) conferring pyrethroid resistance in the African malaria vector <i>Anopheles funestus</i> . <i>BMC Genomics</i> , <b>2007</b> , 8, 34	4.5	51
60	Rapid selection of a pyrethroid metabolic enzyme CYP9K1 by operational malaria control activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4619-4624	11.5	50
59	An economic evaluation of vector control in the age of a dengue vaccine. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005785	4.8	49
58	Understanding the transmission dynamics of <i>Leishmania donovani</i> to provide robust evidence for interventions to eliminate visceral leishmaniasis in Bihar, India. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 25	4	47
57	Insecticide resistance monitoring and evaluation in disease transmitting mosquitoes. <i>Journal of Pesticide Sciences</i> , <b>2007</b> , 32, 69-76	2.7	45
56	Developing global maps of insecticide resistance risk to improve vector control. <i>Malaria Journal</i> , <b>2017</b> , 16, 86	3.6	42
55	Effect of long-lasting insecticidal nets with and without piperonyl butoxide on malaria indicators in Uganda (LLINEUP): a pragmatic, cluster-randomised trial embedded in a national LLIN distribution campaign. <i>Lancet, The</i> , <b>2020</b> , 395, 1292-1303	4.0	42
54	Genomic Footprints of Selective Sweeps from Metabolic Resistance to Pyrethroids in African Malaria Vectors Are Driven by Scale up of Insecticide-Based Vector Control. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006539	11.6	39
53	Characterization of knockdown resistance in DDT- and pyrethroid-resistant <i>Culex quinquefasciatus</i> populations from Sri Lanka. <i>Tropical Medicine and International Health</i> , <b>2008</b> , 13, 548-55	2.3	39
52	Underpinning sustainable vector control through informed insecticide resistance management. <i>PLoS ONE</i> , <b>2014</b> , 9, e99822	3.7	37
51	Mapping trends in insecticide resistance phenotypes in African malaria vectors. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000633	9.7	36
50	AWZ1066S, a highly specific anti- drug candidate for a short-course treatment of filariasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1414-1419	11.5	36

49	Albendazole and antibiotics synergize to deliver short-course anti-curtative treatments in preclinical models of filariasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9712-E9721	11.5	33
48	Associated patterns of insecticide resistance in field populations of malaria vectors across Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5938-5943	11.5	33
47	A country on the verge of malaria elimination--the Kingdom of Saudi Arabia. <i>PLoS ONE</i> , <b>2014</b> , 9, e105980	3.7	28
46	Restriction to gene flow is associated with changes in the molecular basis of pyrethroid resistance in the malaria vector <i>Anopheles funestus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 286-291	11.5	26
45	Changes in enzyme titres with age in four geographical strains of <i>Aedes aegypti</i> and their association with insecticide resistance. <i>Medical and Veterinary Entomology</i> , <b>1993</b> , 7, 11-6	2.4	25
44	The way forward for vector control. <i>Science</i> , <b>2017</b> , 358, 998-999	33.3	24
43	Evidence of metabolic mechanisms playing a role in multiple insecticides resistance in <i>Anopheles stephensi</i> populations from Afghanistan. <i>Malaria Journal</i> , <b>2017</b> , 16, 100	3.6	24
42	LLIN Evaluation in Uganda Project (LLINEUP): factors associated with ownership and use of long-lasting insecticidal nets in Uganda: a cross-sectional survey of 48 districts. <i>Malaria Journal</i> , <b>2018</b> , 17, 421	3.6	24
41	Impact of insecticide resistance in on malaria incidence and prevalence in Sudan and the costs of mitigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E11267-E11275	11.5	23
40	Evaluating insecticide resistance across African districts to aid malaria control decisions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22042-22050	11.5	20
39	Resistance: A problem without an easy solution. <i>Pesticide Biochemistry and Physiology</i> , <b>2018</b> , 151, 73-75	4.9	19
38	Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	19
37	Taking aim at mosquitoes. <i>Nature</i> , <b>2004</b> , 430, 936	50.4	15
36	Pyrethroid resistance in Iranian field populations of <i>Rhipicephalus (Boophilus) annulatus</i> . <i>Pesticide Biochemistry and Physiology</i> , <b>2017</b> , 136, 70-79	4.9	14
35	LLIN Evaluation in Uganda Project (LLINEUP) - Impact of long-lasting insecticidal nets with, and without, piperonyl butoxide on malaria indicators in Uganda: study protocol for a cluster-randomised trial. <i>Trials</i> , <b>2019</b> , 20, 321	2.8	13
34	Electronic mosquito repellents for preventing mosquito bites and malaria infection. <i>The Cochrane Library</i> , <b>2007</b> , CD005434	5.2	13
33	Parasitology. New ways to control malaria. <i>Science</i> , <b>2004</b> , 303, 1984-5	33.3	12
32	Evolution of insecticide resistance and its mechanisms in <i>Anopheles stephensi</i> in the WHO Eastern Mediterranean Region. <i>Malaria Journal</i> , <b>2020</b> , 19, 258	3.6	12

31	LLIN Evaluation in Uganda Project (LLINEUP): a cross-sectional survey of species diversity and insecticide resistance in 48 districts of Uganda. <i>Parasites and Vectors</i> , <b>2019</b> , 12, 94	4	11
30	LLIN Evaluation in Uganda Project (LLINEUP): factors associated with childhood parasitaemia and anaemia 3 years after a national long-lasting insecticidal net distribution campaign: a cross-sectional survey. <i>Malaria Journal</i> , <b>2019</b> , 18, 207	3.6	11
29	Malaria: Fifteen years of interventions. <i>Nature</i> , <b>2015</b> , 526, 198-9	50.4	10
28	Identification of reduced fitness associated with an insecticide resistance gene in <i>Culex pipiens</i> by microtitre plate tests. <i>Medical and Veterinary Entomology</i> , <b>1991</b> , 5, 377-9	2.4	8
27	Status of insecticide resistance and its biochemical and molecular mechanisms in <i>Anopheles stephensi</i> (Diptera: Culicidae) from Afghanistan. <i>Malaria Journal</i> , <b>2019</b> , 18, 249	3.6	7
26	Development of a Simple Dipstick Assay for Operational Monitoring of DDT. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004324	4.8	7
25	Fauna, Ecological Characteristics, and Checklist of the Mosquitoes in Mazandaran Province, Northern Iran. <i>Journal of Medical Entomology</i> , <b>2018</b> , 55, 634-645	2.2	6
24	Increasing evidence of low lymphatic filariasis prevalence in high risk Loa loa areas in Central and West Africa: a literature review. <i>Parasites and Vectors</i> , <b>2018</b> , 11, 349	4	6
23	A note on simple biochemical methods for resistance detection and their field application in Sri Lanka. <i>Pest Management Science</i> , <b>1989</b> , 27, 281-285		6
22	Nature or nurture? survival rate, oviposition interval, and possible gonotrophic discordance among South East Asian anophelines. <i>Malaria Journal</i> , <b>2016</b> , 15, 356	3.6	6
21	Hybrid prevalence estimation: Method to improve intervention coverage estimations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 13063-13068	11.5	6
20	Development of a colourimetric pH assay for the quantification of pyrethroids based on glutathione-S-transferase. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2010</b> , 90, 922-933 <sup>1.8</sup>		5
19	Improved assessment of mass drug administration and health district management performance to eliminate lymphatic filariasis. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007337	4.8	4
18	Vector Biology Diagnostics and Public Health Pesticide Development through the Product Development Partnership Route.. <i>ACS Symposium Series</i> , <b>2009</b> , 3-9	0.4	4
17	Immunological cross-reactivity of a mosquito carboxylesterase-A2 antibody to other mosquito and vertebrate esterases and cholinesterase. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 127S	5.1	4
16	Characterization of the major form of glutathione transferase in the mosquito <i>Anopheles dirus</i> A. <i>Biochemical Society Transactions</i> , <b>1995</b> , 23, 81S	5.1	3
15	Vectors: recognising the challenge and reducing neglect. <i>International Health</i> , <b>2019</b> , 11, 341-343	2.4	2
14	Identification of Optimal Frequencies to Determine Alpha-Cypermethrin Using Machine Learning Feature Selection Techniques <b>2018</b> ,		2

13	depletion blocks transmission of lymphatic filariasis by preventing chitinase-dependent parasite exsheathment.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2120003119	11.5	1
12	Impact of IRS: Four-years of entomological surveillance of the Indian Visceral Leishmaniasis elimination programme. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009101	4.8	0
11	Evaluation of an accelerometer-based monitor for detecting bed net use and human entry/exit using a machine learning algorithm.. <i>Malaria Journal</i> , <b>2022</b> , 21, 85	3.6	0
10	Strain Characterisation for Measuring Bioefficacy of ITNs Treated with Two Active Ingredients (Dual-AI ITNs): Developing a Robust Protocol by Building Consensus. <i>Insects</i> , <b>2022</b> , 13, 434	2.8	0
9	Response: Integrated approach to malaria control. <i>Science</i> , <b>2018</b> , 359, 529	33.3	
8	Evidence for polymorphism in mosquito esterases involved in insecticide resistance. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 480S	5.1	
7	The function of esterases in insecticide resistance in <i>Culex quinquefasciatus</i> mosquitoes from Sri Lanka. <i>Biochemical Society Transactions</i> , <b>1993</b> , 21, 482S	5.1	
6	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		
5	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		
4	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		
3	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		
2	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		
1	Mapping trends in insecticide resistance phenotypes in African malaria vectors <b>2020</b> , 18, e3000633		