Janet Hemingway

List of Publications by Year in Descending Order

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	Evaluation of an accelerometer-based monitor for detecting bed net use and human entry/exit using a machine learning algorithm.. *Malaria Journal*, **2022**, 21, 85	3.6	0
83	depletion blocks transmission of lymphatic filariasis by preventing chitinase-dependent parasite exsheathment.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2120003119	11.5	1
82	Strain Characterisation for Measuring Bioefficacy of ITNs Treated with Two Active Ingredients (Dual-AI ITNs): Developing a Robust Protocol by Building Consensus. *Insects*, **2022**, 13, 434	2.8	0
81	Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	19
80	Impact of IRS: Four-years of entomological surveillance of the Indian Visceral Leishmaniases elimination programme. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009101	4.8	0
79	Mapping trends in insecticide resistance phenotypes in African malaria vectors. *PLoS Biology*, **2020**, 18, e3000633	9.7	36
78	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. *Lancet, The*, **2020**, 395, 1292-1303	40	42
77	Evolution of insecticide resistance and its mechanisms in Anopheles stephensi in the WHO Eastern Mediterranean Region. *Malaria Journal*, **2020**, 19, 258	3.6	12
76	Evaluating insecticide resistance across African districts to aid malaria control decisions. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 22042-22050	11.5	20
75	A new malaria vector in Africa: Predicting the expansion range of and identifying the urban populations at risk. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 24900-24908	11.5	54
74	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
73	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
72	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
71	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
70	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
69	Mapping trends in insecticide resistance phenotypes in African malaria vectors **2020**, 18, e3000633		
68	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. *Trials*, **2019**, 20, 321	2.8	13

67	LLIN Evaluation in Uganda Project (LLINEUP): a cross-sectional survey of species diversity and insecticide resistance in 48 districts of Uganda. *Parasites and Vectors*, **2019**, 12, 94	4	11
66	Status of insecticide resistance and its biochemical and molecular mechanisms in Anopheles stephensi (Diptera: Culicidae) from Afghanistan. *Malaria Journal*, **2019**, 18, 249	3.6	7
65	Improved assessment of mass drug administration and health district management performance to eliminate lymphatic filariasis. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007337	4.8	4
64	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. *Malaria Journal*, **2019**, 18, 207	3.6	11
63	Vectors: recognising the challenge and reducing neglect. *International Health*, **2019**, 11, 341-343	2.4	2
62	AWZ1066S, a highly specific anti- drug candidate for a short-course treatment of filariasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 1414-1419	11.5	36
61	Rapid selection of a pyrethroid metabolic enzyme CYP9K1 by operational malaria control activities. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4619-4624	11.5	50
60	Response: Integrated approach to malaria control. *Science*, **2018**, 359, 529	33.3	
59	Fauna, Ecological Characteristics, and Checklist of the Mosquitoes in Mazandaran Province, Northern Iran. *Journal of Medical Entomology*, **2018**, 55, 634-645	2.2	6
58	Increasing evidence of low lymphatic filariasis prevalence in high risk Loa loa areas in Central and West Africa: a literature review. *Parasites and Vectors*, **2018**, 11, 349	4	6
57	Resistance: A problem without an easy solution. *Pesticide Biochemistry and Physiology*, **2018**, 151, 73-75	4.9	19
56	Identification of Optimal Frequencies to Determine Alpha-Cypermethrin Using Machine Learning Feature Selection Techniques **2018**,		2
55	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. *Malaria Journal*, **2018**, 17, 421	3.6	24
54	Hybrid prevalence estimation: Method to improve intervention coverage estimations. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13063-13068	11.5	6
53	Associated patterns of insecticide resistance in field populations of malaria vectors across Africa. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5938-5943	11.5	33
52	Developing global maps of insecticide resistance risk to improve vector control. *Malaria Journal*, **2017**, 16, 86	3.6	42
51	Restriction to gene flow is associated with changes in the molecular basis of pyrethroid resistance in the malaria vector Anopheles funestus. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 286-291	11.5	26
50	Genomic Footprints of Selective Sweeps from Metabolic Resistance to Pyrethroids in African Malaria Vectors Are Driven by Scale up of Insecticide-Based Vector Control. *PLoS Genetics*, **2017**, 13, e1006539	6	39

49	malERA: An updated research agenda for malaria elimination and eradication. *PLoS Medicine*, **2017**, 14, e1002456	11.6	148
48	Impact of insecticide resistance in on malaria incidence and prevalence in Sudan and the costs of mitigation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11267-E11275	11.5	23
47	The way forward for vector control. *Science*, **2017**, 358, 998-999	33.3	24
46	Albendazole and antibiotics synergize to deliver short-course anti- curative treatments in preclinical models of filariasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E9712-E9721	11.5	33
45	Geographical distributions of African malaria vector sibling species and evidence for insecticide resistance. *Malaria Journal*, **2017**, 16, 85	3.6	72
44	Evidence of metabolic mechanisms playing a role in multiple insecticides resistance in Anopheles stephensi populations from Afghanistan. *Malaria Journal*, **2017**, 16, 100	3.6	24
43	Pyrethroid resistance in Iranian field populations of Rhipicephalus (Boophilus) annulatus. *Pesticide Biochemistry and Physiology*, **2017**, 136, 70-79	4.9	14
42	An economic evaluation of vector control in the age of a dengue vaccine. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005785	4.8	49
41	Cytochrome P450 associated with insecticide resistance catalyzes cuticular hydrocarbon production in Anopheles gambiae. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9268-73	11.5	177
40	Understanding the transmission dynamics of Leishmania donovani to provide robust evidence for interventions to eliminate visceral leishmaniasis in Bihar, India. *Parasites and Vectors*, **2016**, 9, 25	4	47
39	Averting a malaria disaster: will insecticide resistance derail malaria control?. *Lancet, The*, **2016**, 387, 1785-8	40	247
38	Artemisinin activity-based probes identify multiple molecular targets within the asexual stage of the malaria parasites Plasmodium falciparum 3D7. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2080-5	11.5	148
37	Development of a Simple Dipstick Assay for Operational Monitoring of DDT. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004324	4.8	7
36	Nature or nurture: survival rate, oviposition interval, and possible gonotrophic discordance among South East Asian anophelines. *Malaria Journal*, **2016**, 15, 356	3.6	6
35	Tools and Strategies for Malaria Control and Elimination: What Do We Need to Achieve a Grand Convergence in Malaria?. *PLoS Biology*, **2016**, 14, e1002380	9.7	123
34	Malaria eradication and elimination: views on how to translate a vision into reality. *BMC Medicine*, **2015**, 13, 167	11.4	83
33	Malaria: Fifteen years of interventions. *Nature*, **2015**, 526, 198-9	50.4	10
32	Implementation of the global plan for insecticide resistance management in malaria vectors: progress, challenges and the way forward. *Malaria Journal*, **2015**, 14, 173	3.6	88

31	DDT-based indoor residual spraying suboptimal for visceral leishmaniasis elimination in India. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8573-8	11.5	65
30	A single mutation in the GSTe2 gene allows tracking of metabolically based insecticide resistance in a major malaria vector. *Genome Biology*, **2014**, 15, R27	18.3	180
29	A country on the verge of malaria elimination--the Kingdom of Saudi Arabia. *PLoS ONE*, **2014**, 9, e105980	3.7	28
28	Underpinning sustainable vector control through informed insecticide resistance management. *PLoS ONE*, **2014**, 9, e99822	3.7	37
27	The impact of pyrethroid resistance on the efficacy of insecticide-treated bed nets against African anopheline mosquitoes: systematic review and meta-analysis. *PLoS Medicine*, **2014**, 11, e1001619	11.6	152
26	The role of vector control in stopping the transmission of malaria: threats and opportunities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130431	5.8	139
25	Country-level operational implementation of the Global Plan for Insecticide Resistance Management. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9397-402	11.5	65
24	A global map of dominant malaria vectors. *Parasites and Vectors*, **2012**, 5, 69	4	347
23	Impact of pyrethroid resistance on operational malaria control in Malawi. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19063-70	11.5	93
22	Development of a colourimetric pH assay for the quantification of pyrethroids based on glutathione-S-transferase. *International Journal of Environmental Analytical Chemistry*, **2010**, 90, 922-933	1.8	5
21	Vector Biology Diagnostics and Public Health Pesticide Development through the Product Development Partnership Route.. *ACS Symposium Series*, **2009**, 3-9	0.4	4
20	Two duplicated P450 genes are associated with pyrethroid resistance in Anopheles funestus, a major malaria vector. *Genome Research*, **2009**, 19, 452-9	9.7	168
19	Characterization of knockdown resistance in DDT- and pyrethroid-resistant Culex quinquefasciatus populations from Sri Lanka. *Tropical Medicine and International Health*, **2008**, 13, 548-55	2.3	39
18	Insecticide resistance monitoring and evaluation in disease transmitting mosquitoes. *Journal of Pesticide Sciences*, **2007**, 32, 69-76	2.7	45
17	Mapping a quantitative trait locus (QTL) conferring pyrethroid resistance in the African malaria vector Anopheles funestus. *BMC Genomics*, **2007**, 8, 34	4.5	51
16	Identification and analysis of single nucleotide polymorphisms (SNPs) in the mosquito Anopheles funestus, malaria vector. *BMC Genomics*, **2007**, 8, 5	4.5	86
15	Electronic mosquito repellents for preventing mosquito bites and malaria infection. *The Cochrane Library*, **2007**, CD005434	5.2	13
14	The Innovative Vector Control Consortium: improved control of mosquito-borne diseases. *Trends in Parasitology*, **2006**, 22, 308-12	6.4	200

13	Taking aim at mosquitoes. *Nature*, **2004**, 430, 936	50.4	15
12	Parasitology. New ways to control malaria. *Science*, **2004**, 303, 1984-5	33.3	12
11	The molecular basis of insecticide resistance in mosquitoes. *Insect Biochemistry and Molecular Biology*, **2004**, 34, 653-65	4.5	672
10	Purification, molecular cloning and heterologous expression of a glutathione S-transferase involved in insecticide resistance from the rice brown planthopper, Nilaparvata lugens. *Biochemical Journal*, **2002**, 362, 329-337	3.8	138
9	An overview of insecticide resistance. *Science*, **2002**, 298, 96-7	33.3	229
8	DDT-resistance in Anopheles gambiae (Diptera: Culicidae) from Zanzibar, Tanzania, based on increased DDT-dehydrochlorinase activity of glutathione S-transferases. *Bulletin of Entomological Research*, **1995**, 85, 267-274	1.7	55
7	Characterization of the major form of glutathione transferase in the mosquito Anopheles dirus A. *Biochemical Society Transactions*, **1995**, 23, 81S	5.1	3
6	Immunological cross-reactivity of a mosquito carboxylesterase-A2 antibody to other mosquito and vertebrate esterases and cholinesterase. *Biochemical Society Transactions*, **1994**, 22, 127S	5.1	4
5	Evidence for polymorphism in mosquito esterases involved in insecticide resistance. *Biochemical Society Transactions*, **1993**, 21, 480S	5.1	
4	The function of esterases in insecticide resistance in Culex quinquefasciatus mosquitoes from Sri Lanka. *Biochemical Society Transactions*, **1993**, 21, 482S	5.1	
3	Changes in enzyme titres with age in four geographical strains of Aedes aegypti and their association with insecticide resistance. *Medical and Veterinary Entomology*, **1993**, 7, 11-6	2.4	25
2	Identification of reduced fitness associated with an insecticide resistance gene in Culex pipiens by microtitre plate tests. *Medical and Veterinary Entomology*, **1991**, 5, 377-9	2.4	8
1	A note on simple biochemical methods for resistance detection and their field application in Sri Lanka. *Pest Management Science*, **1989**, 27, 281-285		6