

# Penelope A Hancock

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

870  
citations

567144

15  
h-index

677027

22  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Introducing Wolbachia to Reduce Transmission of Mosquito-Borne Diseases. PLoS Neglected Tropical Diseases, 2011, 5, e1024.	1.3	103
2	Population Dynamic Models of the Spread of <i>Wolbachia</i> . American Naturalist, 2011, 177, 323-333.	1.0	101
3	Mapping trends in insecticide resistance phenotypes in African malaria vectors. PLoS Biology, 2020, 18, e3000633.	2.6	92
4	Density-dependent population dynamics in <i>Aedes aegypti</i> slow the spread of <i>Wolbachia</i> . Journal of Applied Ecology, 2016, 53, 785-793.	1.9	66
5	Modelling the effect of temperature variation on the seasonal dynamics of <i>Ixodes ricinus</i> tick populations. International Journal for Parasitology, 2011, 41, 513-522.	1.3	57
6	Predicting Wolbachia invasion dynamics in <i>Aedes aegypti</i> populations using models of density-dependent demographic traits. BMC Biology, 2016, 14, 96.	1.7	50
7	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.	3.3	45
8	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.	3.3	45
9	Combining Fungal Biopesticides and Insecticide-Treated Bednets to Enhance Malaria Control. PLoS Computational Biology, 2009, 5, e1000525.	1.5	41
10	Modelling the spread of <i>Wolbachia</i> in spatially heterogeneous environments. Journal of the Royal Society Interface, 2012, 9, 3045-3054.	1.5	40
11	Application of the lumped age-class technique to studying the dynamics of malaria-mosquito-human interactions. Malaria Journal, 2007, 6, 98.	0.8	36
12	Analysis-ready datasets for insecticide resistance phenotype and genotype frequency in African malaria vectors. Scientific Data, 2019, 6, 121.	2.4	25
13	An increasing role of pyrethroid-resistant <i>Anopheles funestus</i> in malaria transmission in the Lake Zone, Tanzania. Scientific Reports, 2021, 11, 13457.	1.6	25
14	Modelling the many-wrongs principle: The navigational advantages of aggregation in nomadic foragers. Journal of Theoretical Biology, 2006, 240, 302-310.	0.8	24
15	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. PLoS Computational Biology, 2020, 16, e1007446.	1.5	20
16	The potential for fungal biopesticides to reduce malaria transmission under diverse environmental conditions. Journal of Applied Ecology, 2015, 52, 1558-1566.	1.9	18
17	Global estimation of anti-malarial drug effectiveness for the treatment of uncomplicated <i>Plasmodium falciparum</i> malaria 1991-2019. Malaria Journal, 2020, 19, 374.	0.8	18
18	Predicting the spatial dynamics of <i>Wolbachia</i> infections in <i>Aedes aegypti</i> arbovirus vector populations in heterogeneous landscapes. Journal of Applied Ecology, 2019, 56, 1674-1686.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Predicting non-state terrorism worldwide. <i>Science Advances</i> , 2021, 7, .	4.7	15
20	Mapping Geospatial Processes Affecting the Environmental Fate of Agricultural Pesticides in Africa. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3523.	1.2	10
21	Modelling spatiotemporal trends in the frequency of genetic mutations conferring insecticide target-site resistance in African mosquito malaria vector species. <i>BMC Biology</i> , 2022, 20, 46.	1.7	8
22	Strategies for Controlling Non-Transmissible Infection Outbreaks Using a Large Human Movement Data Set. <i>PLoS Computational Biology</i> , 2014, 10, e1003809.	1.5	6
23	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
24	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
25	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
26	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
27	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
28	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
29	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
30	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
31	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
32	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0