Thomas Walker

List of Publications by Year
in descending order

44 papers	2,726 citations	331670 21 h-index	265206 42 g-index
62 all docs	62 docs citations	62 times ranked	3044 citing authors

#	Article	IF	Citations
1	Wolbachia and the biological control of mosquitoâ€borne disease. EMBO Reports, 2011, 12, 508-518.	4.5	349
2	Limited Dengue Virus Replication in Field-Collected Aedes aegypti Mosquitoes Infected with Wolbachia. PLoS Neglected Tropical Diseases, 2014, 8, e2688.	3.0	288
3	Biological Control of Mosquito Vectors: Past, Present, and Future. Insects, 2016, 7, 52.	2.2	255
4	Genome Evolution of Wolbachia Strain wPip from the Culex pipiens Group. Molecular Biology and Evolution, 2008, 25, 1877-1887.	8.9	210
5	Establishment of a Wolbachia Superinfection in Aedes aegypti Mosquitoes as a Potential Approach for Future Resistance Management. PLoS Pathogens, 2016, 12, e1005434.	4.7	182
6	Zika virus outbreak in the Americas: the need for novel mosquito control methods. The Lancet Global Health, 2016, 4, e148-e149.	6.3	144
7	Horizontal gene transfer between Wolbachia and the mosquito Aedes aegypti. BMC Genomics, 2009, 10, 33.	2.8	142
8	Wolbachia variability and host effects on crossing type in Culex mosquitoes. Nature, 2005, 436, 257-260.	27.8	139
9	Genomic Evolution of the Pathogenic Wolbachia Strain, wMelPop. Genome Biology and Evolution, 2013, 5, 2189-2204.	2.5	96
10	Blood meal induced microRNA regulates development and immune associated genes in the Dengue mosquito vector, Aedes aegypti. Insect Biochemistry and Molecular Biology, 2013, 43, 146-152.	2.7	79
11	Anopheles stephensi Mosquitoes as Vectors of Plasmodium vivax and falciparum, Horn of Africa, 2019. Emerging Infectious Diseases, 2021, 27, 603-607.	4.3	74
12	Novel Wolbachia strains in Anopheles malaria vectors from Sub-Saharan Africa. Wellcome Open Research, 2018, 3, 113.	1.8	66
13	Ankyrin repeat domain-encoding genes in the wPip strain of Wolbachia from the Culex pipiens group. BMC Biology, 2007, 5, 39.	3.8	60
14	Differentially expressed profiles in the larval testes of Wolbachia infected and uninfected Drosophila. BMC Genomics, 2011, 12, 595.	2.8	58
15	Can Wolbachia be used to control malaria?. Memorias Do Instituto Oswaldo Cruz, 2011, 106, 212-217.	1.6	54
16	Stable high-density and maternally inherited Wolbachia infections in Anopheles moucheti and Anopheles demeilloni mosquitoes. Current Biology, 2021, 31, 2310-2320.e5.	3.9	49
17	The relationship between insecticide resistance, mosquito age and malaria prevalence in Anopheles gambiae s.l. from Guinea. Scientific Reports, 2019, 9, 8846.	3.3	47
18	Wolbachia Biocontrol Strategies for Arboviral Diseases and the Potential Influence of Resident Wolbachia Strains in Mosquitoes. Current Tropical Medicine Reports, 2016, 3, 20-25.	3.7	41

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19	Habitat and Seasonality Affect Mosquito Community Composition in the West Region of Cameroon. Insects, 2020, 11, 312.	2.2	40
20	The Potential Use of Wolbachia-Based Mosquito Biocontrol Strategies for Japanese Encephalitis. PLoS Neglected Tropical Diseases, 2015, 9, e0003576.	3.0	36
21	Novel Wolbachia strains in Anopheles malaria vectors from Sub-Saharan Africa. Wellcome Open Research, 2018, 3, 113.	1.8	34
22	Characterizing the molecular and metabolic mechanisms of insecticide resistance in Anopheles gambiae in Faranah, Guinea. Malaria Journal, 2019, 18, 244.	2.3	29
23	Wolbachia in the Culex pipiens Group Mosquitoes: Introgression and Superinfection. Journal of Heredity, 2009, 100, 192-196.	2.4	23
24	Diverse novel resident Wolbachia strains in Culicine mosquitoes from Madagascar. Scientific Reports, 2018, 8, 17456.	3.3	19
25	An assessment of adult mosquito collection techniques for studying species abundance and diversity in Maferinyah, Guinea. Parasites and Vectors, 2020, 13, 150.	2.5	19
26	Overabundance of Asaia and Serratia Bacteria Is Associated with Deltamethrin Insecticide Susceptibility in Anopheles coluzzii from Agboville, CÃ´te dâ€™Ivoire. Microbiology Spectrum, 2021, 9, e0015721.	3.0	18
27	Investigating the blood-host plasticity and dispersal of Anopheles coluzzii using a novel field-based methodology. Parasites and Vectors, 2019, 12, 143.	2.5	16
28	Using the human blood index to investigate host biting plasticity: a systematic review and meta-regression of the three major African malaria vectors. Malaria Journal, 2018, 17, 479.	2.3	15
29	Evidence of extrinsic factors dominating intrinsic blood host preferences of major African malaria vectors. Scientific Reports, 2020, 10, 741.	3.3	13
30	A community-level investigation following a yellow fever virus outbreak in South Omo Zone, South-West Ethiopia. PeerJ, 2019, 7, e6466.	2.0	12
31	Association of Reduced Long-Lasting Insecticidal Net Efficacy and Pyrethroid Insecticide Resistance With Overexpression of CYP6P4, CYP6P3, and CYP6Z1 in Populations of Anopheles coluzzii From Southeast CÃ´te dâ€™Ivoire. Journal of Infectious Diseases, 2022, 225, 1424-1434.	4.0	12
32	Using bacteria to treat diseases. Expert Opinion on Biological Therapy, 2012, 12, 701-712.	3.1	11
33	Comparison of Methods for Xenomonitoring in Vectors of Lymphatic Filariasis in Northeastern Tanzania. American Journal of Tropical Medicine and Hygiene, 2015, 93, 983-989.	1.4	11
34	Evidence for natural hybridization and novel Wolbachia strain superinfections in the Anopheles gambiae complex from Guinea. Royal Society Open Science, 2021, 8, 202032.	2.4	11
35	Development of an urban molecular xenomonitoring system for lymphatic filariasis in the Recife Metropolitan Region, Brazil. PLoS Neglected Tropical Diseases, 2018, 12, e0006816.	3.0	10
36	No evidence of Zika, dengue, or chikungunya virus infection in field-caught mosquitoes from the Recife Metropolitan Region, Brazil, 2015. Wellcome Open Research, 2019, 4, 93.	1.8	6

#	Article	IF	Citations
37	Investigating molecular mechanisms of insecticide resistance in the Eastern Democratic Republic of the Congo. Malaria Journal, 2021, 20, 464.	2.3	6
38	A Comparison of Adult Mosquito Trapping Methods to Assess Potential West Nile Virus Mosquito Vectors in Greece during the Onset of the 2018 Transmission Season. Insects, 2020, 11, 329.	2.2	5
39	Establishment of a method for Lutzomyia longipalpis sand fly egg microinjection: The first step towards potential novel control strategies for leishmaniasis. Wellcome Open Research, 2018, 3, 55.	1.8	5
40	Detection of Cell-Fusing Agent virus across ecologically diverse populations of Aedes aegypti on the Caribbean island of Saint Lucia. Wellcome Open Research, 2020, 5, 149.	1.8	4
41	Alternative vector control methods to manage the Zika virus outbreak: more haste, less speed â€“ Authors' reply. The Lancet Global Health, 2016, 4, e365-e366.	6.3	3
42	Establishment of a method for Lutzomyia longipalpis sand fly embryo microinjection: The first step towards potential novel control strategies for leishmaniasis. Wellcome Open Research, 0, 3, 55.	1.8	3
43	Wolbachia endosymbionts in two Anopheles species indicates independent acquisitions and lack of prophage elements. Microbial Genomics, 2022, 8, .	2.0	3
44	Detection of a novel insect-specific flavivirus across ecologically diverse populations of Aedes aegypti on the Caribbean island of Saint Lucia. Wellcome Open Research, 2020, 5, 149.	1.8	0