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List of Publications by Citations

201 papers	19,780 citations	73 h-index	138 g-index
206 ext. papers	22,767 ext. citations	7.4 avg, IF	6.71 L-index

#	Paper	IF	Citations
201	A Wolbachia symbiont in Aedes aegypti limits infection with dengue, Chikungunya, and Plasmodium. *Cell*, **2009**, 139, 1268-78	56.2	1073
200	Successful establishment of Wolbachia in Aedes populations to suppress dengue transmission. *Nature*, **2011**, 476, 454-7	50.4	984
199	16S rRNA phylogenetic analysis of the bacterial endosymbionts associated with cytoplasmic incompatibility in insects. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 2699-702	11.5	918
198	Phylogeny and PCR-based classification of Wolbachia strains using wsp gene sequences. *Proceedings of the Royal Society B: Biological Sciences*, **1998**, 265, 509-15	4.4	880
197	The wMel Wolbachia strain blocks dengue and invades caged Aedes aegypti populations. *Nature*, **2011**, 476, 450-3	50.4	841
196	Wolbachia and virus protection in insects. *Science*, **2008**, 322, 702	33.3	799
195	Stable introduction of a life-shortening Wolbachia infection into the mosquito Aedes aegypti. *Science*, **2009**, 323, 141-4	33.3	656
194	Phylogenomics of the reproductive parasite Wolbachia pipientis wMel: a streamlined genome overrun by mobile genetic elements. *PLoS Biology*, **2004**, 2, E69	9.7	613
193	Cloning and characterization of a gene encoding the major surface protein of the bacterial endosymbiont Wolbachia pipientis. *Journal of Bacteriology*, **1998**, 180, 2373-8	3.5	472
192	Bidirectional incompatibility between conspecific populations of Drosophila simulans. *Nature*, **1990**, 348, 178-80	50.4	340
191	Wolbachia infections are distributed throughout insect somatic and germ line tissues. *Insect Biochemistry and Molecular Biology*, **1999**, 29, 153-60	4.5	299
190	Interspecific and intraspecific horizontal transfer of Wolbachia in Drosophila. *Science*, **1993**, 260, 1796-9	33.3	294
189	Wolbachia and the biological control of mosquito-borne disease. *EMBO Reports*, **2011**, 12, 508-18	6.5	269
188	Beyond insecticides: new thinking on an ancient problem. *Nature Reviews Microbiology*, **2013**, 11, 181-93	22.2	257
187	Variation in antiviral protection mediated by different Wolbachia strains in Drosophila simulans. *PLoS Pathogens*, **2009**, 5, e1000656	7.6	257
186	Evidence for metabolic provisioning by a common invertebrate endosymbiont, Wolbachia pipientis, during periods of nutritional stress. *PLoS Pathogens*, **2009**, 5, e1000368	7.6	254
185	Impact of Wolbachia on infection with chikungunya and yellow fever viruses in the mosquito vector Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1892	4.8	247

184	Wolbachia density and virulence attenuation after transfer into a novel host. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2918-23	11.5	237
183	Limited dengue virus replication in field-collected Aedes aegypti mosquitoes infected with Wolbachia. *PLoS Neglected Tropical Diseases*, **2014**, 8, e2688	4.8	229
182	The relative importance of innate immune priming in Wolbachia-mediated dengue interference. *PLoS Pathogens*, **2012**, 8, e1002548	7.6	214
181	Stability of the wMel Wolbachia Infection following invasion into Aedes aegypti populations. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3115	4.8	204
180	Wolbachia superinfections and the expression of cytoplasmic incompatibility. *Proceedings of the Royal Society B: Biological Sciences*, **1995**, 261, 325-30	4.4	192
179	Evidence for a global Wolbachia replacement in Drosophila melanogaster. *Current Biology*, **2005**, 15, 1428-33	6.3	181
178	Genome evolution of Wolbachia strain wPip from the Culex pipiens group. *Molecular Biology and Evolution*, **2008**, 25, 1877-87	8.3	179
177	Dietary cholesterol modulates pathogen blocking by Wolbachia. *PLoS Pathogens*, **2013**, 9, e1003459	7.6	177
176	Wolbachia uses host microRNAs to manipulate host gene expression and facilitate colonization of the dengue vector Aedes aegypti. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9250-5	11.5	176
175	Modeling the impact on virus transmission of Wolbachia-mediated blocking of dengue virus infection of Aedes aegypti. *Science Translational Medicine*, **2015**, 7, 279ra37	17.5	165
174	Antiviral protection and the importance of Wolbachia density and tissue tropism in Drosophila simulans. *Applied and Environmental Microbiology*, **2012**, 78, 6922-9	4.8	156
173	Replacement of the natural Wolbachia symbiont of Drosophila simulans with a mosquito counterpart. *Nature*, **1994**, 367, 453-5	50.4	156
172	Local introduction and heterogeneous spatial spread of dengue-suppressing Wolbachia through an urban population of Aedes aegypti. *PLoS Biology*, **2017**, 15, e2001894	9.7	155
171	Wolbachia uses a host microRNA to regulate transcripts of a methyltransferase, contributing to dengue virus inhibition in Aedes aegypti. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10276-81	11.5	152
170	Controlling vector-borne diseases by releasing modified mosquitoes. *Nature Reviews Microbiology*, **2018**, 16, 508-518	22.2	150
169	Scaled deployment of Wolbachia to protect the community from dengue and other´Aedes transmitted arboviruses. *Gates Open Research*, **2018**, 2, 36	2.4	147
168	Distribution and diversity of Wolbachia infections in Southeast Asian mosquitoes (Diptera: Culicidae). *Journal of Medical Entomology*, **2000**, 37, 340-5	2.2	146
167	Wolbachia-mediated resistance to dengue virus infection and death at the cellular level. *PLoS ONE*, **2010**, 5, e13398	3.7	142

166	Rescuing Wolbachia have been overlooked. *Nature*, **1998**, 391, 852-3	50.4	142
165	Establishment of a Wolbachia Superinfection in Aedes aegypti Mosquitoes as a Potential Approach for Future Resistance Management. *PLoS Pathogens*, **2016**, 12, e1005434	7.6	142
164	Taxonomic status of the intracellular bacterium Wolbachia pipientis. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 654-657	2.2	140
163	In vitro cultivation of Wolbachia pipientis in an Aedes albopictus cell line. *Insect Molecular Biology*, **1997**, 6, 33-9	3.4	139
162	Wolbachia infections and the expression of cytoplasmic incompatibility in Drosophila sechellia and D. mauritiana. *Genetics*, **1995**, 140, 1307-17	4	138
161	Dynamics of the "popcorn" Wolbachia infection in outbred Aedes aegypti informs prospects for mosquito vector control. *Genetics*, **2011**, 187, 583-95	4	133
160	Tissue distribution and prevalence of Wolbachia infections in tsetse flies, Glossina spp. *Medical and Veterinary Entomology*, **2000**, 14, 44-50	2.4	132
159	Field evaluation of the establishment potential of wMelPop Wolbachia in Australia and Vietnam for dengue control. *Parasites and Vectors*, **2015**, 8, 563	4	128
158	Wolbachia infection reduces blood-feeding success in the dengue fever mosquito, Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2009**, 3, e516	4.8	128
157	Modification of arthropod vector competence via symbiotic bacteria. *Parasitology Today*, **1993**, 9, 179-83		126
156	Wolbachia neither induces nor suppresses transcripts encoding antimicrobial peptides. *Insect Molecular Biology*, **2000**, 9, 635-9	3.4	120
155	Distribution, expression, and motif variability of ankyrin domain genes in Wolbachia pipientis. *Journal of Bacteriology*, **2005**, 187, 5136-45	3.5	114
154	Scaled deployment of to protect the community from dengue and other´transmitted arboviruses. *Gates Open Research*, **2018**, 2, 36	2.4	114
153	Host adaptation of a Wolbachia strain after long-term serial passage in mosquito cell lines. *Applied and Environmental Microbiology*, **2008**, 74, 6963-9	4.8	112
152	A virulent Wolbachia infection decreases the viability of the dengue vector Aedes aegypti during periods of embryonic quiescence. *PLoS Neglected Tropical Diseases*, **2010**, 4, e748	4.8	110
151	Phylogenetically distant symbiotic microorganisms reside in Glossina midgut and ovary tissues. *Medical and Veterinary Entomology*, **1993**, 7, 377-83	2.4	108
150	The potential of virulent Wolbachia to modulate disease transmission by insects. *Journal of Invertebrate Pathology*, **2003**, 84, 24-9	2.6	107
149	"Wolbachia" Infections and Arthropod Reproduction. *BioScience*, **1998**, 48, 287-293	5.7	105

148	Wolbachia pipientis: bacterial density and unidirectional cytoplasmic incompatibility between infected populations of Aedes albopictus. *Experimental Parasitology*, **1995**, 81, 284-91	2.1	101
147	Wolbachia Reduces the Transmission Potential of Dengue-Infected Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003894	4.8	94
146	Competition for amino acids between Wolbachia and the mosquito host, Aedes aegypti. *Microbial Ecology*, **2014**, 67, 205-18	4.4	91
145	Establishment of Mel in mosquitoes and reduction of local dengue transmission in Cairns and surrounding locations in northern Queensland, Australia. *Gates Open Research*, **2019**, 3, 1547	2.4	88
144	Wolbachia-associated bacterial protection in the mosquito Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2362	4.8	87
143	Genetic transformation and phylogeny of bacterial symbionts from tsetse. *Insect Molecular Biology*, **1993**, 1, 123-31	3.4	86
142	An ancient horizontal gene transfer between mosquito and the endosymbiotic bacterium Wolbachia pipientis. *Molecular Biology and Evolution*, **2009**, 26, 367-74	8.3	84
141	Modifying insect population age structure to control vector-borne disease. *Advances in Experimental Medicine and Biology*, **2008**, 627, 126-40	3.6	83
140	Male development time influences the strength of Wolbachia-induced cytoplasmic incompatibility expression in Drosophila melanogaster. *Genetics*, **2007**, 177, 801-8	4	81
139	Wolbachia pipientis: intracellular infection and pathogenesis in Drosophila. *Current Opinion in Microbiology*, **2004**, 7, 67-70	7.9	81
138	Wolbachia-mediated sperm modification is dependent on the host genotype in Drosophila. *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 2565-70	4.4	81
137	The use of transcriptional profiles to predict adult mosquito age under field conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18060-5	11.5	80
136	Guidance for contained field trials of vector mosquitoes engineered to contain a gene drive system: recommendations of a scientific working group. *Vector-Borne and Zoonotic Diseases*, **2008**, 8, 127-66	2.4	79
135	Mutual exclusion of Asaia and Wolbachia in the reproductive organs of mosquito vectors. *Parasites and Vectors*, **2015**, 8, 278	4	77
134	Genomic evolution of the pathogenic Wolbachia strain, wMelPop. *Genome Biology and Evolution*, **2013**, 5, 2189-204	3.9	77
133	Human probing behavior of Aedes aegypti when infected with a life-shortening strain of Wolbachia. *PLoS Neglected Tropical Diseases*, **2009**, 3, e568	4.8	77
132	Matching the genetics of released and local Aedes aegypti populations is critical to assure Wolbachia invasion. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007023	4.8	77
131	Increased locomotor activity and metabolism of Aedes aegypti infected with a life-shortening strain of Wolbachia pipientis. *Journal of Experimental Biology*, **2009**, 212, 1436-41	3	76

130	Field- and clinically derived estimates of -mediated blocking of dengue virus transmission potential in mosquitoes. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 361-366	11.5	75
129	Establishment of wMel Wolbachia in Aedes aegypti mosquitoes and reduction of local dengue transmission in Cairns and surrounding locations in northern Queensland, Australia. *Gates Open Research*, **2019**, 3, 1547	2.4	75
128	Characterization of Wolbachia host cell range via the in vitro establishment of infections. *Applied and Environmental Microbiology*, **2002**, 68, 656-60	4.8	73
127	A stable triple Wolbachia infection in Drosophila with nearly additive incompatibility effects. *Heredity*, **1999**, 82 (Pt 6), 620-7	3.6	72
126	Determination of Wolbachia genome size by pulsed-field gel electrophoresis. *Journal of Bacteriology*, **2001**, 183, 2219-25	3.5	71
125	wsp gene sequences from the Wolbachia of filarial nematodes. *Current Microbiology*, **2000**, 41, 96-100	2.4	71
124	Blood meal induced microRNA regulates development and immune associated genes in the Dengue mosquito vector, Aedes aegypti. *Insect Biochemistry and Molecular Biology*, **2013**, 43, 146-52	4.5	67
123	Novel Wolbachia-transinfected Aedes aegypti mosquitoes possess diverse fitness and vector competence phenotypes. *PLoS Pathogens*, **2017**, 13, e1006751	7.6	66
122	The Use of Wolbachia by the World Mosquito Program to Interrupt Transmission of Aedes aegypti Transmitted Viruses. *Advances in Experimental Medicine and Biology*, **2018**, 1062, 355-360	3.6	66
121	Prospects for control of African trypanosomiasis by tsetse vector manipulation. *Trends in Parasitology*, **2001**, 17, 29-35	6.4	65
120	Wolbachia infections of tephritid fruit flies: molecular evidence for five distinct strains in a single host species. *Current Microbiology*, **2002**, 45, 255-60	2.4	62
119	Francisella-like endosymbionts of ticks. *Journal of Invertebrate Pathology*, **2000**, 76, 301-3	2.6	62
118	Distribution and Diversity of Wolbachia Infections in Southeast Asian Mosquitoes (Diptera: Culicidae). *Journal of Medical Entomology*, **2000**, 37, 340-345	2.2	61
117	The toll and Imd pathways are not required for wolbachia-mediated dengue virus interference. *Journal of Virology*, **2013**, 87, 11945-9	6.6	60
116	Efficacy of Wolbachia-Infected Mosquito Deployments for the Control of Dengue. *New England Journal of Medicine*, **2021**, 384, 2177-2186	59.2	59
115	Field prevalence of Wolbachia in the mosquito vector Aedes albopictus. *American Journal of Tropical Medicine and Hygiene*, **2002**, 66, 108-11	3.2	58
114	Host age effect and expression of cytoplasmic incompatibility in field populations of Wolbachia-superinfected Aedes albopictus. *Heredity*, **2002**, 88, 270-4	3.6	56
113	Wolbachia small noncoding RNAs and their role in cross-kingdom communications. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18721-6	11.5	55

112	Assessing key safety concerns of a Wolbachia-based strategy to control dengue transmission by Aedes mosquitoes. *Memorias Do Instituto Oswaldo Cruz*, **2010**, 105, 957-64	2.6	54
111	Maternal transmission efficiency of Wolbachia superinfections in Aedes albopictus populations in Thailand. *American Journal of Tropical Medicine and Hygiene*, **2002**, 66, 103-7	3.2	54
110	Wolbachia infections of phlebotomine sand flies (Diptera: Psychodidae). *Journal of Medical Entomology*, **2001**, 38, 237-41	2.2	53
109	Assessing the epidemiological effect of wolbachia for dengue control. *Lancet Infectious Diseases, The*, **2015**, 15, 862-6	25.5	52
108	Insect densoviruses may be widespread in mosquito cell lines. *Journal of General Virology*, **1995**, 76 (Pt 8), 2067-74	4.9	51
107	Draft genome sequence of the male-killing Wolbachia strain wBol1 reveals recent horizontal gene transfers from diverse sources. *BMC Genomics*, **2013**, 14, 20	4.5	49
106	High anti-viral protection without immune upregulation after interspecies Wolbachia transfer. *PLoS ONE*, **2014**, 9, e99025	3.7	46
105	Infection with a Virulent Strain of Wolbachia Disrupts Genome Wide-Patterns of Cytosine Methylation in the Mosquito Aedes aegypti. *PLoS ONE*, **2013**, 8, e66482	3.7	46
104	A secure semi-field system for the study of Aedes aegypti. *PLoS Neglected Tropical Diseases*, **2011**, 5, e988	4.8	46
103	Reduced dengue incidence following deployments of -infected in Yogyakarta, Indonesia: a quasi-experimental trial using controlled interrupted time series analysis. *Gates Open Research*, **2020**, 4, 50	2.4	46
102	Wolbachia-induced aae-miR-12 miRNA negatively regulates the expression of MCT1 and MCM6 genes in Wolbachia-infected mosquito cell line. *PLoS ONE*, **2012**, 7, e50049	3.7	46
101	The AWED trial (Applying Wolbachia to Eliminate Dengue) to assess the efficacy of Wolbachia-infected mosquito deployments to reduce dengue incidence in Yogyakarta, Indonesia: study protocol for a cluster randomised controlled trial. *Trials*, **2018**, 19, 302	2.8	42
100	A Wolbachia symbiont in Aedes aegypti disrupts mosquito egg development to a greater extent when mosquitoes feed on nonhuman versus human blood. *Journal of Medical Entomology*, **2011**, 48, 76-84	2.2	41
99	Stable establishment of wMel Wolbachia in Aedes aegypti populations in Yogyakarta, Indonesia. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008157	4.8	41
98	Comparison of Stable and Transient Wolbachia Infection Models in Aedes aegypti to Block Dengue and West Nile Viruses. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005275	4.8	39
97	Wolbachia infection alters the relative abundance of resident bacteria in adult Aedes aegypti mosquitoes, but not larvae. *Molecular Ecology*, **2018**, 27, 297-309	5.7	38
96	Wolbachia-host interactions: connecting phenotype to genotype. *Current Opinion in Microbiology*, **2007**, 10, 221-4	7.9	37
95	Functional test of the influence of Wolbachia genes on cytoplasmic incompatibility expression in Drosophila melanogaster. *Insect Molecular Biology*, **2011**, 20, 75-85	3.4	36

94	Tandem repeat markers as novel diagnostic tools for high resolution fingerprinting of Wolbachia. *BMC Microbiology*, **2012**, 12 Suppl 1, S12	4.5	35
93	Structural and functional characterization of the oxidoreductase alpha-DsbA1 from Wolbachia pipientis. *Antioxidants and Redox Signaling*, **2009**, 11, 1485-500	8.4	35
92	Wolbachia Infection in the Coffee Berry Borer (Coleoptera: Scolytidae). *Annals of the Entomological Society of America*, **2002**, 95, 374-378	2	35
91	A mosquito densovirus infecting Aedes aegypti and Aedes albopictus from Thailand. *American Journal of Tropical Medicine and Hygiene*, **1999**, 61, 612-7	3.2	35
90	Wolbachia interferes with the intracellular distribution of Argonaute 1 in the dengue vector Aedes aegypti by manipulating the host microRNAs. *RNA Biology*, **2013**, 10, 1868-75	4.8	34
89	Variable infection frequency and high diversity of multiple strains of Wolbachia pipientis in Perkinsiella Planthoppers. *Applied and Environmental Microbiology*, **2011**, 77, 2165-8	4.8	34
88	wMel limits zika and chikungunya virus infection in a Singapore Wolbachia-introgressed Ae. aegypti strain, wMel-Sg. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005496	4.8	34
87	Infection with the wMel and wMelPop strains of Wolbachia leads to higher levels of melanization in the hemolymph of Drosophila melanogaster, Drosophila simulans and Aedes aegypti. *Developmental and Comparative Immunology*, **2011**, 35, 360-5	3.2	32
86	The small interfering RNA pathway is not essential for Wolbachia-mediated antiviral protection in Drosophila melanogaster. *Applied and Environmental Microbiology*, **2012**, 78, 6773-6	4.8	31
85	Predicting the age of mosquitoes using transcriptional profiles. *Nature Protocols*, **2007**, 2, 2796-806	18.8	31
84	Wolbachia infection and expression of cytoplasmic incompatibility in Armigeres subalbatus (Diptera: Culicidae). *Journal of Medical Entomology*, **2000**, 37, 53-7	2.2	31
83	Evolution of Wolbachia pipientis transmission dynamics in insects. *Trends in Microbiology*, **1999**, 7, 297-302	12.4	30
82	Wolbachia-mediated virus blocking in mosquito cells is dependent on XRN1-mediated viral RNA degradation and influenced by viral replication rate. *PLoS Pathogens*, **2018**, 14, e1006879	7.6	29
81	Why do we need alternative tools to control mosquito-borne diseases in Latin America?. *Memorias Do Instituto Oswaldo Cruz*, **2012**, 107, 828-9	2.6	29
80	Development of a physical and genetic map of the virulent Wolbachia strain wMelPop. *Journal of Bacteriology*, **2003**, 185, 7077-84	3.5	28
79	Wolbachia genomes: insights into an intracellular lifestyle. *Current Biology*, **2005**, 15, R507-9	6.3	27
78	Crossing type variability associated with cytoplasmic incompatibility in Australian populations of the mosquito Culex quinquefasciatus Say. *Medical and Veterinary Entomology*, **1992**, 6, 209-16	2.4	27
77	Cytoplasmic symbionts in Tribolium confusum. *Journal of Invertebrate Pathology*, **1989**, 53, 132-134	2.6	26

76	Influence of the virus LbFV and of Wolbachia in a host-parasitoid interaction. *PLoS ONE*, **2012**, 7, e35081	3.7	24
75	Molecular phylogeny of Wolbachia endosymbionts in Southeast Asian mosquitoes (Diptera: Culicidae) based on wsp gene sequences. *Journal of Medical Entomology*, **2003**, 40, 1-5	2.2	24
74	Beyond the Q back yardQ Lay knowledge about Aedes aegypti in northern Australia and its implications for policy and practice. *Acta Tropica*, **2010**, 116, 74-80	3.2	23
73	Absence of the symbiont Candidatus Midichloria mitochondrii in the mitochondria of the tick Ixodes holocyclus. *FEMS Microbiology Letters*, **2009**, 299, 241-7	2.9	23
72	Comparative susceptibility of mosquito populations in North Queensland, Australia to oral infection with dengue virus. *American Journal of Tropical Medicine and Hygiene*, **2014**, 90, 422-30	3.2	22
71	Transinfected Wolbachia have minimal effects on male reproductive success in Aedes aegypti. *Parasites and Vectors*, **2013**, 6, 36	4	22
70	The wMelPop strain of Wolbachia interferes with dopamine levels in Aedes aegypti. *Parasites and Vectors*, **2011**, 4, 28	4	22
69	Multiple Wolbachia strains provide comparative levels of protection against dengue virus infection in Aedes aegypti. *PLoS Pathogens*, **2020**, 16, e1008433	7.6	21
68	Rapid spread of male-killing Wolbachia in the butterfly Hypolimnas bolina. *Journal of Evolutionary Biology*, **2010**, 23, 231-5	2.3	21
67	Detecting wMel Wolbachia in field-collected Aedes aegypti mosquitoes using loop-mediated isothermal amplification (LAMP). *Parasites and Vectors*, **2019**, 12, 404	4	20
66	Impacts of Wolbachia infection on predator prey relationships: evaluating survival and horizontal transfer between wMelPop infected Aedes aegypti and its predators. *Journal of Medical Entomology*, **2012**, 49, 624-30	2.2	20
65	Scaled deployment of Wolbachia to protect the community from Aedes transmitted arboviruses. *Gates Open Research*,2, 36	2.4	20
64	A simple protocol to obtain highly pure Wolbachia endosymbiont DNA for genome sequencing. *Journal of Microbiological Methods*, **2011**, 84, 134-6	2.8	19
63	Wolbachia replication and host cell division in Aedes albopictus. *Current Microbiology*, **2004**, 49, 10-2	2.4	19
62	Epidemiological, Serological, and Virological Features of Dengue in Nha Trang City, Vietnam. *American Journal of Tropical Medicine and Hygiene*, **2018**, 98, 402-409	3.2	19
61	Screening of Wolbachia Endosymbiont Infection in Aedes aegypti Mosquitoes Using Attenuated Total Reflection Mid-Infrared Spectroscopy. *Analytical Chemistry*, **2017**, 89, 5285-5293	7.8	18
60	Evolutionary dynamics of insect symbiont associations. *Trends in Ecology and Evolution*, **2007**, 22, 625-7	10.9	18
59	Field validation of a transcriptional assay for the prediction of age of uncaged Aedes aegypti mosquitoes in Northern Australia. *PLoS Neglected Tropical Diseases*, **2010**, 4, e608	4.8	18

58	"Endomicrobia" and other bacteria associated with the hindgut of Dermolepida albohirtum larvae. *Applied and Environmental Microbiology*, **2008**, 74, 762-7	4.8	17
57	Assessment of gut bacteria for a paratransgenic approach to control Dermolepida albohirtum larvae. *Applied and Environmental Microbiology*, **2008**, 74, 4036-43	4.8	17
56	Wolbachia pipientis: symbiont or parasite?. *Parasitology Today*, **1995**, 11, 168-9		17
55	Evidence of a spotted fever-like rickettsia and a potential new vector from northeastern Australia. *Journal of Medical Entomology*, **2005**, 42, 918-21	2.2	16
54	SOCIAL BEHAVIOUR AND ITS RELATIONSHIP TO FIELD DISTRIBUTION IN PANESTHIA CRIBRATA SAUSSURE (BLATTODEA: BLABERIDAE). *Australian Journal of Entomology*, **1987**, 26, 313-321		16
53	Effectiveness of Wolbachia-infected mosquito deployments in reducing the incidence of dengue and other Aedes-borne diseases in Niterói, Brazil: A quasi-experimental study. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009556	4.8	16
52	A portable approach for the surveillance of dengue virus-infected mosquitoes. *Journal of Virological Methods*, **2012**, 183, 90-3	2.6	15
51	Improved accuracy of the transcriptional profiling method of age grading in Aedes aegypti mosquitoes under laboratory and semi-field cage conditions and in the presence of Wolbachia infection. *Insect Molecular Biology*, **2011**, 20, 215-24	3.4	15
50	Control of Vector-Borne Disease by Genetic Manipulation of Insect Populations: Technological Requirements and Research Priorities. *Australian Journal of Entomology*, **1997**, 36, 309-317		15
49	Analysis of Wolbachia protein synthesis in Drosophila in vivo. *Insect Molecular Biology*, **1998**, 7, 101-5	3.4	15
48	Intensity of Mutualism Breakdown Is Determined by Temperature Not Amplification of Wolbachia Genes. *PLoS Pathogens*, **2016**, 12, e1005888	7.6	15
47	Novel phenotype of Wolbachia strain wPip in Aedes aegypti challenges assumptions on mechanisms of Wolbachia-mediated dengue virus inhibition. *PLoS Pathogens*, **2020**, 16, e1008410	7.6	15
46	Wolbachia introduction into Lutzomyia longipalpis (Diptera: Psychodidae) cell lines and its effects on immune-related gene expression and interaction with Leishmania infantum. *Parasites and Vectors*, **2019**, 12, 33	4	15
45	Identification of yeast associated with the planthopper, Perkinsiella saccharicida: potential applications for Fiji leaf gall control. *Current Microbiology*, **2011**, 63, 392-401	2.4	14
44	Update to the AWED (Applying Wolbachia to Eliminate Dengue) trial study protocol: a cluster randomised controlled trial in Yogyakarta, Indonesia. *Trials*, **2020**, 21, 429	2.8	13
43	A Native Wolbachia Endosymbiont Does Not Limit Dengue Virus Infection in the Mosquito Aedes notoscriptus (Diptera: Culicidae). *Journal of Medical Entomology*, **2016**, 53, 401-8	2.2	13
42	Baseline Characterization of Dengue Epidemiology in Yogyakarta City, Indonesia, before a Randomized Controlled Trial of for Arboviral Disease Control. *American Journal of Tropical Medicine and Hygiene*, **2018**, 99, 1299-1307	3.2	13
41	A highly stable blood meal alternative for rearing Aedes and Anopheles mosquitoes. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0006142	4.8	12

40	Cluster-Randomized Test-Negative Design Trials: A Novel and Efficient Method to Assess the Efficacy of Community-Level Dengue Interventions. *American Journal of Epidemiology*, **2018**, 187, 2021-2028	3.8	12
39	A Rapid Single-Step Multiplex Method for Discriminating Between Trichogramma (Hymenoptera: Trichogrammatidae) Species in Australia. *Journal of Economic Entomology*, **2006**, 99, 2142-2145	2.2	12
38	Wolbachia mosquito control: Tested. *Science*, **2016**, 352, 526	33.3	11
37	Spatial and Temporal Variation in Aedes aegypti and Aedes albopictus (Diptera: Culicidae) Numbers in the Yogyakarta Area of Java, Indonesia, With Implications for Wolbachia Releases. *Journal of Medical Entomology*, **2016**, 53, 188-98	2.2	10
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