# Scott L O'neill

List of Publications by Year
in descending order



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|---|---|---|---|
| 202 papers | 25,242 citations | 7568 77 h-index | 8167 148 g-index |
| 207 all docs | 207 docs citations | 207 times ranked | 8432 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Wolbachia Symbiont in Aedes aegypti Limits Infection with Dengue, Chikungunya, and Plasmodium. Cell, 2009, 139, 1268-1278. | 28.9 | 1,384 |
| 2 | Successful establishment of Wolbachia in Aedes populations to suppress dengue transmission. Nature, 2011, 476, 454-457. | 27.8 | 1,261 |
| 3 | Phylogeny and PCRâ€“based classification of Wolbachia strains using wsp gene sequences. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 509-515. | 2.6 | 1,107 |
| 4 | The wMel Wolbachia strain blocks dengue and invades caged Aedes aegypti populations. Nature, 2011, 476, 450-453. | 27.8 | 1,092 |
| 5 | 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, 2699-2702. | 7.1 | 1,056 |
| 6 | <i>Wolbachia</i> and Virus Protection in Insects. Science, 2008, 322, 702-702. | 12.6 | 977 |
| 7 | Stable Introduction of a Life-Shortening <i>Wolbachia</i> Infection into the Mosquito <i>Aedes aegypti</i>. Science, 2009, 323, 141-144. | 12.6 | 790 |
| 8 | Phylogenomics of the Reproductive Parasite Wolbachia pipientis wMel: A Streamlined Genome Overrun by Mobile Genetic Elements. PLoS Biology, 2004, 2, e69. | 5.6 | 713 |
| 9 | Cloning and Characterization of a Gene Encoding the Major Surface Protein of the Bacterial Endosymbiont <i>Wolbachia pipientis</i>. Journal of Bacteriology, 1998, 180, 2373-2378. | 2.2 | 593 |
| 10 | Bidirectional incompatibility between conspecific populations of Drosophila simulans. Nature, 1990, 348, 178-180. | 27.8 | 390 |
| 11 | <i>Wolbachia</i> and the biological control of mosquitoâ€borne disease. EMBO Reports, 2011, 12, 508-518. | 4.5 | 349 |
| 12 | Wolbachia infections are distributed throughout insect somatic and germ line tissues. Insect Biochemistry and Molecular Biology, 1999, 29, 153-160. | 2.7 | 345 |
| 13 | Impact of Wolbachia on Infection with Chikungunya and Yellow Fever Viruses in the Mosquito Vector Aedes aegypti. PLoS Neglected Tropical Diseases, 2012, 6, e1892. | 3.0 | 334 |
| 14 | Interspecific and intraspecific horizontal transfer of Wolbachia in Drosophila. Science, 1993, 260, 1796-1799. | 12.6 | 333 |
| 15 | Beyond insecticides: new thinking on an ancient problem. Nature Reviews Microbiology, 2013, 11, 181-193. | 28.6 | 319 |
| 16 | Evidence for Metabolic Provisioning by a Common Invertebrate Endosymbiont, Wolbachia pipientis, during Periods of Nutritional Stress. PLoS Pathogens, 2009, 5, e1000368. | 4.7 | 306 |
| 17 | Variation in Antiviral Protection Mediated by Different Wolbachia Strains in Drosophila simulans. PLoS Pathogens, 2009, 5, e1000656. | 4.7 | 295 |
| 18 | Efficacy of Wolbachia-Infected Mosquito Deployments for the Control of Dengue. New England Journal of Medicine, 2021, 384, 2177-2186. | 27.0 | 289 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Relative Importance of Innate Immune Priming in Wolbachia-Mediated Dengue Interference. PLoS Pathogens, 2012, 8, e1002548. | 4.7 | 288 |
| 20 | Limited Dengue Virus Replication in Field-Collected Aedes aegypti Mosquitoes Infected with Wolbachia. PLoS Neglected Tropical Diseases, 2014, 8, e2688. | 3.0 | 288 |
| 21 | 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, 2918-2923. | 7.1 | 268 |
| 22 | Stability of the wMel Wolbachia Infection following Invasion into Aedes aegypti Populations. PLoS Neglected Tropical Diseases, 2014, 8, e3115. | 3.0 | 261 |
| 23 | Wolbachia superinfections and the expression of cytoplasmic incompatibility. Proceedings of the Royal Society B: Biological Sciences, 1995, 261, 325-330. | 2.6 | 237 |
| 24 | Controlling vector-borne diseases by releasing modified mosquitoes. Nature Reviews Microbiology, 2018, 16, 508-518. | 28.6 | 237 |
| 25 | Dietary Cholesterol Modulates Pathogen Blocking by Wolbachia. PLoS Pathogens, 2013, 9, e1003459. | 4.7 | 232 |
| 26 | <i>Wolbachia</i>uses host microRNAs to manipulate host gene expression and facilitate colonization of the dengue vector<i>Aedes aegypti</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9250-9255. | 7.1 | 225 |
| 27 | Scaled deployment of Wolbachia to protect the community from dengue and otherÂAedes transmitted arboviruses. Gates Open Research, 2018, 2, 36. | 1.1 | 222 |
| 28 | Evidence for a Global Wolbachia Replacement in Drosophila melanogaster. Current Biology, 2005, 15, 1428-1433. | 3.9 | 216 |
| 29 | Genome Evolution of Wolbachia Strain wPip from the Culex pipiens Group. Molecular Biology and Evolution, 2008, 25, 1877-1887. | 8.9 | 210 |
| 30 | Modeling the impact on virus transmission of <i>Wolbachia</i> -mediated blocking of dengue virus infection of <i>Aedes aegypti</i>. Science Translational Medicine, 2015, 7, 279ra37. | 12.4 | 204 |
| 31 | Local introduction and heterogeneous spatial spread of dengue-suppressing Wolbachia through an urban population of Aedes aegypti. PLoS Biology, 2017, 15, e2001894. | 5.6 | 202 |
| 32 | Antiviral Protection and the Importance of Wolbachia Density and Tissue Tropism in Drosophila simulans. Applied and Environmental Microbiology, 2012, 78, 6922-6929. | 3.1 | 191 |
| 33 | <i>Wolbachia</i> uses a host microRNA to regulate transcripts of a methyltransferase, contributing to dengue virus inhibition in <i>Aedes aegypti</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10276-10281. | 7.1 | 188 |
| 34 | 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 |
| 35 | Distribution and Diversity of<i>Wolbachia</i>Infections in Southeast Asian Mosquitoes (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.8 | 175 |
| 36 | Field evaluation of the establishment potential of wmelpop Wolbachia in Australia and Vietnam for dengue control. Parasites and Vectors, 2015, 8, 563. | 2.5 | 173 |

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|---|---|---|---|
| 37 | Replacement of the natural Wolbachia symbiont of Drosophila simulans with a mosquito counterpart. Nature, 1994, 367, 453-455. | 27.8 | 172 |
| 38 | Wolbachia-Mediated Resistance to Dengue Virus Infection and Death at the Cellular Level. PLoS ONE, 2010, 5, e13398. | 2.5 | 168 |
| 39 | In vitro cultivation of Wolbachia pipientis in an Aedes albopictus cell line. Insect Molecular Biology, 1997, 6, 33-39. | 2.0 | 165 |
| 40 | Wolbachia infections and the expression of cytoplasmic incompatibility in Drosophila sechellia and D. mauritiana.. Genetics, 1995, 140, 1307-1317. | 2.9 | 165 |
| 41 | Dynamics of the â€œPopcornâ€•Wolbachia Infection in Outbred <i>Aedes aegypti</i> Informs Prospects for Mosquito Vector Control. Genetics, 2011, 187, 583-595. | 2.9 | 162 |
| 42 | Wolbachia Infection Reduces Blood-Feeding Success in the Dengue Fever Mosquito, Aedes aegypti. PLoS Neglected Tropical Diseases, 2009, 3, e516. | 3.0 | 161 |
| 43 | Tissue distribution and prevalence of<i>Wolbachia</i>infections in tsetse flies,<i>Glossina</i>spp.. Medical and Veterinary Entomology, 2000, 14, 44-50. | 1.5 | 160 |
| 44 | 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. | 1.1 | 160 |
| 45 | Rescuing Wolbachia have been overlookedâƒ›. Nature, 1998, 391, 852-853. | 27.8 | 159 |
| 46 | Taxonomic status of the intracellular bacterium Wolbachia pipientis. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 654-657. | 1.7 | 157 |
| 47 | 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. | 1.1 | 157 |
| 48 | Modification of arthropod vector competence via symbiotic bacteria. Parasitology Today, 1993, 9, 179-183. | 3.0 | 143 |
| 49 | Phylogenetically distant symbiotic microorganisms reside in Glossina midgut and ovary tissues. Medical and Veterinary Entomology, 1993, 7, 377-383. | 1.5 | 136 |
| 50 | 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. | 3.0 | 134 |
| 51 | Competition for Amino Acids Between Wolbachia and the Mosquito Host, Aedes aegypti. Microbial Ecology, 2014, 67, 205-218. | 2.8 | 133 |
| 52 | Scaled deployment of Wolbachia to protect the community from dengue and otherÂAedes transmitted arboviruses. Gates Open Research, 2018, 2, 36. | 1.1 | 133 |
| 53 | Host Adaptation of a<i>Wolbachia</i>Strain after Long-Term Serial Passage in Mosquito Cell Lines. Applied and Environmental Microbiology, 2008, 74, 6963-6969. | 3.1 | 131 |
| 54 | Wolbachia neither induces nor suppresses transcripts encoding antimicrobial peptides. Insect Molecular Biology, 2000, 9, 635-639. | 2.0 | 130 |

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| 55 | Wolbachia Reduces the Transmission Potential of Dengue-Infected Aedes aegypti. PLoS Neglected Tropical Diseases, 2015, 9, e0003894. | 3.0 | 128 |
| 56 | Mutual exclusion of Asaia and Wolbachia in the reproductive organs of mosquito vectors. Parasites and Vectors, 2015, 8, 278. | 2.5 | 127 |
| 57 | Distribution, Expression, and Motif Variability of Ankyrin Domain Genes in Wolbachia pipientis. Journal of Bacteriology, 2005, 187, 5136-5145. | 2.2 | 126 |
| 58 | Matching the genetics of released and local Aedes aegypti populations is critical to assure Wolbachia invasion. PLoS Neglected Tropical Diseases, 2019, 13, e0007023. | 3.0 | 125 |
| 59 | "Wolbachia" Infections and Arthropod Reproduction. BioScience, 1998, 48, 287-293. | 4.9 | 124 |
| 60 | Wolbachia pipientis: Bacterial Density and Unidirectional Cytoplasmic Incompatibility between Infected Populations of Aedes albopictus. Experimental Parasitology, 1995, 81, 284-291. | 1.2 | 121 |
| 61 | Wolbachia-Associated Bacterial Protection in the Mosquito Aedes aegypti. PLoS Neglected Tropical Diseases, 2013, 7, e2362. | 3.0 | 118 |
| 62 | The potential of virulent Wolbachia to modulate disease transmission by insects. Journal of Invertebrate Pathology, 2003, 84, 24-29. | 3.2 | 115 |
| 63 | Reduced dengue incidence following deployments of Wolbachia-infected Aedes aegypti in Yogyakarta, Indonesia: a quasi-experimental trial using controlled interrupted time series analysis. Gates Open Research, 2020, 4, 50. | 1.1 | 104 |
| 64 | Novel Wolbachia-transinfected Aedes aegypti mosquitoes possess diverse fitness and vector competence phenotypes. PLoS Pathogens, 2017, 13, e1006751. | 4.7 | 103 |
| 65 | Field- and clinically derived estimates of <i>Wolbachia</i> -mediated blocking of dengue virus transmission potential in <i>Aedes aegypti</i> mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 361-366. | 7.1 | 101 |
| 66 | 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. | 1.6 | 101 |
| 67 | 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, 18060-18065. | 7.1 | 99 |
| 68 | Genetic transformation and phylogeny of bacterial symbionts from tsetse. Insect Molecular Biology, 1993, 1, 123-131. | 2.0 | 97 |
| 69 | Increased locomotor activity and metabolism of<i>Aedes aegypti</i>infected with a life-shortening strain of<i>Wolbachia pipientis</i>. Journal of Experimental Biology, 2009, 212, 1436-1441. | 1.7 | 97 |
| 70 | Wolbachia-mediated sperm modification is dependent on the host genotype inDrosophila. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2565-2570. | 2.6 | 96 |
| 71 | Male Development Time Influences the Strength of Wolbachia-Induced Cytoplasmic Incompatibility Expression in<i>Drosophila melanogaster</i>. Genetics, 2007, 177, 801-808. | 2.9 | 96 |
| 72 | An Ancient Horizontal Gene Transfer between Mosquito and the Endosymbiotic Bacterium Wolbachia pipientis. Molecular Biology and Evolution, 2009, 26, 367-374. | 8.9 | 96 |

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|---|---|---|---|
| 73 | Genomic Evolution of the Pathogenic Wolbachia Strain, wMelPop. Genome Biology and Evolution, 2013, 5, 2189-2204. | 2.5 | 96 |
| 74 | Wolbachia pipientis: intracellular infection and pathogenesis in Drosophila. Current Opinion in Microbiology, 2004, 7, 67-70. | 5.1 | 94 |
| 75 | Modifying Insect Population Age Structure to Control Vector-Borne Disease. Advances in Experimental Medicine and Biology, 2008, 627, 126-140. | 1.6 | 94 |
| 76 | Effectiveness of Wolbachia-infected mosquito deployments in reducing the incidence of dengue and other Aedes-borne diseases in NiterÃ³i, Brazil: A quasi-experimental study. PLoS Neglected Tropical Diseases, 2021, 15, e0009556. | 3.0 | 93 |
| 77 | 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, 127-166. | 1.5 | 89 |
| 78 | Human Probing Behavior of Aedes aegypti when Infected with a Life-Shortening Strain of Wolbachia. PLoS Neglected Tropical Diseases, 2009, 3, e568. | 3.0 | 86 |
| 79 | <i>Wolbachia</i> infection alters the relative abundance of resident bacteria in adult <i>Aedes aegypti</i> mosquitoes, but not larvae. Molecular Ecology, 2018, 27, 297-309. | 3.9 | 85 |
| 80 | Characterization of Wolbachia Host Cell Range via the In Vitro Establishment of Infections. Applied and Environmental Microbiology, 2002, 68, 656-660. | 3.1 | 84 |
| 81 | The Toll and Imd Pathways Are Not Required for Wolbachia-Mediated Dengue Virus Interference. Journal of Virology, 2013, 87, 11945-11949. | 3.4 | 84 |
| 82 | Determination of Wolbachia Genome Size by Pulsed-Field Gel Electrophoresis. Journal of Bacteriology, 2001, 183, 2219-2225. | 2.2 | 83 |
| 83 | <i>Wolbachia</i> 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, 18721-18726. | 7.1 | 82 |
| 84 | Distribution and Diversity of <I>Wolbachia</I> Infections in Southeast Asian Mosquitoes (Diptera: Culicidae). Journal of Medical Entomology, 2000, 37, 340-345. | 1.8 | 81 |
| 85 | wsp Gene Sequences from the Wolbachia of Filarial Nematodes. Current Microbiology, 2000, 41, 96-100. | 2.2 | 79 |
| 86 | 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 |
| 87 | A stable triple Wolbachia infection in Drosophila with nearly additive incompatibility effects. Heredity, 1999, 82, 620-627. | 2.6 | 77 |
| 88 | Prospects for control of African trypanosomiasis by tsetse vector manipulation. Trends in Parasitology, 2001, 17, 29-35. | 3.3 | 74 |
| 89 | Stable establishment of wMel Wolbachia in Aedes aegypti populations in Yogyakarta, Indonesia. PLoS Neglected Tropical Diseases, 2020, 14, e0008157. | 3.0 | 74 |
| 90 | Insect densoviruses may be widespread in mosquito cell lines. Journal of General Virology, 1995, 76, 2067-2074. | 2.9 | 73 |

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| 91 | Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866. | 9.1 | 73 |
| 92 | Wolbachia Infections of Tephritid Fruit Flies: Molecular Evidence for Five Distinct Strains in a Single Host Species. Current Microbiology, 2002, 45, 255-260. | 2.2 | 72 |
| 93 | Field prevalence of Wolbachia in the mosquito vector Aedes albopictus.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 108-111. | 1.4 | 71 |
| 94 | Francisella-like Endosymbionts of Ticks. Journal of Invertebrate Pathology, 2000, 76, 301-303. | 3.2 | 69 |
| 95 | Assessing key safety concerns of a Wolbachia-based strategy to control dengue transmission by Aedes mosquitoes. Memorias Do Instituto Oswaldo Cruz, 2010, 105, 957-964. | 1.6 | 68 |
| 96 | High Anti-Viral Protection without Immune Upregulation after Interspecies Wolbachia Transfer. PLoS ONE, 2014, 9, e99025. | 2.5 | 67 |
| 97 | Draft genome sequence of the male-killing Wolbachia strain wBol1 reveals recent horizontal gene transfers from diverse sources. BMC Genomics, 2013, 14, 20. | 2.8 | 65 |
| 98 | Maternal transmission efficiency of Wolbachia superinfections in Aedes albopictus populations in Thailand.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 103-107. | 1.4 | 65 |
| 99 | <i>Wolbachia</i>Infections of Phlebotomine Sand Flies (Diptera: Psychodidae). Journal of Medical Entomology, 2001, 38, 237-241. | 1.8 | 63 |
| 100 | Host age effect and expression of cytoplasmic incompatibility in field populations of Wolbachia-superinfected Aedes albopictus. Heredity, 2002, 88, 270-274. | 2.6 | 62 |
| 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. | 1.6 | 60 |
| 102 | A mosquito densovirus infecting Aedes aegypti and Aedes albopictus from Thailand.. American Journal of Tropical Medicine and Hygiene, 1999, 61, 612-617. | 1.4 | 60 |
| 103 | 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. | 4.7 | 58 |
| 104 | Infection with a Virulent Strain of Wolbachia Disrupts Genome Wide-Patterns of Cytosine Methylation in the Mosquito Aedes aegypti. PLoS ONE, 2013, 8, e66482. | 2.5 | 57 |
| 105 | Multiple Wolbachia strains provide comparative levels of protection against dengue virus infection in Aedes aegypti. PLoS Pathogens, 2020, 16, e1008433. | 4.7 | 57 |
| 106 | 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. | 2.5 | 57 |
| 107 | A Secure Semi-Field System for the Study of Aedes aegypti. PLoS Neglected Tropical Diseases, 2011, 5, e988. | 3.0 | 56 |
| 108 | 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. | 1.8 | 53 |

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|---|---|---|---|
| 109 | 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, 360-365. | 2.3 | 48 |
| 110 | Tandem repeat markers as novel diagnostic tools for high resolution fingerprinting of Wolbachia. BMC Microbiology, 2012, 12, S12. | 3.3 | 48 |
| 111 | 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. | 3.0 | 48 |
| 112 | wMel limits zika and chikungunya virus infection in a Singapore Wolbachia-introgressed Ae. aegypti strain, wMel-Sg. PLoS Neglected Tropical Diseases, 2017, 11, e0005496. | 3.0 | 47 |
| 113 | Why do we need alternative tools to control mosquito-borne diseases in Latin America?. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 828-829. | 1.6 | 45 |
| 114 | <i>Wolbachia</i>interferes with the intracellular distribution of Argonaute 1 in the dengue vector<i>Aedes aegypti</i>by manipulating the host microRNAs. RNA Biology, 2013, 10, 1868-1875. | 3.1 | 45 |
| 115 | <I>Wolbachia</I> Infection in the Coffee Berry Borer (Coleoptera: Scolytidae). Annals of the Entomological Society of America, 2002, 95, 374-378. | 2.5 | 44 |
| 116 | Wolbachiaâ€"host interactions: connecting phenotype to genotype. Current Opinion in Microbiology, 2007, 10, 221-224. | 5.1 | 43 |
| 117 | Functional test of the influence of<i>Wolbachia</i>genes on cytoplasmic incompatibility expression in<i>Drosophila melanogaster</i>. Insect Molecular Biology, 2011, 20, 75-85. | 2.0 | 41 |
| 118 | Variable Infection Frequency and High Diversity of Multiple Strains of <i>Wolbachia pipientis</i> in <i>Perkinsiella</i> Planthoppers. Applied and Environmental Microbiology, 2011, 77, 2165-2168. | 3.1 | 41 |
| 119 | Structural and Functional Characterization of the Oxidoreductase Î±-DsbA1 from<i>Wolbachia pipientis</i>. Antioxidants and Redox Signaling, 2009, 11, 1485-1500. | 5.4 | 39 |
| 120 | Wolbachia Genomes and the Many Faces of Symbiosis. Parasitology Today, 1999, 15, 428-429. | 3.0 | 38 |
| 121 | Predicting the age of mosquitoes using transcriptional profiles. Nature Protocols, 2007, 2, 2796-2806. | 12.0 | 38 |
| 122 | Update to the AWED (Applying Wolbachia to Eliminate Dengue) trial study protocol: a cluster randomised controlled trial in Yogyakarta, Indonesia. Trials, 2020, 21, 429. | 1.6 | 37 |
| 123 | Novel phenotype of Wolbachia strain wPip in Aedes aegypti challenges assumptions on mechanisms of Wolbachia-mediated dengue virus inhibition. PLoS Pathogens, 2020, 16, e1008410. | 4.7 | 36 |
| 124 | Evolution of Wolbachia pipientis transmission dynamics in insects. Trends in Microbiology, 1999, 7, 297-302. | 7.7 | 35 |
| 125 | Cytoplasmic symbionts in Tribolium confusum. Journal of Invertebrate Pathology, 1989, 53, 132-134. | 3.2 | 34 |
| 126 | Rapid spread of maleâ€killing <i>Wolbachia</i> in the butterfly <i>Hypolimnas bolina</i>. Journal of Evolutionary Biology, 2010, 23, 231-235. | 1.7 | 34 |

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|---|---|---|---|
| 127 | The Small Interfering RNA Pathway Is Not Essential for Wolbachia-Mediated Antiviral Protection in Drosophila melanogaster. Applied and Environmental Microbiology, 2012, 78, 6773-6776. | 3.1 | 34 |
| 128 | <i>Wolbachia</i>Infection and Expression of Cytoplasmic Incompatibility in<i>Armigeres subalbatus</i>(Diptera: Culicidae). Journal of Medical Entomology, 2000, 37, 53-57. | 1.8 | 33 |
| 129 | Crossing type variability associated with cytoplasmic incompatibility in Australian populations of the mosquito Culex quinquefasciatus Say. Medical and Veterinary Entomology, 1992, 6, 209-216. | 1.5 | 32 |
| 130 | Molecular Phylogeny of<i>Wolbachia</i>Endosymbionts in Southeast Asian Mosquitoes (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.8 | 32 |
| 131 | Development ofa Physical and Genetic Map of the Virulent Wolbachia Strain w MelPop. Journal of Bacteriology, 2003, 185, 7077-7084. | 2.2 | 30 |
| 132 | Large-Scale Deployment and Establishment of Wolbachia Into the Aedes aegypti Population in Rio de Janeiro, Brazil. Frontiers in Microbiology, 2021, 12, 711107. | 3.5 | 30 |
| 133 | The w MelPop strain of Wolbachia interferes with dopamine levels in Aedes aegypti. Parasites and Vectors, 2011, 4, 28. | 2.5 | 29 |
| 134 | Comparative Susceptibility of Mosquito Populations in North Queensland, Australia to Oral Infection with Dengue Virus. American Journal of Tropical Medicine and Hygiene, 2014, 90, 422-430. | 1.4 | 29 |
| 135 | Scaled deployment of Wolbachia to protect the community from Aedes transmitted arboviruses. Gates Open Research, 0, 2, 36. | 1.1 | 29 |
| 136 | Wolbachia Genomes: Insights into an Intracellular Lifestyle. Current Biology, 2005, 15, R507-R509. | 3.9 | 28 |
| 137 | Absence of the symbiont<i>Candidatus</i>Midichloria mitochondrii in the mitochondria of the tick<i>Ixodes holocyclus</i>. FEMS Microbiology Letters, 2009, 299, 241-247. | 1.8 | 28 |
| 138 | Transinfected Wolbachia have minimal effects on male reproductive success in Aedes aegypti. Parasites and Vectors, 2013, 6, 36. | 2.5 | 28 |
| 139 | Detecting wMel Wolbachia in field-collected Aedes aegypti mosquitoes using loop-mediated isothermal amplification (LAMP). Parasites and Vectors, 2019, 12, 404. | 2.5 | 27 |
| 140 | A simple protocol to obtain highly pure Wolbachia endosymbiont DNA for genome sequencing. Journal of Microbiological Methods, 2011, 84, 134-136. | 1.6 | 26 |
| 141 | Influence of the Virus LbFV and of Wolbachia in a Host-Parasitoid Interaction. PLoS ONE, 2012, 7, e35081. | 2.5 | 26 |
| 142 | Environmental factors influence the local establishment of Wolbachia in Aedes aegypti mosquitoes in two small communities in central Vietnam. Gates Open Research, 0, 5, 147. | 1.1 | 26 |
| 143 | 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. | 3.0 | 26 |
| 144 | Beyond the â€˜back yardâ€™: Lay knowledge about Aedes aegypti in northern Australia and its implications for policy and practice. Acta Tropica, 2010, 116, 74-80. | 2.0 | 25 |

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| 145 | Screening of <i>Wolbachia</i> Endosymbiont Infection in <i>Aedes aegypti</i> Mosquitoes Using Attenuated Total Reflection Mid-Infrared Spectroscopy. Analytical Chemistry, 2017, 89, 5285-5293. | 6.5 | 25 |
| 146 | Epidemiological, Serological, and Virological Features of Dengue in Nha Trang City, Vietnam. American Journal of Tropical Medicine and Hygiene, 2018, 98, 402-409. | 1.4 | 25 |
| 147 | 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. | 2.5 | 24 |
| 148 | Baseline Characterization of Dengue Epidemiology in Yogyakarta City, Indonesia, before a Randomized Controlled Trial of Wolbachia for Arboviral Disease Control. American Journal of Tropical Medicine and Hygiene, 2018, 99, 1299-1307. | 1.4 | 24 |
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