# Lauren J Cator

List of Publications by Year
in descending order



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|---|---|---|---|
| 33 papers | 1,357 citations | 430874 18 h-index | 414414 32 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 1376 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Harmonic Convergence in the Love Songs of the Dengue Vector Mosquito. Science, 2009, 323, 1077-1079. | 12.6 | 257 |
| 2 | Malaria in India: The Center for the Study of Complex Malaria in India. Acta Tropica, 2012, 121, 267-273. | 2.0 | 115 |
| 3 | â€˜Manipulationâ€™ without the parasite: altered feeding behaviour of mosquitoes is not dependent on infection with malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130711. | 2.6 | 97 |
| 4 | Do malaria parasites manipulate mosquitoes?. Trends in Parasitology, 2012, 28, 466-470. | 3.3 | 93 |
| 5 | The harmonic convergence of fathers predicts the mating success of sons in Aedes aegypti. Animal Behaviour, 2011, 82, 627-633. | 1.9 | 63 |
| 6 | Sizing up a mate: variation in production and response to acoustic signals in Anopheles gambiae. Behavioral Ecology, 2010, 21, 1033-1039. | 2.2 | 59 |
| 7 | Behavioral Observations and Sound Recordings of Free-Flight Mating Swarms of Ae. aegypti (Diptera:) Tj ETQq1 1 0.784314 rgBT /Ove | 1.8 | 58 |
| 8 | Characterizing microclimate in urban malaria transmission settings: a case study from Chennai, India. Malaria Journal, 2013, 12, 84. | 2.3 | 57 |
| 9 | The Role of Vector Trait Variation in Vector-Borne Disease Dynamics. Frontiers in Ecology and Evolution, 2020, 8, . | 2.2 | 57 |
| 10 | Temperature-Dependent Pre-Bloodmeal Period and Temperature-Driven Asynchrony between Parasite Development and Mosquito Biting Rate Reduce Malaria Transmission Intensity. PLoS ONE, 2013, 8, e55777. | 2.5 | 52 |
| 11 | Transmission traits of malaria parasites within the mosquito: Genetic variation, phenotypic plasticity, and consequences for control. Evolutionary Applications, 2018, 11, 456-469. | 3.1 | 52 |
| 12 | Female resistance and harmonic convergence influence male mating success in Aedes aegypti. Scientific Reports, 2019, 9, 2145. | 3.3 | 52 |
| 13 | Alterations in mosquito behaviour by malaria parasites: potential impact on force of infection. Malaria Journal, 2014, 13, 164. | 2.3 | 50 |
| 14 | Immune response and insulin signalling alter mosquito feeding behaviour to enhance malaria transmission potential. Scientific Reports, 2015, 5, 11947. | 3.3 | 35 |
| 15 | Size, sounds and sex: interactions between body size and harmonic convergence signals determine mating success in Aedes aegypti. Parasites and Vectors, 2016, 9, 622. | 2.5 | 30 |
| 16 | Immunity, host physiology, and behaviour in infected vectors. Current Opinion in Insect Science, 2017, 20, 28-33. | 4.4 | 23 |
| 17 | Mosquito Sexual Selection and Reproductive Control Programs. Trends in Parasitology, 2021, 37, 330-339. | 3.3 | 23 |
| 18 | Buzzkill: targeting the mosquito auditory system. Current Opinion in Insect Science, 2020, 40, 11-17. | 4.4 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fitness consequences of altered feeding behavior in immune-challenged mosquitoes. Parasites and Vectors, 2016, 9, 113. | 2.5 | 20 |
| 20 | MIReAD, a minimum information standard for reporting arthropod abundance data. Scientific Data, 2019, 6, 40. | 5.3 | 20 |
| 21 | Too â€œsexyâ€•for the field? Paired measures of laboratory and semi-field performance highlight variability in the apparent mating fitness of Aedes aegypti transgenic strains. Parasites and Vectors, 2019, 12, 357. | 2.5 | 19 |
| 22 | Male competition and the evolution of mating and life-history traits in experimental populations of Aedes aegypti. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190591. | 2.6 | 13 |
| 23 | El NiÃ±o drought and tropical forest conversion synergistically determine mosquito development rate. Environmental Research Letters, 2019, 14, 035003. | 5.2 | 13 |
| 24 | The effect of resource limitation on the temperature dependence of mosquito population fitness. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203217. | 2.6 | 13 |
| 25 | Competition and resource depletion shape the thermal response of population fitness in Aedes aegypti. Communications Biology, 2022, 5, 66. | 4.4 | 12 |
| 26 | The Effect of Larval Diet on Adult Survival, Swarming Activity and Copulation Success in Male Aedes aegypti (Diptera: Culicidae). Journal of Medical Entomology, 2018, 55, 29-35. | 1.8 | 11 |
| 27 | Size, not temperature, drives cyclopoid copepod predation of invasive mosquito larvae. PLoS ONE, 2021, 16, e0246178. | 2.5 | 9 |
| 28 | Sex, age, and parental harmonic convergence behavior affect the immune performance of Aedes aegypti offspring. Communications Biology, 2021, 4, 723. | 4.4 | 7 |
| 29 | Malaria Altering Host Attractiveness and Mosquito Feeding. Trends in Parasitology, 2017, 33, 338-339. | 3.3 | 6 |
| 30 | Sexual selection theory meets disease vector control: Testing harmonic convergence as a â€œgood genesâ€•signal in Aedes aegypti mosquitoes. PLoS Neglected Tropical Diseases, 2021, 15, e0009540. | 3.0 | 6 |
| 31 | Oil palm expansion increases the vectorial capacity of dengue vectors in Malaysian Borneo. PLoS Neglected Tropical Diseases, 2022, 16, e0009525. | 3.0 | 6 |
| 32 | Editorial: Host Attractiveness and Malaria Transmission to Mosquitoes. Journal of Infectious Diseases, 2017, 216, 289-290. | 4.0 | 2 |
| 33 | No Impact of Biocontrol Agentâ€™s Predation Cues on Development Time or Size of Surviving Aedes albopictus under Optimal Nutritional Availability. Insects, 2022, 13, 155. | 2.2 | 0 |