

# Craig R. Williams

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100  
papers

2,749  
citations

28  
h-index

49  
g-index

105  
ext. papers

3,115  
ext. citations

3.1  
avg, IF

4.95  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 100 | Citizen Science Mosquito Surveillance by Ad Hoc Observation Using the iNaturalist Platform. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19, 6337   | 4.6  | 0         |
| 99  | Past and future epidemic potential of chikungunya virus in Australia. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009963  | 4.8  | 0         |
| 98  | Salinity Tolerance and Brackish Habitat Utilization in the Common Australian Frog <i>Crinia signifera</i> . <i>Journal of Herpetology</i> , <b>2020</b> , 54, 161   | 1.1  | 2         |
| 97  | Citizen science and smartphone e-entomology enables low-cost upscaling of mosquito surveillance. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135349  | 10.2 | 22        |
| 96  | Estimation of mosquito-borne and sexual transmission of Zika virus in Australia: Risks to blood transfusion safety. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008438  | 4.8  | 4         |
| 95  | Development of a mechanistic dengue simulation model for Guangzhou. <i>Epidemiology and Infection</i> , <b>2019</b> , 147, e125   | 4.3  | 0         |
| 94  | Urban-associated diseases: Candidate diseases, environmental risk factors, and a path forward. <i>Environment International</i> , <b>2019</b> , 133, 105187   | 12.9 | 46        |
| 93  | Indiscriminate feeding by an alien population of the spotted-thighed frog ( <i>Litoria cyclorhyncha</i> ) in southern Australia and potential impacts on native biodiversity. <i>Australian Journal of Zoology</i> , <b>2019</b> , 67, 59 | 0.5  |           |
| 92  | Dengue control in the context of climate change: Views from health professionals in different geographic regions of China. <i>Journal of Infection and Public Health</i> , <b>2019</b> , 12, 388-394                                      | 7.4  | 1         |
| 91  | Epidemic potential of Zika virus in Australia: implications for blood transfusion safety. <i>Transfusion</i> , <b>2019</b> , 59, 648-658  | 2.9  | 5         |
| 90  | Association between malaria incidence and meteorological factors: a multi-location study in China, 2005-2012. <i>Epidemiology and Infection</i> , <b>2018</b> , 146, 89-99  | 4.3  | 15        |
| 89  | Evolution of morphology and locomotor performance in anurans: relationships with microhabitat diversification. <i>Journal of Evolutionary Biology</i> , <b>2018</b> , 31, 371-381   | 2.3  | 20        |
| 88  | Ross River Virus and the Necessity of Multiscale, Eco-epidemiological Analyses. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 807-815  | 7    | 10        |
| 87  | Impact of meteorological factors on hemorrhagic fever with renal syndrome in 19 cities in China, 2005-2014. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 1249-1256  | 10.2 | 21        |
| 86  | Mosquito traps for urban surveillance: collection efficacy and potential for use by citizen scientists. <i>Journal of Vector Ecology</i> , <b>2018</b> , 43, 98-103   | 1.5  | 13        |
| 85  | Experts' Perceptions on China's Capacity to Manage Emerging and Re-emerging Zoonotic Diseases in an Era of Climate Change. <i>Zoonoses and Public Health</i> , <b>2017</b> , 64, 527-536  | 2.9  | 5         |
| 84  | Some cautions in the use of citizen science: a case study of urban insect collection. <i>Transactions of the Royal Society of South Australia</i> , <b>2017</b> , 141, 57-69  | 0.2  | 6         |

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| 83 | Perceptions of malaria control and prevention in an era of climate change: a cross-sectional survey among CDC staff in China. <i>Malaria Journal</i> , <b>2017</b> , 16, 136   | 3.6  | 5  |
| 82 | Health professionals' perceptions of hemorrhagic fever with renal syndrome and climate change in China. <i>Global and Planetary Change</i> , <b>2017</b> , 152, 12-18  | 4.2  | 5  |
| 81 | Association between dengue fever incidence and meteorological factors in Guangzhou, China, 2005-2014. <i>Environmental Research</i> , <b>2017</b> , 153, 17-26   | 7.9  | 68 |
| 80 | Advances in the study of River Murray ecology and the legacy of Keith Forbes Walker (1946-2016). <i>Transactions of the Royal Society of South Australia</i> , <b>2017</b> , 141, 87-91  | 0.2  |    |
| 79 | Microhabitats and canopy cover moderate high summer temperatures in a fragmented Mediterranean landscape. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183106   | 3.7  | 18 |
| 78 | Desiccation survival time for eggs of a widespread and invasive Australian mosquito species, <i>Aedes (Finlaya) notoscriptus</i> (Skuse). <i>Journal of Vector Ecology</i> , <b>2016</b> , 41, 55-62   | 1.5  | 10 |
| 77 | Projections of increased and decreased dengue incidence under climate change. <i>Epidemiology and Infection</i> , <b>2016</b> , 144, 3091-3100   | 4.3  | 19 |
| 76 | Improving public health intervention for mosquito-borne disease: the value of geovisualization using source of infection and LandScan data. <i>Epidemiology and Infection</i> , <b>2016</b> , 144, 3108-3119   | 4.3  | 6  |
| 75 | Differentiation of <i>Aedes aegypti</i> and <i>Aedes notoscriptus</i> (Diptera: Culicidae) eggs using scanning electron microscopy. <i>Arthropod Structure and Development</i> , <b>2016</b> , 45, 273-80  | 1.8  | 6  |
| 74 | Public Health Responses to and Challenges for the Control of Dengue Transmission in High-Income Countries: Four Case Studies. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004943   | 4.8  | 22 |
| 73 | Perceptions of capacity for infectious disease control and prevention to meet the challenges of dengue fever in the face of climate change: A survey among CDC staff in Guangdong Province, China. <i>Environmental Research</i> , <b>2016</b> , 148, 295-302                  | 7.9  | 24 |
| 72 | Regional Comparison of Mosquito Bloodmeals in South Australia: Implications for Ross River Virus Ecology. <i>Journal of Medical Entomology</i> , <b>2016</b> , 53, 902-910   | 2.2  | 13 |
| 71 | Transmission of haemorrhagic fever with renal syndrome in china and the role of climate factors: a review. <i>International Journal of Infectious Diseases</i> , <b>2015</b> , 33, 212-8   | 10.5 | 35 |
| 70 | Effects of Cohabitation on the Population Performance and Survivorship of the Invasive Mosquito <i>Aedes albopictus</i> and the Resident Mosquito <i>Aedes notoscriptus</i> (Diptera: Culicidae) in Australia. <i>Journal of Medical Entomology</i> , <b>2015</b> , 52, 375-85 | 2.2  | 7  |
| 69 | Converting Mosquito Surveillance to Arbovirus Surveillance with Honey-Baited Nucleic Acid Preservation Cards. <i>Vector-Borne and Zoonotic Diseases</i> , <b>2015</b> , 15, 397-403  | 2.4  | 35 |
| 68 | Field Worker Evaluation of Dengue Vector Surveillance Methods: Factors That Determine Perceived Ease, Difficulty, Value, and Time Effectiveness in Australia and Malaysia. <i>Asia-Pacific Journal of Public Health</i> , <b>2015</b> , 27, 705-14                             | 2    | 8  |
| 67 | Intraspecific variation in desiccation survival time of <i>Aedes aegypti</i> (L.) mosquito eggs of Australian origin. <i>Journal of Vector Ecology</i> , <b>2015</b> , 40, 292-300   | 1.5  | 33 |
| 66 | Infectious Diseases, Urbanization and Climate Change: Challenges in Future China. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 11025-36  | 4.6  | 36 |

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| 65 | The Usual Suspects: Comparison of the Relative Roles of Potential Urban Chikungunya Virus Vectors in Australia. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134975   | 3.7 | 17 |
| 64 | Testing the impact of virus importation rates and future climate change on dengue activity in Malaysia using a mechanistic entomology and disease model. <i>Epidemiology and Infection</i> , <b>2015</b> , 143, 2856-64                            | 4.3 | 10 |
| 63 | The climate change SA symposium 2013: a synthesis. <i>Transactions of the Royal Society of South Australia</i> , <b>2015</b> , 139, 3-8  | 0.2 | 0  |
| 62 | Vector-borne disease in South Australia's future climate. <i>Transactions of the Royal Society of South Australia</i> , <b>2015</b> , 139, 121-129   | 0.2 | 2  |
| 61 | Functional and physiological resistance of crayfish to amphibian toxins: tetrodotoxin resistance in the white river crayfish ( <i>Procambarus acutus</i> ). <i>Canadian Journal of Zoology</i> , <b>2014</b> , 92, 939-945                         | 1.5 | 4  |
| 60 | Using Wolbachia-based release for suppression of Aedes mosquitoes: insights from genetic data and population simulations <b>2014</b> , 24, 1226-34   |     | 34 |
| 59 | Predation of two common native frog species ( <i>Litoria ewingi</i> and <i>Crinia signifera</i> ) by freshwater invertebrates. <i>Australian Journal of Zoology</i> , <b>2014</b> , 62, 483  | 0.5 | 6  |
| 58 | Determining the spatial autocorrelation of dengue vector populations: influences of mosquito sampling method, covariables, and vector control. <i>Journal of Vector Ecology</i> , <b>2014</b> , 39, 153-63   | 1.5 | 22 |
| 57 | Mosquito communities with trap height and urban-rural gradient in Adelaide, South Australia: implications for disease vector surveillance. <i>Journal of Vector Ecology</i> , <b>2014</b> , 39, 48-55  | 1.5 | 17 |
| 56 | Epidemiology of dengue in a high-income country: a case study in Queensland, Australia. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 379  | 4   | 30 |
| 55 | Bionomic response of Aedes aegypti to two future climate change scenarios in far north Queensland, Australia: implications for dengue outbreaks. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 447   | 4   | 19 |
| 54 | A critical review of freshwater crayfish as amphibian predators: capable consumers of toxic prey?. <i>Toxicon</i> , <b>2014</b> , 82, 9-17   | 2.8 | 7  |
| 53 | Productivity and population density estimates of the dengue vector mosquito Aedes aegypti ( <i>Stegomyia aegypti</i> ) in Australia. <i>Medical and Veterinary Entomology</i> , <b>2013</b> , 27, 313-22   | 2.4 | 26 |
| 52 | Weather-driven variation in dengue activity in Australia examined using a process-based modeling approach. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2013</b> , 88, 65-72  | 3.2 | 21 |
| 51 | Inter-population mating success in Australian dengue vector mosquitoes: effects of laboratory colonization and implications for the spread of transgenics. <i>Journal of Vector Ecology</i> , <b>2013</b> , 38, 111-9                              | 1.5 | 4  |
| 50 | Newts are Toxic, but They were Pressured into it: Butch Brodie's Studies of Co-Evolutionary Arms Races. <i>Transactions of the Royal Society of South Australia</i> , <b>2013</b> , 137, 96-100  | 0.2 | 1  |
| 49 | Submission on the Draft Murray-Darling Basin Plan. <i>Transactions of the Royal Society of South Australia</i> , <b>2013</b> , 137, 135-137  | 0.2 | 1  |
| 48 | Adult mosquito trap sensitivity for detecting exotic mosquito incursions and eradication: a study using EVS traps and the Australian southern saltmarsh mosquito, Aedes camptorhynchus. <i>Journal of Vector Ecology</i> , <b>2012</b> , 37, 110-6 | 1.5 | 5  |

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| 47 | Mating, ovariole number and sperm production of the dengue vector mosquito <i>Aedes aegypti</i> (L.) in Australia: broad thermal optima provide the capacity for survival in a changing climate. <i>Physiological Entomology</i> , <b>2012</b> , 37, 136-144   | 1.9 | 17  |
| 46 | Larval development rate of the mosquitoes <i>Culex quinquefasciatus</i> and <i>Aedes aegypti</i> (Diptera: Culicidae) varies between clutches: implications for population ecology. <i>Australian Journal of Entomology</i> , <b>2012</b> , 51, 22-27          |     | 5   |
| 45 | Flowering timing prediction in Australian native understorey species (Acrotriche R.Br Ericaceae) using meteorological data. <i>International Journal of Biometeorology</i> , <b>2012</b> , 56, 95-105  | 3.7 | 2   |
| 44 | The Asian Tiger Mosquito ( <i>Aedes Albopictus</i> ) Invasion into Australia: A Review of Likely Geographic Range and Changes to Vector-Borne Disease Risk. <i>Transactions of the Royal Society of South Australia</i> , <b>2012</b> , 136, 128-136           | 0.2 | 9   |
| 43 | Climate change and infectious diseases in Australia: future prospects, adaptation options, and research priorities. <i>Asia-Pacific Journal of Public Health</i> , <b>2011</b> , 23, 54S-66  | 2   | 22  |
| 42 | Floral visitation in the Australian native shrub genus <i>Acrotriche</i> R.Br (Ericaceae): an abundance of ants (Formicidae). <i>Australian Journal of Entomology</i> , <b>2011</b> , 50, 130-138  |     | 7   |
| 41 | Growth and development performance of the ubiquitous urban mosquito <i>Aedes notoscriptus</i> (Diptera: Culicidae) in Australia varies with water type and temperature. <i>Australian Journal of Entomology</i> , <b>2011</b> , 50, 195-199                    |     | 9   |
| 40 | Eggs of the Australian saltmarsh mosquito, <i>Aedes camptorhynchus</i> , survive for long periods and hatch in instalments: implications for biosecurity in New Zealand. <i>Medical and Veterinary Entomology</i> , <b>2011</b> , 25, 70-6                     | 2.4 | 9   |
| 39 | Dengue vector surveillance programs: a review of methodological diversity in some endemic and epidemic countries. <i>Asia-Pacific Journal of Public Health</i> , <b>2011</b> , 23, 827-42  | 2   | 20  |
| 38 | The development of predictive tools for pre-emptive dengue vector control: a study of <i>Aedes aegypti</i> abundance and meteorological variables in North Queensland, Australia. <i>Tropical Medicine and International Health</i> , <b>2010</b> , 15, 1190-7 | 2.3 | 57  |
| 37 | The extinction of dengue through natural vulnerability of its vectors. <i>PLoS Neglected Tropical Diseases</i> , <b>2010</b> , 4, e922   | 4.8 | 30  |
| 36 | Increased locomotor activity and metabolism of <i>Aedes aegypti</i> infected with a life-shortening strain of <i>Wolbachia pipientis</i> . <i>Journal of Experimental Biology</i> , <b>2009</b> , 212, 1436-41   | 3   | 76  |
| 35 | Modelling the ecology of the coastal mosquitoes <i>Aedes vigilax</i> and <i>Aedes camptorhynchus</i> at Port Pirie, South Australia. <i>Medical and Veterinary Entomology</i> , <b>2009</b> , 23, 85-91  | 2.4 | 20  |
| 34 | A lethal ovitrap-based mass trapping scheme for dengue control in Australia: I. Public acceptability and performance of lethal ovitraps. <i>Medical and Veterinary Entomology</i> , <b>2009</b> , 23, 295-302  | 2.4 | 37  |
| 33 | A lethal ovitrap-based mass trapping scheme for dengue control in Australia: II. Impact on populations of the mosquito <i>Aedes aegypti</i> . <i>Medical and Veterinary Entomology</i> , <b>2009</b> , 23, 303-16  | 2.4 | 54  |
| 32 | Integrating biophysical models and evolutionary theory to predict climatic impacts on species' ranges: the dengue mosquito <i>Aedes aegypti</i> in Australia. <i>Functional Ecology</i> , <b>2009</b> , 23, 528-538  | 5.6 | 302 |
| 31 | Diversity and seasonal succession of coastal mosquitoes (Diptera: Culicidae) in the northern Adelaide region of South Australia. <i>Australian Journal of Entomology</i> , <b>2009</b> , 48, 107-112   |     | 18  |
| 30 | Environmental and entomological factors determining Ross River virus activity in the River Murray Valley of South Australia. <i>Australian and New Zealand Journal of Public Health</i> , <b>2009</b> , 33, 284-8  | 2.3 | 25  |

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| 29 | Mosquitoes (Diptera: Culicidae) Of the Spencer Gulf Coast of South Australia. <i>Transactions of the Royal Society of South Australia</i> , <b>2009</b> , 133, 51-56   | 0.2  | 4   |
| 28 | A biodegradable lethal ovitrap for control of container-breeding Aedes. <i>Journal of the American Mosquito Control Association</i> , <b>2008</b> , 24, 47-53  | 0.9  | 23  |
| 27 | Rapid estimation of Aedes aegypti population size using simulation modeling, with a novel approach to calibration and field validation. <i>Journal of Medical Entomology</i> , <b>2008</b> , 45, 1173-9  | 2.2  | 28  |
| 26 | Rapid Estimation of Aedes aegypti Population Size Using Simulation Modeling, with a Novel Approach to Calibration and Field Validation. <i>Journal of Medical Entomology</i> , <b>2008</b> , 45, 1173-1179   | 2.2  | 34  |
| 25 | Population-attributable risk estimates for risk factors associated with Campylobacter infection, australia. <i>Emerging Infectious Diseases</i> , <b>2008</b> , 14, 895-901  | 10.2 | 77  |
| 24 | The Allee effect in site choice behaviour of egg-laying dengue vector mosquitoes. <i>Tropical Biomedicine</i> , <b>2008</b> , 25, 140-4  | 0.5  | 10  |
| 23 | Impact of a bifenthrin-treated lethal ovitrap on Aedes aegypti oviposition and mortality in north Queensland, Australia. <i>Journal of Medical Entomology</i> , <b>2007</b> , 44, 256-62   | 2.2  | 29  |
| 22 | Aedes aegypti population sampling using BG-Sentinel traps in north Queensland Australia: statistical considerations for trap deployment and sampling strategy. <i>Journal of Medical Entomology</i> , <b>2007</b> , 44, 345-50                                   | 2.2  | 48  |
| 21 | Predicting the age of mosquitoes using transcriptional profiles. <i>Nature Protocols</i> , <b>2007</b> , 2, 2796-806   | 18.8 | 31  |
| 20 | Field evaluation of New Mountain Sandalwood Mosquito Sticks and New Mountain Sandalwood Botanical Repellent against mosquitoes in North Queensland, Australia. <i>Journal of the American Mosquito Control Association</i> , <b>2006</b> , 22, 158-60            | 0.9  | 13  |
| 19 | Laboratory and field assessment of some kairomone blends for host-seeking Aedes aegypti. <i>Journal of the American Mosquito Control Association</i> , <b>2006</b> , 22, 641-7   | 0.9  | 34  |
| 18 | Optimizing ovitrap use for Aedes aegypti in Cairns, Queensland, Australia: effects of some abiotic factors on field efficacy. <i>Journal of the American Mosquito Control Association</i> , <b>2006</b> , 22, 635-40   | 0.9  | 26  |
| 17 | Discovery of a widespread infestation of Aedes albopictus in the Torres Strait, Australia. <i>Journal of the American Mosquito Control Association</i> , <b>2006</b> , 22, 358-65  | 0.9  | 87  |
| 16 | Frequency of infectious gastrointestinal illness in Australia, 2002: regional, seasonal and demographic variation. <i>Epidemiology and Infection</i> , <b>2006</b> , 134, 111-8  | 4.3  | 82  |
| 15 | The use of transcriptional profiles to predict adult mosquito age under field conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 18060-5  | 11.5 | 80  |
| 14 | Field efficacy of the BG-Sentinel compared with CDC Backpack Aspirators and CO2-baited EVS traps for collection of adult Aedes aegypti in Cairns, Queensland, Australia. <i>Journal of the American Mosquito Control Association</i> , <b>2006</b> , 22, 296-300 | 0.9  | 124 |
| 13 | Mosquito repellents in frog skin. <i>Biology Letters</i> , <b>2006</b> , 2, 242-5  | 3.6  | 19  |
| 12 | Geographic variation in attraction to human odor compounds by Aedes aegypti mosquitoes (Diptera: Culicidae): a laboratory study. <i>Journal of Chemical Ecology</i> , <b>2006</b> , 32, 1625-34  | 2.7  | 14  |

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| 11 | Daily patterns of locomotor and sugar-feeding activity of the mosquito <i>Culex annulirostris</i> from geographically isolated populations. <i>Physiological Entomology</i> , <b>2005</b> , 30, 309-316  | 1.9 | 10  |
| 10 | Timing of host-seeking behaviour of the mosquitoes <i>Anopheles annulipes</i> sensu lato Walker and <i>Coquillettidia linealis</i> (Skuse) (Diptera: Culicidae) in the Murray River Valley, South Australia. <i>Australian Journal of Entomology</i> , <b>2005</b> , 44, 110-112                                     |     | 2   |
| 9  | Potential distribution of the Asian disease vector <i>Culex gelidus</i> Theobald (Diptera: Culicidae) in Australia and New Zealand: a prediction based on climate suitability. <i>Australian Journal of Entomology</i> , <b>2005</b> , 44, 425-430   |     | 11  |
| 8  | Mark-release-recapture study to measure dispersal of the mosquito <i>Aedes aegypti</i> in Cairns, Queensland, Australia. <i>Medical and Veterinary Entomology</i> , <b>2005</b> , 19, 451-7  | 2.4 | 129 |
| 7  | Effect of season and temperature on mortality in amphibians due to chytridiomycosis. <i>Australian Veterinary Journal</i> , <b>2004</b> , 82, 434-9  | 1.2 | 250 |
| 6  | Intraspecific variation in odor-mediated host preference of the mosquito <i>Culex annulirostris</i> . <i>Journal of Chemical Ecology</i> , <b>2003</b> , 29, 1889-903  | 2.7 | 24  |
| 5  | Parasitism of mosquitoes (Diptera: Culicidae) by larval mites (Acari: Parasitengona) in Adelaide, South Australia. <i>Australian Journal of Entomology</i> , <b>2002</b> , 41, 161-163   |     | 12  |
| 4  | Development and evaluation of a species diagnostic polymerase chain reaction-restriction fragment-length polymorphism procedure for cryptic members of the <i>Culex sitiens</i> (Diptera: Culicidae) subgroup in Australia and the southwest Pacific. <i>Journal of Medical Entomology</i> , <b>2002</b> , 39, 362-9 | 2.2 | 19  |
| 3  | Antipredator Mechanisms of Australian Frogs. <i>Journal of Herpetology</i> , <b>2000</b> , 34, 431   | 1.1 | 47  |
| 2  | Spatial heterogeneity in oviposition preference of the mosquito <i>Aedes notoscriptus</i> (Skuse) (Diptera: Culicidae) in Adelaide, South Australia. <i>Australian Journal of Entomology</i> , <b>1999</b> , 38, 354-358   |     | 8   |
| 1  | Evolution of Aposematic Behavior and Coloration in the Australian Frog Genus <i>Uperoleia</i> . <i>Journal of Herpetology</i> , <b>1998</b> , 32, 136  | 1.1 | 7   |