Andrew F Van Den Hurk

List of Publications by Year
in descending order

106 papers	6,132 citations	101543 36 h-index	79698 73 g-index
110 all docs	110 docs citations	110 times ranked	4824 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	Ecology and Geographical Expansion of Japanese Encephalitis Virus. Annual Review of Entomology, 2009, 54, 17-35.	11.8	378
3	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
4	Limited Dengue Virus Replication in Field-Collected Aedes aegypti Mosquitoes Infected with Wolbachia. PLoS Neglected Tropical Diseases, 2014, 8, e2688.	3.0	288
5	Japanese encephalitis in north Queensland, Australia, 1998. Medical Journal of Australia, 1999, 170, 533-536.	1.7	231
6	Exploiting mosquito sugar feeding to detect mosquito-borne pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11255-11259.	7.1	130
7	Wolbachia Reduces the Transmission Potential of Dengue-Infected Aedes aegypti. PLoS Neglected Tropical Diseases, 2015, 9, e0003894.	3.0	128
8	Isolation of Japanese Encephalitis Virus from Culex annulirostris in Australia. American Journal of Tropical Medicine and Hygiene, 1997, 56, 80-84.	1.4	114
9	The insect-specific Palm Creek virus modulates West Nile virus infection in and transmission by Australian mosquitoes. Parasites and Vectors, 2016, 9, 414.	2.5	112
10	Discovery of a Widespread Infestation of Aedes albopictus in the Torres Strait, Australia. Journal of the American Mosquito Control Association, 2006, 22, 358-365.	0.7	104
11	An Explosive Epidemic of DENV-3 in Cairns, Australia. PLoS ONE, 2013, 8, e68137.	2.5	84
12	Tracing the Tiger: Population Genetics Provides Valuable Insights into the Aedes (Stegomyia) albopictus Invasion of the Australasian Region. PLoS Neglected Tropical Diseases, 2013, 7, e2361.	3.0	81
13	Field Validation of the Gravid<i>Aedes</i>Trap (GAT) for Collection of<i>Aedes aegypti</i>(Diptera:) Tj ETQq1 1 0.784314 rg BT /Over	1.8	78
14	Detection of Australasian Flavivirus encephalitic viruses using rapid fluorogenic TaqMan RT-PCR assays. Journal of Virological Methods, 2004, 117, 161-167.	2.1	73
15	Blood Sources of Mosquitoes Collected from Urban and Peri-Urban Environments in Eastern Australia with Species-Specific Molecular Analysis of Avian Blood Meals. American Journal of Tropical Medicine and Hygiene, 2009, 81, 849-857.	1.4	73
16	Vector Competence of Australian Mosquitoes for Chikungunya Virus. Vector-Borne and Zoonotic Diseases, 2010, 10, 489-495.	1.5	71
17	Mission Accomplished? We Need a Guide to the â€˜Post Releaseâ€™ World of Wolbachia for Aedes-borne Disease Control. Trends in Parasitology, 2018, 34, 217-226.	3.3	69
18	Assessment of Local Mosquito Species Incriminates Aedes aegypti as the Potential Vector of Zika Virus in Australia. PLoS Neglected Tropical Diseases, 2016, 10, e0004959.	3.0	66

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19	A New Clade of Insect-Specific Flaviviruses from Australian <i>Anopheles</i> Mosquitoes Displays Species-Specific Host Restriction. MSphere, 2017, 2, .	2.9	64
20	THE FIRST ISOLATION OF JAPANESE ENCEPHALITIS VIRUS FROM MOSQUITOES COLLECTED FROM MAINLAND AUSTRALIA. American Journal of Tropical Medicine and Hygiene, 2006, 75, 21-25.	1.4	64
21	A Simple Non-Powered Passive Trap for the Collection of Mosquitoes for Arbovirus Surveillance. Journal of Medical Entomology, 2013, 50, 185-194.	1.8	63
22	Tiger on the prowl: Invasion history and spatio-temporal genetic structure of the Asian tiger mosquito Aedes albopictus (Skuse 1894) in the Indo-Pacific. PLoS Neglected Tropical Diseases, 2017, 11, e0005546.	3.0	63
23	A curious coincidence: mosquito biodiversity and the limits of the Japanese encephalitis virus in Australasia. BMC Evolutionary Biology, 2007, 7, 100.	3.2	59
24	Searching for the proverbial needle in a haystack: advances in mosquito-borne arbovirus surveillance. Parasites and Vectors, 2018, 11, 320.	2.5	58
25	Domestic Pigs and Japanese Encephalitis Virus Infection, Australia. Emerging Infectious Diseases, 2008, 14, 1736-1738.	4.3	57
26	Applications of a Sugar-Based Surveillance System to Track Arboviruses in Wild Mosquito Populations. Vector-Borne and Zoonotic Diseases, 2014, 14, 66-73.	1.5	57
27	An epidemic of dengue 3 in far north Queensland, 1997â€“1999. Medical Journal of Australia, 2001, 174, 178-182.	1.7	54
28	Transmission of Japanese Encephalitis Virus from the Black Flying Fox, Pteropus alecto, to Culex annulirostris Mosquitoes, Despite the Absence of Detectable Viremia. American Journal of Tropical Medicine and Hygiene, 2009, 81, 457-462.	1.4	53
29	A novel insect-specific flavivirus replicates only in Aedes-derived cells and persists at high prevalence in wild Aedes vigilax populations in Sydney, Australia. Virology, 2015, 486, 272-283.	2.4	51
30	Vector Competence of Australian Mosquito Species for a North American Strain of West Nile Virus. Vector-Borne and Zoonotic Diseases, 2008, 8, 805-812.	1.5	49
31	Highly divergent dengue virus type 1 genotype sets a new distance record. Scientific Reports, 2016, 6, 22356.	3.3	49
32	Holding back the tiger: Successful control program protects Australia from Aedes albopictus expansion. PLoS Neglected Tropical Diseases, 2017, 11, e0005286.	3.0	45
33	Evolution of Mosquito-Based Arbovirus Surveillance Systems in Australia. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8.	3.0	44
34	Ten years of the Tiger: Aedes albopictus presence in Australia since its discovery in the Torres Strait in 2005. One Health, 2016, 2, 19-24.	3.4	43
35	Rapid Identification of Aedes albopictus, Aedes scutellaris, and Aedes aegypti Life Stages Using Real-time Polymerase Chain Reaction Assays. American Journal of Tropical Medicine and Hygiene, 2008, 79, 866-875.	1.4	42
36	Operational Trials of Remote Mosquito Trap Systems for Japanese Encephalitis Virus Surveillance in the Torres Strait, Australia. Vector-Borne and Zoonotic Diseases, 2007, 7, 497-506.	1.5	39

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37	Zika virus and Culex quinquefasciatus mosquitoes: a tenuous link. Lancet Infectious Diseases, The, 2017, 17, 1014-1016.	9.1	38
38	Detection and stability of Japanese encephalitis virus RNA and virus viability in dead infected mosquitoes under different storage conditions.. American Journal of Tropical Medicine and Hygiene, 2002, 67, 656-661.	1.4	38
39	INFECTION AND DISSEMINATION OF DENGUE VIRUS TYPE 2 IN AEDES AEGYPTI, AEDES ALBOPICTUS, AND AEDES SCUTELLARIS FROM THE TORRES STRAIT, AUSTRALIA. Journal of the American Mosquito Control Association, 2007, 23, 383-388.	0.7	36
40	Arboviruses Isolated from Mosquitoes Collected from Urban and Peri-urban Areas of Eastern Australia. Journal of the American Mosquito Control Association, 2009, 25, 272-278.	0.7	34
41	Japanese Encephalitis Virus in Australia: From Known Known to Known Unknown. Tropical Medicine and Infectious Disease, 2019, 4, 38.	2.3	34
42	Replication Kinetics of B.1.351 and B.1.1.7 SARS-CoV-2 Variants of Concern Including Assessment of a B.1.1.7 Mutant Carrying a Defective ORF7a Gene. Viruses, 2021, 13, 1087.	3.3	34
43	Programmed Ribosomal Frameshift Alters Expression of West Nile Virus Genes and Facilitates Virus Replication in Birds and Mosquitoes. PLoS Pathogens, 2014, 10, e1004447.	4.7	33
44	A Polymerase Chain Reaction-Based Diagnostic to Identify Larvae and Eggs of Container Mosquito Species from the Australian Region. Journal of Medical Entomology, 2007, 44, 376-380.	1.8	32
45	Development and field evaluation of the sentinel mosquito arbovirus capture kit (SMACK). Parasites and Vectors, 2015, 8, 509.	2.5	32
46	Transmission of Japanese Encephalitis virus from the black flying fox, Pteropus alecto, to Culex annulirostris mosquitoes, despite the absence of detectable viremia. American Journal of Tropical Medicine and Hygiene, 2009, 81, 457-62.	1.4	31
47	Evolutionary potential of the extrinsic incubation period of dengue virus in<i>Aedes aegypti</i>. Evolution; International Journal of Organic Evolution, 2016, 70, 2459-2469.	2.3	30
48	The Emergence of Japanese Encephalitis Virus in Australia in 2022: Existing Knowledge of Mosquito Vectors. Viruses, 2022, 14, 1208.	3.3	30
49	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
50	Identification of new flaviviruses in the Kokobera virus complex. Journal of General Virology, 2005, 86, 121-124.	2.9	28
51	Dengue viruses in Papua New Guinea: evidence of endemicity and phylogenetic variation, including the evolution of new genetic lineages. Emerging Microbes and Infections, 2017, 6, 1-11.	6.5	28
52	Discovery and Characterisation of Castlerea Virus, a New Species of <i>Negevirus</i> Isolated in Australia. Evolutionary Bioinformatics, 2017, 13, 117693431769126.	1.2	28
53	Mosquito excreta: A sample type with many potential applications for the investigation of Ross River virus and West Nile virus ecology. PLoS Neglected Tropical Diseases, 2018, 12, e0006771.	3.0	28
54	Epidemiologic, Entomologic, and Virologic Factors of the 2014â€"15 Ross River Virus Outbreak, Queensland, Australia. Emerging Infectious Diseases, 2019, 25, 2243-2252.	4.3	28

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55	Responses of mosquitoes of the Anopheles farauti complex to 1-octen-3-ol and light in combination with carbon dioxide in northern Queensland, Australia. Medical and Veterinary Entomology, 1997, 11, 177-180.	1.5	26
56	Vector Competence of Australian Mosquitoes for Yellow Fever Virus. American Journal of Tropical Medicine and Hygiene, 2011, 85, 446-451.	1.4	26
57	Detection of Arboviruses and Other Micro-Organisms in Experimentally Infected Mosquitoes Using Massively Parallel Sequencing. PLoS ONE, 2013, 8, e58026.	2.5	26
58	Role of enhanced vector transmission of a new West Nile virus strain in an outbreak of equine disease in Australia in 2011. Parasites and Vectors, 2014, 7, 586.	2.5	26
59	Virulence and Evolution of West Nile Virus, Australia, 1960â€“2012. Emerging Infectious Diseases, 2016, 22, 1353-1362.	4.3	26
60	Discovery and characterisation of a new insect-specific bunyavirus from Culex mosquitoes captured in northern Australia. Virology, 2016, 489, 269-281.	2.4	26
61	A newly discovered flavivirus in the yellow fever virus group displays restricted replication in vertebrates. Journal of General Virology, 2016, 97, 1087-1093.	2.9	25
62	Short report: the first isolation of Japanese encephalitis virus from mosquitoes collected from mainland Australia. American Journal of Tropical Medicine and Hygiene, 2006, 75, 21-5.	1.4	25
63	Laboratory-Acquired Dengue Virus Infectionâ€"A Case Report. PLoS Neglected Tropical Diseases, 2011, 5, e1324.	3.0	24
64	Field Evaluation of a Sentinel Mosquito (Diptera: Culicidae) Trap System to Detect Japanese Encephalitis in Remote Australia. Journal of Medical Entomology, 2003, 40, 249-252.	1.8	23
65	The Usual Suspects: Comparison of the Relative Roles of Potential Urban Chikungunya Virus Vectors in Australia. PLoS ONE, 2015, 10, e0134975.	2.5	23
66	Rapid Surveillance for Vector Presence (RSVP): Development of a novel system for detecting Aedes aegypti and Aedes albopictus. PLoS Neglected Tropical Diseases, 2017, 11, e0005505.	3.0	23
67	Wolbachia Genome Stability and mtDNA Variants in Aedes aegypti Field Populations Eight Years after Release. IScience, 2020, 23, 101572.	4.1	23
68	FTA Cards Facilitate Storage, Shipment, and Detection of Arboviruses in Infected Aedes aegypti Collected in Adult Mosquito Traps. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1241-1243.	1.4	23
69	Expectoration of Flaviviruses During Sugar Feeding by Mosquitoes (Diptera: Culicidae). Journal of Medical Entomology, 2007, 44, 845-850.	1.8	22
70	Discovery of new orbiviruses and totivirus from Anopheles mosquitoes in Eastern Australia. Archives of Virology, 2017, 162, 3529-3534.	2.1	21
71	Understanding the role of microRNAs in the interaction of Aedes aegypti mosquitoes with an insect-specific flavivirus. Journal of General Virology, 2017, 98, 1892-1903.	2.9	21
72	A Polymerase Chain Reaction-Based Diagnostic to Identify Larvae and Eggs of Container Mosquito Species from the Australian Region. Journal of Medical Entomology, 2007, 44, 376-380.	1.8	21

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73	Rapid identification of Aedes albopictus, Aedes scutellaris, and Aedes aegypti life stages using real-time polymerase chain reaction assays. American Journal of Tropical Medicine and Hygiene, 2008, 79, 866-75.	1.4	21
74	Culex annulirostris (Diptera: Culicidae) Host Feeding Patterns and Japanese Encephalitis Virus Ecology in Northern Australia. Journal of Medical Entomology, 2012, 49, 371-377.	1.8	20
75	The Role of Australian Mosquito Species in the Transmission of Endemic and Exotic West Nile Virus Strains. International Journal of Environmental Research and Public Health, 2013, 10, 3735-3752.	2.6	20
76	Metagenomic Analysis of the Virome of Mosquito Excreta. MSphere, 2020, 5, .	2.9	20
77	Development and Evaluation of Real-Time Polymerase Chain Reaction Assays to Identify Mosquito (Diptera: Culicidae) Bloodmeals Originating from Native Australian Mammals. Journal of Medical Entomology, 2007, 44, 85-92.	1.8	19
78	Efficacy of birdâ€baited traps placed at different heights for collecting ornithophilic mosquitoes in eastern Queensland, Australia. Australian Journal of Entomology, 2009, 48, 53-59.	1.1	19
79	Development and Field Evaluation of a System to Collect Mosquito Excreta for the Detection of Arboviruses. Journal of Medical Entomology, 2019, 56, 1116-1121.	1.8	18
80	The recently identified flavivirus Bamaga virus is transmitted horizontally by Culex mosquitoes and interferes with West Nile virus replication in vitro and transmission in vivo. PLoS Neglected Tropical Diseases, 2018, 12, e0006886.	3.0	16
81	Malaria surveillance from both ends: concurrent detection of Plasmodium falciparum in saliva and excreta harvested from Anopheles mosquitoes. Parasites and Vectors, 2019, 12, 355.	2.5	15
82	Expectoration of Flaviviruses During Sugar Feeding by Mosquitoes (Diptera: Culicidae). Journal of Medical Entomology, 2007, 44, 845-850.	1.8	14
83	Vector competence of Australian <i>Culex gelidus</i> Theobald (Diptera: Culicidae) for endemic and exotic arboviruses. Australian Journal of Entomology, 2009, 48, 234-240.	1.1	14
84	New genotypes of Liao ning virus (LNV) in Australia exhibit an insect-specific phenotype. Journal of General Virology, 2018, 99, 596-609.	2.9	14
85	Development and Evaluation of Real-Time Polymerase Chain Reaction Assays to Identify Mosquito (Diptera: Culicidae) Bloodmeals Originating from Native Australian Mammals. Journal of Medical Entomology, 2007, 44, 85-92.	1.8	14
86	DOES 1-OCTEN-3-OL ENHANCE TRAP COLLECTIONS OF JAPANESE ENCEPHALITIS VIRUS MOSQUITO VECTORS IN NORTHERN AUSTRALIA?. Journal of the American Mosquito Control Association, 2006, 22, 15-21.	0.7	13
87	Uncovering the genetic diversity within the <i>Aedes notoscriptus</i> virome and isolation of new viruses from this highly urbanised and invasive mosquito. Virus Evolution, 2021, 7, veab082.	4.9	13
88	The Insect-Specific Parramatta River Virus Is Vertically Transmitted by <i>Aedes vigilax</i> Mosquitoes and Suppresses Replication of Pathogenic Flaviviruses <i>In Vitro</i>. Vector-Borne and Zoonotic Diseases, 2021, 21, 208-215.	1.5	12
89	Genetic Characterization of Archived Bunyaviruses and their Potential for Emergence in Australia. Emerging Infectious Diseases, 2016, 22, 833-840.	4.3	11
90	Stability of West Nile Virus (Flaviviridae: Flavivirus) RNA in Mosquito Excreta. Journal of Medical Entomology, 2019, 56, 1135-1138.	1.8	10

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91	Genetic, Morphological and Antigenic Relationships between Mesonivirus Isolates from Australian Mosquitoes and Evidence for Their Horizontal Transmission. Viruses, 2020, 12, 1159.	3.3	10
92	Malaria and its implications for public health in Far North Queensland: a prospective study. Australian and New Zealand Journal of Public Health, 1998, 22, 196-199.	1.8	9
93	Characterization of a Western Pacific Zika Virus Strain in Australian Aedes aegypti. Vector-Borne and Zoonotic Diseases, 2018, 18, 317-322.	1.5	9
94	Physiology and ecology combine to determine host and vector importance for Ross River virus. ELife, 2021, 10, .	6.0	8
95	Morphological versus molecular identification of <i><scp>C</scp>ulex annulirostris</i>â€...<scp>S</scp>kuse and <i><scp>C</scp>ulex palpalis</i>â€...<scp>T</scp>aylor: key members of the <i><scp>C</scp>ulex sitiens</i> (<scp>D</scp>iptera: <scp>C</scp>ulicidae) subgroup in <scp>A</scp>ustralasia. Australian Journal of Entomology, 2013, 52, 356-362.	1.1	7
96	Impact of COVID-19 Mitigation Measures on Mosquito-Borne Diseases in 2020 in Queensland, Australia. Viruses, 2021, 13, 1150.	3.3	7
97	Seasonal Abundance of<i>Anopheles farauti</i>(Diptera: Culicidae) Sibling Species in Far North Queensland, Australia. Journal of Medical Entomology, 2000, 37, 153-161.	1.8	6
98	A LAMP-based colorimetric assay to expedite field surveillance of the invasive mosquito speciesÂAedes aegypti and Aedes albopictus. PLoS Neglected Tropical Diseases, 2020, 14, e0008130.	3.0	6
99	From Incriminating Stegomyia fasciata to Releasing Wolbachia pipientis: Australian Research on the Dengue Virus Vector, Aedes aegypti, and Development of Novel Strategies for Its Surveillance and Control. Tropical Medicine and Infectious Disease, 2018, 3, 71.	2.3	5
100	Arboviruses of Oceania. Neglected Tropical Diseases, 2016, , 193-235.	0.4	4
101	Archival Isolates Confirm a Single Topotype of West Nile Virus in Australia. PLoS Neglected Tropical Diseases, 2016, 10, e0005159.	3.0	3
102	First record of the mosquito Aedes (Downsiomyia) shehzadae (Diptera: Culicidae) in Australia: A unique discovery aided by citizen science. Journal of Vector Ecology, 2022, 47, .	1.0	3
103	Infection, Dissemination, and Replication of Urban and Sylvatic Strains of Dengue Virus Type 2 (Flaviviridae: Flavivirus) in Australian Aedes aegypti (Diptera: Culicidae). Journal of Medical Entomology, 2021, 58, 1412-1418.	1.8	1
104	The risks to Australia from emerging and exotic arboviruses. Microbiology Australia, 2018, 39, 84.	0.4	1
105	Dengue and the introduction of mosquito-transmitted viruses into Australia. Microbiology Australia, 2016, 37, 167.	0.4	0
106	Zika Virus sfRNA Plays an Essential Role in the Infection of Insects and Mammals. Proceedings (mdpi), 2020, 50, .	0.2	0