

Nicole L Achee

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,493
citations

279798

23
h-index

223800

46
g-index

86
all docs

86
docs citations

86
times ranked

2063
citing authors

#	ARTICLE	IF	CITATIONS
1	A Critical Assessment of Vector Control for Dengue Prevention. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003655.	3.0	328
2	Spatial repellents: from discovery and development to evidence-based validation. <i>Malaria Journal</i> , 2012, 11, 164.	2.3	210
3	A New Classification System for the Actions of IRS Chemicals Traditionally Used For Malaria Control. <i>PLoS ONE</i> , 2007, 2, e716.	2.5	191
4	Alternative strategies for mosquito-borne arbovirus control. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0006822.	3.0	165
5	A NOVEL HIGH-THROUGHPUT SCREENING SYSTEM TO EVALUATE THE BEHAVIORAL RESPONSE OF ADULT MOSQUITOES TO CHEMICALS ¹ . <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 404-411.	0.7	106
6	Characterization of Spatial Repellent, Contact Irritant, and Toxicant Chemical Actions of Standard Vector Control Compounds ¹ . <i>Journal of the American Mosquito Control Association</i> , 2009, 25, 156-167.	0.7	91
7	Impact of a Spatial Repellent on Malaria Incidence in Two Villages in Sumba, Indonesia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 1079-1087.	1.4	76
8	Quantifying the Epidemiological Impact of Vector Control on Dengue. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004588.	3.0	70
9	Insensitivity to the Spatial Repellent Action of Transfluthrin in <i>Aedes aegypti</i> : A Heritable Trait Associated with Decreased Insecticide Susceptibility. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003726.	3.0	56
10	Efficacy of a Spatial Repellent for Control of Malaria in Indonesia: A Cluster-Randomized Controlled Trial. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 344-358.	1.4	53
11	Volatile Substances from Larval Habitats Mediate Species-Specific Oviposition in <i>Anopheles</i> Mosquitoes. <i>Journal of Medical Entomology</i> , 2005, 42, 95-103.	1.8	46
12	Initial Assessment of the Acceptability of a Push-Pull <i>Aedes aegypti</i> Control Strategy in Iquitos, Peru and Kanchanaburi, Thailand. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 208-217.	1.4	44
13	Identifying the effective concentration for spatial repellency of the dengue vector <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2012, 5, 300.	2.5	43
14	Tracking Insecticide Resistance in Mosquito Vectors of Arboviruses: The Worldwide Insecticide resistance Network (WIN). <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005054.	3.0	43
15	A MARK-RELEASE-RECAPTURE STUDY USING A NOVEL PORTABLE HUT DESIGN TO DEFINE THE FLIGHT BEHAVIOR OF <i>ANOPHELES DARLINGI</i> IN BELIZE, CENTRAL AMERICA ¹ . <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 366-379.	0.7	37
16	Distribution of <i>Anopheles albimanus</i> , <i>Anopheles vestitipennis</i> , and <i>Anopheles crucians</i> Associated with Land Use in Northern Belize. <i>Journal of Medical Entomology</i> , 2006, 43, 614-622.	1.8	35
17	COMPARATIVE SUSCEPTIBILITY OF THREE SPECIES OF <i>ANOPHELES</i> FROM BELIZE, CENTRAL AMERICA, TO <i>PLASMODIUM FALCIPARUM</i> (NF-54). <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 279.	0.7	33
18	Behavioral Responses of Catnip (<i>Nepeta cataria</i>) by Two Species of Mosquitoes, <i>Aedes aegypti</i> and <i>Anopheles harrisoni</i> , in Thailand. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 513-519.	0.7	33

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19	Irritancy and Repellency Behavioral Responses of Three Strains of <i>Aedes aegypti</i> Exposed to DDT and \pm -Cypermethrin. <i>Journal of Medical Entomology</i> , 2009, 46, 1407-1414.	1.8	31
20	Contact Irritant Responses of <i>Aedes aegypti</i> Using Sublethal Concentration and Focal Application of Pyrethroid Chemicals. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2074.	3.0	30
21	Ecology of Larval Habitats. , 0, , .		28
22	Irritability and repellency of synthetic pyrethroids on an <i>Aedes aegypti</i> population from Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 217-224.	1.0	26
23	The field evaluation of a push-pull system to control malaria vectors in Northern Belize, Central America. <i>Malaria Journal</i> , 2015, 14, 184.	2.3	26
24	Use of Remote Sensing and Geographic Information Systems to Predict Locations of <i>Anopheles darlingi</i> -Positive Breeding Sites Within the Sibun River in Belize, Central America. <i>Journal of Medical Entomology</i> , 2006, 43, 382-392.	1.8	25
25	Effect of <i>Aedes aegypti</i> exposure to spatial repellent chemicals on BG-Sentinel [®] trap catches. <i>Parasites and Vectors</i> , 2013, 6, 145.	2.5	24
26	Distribution of <i>Anopheles albimanus</i> , <i>Anopheles vestitipennis</i> , and <i>Anopheles crucians</i> Associated with Land Use in Northern Belize. <i>Journal of Medical Entomology</i> , 2006, 43, 614-622.	1.8	23
27	The effect of host type on movement patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and out of experimental huts in Thailand. <i>Journal of Vector Ecology</i> , 2006, 31, 311-318.	1.0	23
28	Effect of Spatial Repellent Exposure on Dengue Vector Attraction to Oviposition Sites. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004850.	3.0	23
29	International workshop on insecticide resistance in vectors of arboviruses, December 2016, Rio de Janeiro, Brazil. <i>Parasites and Vectors</i> , 2017, 10, 278.	2.5	23
30	Efficacy of a spatial repellent for control of <i>Aedes</i> -borne virus transmission: A cluster-randomized trial in Iquitos, Peru. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	23
31	Use of Remote Sensing and Geographic Information Systems to Predict Locations of <i>Anopheles darlingi</i> -Positive Breeding Sites Within the Sibun River in Belize, Central America. <i>Journal of Medical Entomology</i> , 2006, 43, 382-392.	1.8	22
32	Habitat suitability for three species of <i>Anopheles</i> mosquitoes: Larval growth and survival in reciprocal placement experiments. <i>Journal of Vector Ecology</i> , 2007, 32, 176.	1.0	21
33	Biting patterns and seasonal densities of <i>Anopheles</i> mosquitoes in the Cayo District, Belize, Central America with emphasis on <i>Anopheles darlingi</i> . <i>Journal of Vector Ecology</i> , 2006, 31, 45-57.	1.0	20
34	A MARK [®] “RELEASE”RECAPTURE STUDY TO DEFINE THE FLIGHT BEHAVIORS OF ANOPHELES VESTITIPENNIS AND ANOPHELES ALBIMANUS IN BELIZE, CENTRAL AMERICA.1. <i>Journal of the American Mosquito Control Association</i> , 2007, 23, 276-282.	0.7	20
35	Effects of environmental conditions on the movement patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and out of experimental huts in Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 267-275.	1.0	20
36	Evaluation of a peridomestic mosquito trap for integration into an <i>Aedes aegypti</i> (Diptera: Culicidae) push-pull control strategy. <i>Journal of Vector Ecology</i> , 2012, 37, 8-19.	1.0	19

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37	Knowledge, attitudes and practices assessment of malaria interventions in rural Zambia. BMC Public Health, 2020, 20, 216.	2.9	19
38	A High Throughput Screening System for Determining the Three Actions of Insecticides Against <i>Aedes aegypti</i> (Diptera: Culicidae) Populations in Thailand. Journal of Medical Entomology, 2010, 47, 833-841.	1.8	18
39	Comparison of <i>Aedes aegypti</i> (Diptera: Culicidae) Resting Behavior on Two Fabric Types Under Consideration for Insecticide Treatment in a Push-Pull Strategy. Journal of Medical Entomology, 2013, 50, 59-68.	1.8	18
40	Comparative Behavioral Responses of Pyrethroid-Susceptible and -Resistant <i>Aedes aegypti</i> (Diptera: Culicidae) Populations to Citronella and Eucalyptus Oils. Journal of Medical Entomology, 2014, 51, 1182-1191.	1.8	16
41	Modern Vector Control. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a025643.	6.2	16
42	Effects of Physiological Conditioning on Behavioral Avoidance by Using a Single Age Group of <i>Aedes aegypti</i> Exposed to Deltamethrin and DDT. Journal of Medical Entomology, 2008, 45, 251-259.	1.8	15
43	Host feeding preferences of <i>Anopheles</i> species collected by manual aspiration, mechanical aspiration, and from a vehicle-mounted trap in the Toledo District, Belize, Central America. Journal of the American Mosquito Control Association, 2002, 18, 307-15.	0.7	15
44	Effects of Physiological Conditioning on Behavioral Avoidance by Using a Single Age Group of <i>Aedes aegypti</i> Exposed to Deltamethrin and DDT. Journal of Medical Entomology, 2008, 45, 251-259.	1.8	14
45	An improved experimental hut design for the study of <i>Aedes aegypti</i> (Diptera: Culicidae) movement patterns in Thailand. Journal of Vector Ecology, 2010, 35, 428-431.	1.0	14
46	A High Throughput Screening System for Determining the Three Actions of Insecticides Against <i>Aedes aegypti</i> (Diptera: Culicidae) Populations in Thailand. Journal of Medical Entomology, 2010, 47, 833-841.	1.8	14
47	Evaluation of habitat management strategies for the reduction of malaria vectors in northern Belize. Journal of Vector Ecology, 2005, 30, 235-43.	1.0	14
48	Evaluation of the protective efficacy of a spatial repellent to reduce malaria incidence in children in western Kenya compared to placebo: study protocol for a cluster-randomized double-blinded control trial (the AEGIS program). Trials, 2022, 23, 260.	1.6	14
49	Comparative data on the insecticide resistance of <i>Anopheles albimanus</i> in relation to agricultural practices in northern Belize, CA. Journal of Pest Science, 2010, 83, 41-46.	3.7	13
50	Targeting educational campaigns for prevention of malaria and dengue fever: an assessment in Thailand. Parasites and Vectors, 2015, 8, 43.	2.5	13
51	The use of an experimental hut for evaluating the entering and exiting behavior of <i>Aedes aegypti</i> (Diptera: Culicidae), a primary vector of dengue in Thailand. Journal of Vector Ecology, 2005, 30, 344-6.	1.0	12
52	Effects of Preexposure to DEET on the Downstream Blood-Feeding Behaviors of <i>Aedes aegypti</i> (Diptera: Culicidae) Mosquitoes. Journal of Medical Entomology, 2016, 53, 1100-1104.	1.8	11
53	Freshwater community interactions and malaria. , 2006, , 90-104.		11
54	Mosquito control practices and perceptions: An analysis of economic stakeholders during the Zika epidemic in Belize, Central America. PLoS ONE, 2018, 13, e0201075.	2.5	10

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55	Experimental evaluation of overhanging bamboo in <i>Anopheles darlingi</i> larval habitat selection in Belize, Central America. <i>Journal of Vector Ecology</i> , 2006, 31, 145-151.	1.0	9
56	Outcomes from international field trials with Male <i>Aedes</i> Sound Traps: Frequency-dependent effectiveness in capturing target species in relation to bycatch abundance. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009061.	3.0	9
57	Model-based analysis of experimental data from interconnected, row-configured huts elucidates multifaceted effects of a volatile chemical on <i>Aedes aegypti</i> mosquitoes. <i>Parasites and Vectors</i> , 2018, 11, 365.	2.5	8
58	Is It Time to Formally Recognize Spatial Repellency for Disease Prevention?. <i>Outlooks on Pest Management</i> , 2012, 23, 283-286.	0.2	7
59	Determining Airborne Concentrations of Spatial Repellent Chemicals in Mosquito Behavior Assay Systems. <i>PLoS ONE</i> , 2013, 8, e71884.	2.5	7
60	Influence of Location and Distance of Biogents Sentinel [®] Traps From Human-Occupied Experimental Huts On <i>Aedes aegypti</i> Recapture and Entry Into Huts. <i>Journal of the American Mosquito Control Association</i> , 2018, 34, 201-209.	0.7	7
61	Fatty acids in anopheline mosquito larvae and their habitats. <i>Journal of Vector Ecology</i> , 2012, 37, 382-395.	1.0	6
62	First Record and Demonstration of a Southward Expansion of <i>Aedes albopictus</i> into Orange Walk Town, Belize, Central America. <i>Journal of the American Mosquito Control Association</i> , 2013, 29, 380-382.	0.7	6
63	BC-Sentinel [®] Trap Efficacy As A Component of Proof-Of-Concept For Push-Pull Control Strategy For Dengue Vector Mosquitoes. <i>Journal of the American Mosquito Control Association</i> , 2017, 33, 293-300.	0.7	5
64	Effect of the Topical Repellent para-Menthane-3,8-diol on Blood Feeding Behavior and Fecundity of the Dengue Virus Vector <i>Aedes aegypti</i> . <i>Insects</i> , 2018, 9, 60.	2.2	5
65	Community-level impacts of spatial repellents for control of diseases vectored by <i>Aedes aegypti</i> mosquitoes. <i>PLoS Computational Biology</i> , 2020, 16, e1008190.	3.2	5
66	A Comparison Of Two Commercial Mosquito Traps for the Capture Of Malaria Vectors In Northern Belize, Central America. <i>Journal of the American Mosquito Control Association</i> , 2014, 30, 175-183.	0.7	3
67	Current status of spatial repellents in the global vector control community. , 2022, , 267-278.		3
68	Scientific achievements and reflections after 20 years of vector biology and control research at the Pu Teuy mosquito field research station, Thailand. <i>Malaria Journal</i> , 2022, 21, 44.	2.3	3
69	Comparison of Experimental Hut Entrance and Exit Behavior Between <i>Anopheles darlingi</i> from the Cayo District, Belize, and Zungarococha, Peru. <i>Journal of the American Mosquito Control Association</i> , 2013, 29, 319-327.	0.7	2
70	Dengue Virus-1 Infection Did Not Alter the Behavioral Response of <i>Aedes aegypti</i> (Diptera: Culicidae) to DEET. <i>Journal of Medical Entomology</i> , 2016, 53, 687-691.	1.8	2
71	Combining chemometric and phytochemical tools to isolate and characterize activity of <i>Vismia gracilis</i> compounds against <i>Aedes aegypti</i> . <i>Natural Product Research</i> , 2022, 36, 2620-2624.	1.8	2
72	A Delayed Release Mechanism for Marked Release Recapture Studies. <i>Journal of the American Mosquito Control Association</i> , 2006, 22, 573-575.	0.7	1

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73	Comparison of a novel high-throughput screening system with the Bottle assay for evaluating insecticide toxicity. <i>Journal of Pesticide Sciences</i> , 2009, 34, 283-286.	1.4	1
74	Effects of Environmental Conditions on the Movement Patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and Out of Experimental Huts in Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 267-275.	1.0	0
75	Title is missing!. , 2020, 16, e1008190.		0
76	Title is missing!. , 2020, 16, e1008190.		0
77	Title is missing!. , 2020, 16, e1008190.		0
78	Title is missing!. , 2020, 16, e1008190.		0
79	Title is missing!. , 2020, 16, e1008190.		0
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