

Nathan D Burkett-Cadena

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

1,963
citations

236912

25
h-index

330122

37
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116
all docs

116
docs citations

116
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecology of Eastern Equine Encephalitis Virus in the Southeastern United States: Incriminating Vector and Host Species Responsible for Virus Amplification, Persistence, and Dispersal. <i>Journal of Medical Entomology</i> , 2022, 59, 41-48.	1.8	5
2	Lizards Are Important Hosts for Zoonotic Flavivirus Vectors, Subgenus <i>Culex</i> , in the Southern USA. <i>Frontiers in Tropical Diseases</i> , 2022, 3, .	1.4	7
3	Predicting the potential distribution of <i>Culex (Melanoconion) cedecei</i> in Florida and the Caribbean using ecological niche models. <i>Journal of Vector Ecology</i> , 2022, 47, .	1.0	3
4	Mosquito <i>Culex cedecei</i> Stone and Hair (Insecta: Diptera: Culicidae). <i>Edis</i> , 2022, 2022, .	0.1	0
5	Evaluating sampling strategies for enzootic Venezuelan equine encephalitis virus vectors in Florida and Panama. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010329.	3.0	5
6	A Mosquito <i>Culex erraticus</i> (Dyar and Knab, 1906) (Insecta: Diptera: Culicidae: Culicini). <i>Edis</i> , 2022, 2022, .	0.1	0
7	No common name, <i>Aedes atlanticus</i> (Dyar and Knab). <i>Edis</i> , 2022, 2022, .	0.1	0
8	First records of species of the Spissipes Section (<i>Culex (Melanoconion)</i>) (Diptera, Culicidae) in Guainía Department, Colombia. <i>Check List</i> , 2022, 18, 721-724.	0.4	0
9	Spatiotemporal Modeling of Zoonotic Arbovirus Transmission in Northeastern Florida Using Sentinel Chicken Surveillance and Earth Observation Data. <i>Remote Sensing</i> , 2022, 14, 3388.	4.0	1
10	Development and field evaluation of a motion sensor activated suction trap to study vectorâhost interactions. <i>Methods in Ecology and Evolution</i> , 2021, 12, 204-211.	5.2	3
11	Vector Competence of Florida <i>Culicoides insignis</i> (Diptera: Ceratopogonidae) for Epizootic Hemorrhagic Disease Virus Serotype-2. <i>Viruses</i> , 2021, 13, 410.	3.3	13
12	Potential Distribution of <i>Aedes (Ochlerotatus) scapularis</i> (Diptera: Culicidae): A Vector Mosquito New to the Florida Peninsula. <i>Insects</i> , 2021, 12, 213.	2.2	9
13	An Mosquito <i>Mansonia titillans</i> (Walker) (Insecta: Diptera: Culicidae: Culicinae: Mansoniini). <i>Edis</i> , 2021, 2021, 6.	0.1	0
14	Field Analysis of Biological Factors Associated With Sites at High and Low to Moderate Risk for Eastern Equine Encephalitis Virus Winter Activity in Florida. <i>Journal of Medical Entomology</i> , 2021, 58, 2385-2397.	1.8	4
15	Host Bloodmeal Source Has No Significant Effect on the Fecundity and Subsequent Larval Development Traits of the Progeny in <i>Culicoides furens</i> Poey (Diptera: Ceratopogonidae). <i>Journal of Medical Entomology</i> , 2021, 58, 2439-2445.	1.8	1
16	Infrared light sensors permit rapid recording of wingbeat frequency and bioacoustic species identification of mosquitoes. <i>Scientific Reports</i> , 2021, 11, 10042.	3.3	6
17	Invasive Burmese pythons alter host use and virus infection in the vector of a zoonotic virus. <i>Communications Biology</i> , 2021, 4, 804.	4.4	13
18	Modeling Abundance of <i>Culicoides stellifer</i> , a Candidate Orbivirus Vector, Indicates Nonrandom Hemorrhagic Disease Risk for White-Tailed Deer (<i>Odocoileus virginianus</i>). <i>Viruses</i> , 2021, 13, 1328.	3.3	3

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19	Establishment of <i>Aedes (Ochlerotatus) scapularis</i> (Diptera: Culicidae) in Mainland Florida, With Notes on the <i>Ochlerotatus</i> Group in the United States. <i>Journal of Medical Entomology</i> , 2021, 58, 717-729.	1.8	17
20	Oviposition of <i>Culicoides insignis</i> (Diptera: Ceratopogonidae) under laboratory conditions with notes on the developmental life history traits of its immature stages. <i>Parasites and Vectors</i> , 2021, 14, 522.	2.5	3
21	Comparison of the Effect of Insecticides on Bumble Bees (<i>Bombus impatiens</i>) and Mosquitoes (<i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i>) by Standard Mosquito Research Methods. <i>Journal of Economic Entomology</i> , 2021, 114, 24-32.	1.8	1
22	Anaphylactic Reactions Due to <i>Triatoma protracta</i> (Hemiptera, Reduviidae, Triatominae) and Invasion into a Home in Northern California, USA. <i>Insects</i> , 2021, 12, 1018.	2.2	4
23	(IN1324) northern house mosquito. <i>Edis</i> , 2021, 2021, .	0.1	1
24	Detection of Fluorescent Powders and Their Effect on Survival and Recapture of <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2020, 57, 266-272.	1.8	7
25	Laboratory Rearing of <i>Culicoides stellifer</i> (Diptera: Ceratopogonidae), a Suspected Vector of Orbiviruses in the United States. <i>Journal of Medical Entomology</i> , 2020, 57, 25-32.	1.8	12
26	Management of Plant and Arthropod Pests by Deer Farmers in Florida. <i>Journal of Integrated Pest Management</i> , 2020, 11, .	2.0	2
27	<i>Culicoides</i> (Diptera: Ceratopogonidae) Communities Differ Between a Game Preserve and Nearby Natural Areas in Northern Florida. <i>Journal of Medical Entomology</i> , 2020, 58, 450-457.	1.8	4
28	Vectorial Capacity of <i>Culiseta melanura</i> (Diptera: Culicidae) Changes Seasonally and Is Related to Epizootic Transmission of Eastern Equine Encephalitis Virus in Central Florida. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	7
29	The readily transformable <i>Impatiens walleriana</i> efficiently attracts nectar feeding with <i>Aedes</i> and <i>Culex</i> mosquitoes in simulated outdoor garden settings in Mississippi and Florida. <i>Acta Tropica</i> , 2020, 210, 105624.	2.0	1
30	Tracking Community Timing: Pattern and Determinants of Seasonality in <i>Culicoides</i> (Diptera:) Tj ETQq0 0 0 rgBT /Oyerklock 1Q Tf 50 302	3.3	9
31	Differentiation of Multiple Fluorescent Powders, Powder Transfer, and Effect on Mating in <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Insects</i> , 2020, 11, 727.	2.2	4
32	Human Blood Feeding by <i>Aedes aegypti</i> (Diptera: Culicidae) in the Florida Keys and a Review of the Literature. <i>Journal of Medical Entomology</i> , 2020, 57, 1640-1647.	1.8	11
33	A network analysis framework to improve the delivery of mosquito abatement services in Machala, Ecuador. <i>International Journal of Health Geographics</i> , 2020, 19, 3.	2.5	5
34	Implementation of bamboo and monkey-pot traps for the sampling cavity-breeding mosquitoes in Dari�n, Panama. <i>Acta Tropica</i> , 2020, 205, 105352.	2.0	5
35	Impacts of fluorescent powders on survival of different age cohorts, blood-feeding success, and tethered flight speed of <i>Aedes aegypti</i> (Diptera: Culicidae) females. <i>Acta Tropica</i> , 2020, 207, 105491.	2.0	6
36	Seasonal Changes of Host Use by <i>Culiseta melanura</i> (Diptera: Culicidae) in Central Florida. <i>Journal of Medical Entomology</i> , 2020, 57, 1627-1634.	1.8	12

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37	Distance Diminishes the Effect of Deltamethrin Exposure on the Monarch Butterfly, <i>Danaus plexippus</i> . Journal of the American Mosquito Control Association, 2020, 36, 181-188.	0.7	4
38	Host use patterns of <i>Culicoides</i> spp. biting midges at a big game preserve in Florida, U.S.A., and implications for the transmission of orbiviruses. Medical and Veterinary Entomology, 2019, 33, 110-120.	1.5	37
39	Vertebrate Hosts of <i>Aedes aegypti</i> , <i>Aedes albopictus</i> , and <i>Culex quinquefasciatus</i> (Diptera: Culicidae) as Potential Vectors of Zika Virus in Florida. Journal of Medical Entomology, 2019, 56, 10-17.	1.8	26
40	Habitat associations of <i>Culicoides</i> species (Diptera: Ceratopogonidae) abundant on a commercial cervid farm in Florida, USA. Parasites and Vectors, 2019, 12, 367.	2.5	26
41	Patterns of Abundance, Host Use, and Everglades Virus Infection in <i>Culex (Melanoconion) cedecei</i> Mosquitoes, Florida, USA. Emerging Infectious Diseases, 2019, 25, 1093-1100.	4.3	15
42	Host Associations of <i>Culex (Melanoconion) atratus</i> (Diptera: Culicidae) and <i>Culex (Melanoconion) pilosus</i> from Florida, USA. Insects, 2019, 10, 239.	2.2	10
43	Effects of ultraviolet LED versus incandescent bulb and carbon dioxide for sampling abundance and diversity of <i>Culicoides</i> in Florida. Journal of Medical Entomology, 2019, 56, 353-361.	1.8	14
44	Field data implicating <i>Culicoides stellifer</i> and <i>Culicoides venustus</i> (Diptera: Ceratopogonidae) as vectors of epizootic hemorrhagic disease virus. Parasites and Vectors, 2019, 12, 258.	2.5	39
45	Multiplexed kit based on Luminex technology and achievements in synthetic biology discriminates Zika, chikungunya, and dengue viruses in mosquitoes. BMC Infectious Diseases, 2019, 19, 418.	2.9	17
46	Vector Competence of <i>Culicoides sonorensis</i> (Diptera: Ceratopogonidae) for Epizootic Hemorrhagic Disease Virus Serotype 2 Strains from Canada and Florida. Viruses, 2019, 11, 367.	3.3	8
47	PREFLEDGING MORTALITY AND THE ABUNDANCE OF MOSQUITOES BITING NESTLING BARN OWLS (TYTO TJ ETQq1 1 0.784314 rgBT	0.8	2
48	Ecological niche modeling the potential geographic distribution of four <i>Culicoides</i> species of veterinary significance in Florida, USA. PLoS ONE, 2019, 14, e0206648.	2.5	18
49	Human-powered pop-up resting shelter for sampling cavity-resting mosquitoes. Acta Tropica, 2019, 190, 288-292.	2.0	17
50	Host Associations Of Biting Midges (Diptera: Ceratopogonidae: <i>Culicoides</i>) Near Sentinel Chicken Surveillance Locations In Florida, USA. Journal of the American Mosquito Control Association, 2019, 35, 200-206.	0.7	11
51	Morphological Adaptations of Parasitic Arthropods. , 2019, , 17-22.		4
52	Grass-like mantid, American grass mantid, <i>Thesprotia graminis</i> , (Scudder, 1878) (Insecta: Mantodea:) TJ ETQq0 0 0 rgBT /Overlock 10 TF		0
53	Laboratory Evaluation of Commercially Available Platforms to Detect West Nile and Zika Viruses From Honey Cards. Journal of Medical Entomology, 2018, 55, 717-722.	1.8	8
54	Unbiased Strain-Typing of Arbovirus Directly from Mosquitoes Using Nanopore Sequencing: A Field-forward Biosurveillance Protocol. Scientific Reports, 2018, 8, 5417.	3.3	43

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55	Deforestation and vector-borne disease: Forest conversion favors important mosquito vectors of human pathogens. <i>Basic and Applied Ecology</i> , 2018, 26, 101-110.	2.7	123
56	Reemergence of St. Louis Encephalitis Virus in the Americas. <i>Emerging Infectious Diseases</i> , 2018, 24, .	4.3	68
57	Vertical stratification of <i>Culicoides</i> biting midges at a Florida big game preserve. <i>Parasites and Vectors</i> , 2018, 11, 505.	2.5	21
58	Dim light at night: physiological effects and ecological consequences for infectious disease. <i>Integrative and Comparative Biology</i> , 2018, 58, 995-1007.	2.0	15
59	Identification of <i>Uranotaenia sapphirina</i> as a specialist of annelids broadens known mosquito host use patterns. <i>Communications Biology</i> , 2018, 1, 92.	4.4	40
60	Optimization of cationic (Q)-paper for detection of arboviruses in infected mosquitoes. <i>Journal of Virological Methods</i> , 2018, 261, 71-79.	2.1	7
61	Laboratory studies on the oviposition stimuli of <i>Culicoides stellifer</i> (Diptera: Ceratopogonidae), a suspected vector of Orbiviruses in the United States. <i>Parasites and Vectors</i> , 2018, 11, 300.	2.5	17
62	Simulated viral infection in early-life alters brain morphology, activity and behavior in zebra finches (<i>Taeniopygia guttata</i>). <i>Physiology and Behavior</i> , 2018, 196, 36-46.	2.1	1
63	Cattail Mosquito (suggested common name) <i>Coquillettia perturbans</i> (Walker) (Insecta: Diptera: Tj ETQq1 1 0.784314 rgBT ₀ /Overlock 10 Tf 50 302	0.1	28
64	<i>Culex</i> (Melanoconion) <i>panocossa</i> from peninsular Florida, USA. <i>Acta Tropica</i> , 2017, 167, 59-63.	2.0	27
65	Mammal decline, linked to invasive Burmese python, shifts host use of vector mosquito towards reservoir hosts of a zoonotic disease. <i>Biology Letters</i> , 2017, 13, 20170353.	2.3	50
66	Environmental Drivers of Seasonal Patterns of Host Utilization by <i>Culiseta melanura</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.8	28
67	Oviposition Strategies of Florida <i>Culex</i> (Melanoconion) Mosquitoes. <i>Journal of Medical Entomology</i> , 2017, 54, 812-820.	1.8	5
68	First Record of <i>Aedes japonicus</i> In Florida. <i>Journal of the American Mosquito Control Association</i> , 2017, 33, 340-344.	0.7	25
69	<i>Aedeomyia squamipennis</i> (Diptera: Culicidae) in Florida, USA, a New State and Country Record. <i>Journal of Medical Entomology</i> , 2017, 54, 788-792.	1.8	18
70	Overwintering of epizootic hemorrhagic disease virus in white-tailed deer in Florida, USA: Unanticipated seroconversion and the case for alternative vectors. <i>International Journal of Infectious Diseases</i> , 2016, 53, 65-66.	3.3	3
71	Host use and seasonality of <i>Culex</i> (Melanoconion) <i>iolambdis</i> (Diptera: Culicidae) from eastern Florida, USA. <i>Acta Tropica</i> , 2016, 164, 352-359.	2.0	21
72	Host stress hormones alter vector feeding preferences, success, and productivity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161278.	2.6	32

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73	Testing of Visual and Chemical Attractants in Correlation with the Development and Field Evaluation of an Autodissemination Station for the Suppression of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in Florida. <i>Journal of the American Mosquito Control Association</i> , 2016, 32, 194-202.	0.7	9
74	Evaluation of the Honey-Card Technique for Detection of Transmission of Arboviruses in Florida and Comparison With Sentinel Chicken Seroconversion. <i>Journal of Medical Entomology</i> , 2016, 53, 1449-1457.	1.8	23
75	Vector Competence and Capacity of <i>Culex erraticus</i> (Diptera: Culicidae) for Eastern Equine Encephalitis Virus in the Southeastern United States. <i>Journal of Medical Entomology</i> , 2016, 53, 473-476.	1.8	28
76	Identification of Communal Oviposition Pheromones from the Black Fly <i>Simulium vittatum</i> . <i>PLoS ONE</i> , 2015, 10, e0118904.	2.5	6
77	Carbon dioxide generated from carbonates and acids for sampling blood-feeding arthropods. <i>Acta Tropica</i> , 2015, 149, 254-261.	2.0	10
78	Identification of Human Semiochemicals Attractive to the Major Vectors of Onchocerciasis. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e3450.	3.0	18
79	Ecology of <i>Culiseta Melanura</i> and Other Mosquitoes (Diptera: Culicidae) from Walton County, FL, During Winter Period 2013-2014. <i>Journal of Medical Entomology</i> , 2015, 52, 1074-1082.	1.8	27
80	Field Investigations of Winter Transmission of Eastern Equine Encephalitis Virus in Florida. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 685-693.	1.4	38
81	Optimization of the Esperanza window trap for the collection of the African onchocerciasis vector <i>Simulium damnosum sensu lato</i> . <i>Acta Tropica</i> , 2014, 137, 39-43.	2.0	32
82	Innate preference or opportunism: mosquitoes feeding on birds of prey at the Southeastern Raptor Center. <i>Journal of Vector Ecology</i> , 2014, 39, 21-31.	1.0	12
83	Sex-biased avian host use by arbovirus vectors. <i>Royal Society Open Science</i> , 2014, 1, 140262.	2.4	12
84	Resting environments of some Costa Rican mosquitoes. <i>Journal of Vector Ecology</i> , 2013, 38, 12-19.	1.0	11
85	Development of a Novel Trap for the Collection of Black Flies of the <i>Simulium ochraceum</i> Complex. <i>PLoS ONE</i> , 2013, 8, e76814.	2.5	40
86	Hosts or habitats: What drives the spatial distribution of mosquitoes?. <i>Ecosphere</i> , 2013, 4, 1-16.	2.2	46
87	Risk of Exposure to Eastern Equine Encephalomyelitis Virus Increases with the Density of Northern Cardinals. <i>PLoS ONE</i> , 2013, 8, e57879.	2.5	15
88	Detection of Eastern Equine Encephalomyelitis Virus RNA in North American Snakes. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012, 87, 1140-1144.	1.4	39
89	Winter severity predicts the timing of host shifts in the mosquito <i>Culex erraticus</i> . <i>Biology Letters</i> , 2012, 8, 567-569.	2.3	19
90	Developing Models for the Forage Ratios of <i>Culiseta melanura</i> and <i>Culex erraticus</i> Using Species Characteristics for Avian Hosts. <i>Journal of Medical Entomology</i> , 2012, 49, 378-387.	1.8	12

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91	Habitat Associations of Eastern Equine Encephalitis Transmission in Walton County Florida. <i>Journal of Medical Entomology</i> , 2012, 49, 746-756.	1.8	24
92	Winter Biology of Wetland Mosquitoes at a Focus of Eastern Equine Encephalomyelitis Virus Transmission in Alabama, USA. <i>Journal of Medical Entomology</i> , 2011, 48, 967-973.	1.8	11
93	A Wire-Frame Shelter for Collecting Resting Mosquitoes. <i>Journal of the American Mosquito Control Association</i> , 2011, 27, 153-155.	0.7	24
94	Crepuscular Flight Activity of <i>Culex erraticus</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2011, 48, 167-172.	1.8	16
95	Temporal Analysis of Feeding Patterns of <i>Culex erraticus</i> in Central Alabama. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 413-421.	1.5	10
96	A Multi-Year Study of Mosquito Feeding Patterns on Avian Hosts in a Southeastern Focus of Eastern Equine Encephalitis Virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 718-726.	1.4	46
97	Actual or Perceived Abundance? Interpreting Annual Survey Data in the Face of Changing Phenologies. <i>Condor</i> , 2011, 113, 490-500.	1.6	14
98	Host Reproductive Phenology Drives Seasonal Patterns of Host Use in Mosquitoes. <i>PLoS ONE</i> , 2011, 6, e17681.	2.5	35
99	Developing GIS-based eastern equine encephalitis vector-host models in Tuskegee, Alabama. <i>International Journal of Health Geographics</i> , 2010, 9, 12.	2.5	21
100	Vector-Host Interactions in Avian Nests: Do Mosquitoes Prefer Nestlings over Adults?. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 83, 395-399.	1.4	32
101	Estimation of Dispersal Distances of <i>Culex erraticus</i> in a Focus of Eastern Equine Encephalitis Virus in the Southeastern United States. <i>Journal of Medical Entomology</i> , 2010, 47, 977-986.	1.8	28
102	Nestedness of Ectoparasite-Vertebrate Host Networks. <i>PLoS ONE</i> , 2009, 4, e7873.	2.5	58
103	Assessing Mosquito Feeding Patterns on Nestling and Brooding Adult Birds Using Microsatellite Markers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 534-537.	1.4	11
104	Assessing mosquito feeding patterns on nestling and brooding adult birds using microsatellite markers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 534-7.	1.4	5
105	Distribution Expansion of <i>Culex coronator</i> in Alabama. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 585-587.	0.7	18
106	Preference of Female Mosquitoes for Natural and Artificial Resting Sites. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 228-235.	0.7	54
107	Comparison of Infusions of Commercially Available Garden Products for Collection of Container-Breeding Mosquitoes. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 236-243.	0.7	7
108	Blood Feeding Patterns of Potential Arbovirus Vectors of the Genus <i>Culex</i> Targeting Ectothermic Hosts. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008, 79, 809-815.	1.4	89

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109	Blood feeding patterns of potential arbovirus vectors of the genus <i>Culex</i> targeting ectothermic hosts. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008, 79, 809-15.	1.4	54
110	FIELD COMPARISON OF BERMUDA-HAY INFUSION TO INFUSIONS OF EMERGENT AQUATIC VEGETATION FOR COLLECTING FEMALE MOSQUITOES. <i>Journal of the American Mosquito Control Association</i> , 2007, 23, 117-123.	0.7	21
111	Field Comparison of Removed Substrate Sampling and Emergence Traps for Estimating <i>Culiseta</i> and <i>Culex</i> Mosquito Vectors in Northern Florida. <i>Journal of Medical Entomology</i> , 0, , .	1.8	1