

Alexander T Ciota

List of Publications by Year in descending order

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68
papers

2,413
citations

172457

29
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233421

45
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71
all docs

71
docs citations

71
times ranked

2744
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Temperature on Life History Traits of <i>Culex</i> Mosquitoes. <i>Journal of Medical Entomology</i> , 2014, 51, 55-62.	1.8	197
2	Dissecting vectorial capacity for mosquito-borne viruses. <i>Current Opinion in Virology</i> , 2015, 15, 112-118.	5.4	156
3	Effects of Zika Virus Strain and <i>Aedes</i> Mosquito Species on Vector Competence. <i>Emerging Infectious Diseases</i> , 2017, 23, 1110-1117.	4.3	133
4	Vector-Virus Interactions and Transmission Dynamics of West Nile Virus. <i>Viruses</i> , 2013, 5, 3021-3047.	3.3	119
5	West Nile virus infection of <i>Drosophila melanogaster</i> induces a protective RNAi response. <i>Virology</i> , 2008, 377, 197-206.	2.4	99
6	Role of the mutant spectrum in adaptation and replication of West Nile virus. <i>Journal of General Virology</i> , 2007, 88, 865-874.	2.9	83
7	Insights into Arbovirus Evolution and Adaptation from Experimental Studies. <i>Viruses</i> , 2010, 2, 2594-2617.	3.3	79
8	Cell-specific adaptation of two flaviviruses following serial passage in mosquito cell culture. <i>Virology</i> , 2007, 357, 165-174.	2.4	77
9	Vertical Transmission of Zika Virus by <i>Aedes aegypti</i> and <i>Ae. albopictus</i> Mosquitoes. <i>Emerging Infectious Diseases</i> , 2017, 23, 880-882.	4.3	75
10	The effect of hybridization of <i>Culex pipiens</i> complex mosquitoes on transmission of West Nile virus. <i>Parasites and Vectors</i> , 2013, 6, 305.	2.5	59
11	Sequence-Specific Fidelity Alterations Associated with West Nile Virus Attenuation in Mosquitoes. <i>PLoS Pathogens</i> , 2015, 11, e1005009.	4.7	57
12	Dispersal of <i>Culex</i> Mosquitoes (Diptera: Culicidae) From a Wastewater Treatment Facility. <i>Journal of Medical Entomology</i> , 2012, 49, 35-42.	1.8	55
13	Cooperative interactions in the West Nile virus mutant swarm. <i>BMC Evolutionary Biology</i> , 2012, 12, 58.	3.2	55
14	Introduction, Spread, and Establishment of West Nile Virus in the Americas. <i>Journal of Medical Entomology</i> , 2019, 56, 1448-1455.	1.8	55
15	West Nile virus and its vectors. <i>Current Opinion in Insect Science</i> , 2017, 22, 28-36.	4.4	54
16	Exposure to West Nile Virus Increases Bacterial Diversity and Immune Gene Expression in <i>Culex pipiens</i> . <i>Viruses</i> , 2015, 7, 5619-5631.	3.3	52
17	The Role of Temperature in Transmission of Zoonotic Arboviruses. <i>Viruses</i> , 2019, 11, 1013.	3.3	49
18	Characterization of mosquito-adapted West Nile virus. <i>Journal of General Virology</i> , 2008, 89, 1633-1642.	2.9	48

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19	Quantification of intrahost bottlenecks of West Nile virus in <i>Culex pipiens</i> mosquitoes using an artificial mutant swarm. <i>Infection, Genetics and Evolution</i> , 2012, 12, 557-564.	2.3	48
20	Experimental Passage of St. Louis Encephalitis Virus In Vivo in Mosquitoes and Chickens Reveals Evolutionarily Significant Virus Characteristics. <i>PLoS ONE</i> , 2009, 4, e7876.	2.5	47
21	Adaptation of two flaviviruses results in differences in genetic heterogeneity and virus adaptability. <i>Journal of General Virology</i> , 2007, 88, 2398-2406.	2.9	41
22	Increased Replicative Fitness of a Dengue Virus 2 Clade in Native Mosquitoes: Potential Contribution to a Clade Replacement Event in Nicaragua. <i>Journal of Virology</i> , 2014, 88, 13125-13134.	3.4	39
23	Increased temperatures reduce the vectorial capacity of <i>Aedes</i> mosquitoes for Zika virus. <i>Emerging Microbes and Infections</i> , 2020, 9, 67-77.	6.5	37
24	Characterization of Rabensburg Virus, a Flavivirus Closely Related to West Nile Virus of the Japanese Encephalitis Antigenic Group. <i>PLoS ONE</i> , 2012, 7, e39387.	2.5	36
25	The evolution of virulence of West Nile virus in a mosquito vector: implications for arbovirus adaptation and evolution. <i>BMC Evolutionary Biology</i> , 2013, 13, 71.	3.2	36
26	Vector Competence of <i>Aedes caspius</i> and <i>Ae. albopictus</i> Mosquitoes for Zika Virus, Spain. <i>Emerging Infectious Diseases</i> , 2019, 25, 346-348.	4.3	36
27	The costs of infection and resistance as determinants of West Nile virus susceptibility in <i>Culex</i> mosquitoes. <i>BMC Ecology</i> , 2011, 11, 23.	3.0	34
28	Point mutations in the West Nile virus (Flaviviridae; Flavivirus) RNA-dependent RNA polymerase alter viral fitness in a host-dependent manner in vitro and in vivo. <i>Virology</i> , 2012, 427, 18-24.	2.4	33
29	Large-Scale Complete-Genome Sequencing and Phylodynamic Analysis of Eastern Equine Encephalitis Virus Reveals Source-Sink Transmission Dynamics in the United States. <i>Journal of Virology</i> , 2018, 92, .	3.4	31
30	Unreliable Inactivation of Viruses by Commonly Used Lysis Buffers. <i>Applied Biosafety</i> , 2017, 22, 56-59.	0.5	28
31	Transmission potential of Mayaro virus by <i>Aedes albopictus</i> , and <i>Anopheles quadrimaculatus</i> from the USA. <i>Parasites and Vectors</i> , 2020, 13, 613.	2.5	26
32	Differential Effects of Temperature and Mosquito Genetics Determine Transmissibility of Arboviruses by <i>Aedes aegypti</i> in Argentina. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 417-424.	1.4	26
33	Increase in temperature enriches heat tolerant taxa in <i>Aedes aegypti</i> midguts. <i>Scientific Reports</i> , 2020, 10, 19135.	3.3	25
34	Asian Zika Virus Isolate Significantly Changes the Transcriptional Profile and Alternative RNA Splicing Events in a Neuroblastoma Cell Line. <i>Viruses</i> , 2020, 12, 510.	3.3	25
35	Differing epidemiological dynamics of Chikungunya virus in the Americas during the 2014-2015 epidemic. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006670.	3.0	23
36	Emergence of <i>Culex pipiens</i> from Overwintering Hibernacula. <i>Journal of the American Mosquito Control Association</i> , 2011, 27, 21-29.	0.7	22

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37	Mutagen resistance and mutation restriction of St. Louis encephalitis virus. <i>Journal of General Virology</i> , 2017, 98, 201-211.	2.9	22
38	Heartland Virus Transmission, Suffolk County, New York, USA. <i>Emerging Infectious Diseases</i> , 2021, 27, 3128-3132.	4.3	22
39	The role of co-infection and swarm dynamics in arbovirus transmission. <i>Virus Research</i> , 2019, 265, 88-93.	2.2	18
40	Zika virus and temperature modulate <i>Elizabethkingia anophelis</i> in <i>Aedes albopictus</i> . <i>Parasites and Vectors</i> , 2021, 14, 573.	2.5	18
41	High levels of local inter- and intra-host genetic variation of West Nile virus and evidence of fine-scale evolutionary pressures. <i>Infection, Genetics and Evolution</i> , 2017, 51, 219-226.	2.3	16
42	Vector Competence of <i>Aedes albopictus</i> Populations from the Northeastern United States for Chikungunya, Dengue, and Zika Viruses. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, , .	1.4	16
43	Consequences of in vitro host shift for St. Louis encephalitis virus. <i>Journal of General Virology</i> , 2014, 95, 1281-1288.	2.9	15
44	Biological characterization of <i>Aedes albopictus</i> (Diptera: Culicidae) in Argentina: implications for arbovirus transmission. <i>Scientific Reports</i> , 2018, 8, 5041.	3.3	15
45	Evolutionary dynamics and molecular epidemiology of West Nile virus in New York State: 1999–2015. <i>Virus Evolution</i> , 2019, 5, vez020.	4.9	14
46	Temporal and spatial alterations in mutant swarm size of St. Louis encephalitis virus in mosquito hosts. <i>Infection, Genetics and Evolution</i> , 2011, 11, 460-468.	2.3	13
47	Factors Related to <i>Aedes aegypti</i> (Diptera: Culicidae) Populations and Temperature Determine Differences on Life-History Traits With Regional Implications in Disease Transmission. <i>Journal of Medical Entomology</i> , 2018, 55, 1105-1112.	1.8	13
48	West Nile virus is predicted to be more geographically widespread in New York State and Connecticut under future climate change. <i>Global Change Biology</i> , 2021, 27, 5430-5445.	9.5	11
49	Adaptation of Rabensburg virus (RBCV) to vertebrate hosts by experimental evolution. <i>Virology</i> , 2019, 528, 30-36.	2.4	10
50	The Vector - Host - Pathogen Interface: The Next Frontier in the Battle Against Mosquito-Borne Viral Diseases?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 564518.	3.9	10
51	Zika virus infects <i>Aedes aegypti</i> ovaries. <i>Virology</i> , 2021, 561, 58-64.	2.4	10
52	Reversion to ancestral Zika virus NS1 residues increases competence of <i>Aedes albopictus</i> . <i>PLoS Pathogens</i> , 2020, 16, e1008951.	4.7	9
53	West Nile virus adaptation to ixodid tick cells is associated with phenotypic trade-offs in primary hosts. <i>Virology</i> , 2015, 482, 128-132.	2.4	8
54	Experimental Evolution of West Nile Virus at Higher Temperatures Facilitates Broad Adaptation and Increased Genetic Diversity. <i>Viruses</i> , 2021, 13, 1889.	3.3	8

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55	Divergent Mutational Landscapes of Consensus and Minority Genotypes of West Nile Virus Demonstrate Host and Gene-Specific Evolutionary Pressures. <i>Genes</i> , 2020, 11, 1299.	2.4	7
56	Zika Virus Infection Results in Biochemical Changes Associated With RNA Editing, Inflammatory and Antiviral Responses in <i>Aedes albopictus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 559035.	3.5	6
57	Five Challenges in the Field of Viral Diversity and Evolution. <i>Frontiers in Virology</i> , 2021, 1, .	1.4	6
58	Reservoir hosts experiencing food stress alter transmission dynamics for a zoonotic pathogen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210881.	2.6	6
59	A Chemical Strategy for Intracellular Arming of an Endogenous Broad-Spectrum Antiviral Nucleotide. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15429-15439.	6.4	6
60	Adaptive evolution of West Nile virus facilitated increased transmissibility and prevalence in New York State. <i>Emerging Microbes and Infections</i> , 2022, 11, 988-999.	6.5	6
61	Eastern Equine Encephalitis Virus Taxonomy, Genomics, and Evolution. <i>Journal of Medical Entomology</i> , 2022, 59, 14-19.	1.8	5
62	<i>Aedes Albopictus</i> and Cache Valley virus: a new threat for virus transmission in New York State. <i>Emerging Microbes and Infections</i> , 2022, 11, 741-748.	6.5	5
63	West Nile Virus fidelity modulates the capacity for host cycling and adaptation. <i>Journal of General Virology</i> , 2020, 101, 410-419.	2.9	4
64	Role of <i>Anopheles</i> Mosquitoes in Cache Valley Virus Lineage Displacement, New York, USA. <i>Emerging Infectious Diseases</i> , 2022, 28, 303-313.	4.3	4
65	The Role of the Flavivirus Replicase in Viral Diversity and Adaptation. <i>Viruses</i> , 2022, 14, 1076.	3.3	4
66	Vector competence of <i>Anopheles quadrimaculatus</i> and <i>Aedes albopictus</i> for genetically distinct Jamestown Canyon virus strains circulating in the Northeast United States. <i>Parasites and Vectors</i> , 2022, 15, .	2.5	3
67	Agnostic Framework for the Classification/Identification of Organisms Based on RNA Post-Transcriptional Modifications. <i>Analytical Chemistry</i> , 2021, 93, 7860-7869.	6.5	1
68	Role of Inter- and Intra-host Genetics in Arbovirus Evolution. , 2016, , 167-174.		1