Alexander T Ciota

List of Publications by Year
in descending order

68 papers	2,413 citations	29 h-index (172457)	45 g-index (233421)
71 all docs	71 docs citations	71 times ranked	2744 citing authors

#	Article	IF	Citations
1	Eastern Equine Encephalitis Virus Taxonomy, Genomics, and Evolution. Journal of Medical Entomology, 2022, 59, 14-19.	1.8	5
2	Role of <i>Anopheles</i> Mosquitoes in Cache Valley Virus Lineage Displacement, New York, USA. Emerging Infectious Diseases, 2022, 28, 303-313.	4.3	4
3	Adaptive evolution of West Nile virus facilitated increased transmissibility and prevalence in New York State. Emerging Microbes and Infections, 2022, 11, 988-999.	6.5	6
4	<i>Aedes Albopictus</i> and Cache Valley virus: a new threat for virus transmission in New York State. Emerging Microbes and Infections, 2022, 11, 741-748.	6.5	5
5	The Role of the Flavivirus Replicase in Viral Diversity and Adaptation. Viruses, 2022, 14, 1076.	3.3	4
6	Vector competence of Anopheles quadrimaculatus and Aedes albopictus for genetically distinct Jamestown Canyon virus strains circulating in the Northeast United States. Parasites and Vectors, 2022, 15, .	2.5	3
7	Five Challenges in the Field of Viral Diversity and Evolution. Frontiers in Virology, 2021, 1, .	1.4	6
8	Agnostic Framework for the Classification/Identification of Organisms Based on RNA Post-Transcriptional Modifications. Analytical Chemistry, 2021, 93, 7860-7869.	6.5	1
9	Reservoir hosts experiencing food stress alter transmission dynamics for a zoonotic pathogen. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210881.	2.6	6
10	West Nile virus is predicted to be more geographically widespread in New York State and Connecticut under future climate change. Global Change Biology, 2021, 27, 5430-5445.	9.5	11
11	Zika virus infects Aedes aegypti ovaries. Virology, 2021, 561, 58-64.	2.4	10
12	Experimental Evolution of West Nile Virus at Higher Temperatures Facilitates Broad Adaptation and Increased Genetic Diversity. Viruses, 2021, 13, 1889.	3.3	8
13	A Chemical Strategy for Intracellular Arming of an Endogenous Broad-Spectrum Antiviral Nucleotide. Journal of Medicinal Chemistry, 2021, 64, 15429-15439.	6.4	6
14	Zika virus and temperature modulate Elizabethkingia anophelis in Aedes albopictus. Parasites and Vectors, 2021, 14, 573.	2.5	18
15	Heartland Virus Transmission, Suffolk County, New York, USA. Emerging Infectious Diseases, 2021, 27, 3128-3132.	4.3	22
16	Increased temperatures reduce the vectorial capacity of <i>Aedes</i> mosquitoes for Zika virus. Emerging Microbes and Infections, 2020, 9, 67-77.	6.5	37
17	Zika Virus Infection Results in Biochemical Changes Associated With RNA Editing, Inflammatory and Antiviral Responses in Aedes albopictus. Frontiers in Microbiology, 2020, 11, 559035.	3.5	6
18	Increase in temperature enriches heat tolerant taxa in Aedes aegypti midguts. Scientific Reports, 2020, 10, 19135.	3.3	25

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19	Transmission potential of Mayaro virus by Aedes albopictus, andÂAnopheles quadrimaculatus from the USA. Parasites and Vectors, 2020, 13, 613.	2.5	26
20	The Vector - Host - Pathogen Interface: The Next Frontier in the Battle Against Mosquito-Borne Viral Diseases?. Frontiers in Cellular and Infection Microbiology, 2020, 10, 564518.	3.9	10
21	Divergent Mutational Landscapes of Consensus and Minority Genotypes of West Nile Virus Demonstrate Host and Gene-Specific Evolutionary Pressures. Genes, 2020, 11, 1299.	2.4	7
22	Asian Zika Virus Isolate Significantly Changes the Transcriptional Profile and Alternative RNA Splicing Events in a Neuroblastoma Cell Line. Viruses, 2020, 12, 510.	3.3	25
23	West Nile Virus fidelity modulates the capacity for host cycling and adaptation. Journal of General Virology, 2020, 101, 410-419.	2.9	4
24	Reversion to ancestral Zika virus NS1 residues increases competence of Aedes albopictus. PLoS Pathogens, 2020, 16, e1008951.	4.7	9
25	Vector Competence of Aedes albopictus Populations from the Northeastern United States for Chikungunya, Dengue, and Zika Viruses. American Journal of Tropical Medicine and Hygiene, 2020, , .	1.4	16
26	Evolutionary dynamics and molecular epidemiology of West Nile virus in New York State: 1999â€“2015. Virus Evolution, 2019, 5, vez020.	4.9	14
27	Introduction, Spread, and Establishment of West Nile Virus in the Americas. Journal of Medical Entomology, 2019, 56, 1448-1455.	1.8	55
28	Vector Competence of <i>Aedes caspius</i> and <i>Ae. albopictus</i> Mosquitoes for Zika Virus, Spain. Emerging Infectious Diseases, 2019, 25, 346-348.	4.3	36
29	The role of co-infection and swarm dynamics in arbovirus transmission. Virus Research, 2019, 265, 88-93.	2.2	18
30	The Role of Temperature in Transmission of Zoonotic Arboviruses. Viruses, 2019, 11, 1013.	3.3	49
31	Adaptation of Rabensburg virus (RBGV) to vertebrate hosts by experimental evolution. Virology, 2019, 528, 30-36.	2.4	10
32	Factors Related to Aedes aegypti (Diptera: Culicidae) Populations and Temperature Determine Differences on Life-History Traits With Regional Implications in Disease Transmission. Journal of Medical Entomology, 2018, 55, 1105-1112.	1.8	13
33	Large-Scale Complete-Genome Sequencing and Phylodynamic Analysis of Eastern Equine Encephalitis Virus Reveals Source-Sink Transmission Dynamics in the United States. Journal of Virology, 2018, 92, .	3.4	31
34	Differing epidemiological dynamics of Chikungunya virus in the Americas during the 2014-2015 epidemic. PLoS Neglected Tropical Diseases, 2018, 12, e0006670.	3.0	23
35	Biological characterization of Aedes albopictus (Diptera: Culicidae) in Argentina: implications for arbovirus transmission. Scientific Reports, 2018, 8, 5041.	3.3	15
36	Differential Effects of Temperature and Mosquito Genetics Determine Transmissibility of Arboviruses by Aedes aegypti in Argentina. American Journal of Tropical Medicine and Hygiene, 2018, 99, 417-424.	1.4	26

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37	High levels of local inter- and intra-host genetic variation of West Nile virus and evidence of fine-scale evolutionary pressures. Infection, Genetics and Evolution, 2017, 51, 219-226.	2.3	16
38	West Nile virus and its vectors. Current Opinion in Insect Science, 2017, 22, 28-36.	4.4	54
39	Unreliable Inactivation of Viruses by Commonly Used Lysis Buffers. Applied Biosafety, 2017, 22, 56-59.	0.5	28
40	Effects of Zika Virus Strain and<i>Aedes</i>Mosquito Species on Vector Competence. Emerging Infectious Diseases, 2017, 23, 1110-1117.	4.3	133
41	Vertical Transmission of Zika Virus by<i>Aedes aegypti</i>and<i>Ae. albopictus</i>Mosquitoes. Emerging Infectious Diseases, 2017, 23, 880-882.	4.3	75
42	Mutagen resistance and mutation restriction of St. Louis encephalitis virus. Journal of General Virology, 2017, 98, 201-211.	2.9	22
43	Role of Inter- and Intra-host Genetics in Arbovirus Evolution. , 2016, , 167-174.		1
44	Exposure to West Nile Virus Increases Bacterial Diversity and Immune Gene Expression in Culex pipiens. Viruses, 2015, 7, 5619-5631.	3.3	52
45	Dissecting vectorial capacity for mosquito-borne viruses. Current Opinion in Virology, 2015, 15, 112-118.	5.4	156
46	West Nile virus adaptation to ixodid tick cells is associated with phenotypic trade-offs in primary hosts. Virology, 2015, 482, 128-132.	2.4	8
47	Sequence-Specific Fidelity Alterations Associated with West Nile Virus Attenuation in Mosquitoes. PLoS Pathogens, 2015, 11, e1005009.	4.7	57
48	The Effect of Temperature on Life History Traits of<i>Culex</i>Mosquitoes. Journal of Medical Entomology, 2014, 51, 55-62.	1.8	197
49	Consequences of in vitro host shift for St. Louis encephalitis virus. Journal of General Virology, 2014, 95, 1281-1288.	2.9	15
50	Increased Replicative Fitness of a Dengue Virus 2 Clade in Native Mosquitoes: Potential Contribution to a Clade Replacement Event in Nicaragua. Journal of Virology, 2014, 88, 13125-13134.	3.4	39
51	The evolution of virulence of West Nile virus in a mosquito vector: implications for arbovirus adaptation and evolution. BMC Evolutionary Biology, 2013, 13, 71.	3.2	36
52	Vector-Virus Interactions and Transmission Dynamics of West Nile Virus. Viruses, 2013, 5, 3021-3047.	3.3	119
53	The effect of hybridization of Culex pipiens complex mosquitoes on transmission of West Nile virus. Parasites and Vectors, 2013, 6, 305.	2.5	59
54	Dispersal of<i>Culex</i>Mosquitoes (Diptera: Culicidae) From a Wastewater Treatment Facility. Journal of Medical Entomology, 2012, 49, 35-42.	1.8	55

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55	Cooperative interactions in the West Nile virus mutant swarm. BMC Evolutionary Biology, 2012, 12, 58.	3.2	55
56	Characterization of Rabensburg Virus, a Flavivirus Closely Related to West Nile Virus of the Japanese Encephalitis Antigenic Group. PLoS ONE, 2012, 7, e39387.	2.5	36
57	Quantification of intrahost bottlenecks of West Nile virus in Culex pipiens mosquitoes using an artificial mutant swarm. Infection, Genetics and Evolution, 2012, 12, 557-564.	2.3	48
58	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. Virology, 2012, 427, 18-24.	2.4	33
59	Emergence of Culex pipiens from Overwintering Hibernacula. Journal of the American Mosquito Control Association, 2011, 27, 21-29.	0.7	22
60	The costs of infection and resistance as determinants of West Nile virus susceptibility in Culex mosquitoes. BMC Ecology, 2011, 11, 23.	3.0	34
61	Temporal and spatial alterations in mutant swarm size of St. Louis encephalitis virus in mosquito hosts. Infection, Genetics and Evolution, 2011, 11, 460-468.	2.3	13
62	Insights into Arbovirus Evolution and Adaptation from Experimental Studies. Viruses, 2010, 2, 2594-2617.	3.3	79
63	Experimental Passage of St. Louis Encephalitis Virus In Vivo in Mosquitoes and Chickens Reveals Evolutionarily Significant Virus Characteristics. PLoS ONE, 2009, 4, e7876.	2.5	47
64	West Nile virus infection of Drosophila melanogaster induces a protective RNAi response. Virology, 2008, 377, 197-206.	2.4	99
65	Characterization of mosquito-adapted West Nile virus. Journal of General Virology, 2008, 89, 1633-1642.	2.9	48
66	Adaptation of two flaviviruses results in differences in genetic heterogeneity and virus adaptability. Journal of General Virology, 2007, 88, 2398-2406.	2.9	41
67	Role of the mutant spectrum in adaptation and replication of West Nile virus. Journal of General Virology, 2007, 88, 865-874.	2.9	83
68	Cell-specific adaptation of two flaviviruses following serial passage in mosquito cell culture. Virology, 2007, 357, 165-174.	2.4	77