James Weger-Lucarelli

List of Publications by Year
in descending order

53 papers	2,328 citations	236925 25 h-index	243625 44 g-index
65 all docs	65 docs citations	65 times ranked	3871 citing authors

#	Article	IF	Citations
1	Zika Virus Infection in Mice Causes Panuveitis with Shedding of Virus in Tears. Cell Reports, 2016, 16, 3208-3218.	6.4	243
2	An Immunocompetent Mouse Model of Zika Virus Infection. Cell Host and Microbe, 2018, 23, 672-685.e6.	11.0	192
3	Vector Competence of American Mosquitoes for Three Strains of Zika Virus. PLoS Neglected Tropical Diseases, 2016, 10, e0005101.	3.0	172
4	Impact of simultaneous exposure to arboviruses on infection and transmission by Aedes aegypti mosquitoes. Nature Communications, 2017, 8, 15412.	12.8	164
5	Genetic Drift during Systemic Arbovirus Infection of Mosquito Vectors Leads to Decreased Relative Fitness during Host Switching. Cell Host and Microbe, 2016, 19, 481-492.	11.0	125
6	West African Anopheles gambiae mosquitoes harbor a taxonomically diverse virome including new insect-specific flaviviruses, mononegaviruses, and totiviruses. Virology, 2016, 498, 288-299.	2.4	112
7	Development and Characterization of Recombinant Virus Generated from a New World Zika Virus Infectious Clone. Journal of Virology, 2017, 91, .	3.4	91
8	The Pro-Inflammatory Chemokines CXCL9, CXCL10 and CXCL11 Are Upregulated Following SARS-CoV-2 Infection in an AKT-Dependent Manner. Viruses, 2021, 13, 1062.	3.3	88
9	Rapid and specific detection of Asian- and African-lineage Zika viruses. Science Translational Medicine, 2017, 9, .	12.4	86
10	A selective sweep in the Spike gene has driven SARS-CoV-2 human adaptation. Cell, 2021, 184, 4392-4400.e4.	28.9	69
11	Mosquitoes Transmit Unique West Nile Virus Populations during Each Feeding Episode. Cell Reports, 2017, 19, 709-718.	6.4	67
12	A Novel MVA Vectored Chikungunya Virus Vaccine Elicits Protective Immunity in Mice. PLoS Neglected Tropical Diseases, 2014, 8, e2970.	3.0	47
13	Small RNA responses of Culex mosquitoes and cell lines during acute and persistent virus infection. Insect Biochemistry and Molecular Biology, 2019, 109, 13-23.	2.7	47
14	Mutations present in a low-passage Zika virus isolate result in attenuated pathogenesis in mice. Virology, 2019, 530, 19-26.	2.4	45
15	Co-Infection Patterns in Individual Ixodes scapularis Ticks Reveal Associations between Viral, Eukaryotic and Bacterial Microorganisms. Viruses, 2018, 10, 388.	3.3	44
16	American Aedes vexans Mosquitoes are Competent Vectors of Zika Virus. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1338-1340.	1.4	44
17	Using barcoded Zika virus to assess virus population structure in vitro and in Aedes aegypti mosquitoes. Virology, 2018, 521, 138-148.	2.4	43
18	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. PLoS Pathogens, 2018, 14, e1006964.	4.7	38

#	Article	IF	Citations
19	Variation in competence for ZIKV transmission by Aedes aegypti and Aedes albopictus in Mexico. PLoS Neglected Tropical Diseases, 2018, 12, e0006599.	3.0	36
20	Chikungunya Virus Overcomes Polyamine Depletion by Mutation of nsP1 and the Opal Stop Codon To Confer Enhanced Replication and Fitness. Journal of Virology, 2017, 91, .	3.4	35
21	Host nutritional status affects alphavirus virulence, transmission, and evolution. PLoS Pathogens, 2019, 15, e1008089.	4.7	34
22	Mosquito-borne and sexual transmission of Zika virus: Recent developments and future directions. Virus Research, 2018, 254, 1-9.	2.2	33
23	Defective viral genomes as therapeutic interfering particles against flavivirus infection in mammalian and mosquito hosts. Nature Communications, 2021, 12, 2290.	12.8	32
24	Taking a bite out of nutrition and arbovirus infection. PLoS Neglected Tropical Diseases, 2018, 12, e0006247.	3.0	31
25	Adventitious viruses persistently infect three commonly used mosquito cell lines. Virology, 2018, 521, 175-180.	2.4	29
26	Identifying the Role of E2 Domains on Alphavirus Neutralization and Protective Immune Responses. PLoS Neglected Tropical Diseases, 2015, 9, e0004163.	3.0	29
27	Chikungunya Virus Vaccine Candidates with Decreased Mutational Robustness Are Attenuated<i>In Vivo</i>and Have Compromised Transmissibility. Journal of Virology, 2019, 93, .	3.4	27
28	Dissecting the Role of E2 Protein Domains in Alphavirus Pathogenicity. Journal of Virology, 2016, 90, 2418-2433.	3.4	26
29	The Use of Xenosurveillance to Detect Human Bacteria, Parasites, and Viruses in Mosquito Bloodmeals. American Journal of Tropical Medicine and Hygiene, 2017, 97, 324-329.	1.4	26
30	Defective viral genomes from chikungunya virus are broad-spectrum antivirals and prevent virus dissemination in mosquitoes. PLoS Pathogens, 2021, 17, e1009110.	4.7	23
31	A reverse-transcription/RNase H based protocol for depletion of mosquito ribosomal RNA facilitates viral intrahost evolution analysis, transcriptomics and pathogen discovery. Virology, 2019, 528, 181-197.	2.4	21
32	Infectious cDNA clones of two strains of Mayaro virus for studies on viral pathogenesis and vaccine development. Virology, 2019, 535, 227-231.	2.4	20
33	Fatty acid synthase and stearoyl-CoA desaturase-1 are conserved druggable cofactors of Old World Alphavirus genome replication. Antiviral Research, 2019, 172, 104642.	4.1	20
34	Xenosurveillance reflects traditional sampling techniques for the identification of human pathogens: A comparative study in West Africa. PLoS Neglected Tropical Diseases, 2018, 12, e0006348.	3.0	20
35	Noble Metal Organometallic Complexes Display Antiviral Activity against SARS-CoV-2. Viruses, 2021, 13, 980.	3.3	15
36	Nutritional status impacts dengue virus infection in mice. BMC Biology, 2020, 18, 106.	3.8	14

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37	Genome Number and Size Polymorphism in Zika Virus Infectious Units. Journal of Virology, 2021, 95, .	3.4	14
38	Chikungunya virus superinfection exclusion is mediated by a block in viral replication and does not rely on non-structural protein 2. PLoS ONE, 2020, 15, e0241592.	2.5	12
39	Development and characterization of infectious clones of two strains of Usutu virus. Virology, 2021, 554, 28-36.	2.4	11
40	Impact of extrinsic incubation temperature on natural selection during Zika virus infection of Aedes aegypti and Aedes albopictus. PLoS Pathogens, 2021, 17, e1009433.	4.7	11
41	Rapid Evolution of Enhanced Zika Virus Virulence during Direct Vertebrate Transmission Chains. Journal of Virology, 2021, 95, .	3.4	10
42	Comparison of two DNA extraction methods from larvae, pupae, and adults of Aedes aegypti. Heliyon, 2019, 5, e02660.	3.2	9
43	Rolling circle amplification: A high fidelity and efficient alternative to plasmid preparation for the rescue of infectious clones. Virology, 2020, 551, 58-63.	2.4	9
44	Enemy of My Enemy: A Novel Insect-Specific Flavivirus Offers a Promising Platform for a Zika Virus Vaccine. Vaccines, 2021, 9, 1142.	4.4	9
45	Rescue and Characterization of Recombinant Virus from a New World Zika Virus Infectious Clone. Journal of Visualized Experiments, 2017, , .	0.3	8
46	Stabilization of a Broadly Neutralizing Anti-Chikungunya Virus Single Domain Antibody. Frontiers in Medicine, 2021, 8, 626028.	2.6	8
47	Adenovirus transduction to express human ACE2 causes obesity-specific morbidity in mice, impeding studies on the effect of host nutritional status on SARS-CoV-2 pathogenesis. Virology, 2021, 563, 98-106.	2.4	6
48	American Aedes japonicus japonicus, Culex pipiens pipiens, and Culex restuans mosquitoes have limited transmission capacity for a recent isolate of Usutu virus. Virology, 2021, 555, 64-70.	2.4	5
49	Bivalent single domain antibody constructs for effective neutralization of Venezuelan equine encephalitis. Scientific Reports, 2022, 12, 700.	3.3	2
50	Host nutritional status affects alphavirus virulence, transmission, and evolution. , 2019, 15, e1008089.		0
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