James Weger-Lucarelli

List of Publications by Year
in descending order

53 papers	2,328 citations	270111 25 h-index	274796 44 g-index
65 all docs	65 docs citations	65 times ranked	4172 citing authors

#	Article	IF	Citations
1	Bivalent single domain antibody constructs for effective neutralization of Venezuelan equine encephalitis. Scientific Reports, 2022, 12, 700.	1.6	2
2	Development and characterization of infectious clones of two strains of Usutu virus. Virology, 2021, 554, 28-36.	1.1	11
3	Stabilization of a Broadly Neutralizing Anti-Chikungunya Virus Single Domain Antibody. Frontiers in Medicine, 2021, 8, 626028.	1.2	8
4	Defective viral genomes from chikungunya virus are broad-spectrum antivirals and prevent virus dissemination in mosquitoes. PLoS Pathogens, 2021, 17, e1009110.	2.1	23
5	Genome Number and Size Polymorphism in Zika Virus Infectious Units. Journal of Virology, 2021, 95, .	1.5	14
6	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.	1.1	5
7	Rapid Evolution of Enhanced Zika Virus Virulence during Direct Vertebrate Transmission Chains. Journal of Virology, 2021, 95, .	1.5	10
8	Defective viral genomes as therapeutic interfering particles against flavivirus infection in mammalian and mosquito hosts. Nature Communications, 2021, 12, 2290.	5.8	32
9	Noble Metal Organometallic Complexes Display Antiviral Activity against SARS-CoV-2. Viruses, 2021, 13, 980.	1.5	15
10	The Pro-Inflammatory Chemokines CXCL9, CXCL10 and CXCL11 Are Upregulated Following SARS-CoV-2 Infection in an AKT-Dependent Manner. Viruses, 2021, 13, 1062.	1.5	88
11	A selective sweep in the Spike gene has driven SARS-CoV-2 human adaptation. Cell, 2021, 184, 4392-4400.e4.	13.5	69
12	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.	1.1	6
13	Enemy of My Enemy: A Novel Insect-Specific Flavivirus Offers a Promising Platform for a Zika Virus Vaccine. Vaccines, 2021, 9, 1142.	2.1	9
14	Impact of extrinsic incubation temperature on natural selection during Zika virus infection of Aedes aegypti and Aedes albopictus. PLoS Pathogens, 2021, 17, e1009433.	2.1	11
15	Rolling circle amplification: A high fidelity and efficient alternative to plasmid preparation for the rescue of infectious clones. Virology, 2020, 551, 58-63.	1.1	9
16	Nutritional status impacts dengue virus infection in mice. BMC Biology, 2020, 18, 106.	1.7	14
17	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.	1.1	12
18	Infectious cDNA clones of two strains of Mayaro virus for studies on viral pathogenesis and vaccine development. Virology, 2019, 535, 227-231.	1.1	20

#	Article	IF	Citations
19	Chikungunya Virus Vaccine Candidates with Decreased Mutational Robustness Are AttenuatedIn Vivoand Have Compromised Transmissibility. Journal of Virology, 2019, 93, .	1.5	27
20	Comparison of two DNA extraction methods from larvae, pupae, and adults of Aedes aegypti. Heliyon, 2019, 5, e02660.	1.4	9
21	Host nutritional status affects alphavirus virulence, transmission, and evolution. PLoS Pathogens, 2019, 15, e1008089.	2.1	34
22	Fatty acid synthase and stearoyl-CoA desaturase-1 are conserved druggable cofactors of Old World Alphavirus genome replication. Antiviral Research, 2019, 172, 104642.	1.9	20
23	Small RNA responses of Culex mosquitoes and cell lines during acute and persistent virus infection. Insect Biochemistry and Molecular Biology, 2019, 109, 13-23.	1.2	47
24	Mutations present in a low-passage Zika virus isolate result in attenuated pathogenesis in mice. Virology, 2019, 530, 19-26.	1.1	45
25	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.	1.1	21
26	Host nutritional status affects alphavirus virulence, transmission, and evolution. , 2019, 15, e1008089.		0
27	Host nutritional status affects alphavirus virulence, transmission, and evolution. , 2019, 15, e1008089.		0
28	Host nutritional status affects alphavirus virulence, transmission, and evolution. , 2019, 15, e1008089.		0
29	Host nutritional status affects alphavirus virulence, transmission, and evolution. , 2019, 15, e1008089.		0
30	Mosquito-borne and sexual transmission of Zika virus: Recent developments and future directions. Virus Research, 2018, 254, 1-9.	1.1	33
31	Adventitious viruses persistently infect three commonly used mosquito cell lines. Virology, 2018, 521, 175-180.	1.1	29
32	Co-Infection Patterns in Individual Ixodes scapularis Ticks Reveal Associations between Viral, Eukaryotic and Bacterial Microorganisms. Viruses, 2018, 10, 388.	1.5	44
33	Variation in competence for ZIKV transmission by Aedes aegypti and Aedes albopictus in Mexico. PLoS Neglected Tropical Diseases, 2018, 12, e0006599.	1.3	36
34	An Immunocompetent Mouse Model of Zika Virus Infection. Cell Host and Microbe, 2018, 23, 672-685.e6.	5.1	192
35	Using barcoded Zika virus to assess virus population structure in vitro and in Aedes aegypti mosquitoes. Virology, 2018, 521, 138-148.	1.1	43
36	Taking a bite out of nutrition and arbovirus infection. PLoS Neglected Tropical Diseases, 2018, 12, e0006247.	1.3	31

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37	Xenosurveillance reflects traditional sampling techniques for the identification of human pathogens: A comparative study in West Africa. PLoS Neglected Tropical Diseases, 2018, 12, e0006348.	1.3	20
38	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. PLoS Pathogens, 2018, 14, e1006964.	2.1	38
39	Rapid and specific detection of Asian- and African-lineage Zika viruses. Science Translational Medicine, 2017, 9, .	5.8	86
40	Mosquitoes Transmit Unique West Nile Virus Populations during Each Feeding Episode. Cell Reports, 2017, 19, 709-718.	2.9	67
41	Impact of simultaneous exposure to arboviruses on infection and transmission by Aedes aegypti mosquitoes. Nature Communications, 2017, 8, 15412.	5.8	164
42	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, .	1.5	35
43	Rescue and Characterization of Recombinant Virus from a New World Zika Virus Infectious Clone. Journal of Visualized Experiments, 2017, , .	0.2	8
44	Development and Characterization of Recombinant Virus Generated from a New World Zika Virus Infectious Clone. Journal of Virology, 2017, 91, .	1.5	91
45	American Aedes vexans Mosquitoes are Competent Vectors of Zika Virus. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1338-1340.	0.6	44
46	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.	0.6	26
47	Vector Competence of American Mosquitoes for Three Strains of Zika Virus. PLoS Neglected Tropical Diseases, 2016, 10, e0005101.	1.3	172
48	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.	5.1	125
49	Zika Virus Infection in Mice Causes Panuveitis with Shedding of Virus in Tears. Cell Reports, 2016, 16, 3208-3218.	2.9	243
50	West African Anopheles gambiae mosquitoes harbor a taxonomically diverse virome including new insect-specific flaviviruses, mononegaviruses, and totiviruses. Virology, 2016, 498, 288-299.	1.1	112
51	Dissecting the Role of E2 Protein Domains in Alphavirus Pathogenicity. Journal of Virology, 2016, 90, 2418-2433.	1.5	26
52	Identifying the Role of E2 Domains on Alphavirus Neutralization and Protective Immune Responses. PLoS Neglected Tropical Diseases, 2015, 9, e0004163.	1.3	29
53	A Novel MVA Vectored Chikungunya Virus Vaccine Elicits Protective Immunity in Mice. PLoS Neglected Tropical Diseases, 2014, 8, e2970.	1.3	47