

James Weger-Lucarelli

List of Publications by Year in descending order

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Version: 2024-02-01

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	Bivalent single domain antibody constructs for effective neutralization of Venezuelan equine encephalitis. <i>Scientific Reports</i> , 2022, 12, 700.	3.3	2
2	Development and characterization of infectious clones of two strains of Usutu virus. <i>Virology</i> , 2021, 554, 28-36.	2.4	11
3	Stabilization of a Broadly Neutralizing Anti-Chikungunya Virus Single Domain Antibody. <i>Frontiers in Medicine</i> , 2021, 8, 626028.	2.6	8
4	Defective viral genomes from chikungunya virus are broad-spectrum antivirals and prevent virus dissemination in mosquitoes. <i>PLoS Pathogens</i> , 2021, 17, e1009110.	4.7	23
5	Genome Number and Size Polymorphism in Zika Virus Infectious Units. <i>Journal of Virology</i> , 2021, 95, .	3.4	14
6	American <i>Aedes japonicus japonicus</i> , <i>Culex pipiens pipiens</i> , and <i>Culex restuans</i> mosquitoes have limited transmission capacity for a recent isolate of Usutu virus. <i>Virology</i> , 2021, 555, 64-70.	2.4	5
7	Rapid Evolution of Enhanced Zika Virus Virulence during Direct Vertebrate Transmission Chains. <i>Journal of Virology</i> , 2021, 95, .	3.4	10
8	Defective viral genomes as therapeutic interfering particles against flavivirus infection in mammalian and mosquito hosts. <i>Nature Communications</i> , 2021, 12, 2290.	12.8	32
9	Noble Metal Organometallic Complexes Display Antiviral Activity against SARS-CoV-2. <i>Viruses</i> , 2021, 13, 980.	3.3	15
10	The Pro-Inflammatory Chemokines CXCL9, CXCL10 and CXCL11 Are Upregulated Following SARS-CoV-2 Infection in an AKT-Dependent Manner. <i>Viruses</i> , 2021, 13, 1062.	3.3	88
11	A selective sweep in the Spike gene has driven SARS-CoV-2 human adaptation. <i>Cell</i> , 2021, 184, 4392-4400.e4.	28.9	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. <i>Virology</i> , 2021, 563, 98-106.	2.4	6
13	Enemy of My Enemy: A Novel Insect-Specific Flavivirus Offers a Promising Platform for a Zika Virus Vaccine. <i>Vaccines</i> , 2021, 9, 1142.	4.4	9
14	Impact of extrinsic incubation temperature on natural selection during Zika virus infection of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009433.	4.7	11
15	Rolling circle amplification: A high fidelity and efficient alternative to plasmid preparation for the rescue of infectious clones. <i>Virology</i> , 2020, 551, 58-63.	2.4	9
16	Nutritional status impacts dengue virus infection in mice. <i>BMC Biology</i> , 2020, 18, 106.	3.8	14
17	Chikungunya virus superinfection exclusion is mediated by a block in viral replication and does not rely on non-structural protein 2. <i>PLoS ONE</i> , 2020, 15, e0241592.	2.5	12
18	Infectious cDNA clones of two strains of Mayaro virus for studies on viral pathogenesis and vaccine development. <i>Virology</i> , 2019, 535, 227-231.	2.4	20

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19	Chikungunya Virus Vaccine Candidates with Decreased Mutational Robustness Are Attenuated <i>In Vivo</i> and Have Compromised Transmissibility. <i>Journal of Virology</i> , 2019, 93, .	3.4	27
20	Comparison of two DNA extraction methods from larvae, pupae, and adults of <i>Aedes aegypti</i> . <i>Heliyon</i> , 2019, 5, e02660.	3.2	9
21	Host nutritional status affects alphavirus virulence, transmission, and evolution. <i>PLoS Pathogens</i> , 2019, 15, e1008089.	4.7	34
22	Fatty acid synthase and stearoyl-CoA desaturase-1 are conserved druggable cofactors of Old World Alphavirus genome replication. <i>Antiviral Research</i> , 2019, 172, 104642.	4.1	20
23	Small RNA responses of <i>Culex</i> mosquitoes and cell lines during acute and persistent virus infection. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 13-23.	2.7	47
24	Mutations present in a low-passage Zika virus isolate result in attenuated pathogenesis in mice. <i>Virology</i> , 2019, 530, 19-26.	2.4	45
25	A reverse-transcription/RNase H based protocol for depletion of mosquito ribosomal RNA facilitates viral intrahost evolution analysis, transcriptomics and pathogen discovery. <i>Virology</i> , 2019, 528, 181-197.	2.4	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. <i>Virus Research</i> , 2018, 254, 1-9.	2.2	33
31	Adventitious viruses persistently infect three commonly used mosquito cell lines. <i>Virology</i> , 2018, 521, 175-180.	2.4	29
32	Co-Infection Patterns in Individual <i>Ixodes scapularis</i> Ticks Reveal Associations between Viral, Eukaryotic and Bacterial Microorganisms. <i>Viruses</i> , 2018, 10, 388.	3.3	44
33	Variation in competence for ZIKV transmission by <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006599.	3.0	36
34	An Immunocompetent Mouse Model of Zika Virus Infection. <i>Cell Host and Microbe</i> , 2018, 23, 672-685.e6.	11.0	192
35	Using barcoded Zika virus to assess virus population structure <i>in vitro</i> and in <i>Aedes aegypti</i> mosquitoes. <i>Virology</i> , 2018, 521, 138-148.	2.4	43
36	Taking a bite out of nutrition and arbovirus infection. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006247.	3.0	31

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37	Xenosurveillance reflects traditional sampling techniques for the identification of human pathogens: A comparative study in West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006348.	3.0	20
38	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. <i>PLoS Pathogens</i> , 2018, 14, e1006964.	4.7	38
39	Rapid and specific detection of Asian- and African-lineage Zika viruses. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	86
40	Mosquitoes Transmit Unique West Nile Virus Populations during Each Feeding Episode. <i>Cell Reports</i> , 2017, 19, 709-718.	6.4	67
41	Impact of simultaneous exposure to arboviruses on infection and transmission by <i>Aedes aegypti</i> mosquitoes. <i>Nature Communications</i> , 2017, 8, 15412.	12.8	164
42	Chikungunya Virus Overcomes Polyamine Depletion by Mutation of nsP1 and the Opal Stop Codon To Confer Enhanced Replication and Fitness. <i>Journal of Virology</i> , 2017, 91, .	3.4	35
43	Rescue and Characterization of Recombinant Virus from a New World Zika Virus Infectious Clone. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8
44	Development and Characterization of Recombinant Virus Generated from a New World Zika Virus Infectious Clone. <i>Journal of Virology</i> , 2017, 91, .	3.4	91
45	American <i>Aedes vexans</i> Mosquitoes are Competent Vectors of Zika Virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 96, 1338-1340.	1.4	44
46	The Use of Xenosurveillance to Detect Human Bacteria, Parasites, and Viruses in Mosquito Bloodmeals. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 324-329.	1.4	26
47	Vector Competence of American Mosquitoes for Three Strains of Zika Virus. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005101.	3.0	172
48	Genetic Drift during Systemic Arbovirus Infection of Mosquito Vectors Leads to Decreased Relative Fitness during Host Switching. <i>Cell Host and Microbe</i> , 2016, 19, 481-492.	11.0	125
49	Zika Virus Infection in Mice Causes Panuveitis with Shedding of Virus in Tears. <i>Cell Reports</i> , 2016, 16, 3208-3218.	6.4	243
50	West African <i>Anopheles gambiae</i> mosquitoes harbor a taxonomically diverse virome including new insect-specific flaviviruses, mononegaviruses, and totiviruses. <i>Virology</i> , 2016, 498, 288-299.	2.4	112
51	Dissecting the Role of E2 Protein Domains in Alphavirus Pathogenicity. <i>Journal of Virology</i> , 2016, 90, 2418-2433.	3.4	26
52	Identifying the Role of E2 Domains on Alphavirus Neutralization and Protective Immune Responses. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004163.	3.0	29
53	A Novel MVA Vectors Chikungunya Virus Vaccine Elicits Protective Immunity in Mice. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2970.	3.0	47