Scott C Weaver

List of Publications by Year
in descending order

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		2975	5394
499	39,537	93	164
papers	citations	h-index	g-index

537	537	537	31411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seroepidemiological Reconstruction of Long-term Chikungunya Virus Circulation in Burkina Faso and Gabon. Journal of Infectious Diseases, 2023, 227, 261-267.	4.0	4
2	Outbreak of coronavirus disease 2019 (COVID-19) among operating room staff of a tertiary referral center: An epidemiologic and environmental investigation. Infection Control and Hospital Epidemiology, 2022, 43, 319-325.	1.8	2
3	The N501Y spike substitution enhances SARS-CoV-2 infection and transmission. Nature, 2022, 602, 294-299.	27.8	364
4	Neutralization against Omicron SARS-CoV-2 from previous non-Omicron infection. Nature Communications, 2022, 13, 852.	12.8	92
5	VLDLR and ApoER2 are receptors for multiple alphaviruses. Nature, 2022, 602, 475-480.	27.8	49
6	A Comparison of Seegene Technologies Novaplex SARS-CoV-2 Variants I, II, and IV Assays with Spike Gene Sequencing for Detection of Known Severe Acute Respiratory Syndrome Coronavirus 2 Variants. Journal of Molecular Diagnostics, 2022, , .	2.8	8
7	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	27.8	117
8	Phenotypic and Kinetic Changes of Myeloid Lineage Cells in Innate Response to Chikungunya Infection in Cynomolgus Macaques. Viral Immunology, 2022, 35, 192-199.	1.3	2
9	Aedes aegypti Shows Increased Susceptibility to Zika Virus via Both In Vitro and In Vivo Models of Type II Diabetes. Viruses, 2022, 14, 665.	3.3	3
10	Impact of COVID-19 on the Vector-Borne Disease Research and Applied Public Health Workforce in the United States. American Journal of Tropical Medicine and Hygiene, 2022, 106, 1003-1004.	1.4	3
11	BNT162b2-elicited neutralization of Delta plus, Lambda, Mu, B.1.1.519, and Theta SARS-CoV-2 variants. Npj Vaccines, 2022, 7, 41.	6.0	4
12	Delta spike P681R mutation enhances SARS-CoV-2 fitness over Alpha variant. Cell Reports, 2022, 39, 110829.	6.4	214
13	Clearance of Persistent SARS-CoV-2 RNA Detection in a NFÎºB-Deficient Patient in Association with the Ingestion of Human Breast Milk: A Case Report. Viruses, 2022, 14, 1042.	3.3	1
14	Nucleocapsid mutations in SARS-CoV-2 augment replication and pathogenesis. PLoS Pathogens, 2022, 18, e1010627.	4.7	85
15	Arthritogenic alphaviruses: epidemiological and clinical perspective on emerging arboviruses. Lancet Infectious Diseases, The, 2021, 21, e123-e133.	9.1	38
16	Spike mutation D614G alters SARS-CoV-2 fitness. Nature, 2021, 592, 116-121.	27.8	1,380
17	Changes in the dynamics of dengue incidence in South and Central America are possibly due to crossâ€population immunity after Zika virus epidemics. Tropical Medicine and International Health, 2021, 26, 272-280.	2.3	11
18	Acute Respiratory Distress in Aged, SARS-CoV-2â€“Infected African Green Monkeys but Not Rhesus Macaques. American Journal of Pathology, 2021, 191, 274-282.	3.8	123

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19	Microbial interactions in the mosquito gut determine Serratia colonization and blood-feeding propensity. ISME Journal, 2021, 15, 93-108.	9.8	45
20	Optimized production and immunogenicity of an insect virus-based chikungunya virus candidate vaccine in cell culture and animal models. Emerging Microbes and Infections, 2021, 10, 305-316.	6.5	9
21	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. Nature, 2021, 591, 293-299.	27.8	579
22	Role of mutational reversions and fitness restoration in Zika virus spread to the Americas. Nature Communications, 2021, 12, 595.	12.8	29
23	Neutralization of SARS-CoV-2 spike 69/70 deletion, E484K and N501Y variants by BNT162b2 vaccine-elicited sera. Nature Medicine, 2021, 27, 620-621.	30.7	562
24	Inhibition of innate immune response ameliorates Zika virus-induced neurogenesis deficit in human neural stem cells. PLoS Neglected Tropical Diseases, 2021, 15, e0009183.	3.0	6
25	The variant gambit: COVID-19â€™s next move. Cell Host and Microbe, 2021, 29, 508-515.	11.0	305
26	Neutralizing Activity of BNT162b2-Elicited Serum. New England Journal of Medicine, 2021, 384, 1466-1468.	27.0	528
27	A trans-complementation system for SARS-CoV-2 recapitulates authentic viral replication without virulence. Cell, 2021, 184, 2229-2238.e13.	28.9	51
28	IMMUNO-COV v2.0: Development and Validation of a High-Throughput Clinical Assay for Measuring SARS-CoV-2-Neutralizing Antibody Titers. MSphere, 2021, 6, e0017021.	2.9	18
29	Antiviral activity of oleandrin and a defined extract of Nerium oleander against SARS-CoV-2. Biomedicine and Pharmacotherapy, 2021, 138, 111457.	5.6	23
30	BNT162b2-elicited neutralization of B.1.617 and other SARS-CoV-2 variants. Nature, 2021, 596, 273-275.	27.8	318
31	First report of epidemic dengue fever and malaria co-infections among internally displaced persons in humanitarian camps of North Darfur, Sudan. International Journal of Infectious Diseases, 2021, 108, 513-516.	3.3	16
32	Yellow Fever Outbreak in Eastern Senegal, 2020â€“2021. Viruses, 2021, 13, 1475.	3.3	15
33	BNT162b2-Elicited Neutralization against New SARS-CoV-2 Spike Variants. New England Journal of Medicine, 2021, 385, 472-474.	27.0	93
34	The Emergence of Rift Valley Fever in Gedaref State Urges the Need for a Cross-Border One Health Strategy and Enforcement of the International Health Regulations. Pathogens, 2021, 10, 885.	2.8	18
35	Chikungunya virus molecular evolution in India since its re-emergence in 2005. Virus Evolution, 2021, 7, veab074.	4.9	3
36	Tiled-ClickSeq for targeted sequencing of complete coronavirus genomes with simultaneous capture of RNA recombination and minority variants. ELife, 2021, 10, .	6.0	22

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37	Designing multivalent immunogens for alphavirus vaccine optimization. Virology, 2021, 561, 117-124.	2.4	3
38	Isolation of a novel insect-specific flavivirus with immunomodulatory effects in vertebrate systems. Virology, 2021, 562, 50-62.	2.4	14
39	Population bottlenecks and founder effects: implications for mosquito-borne arboviral emergence. Nature Reviews Microbiology, 2021, 19, 184-195.	28.6	51
40	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
41	Clusters of SARS-CoV-2 Lineage B.1.1.7 Infection after Vaccination with Adenovirus-Vectored and Inactivated Vaccines. Viruses, 2021, 13, 2127.	3.3	6
42	The first laboratory-confirmed imported infections of SARS-CoV-2 in Sudan. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2021, 115, 103-109.	1.8	9
43	Mouse-adapted SARS-CoV-2 protects animals from lethal SARS-CoV challenge. PLoS Biology, 2021, 19, e3001284.	5.6	54
44	Lineage Divergence and Vector-Specific Adaptation Have Driven Chikungunya Virus onto Multiple Adaptive Landscapes. MBio, 2021, 12, e0273821.	4.1	8
45	Mucosal vaccination induces protection against SARS-CoV-2 in the absence of detectable neutralizing antibodies. Npj Vaccines, 2021, 6, 139.	6.0	8
46	The pigtail macaque (Macaca nemestrina) model of COVID-19 reproduces diverse clinical outcomes and reveals new and complex signatures of disease. PLoS Pathogens, 2021, 17, e1010162.	4.7	11
47	Chikungunya Virus: Role of Vectors in Emergence from Enzootic Cycles. Annual Review of Entomology, 2020, 65, 313-332.	11.8	34
48	Evaluation of two commercially available chikungunya virus IgM enzyme-linked immunoassays (ELISA) in a setting of concomitant transmission of chikungunya, dengue and Zika viruses. International Journal of Infectious Diseases, 2020, 91, 38-43.	3.3	17
49	Dianke virus: A new mesonivirus species isolated from mosquitoes in Eastern Senegal. Virus Research, 2020, 275, 197802.	2.2	8
50	Zika Virus Infection â€" After the Pandemic. New England Journal of Medicine, 2020, 382, e3.	27.0	9
51	Clinical and Serological Findings of Madariaga and Venezuelan Equine Encephalitis Viral Infections: A Follow-up Study 5 Years After an Outbreak in Panama. Open Forum Infectious Diseases, 2020, 7, ofaa359.	0.9	12
52	Unique Outbreak of Rift Valley Fever in Sudan, 2019. Emerging Infectious Diseases, 2020, 26, 3030-3033.	4.3	29
53	A Zika virus envelope mutation preceding the 2015 epidemic enhances virulence and fitness for transmission. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20190-20197.	7.1	53
54	Rationally Attenuated Vaccines for Venezuelan Equine Encephalitis Protect Against Epidemic Strains with a Single Dose. Vaccines, 2020, 8, 497.	4.4	6

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55	Decontamination of SARS-CoV-2 and Other RNA Viruses from N95 Level Meltblown Polypropylene Fabric Using Heat under Different Humidities. ACS Nano, 2020, 14, 14017-14025.	14.6	69
56	Persistence of Severe Acute Respiratory Syndrome Coronavirus 2 in Aerosol Suspensions. Emerging Infectious Diseases, 2020, 26, 2168-2171.	4.3	293
57	Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States. Emerging Infectious Diseases, 2020, 26, 1266-1273.	4.3	523
58	Vector Competence Analyses on Aedes aegypti Mosquitoes using Zika Virus. Journal of Visualized Experiments, 2020, , .	0.3	1
59	Peli1 signaling blockade attenuates congenital zika syndrome. PLoS Pathogens, 2020, 16, e1008538.	4.7	13
60	Sylvatic Mosquito Diversity in Kenyaâ€"Considering Enzootic Ecology of Arboviruses in an Era of Deforestation. Insects, 2020, 11, 342.	2.2	5
61	Influence of herd immunity in the cyclical nature of arboviruses. Current Opinion in Virology, 2020, 40, 1-10.	5.4	36
62	In-depth characterization of a novel live-attenuated Mayaro virus vaccine candidate using an immunocompetent mouse model of Mayaro disease. Scientific Reports, 2020, 10, 5306.	3.3	13
63	Role of microglia in the dissemination of Zika virus from mother to fetal brain. PLoS Neglected Tropical Diseases, 2020, 14, e0008413.	3.0	27
64	â€œSubmergenceâ€•of Western equine encephalitis virus: Evidence of positive selection argues against genetic drift and fitness reductions. PLoS Pathogens, 2020, 16, e1008102.	4.7	30
65	Arrangement of the Polymerase Complexes inside a Nine-Segmented dsRNA Virus. Structure, 2020, 28, 604-612.e3.	3.3	10
66	Venezuelan equine encephalitis vaccine with rearranged genome resists reversion and protects non-human primates from viremia after aerosol challenge. Vaccine, 2020, 38, 3378-3386.	3.8	18
67	Changes in the Transmission Dynamic of Chikungunya Virus in Southeastern Senegal. Viruses, 2020, 12, 196.	3.3	6
68	An Infectious cDNA Clone of SARS-CoV-2. Cell Host and Microbe, 2020, 27, 841-848.e3.	11.0	617
69	Incrimination of mosquito vectors. Nature Microbiology, 2020, 5, 232-233.	13.3	5
70	Risks and Challenges of Arboviral Diseases in Sudan: The Urgent Need for Actions. Viruses, 2020, 12, 81.	3.3	35
71	Chikungunya Outbreaks in India: A Prospective Study Comparing Neutralization and Sequelae during Two Outbreaks in 2010 and 2016. American Journal of Tropical Medicine and Hygiene, 2020, 102, 857-868.	1.4	11
72	Endemic and Epidemic Human Alphavirus Infections in Eastern Panama: An Analysis of Population-Based Cross-Sectional Surveys. American Journal of Tropical Medicine and Hygiene, 2020, 103, 2429-2437.	1.4	20

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73	Barrita Virus, a Novel Virus of the Patois Serogroup (Genus Orthobunyavirus; Family) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	1.4	1
74	Recent Expansion of Mosquito-Borne Pathogens Into Texas. , 2020, , 339-358.		0
75	Chikungunya Case Classification after the Experience with Dengue Classification: How Much Time Will We Lose?. American Journal of Tropical Medicine and Hygiene, 2020, 102, 257-259.	1.4	3
76	Pharmacological approaches to the treatment of COVID-19 patients. Journal of Translational Science, 2020, 6, .	0.2	0
77	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
78	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
79	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
80	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
81	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
82	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
83	Genetic stability of live-attenuated Zika vaccine candidates. Antiviral Research, 2019, 171, 104596.	4.1	6
84	Approach to Strain Selection and the Propagation of Viral Stocks for Venezuelan Equine Encephalitis Virus Vaccine Efficacy Testing under the Animal Rule. Viruses, 2019, 11, 807.	3.3	10
85	Vector Competence: What Has Zika Virus Taught Us?. Viruses, 2019, 11, 867.	3.3	45
86	2018 international meeting of the Global Virus Network. Antiviral Research, 2019, 163, 140-148.	4.1	9
87	Scientistsâ€™ warning to humanity: microorganisms and climate change. Nature Reviews Microbiology, 2019, 17, 569-586.	28.6	1,138
88	Electron Microscopy in Discovery of Novel and Emerging Viruses from the Collection of the World Reference Center for Emerging Viruses and Arboviruses (WRCEVA). Viruses, 2019, 11, 477.	3.3	10
89	Immunogenicity and Efficacy of a Measles Virus-Vectored Chikungunya Vaccine in Nonhuman Primates. Journal of Infectious Diseases, 2019, 220, 735-742.	4.0	45
90	An adjuvanted adenovirus 5-based vaccine elicits neutralizing antibodies and protects mice against chikungunya virus-induced footpad swelling. Vaccine, 2019, 37, 3146-3150.	3.8	13

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91	Vector-borne transmission and evolution of Zika virus. Nature Ecology and Evolution, 2019, 3, 561-569.	7.8	96
92	Guild-level responses of bats to habitat conversion in a lowland Amazonian rainforest: species composition and biodiversity. Journal of Mammalogy, 2019, 100, 223-238.	1.3	13
93	Adverse event following live attenuated chikungunya vaccine in a cynomolgus macaque with preâ€existing chronic hydrocephalus. Journal of Medical Primatology, 2019, 48, 257-259.	0.6	1
94	Naturally infected Aedes aegypti collected during a Zika virus outbreak have viral titres consistent with transmission. Emerging Microbes and Infections, 2019, 8, 242-244.	6.5	14
95	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. Science, 2019, 363, 607-610.	12.6	202
96	Protective immunity by an engineered DNA vaccine for Mayaro virus. PLoS Neglected Tropical Diseases, 2019, 13, e0007042.	3.0	35
97	Potential for sylvatic and urban Aedes mosquitoes from Senegal to transmit the new emerging dengue serotypes 1, 3 and 4 in West Africa. PLoS Neglected Tropical Diseases, 2019, 13, e0007043.	3.0	26
98	Maternal vaccination and protective immunity against Zika virus vertical transmission. Nature Communications, 2019, 10, 5677.	12.8	32
99	Effects of Chikungunya virus immunity on Mayaro virus disease and epidemic potential. Scientific Reports, 2019, 9, 20399.	3.3	35
100	Concomitant Transmission of Dengue, Chikungunya, and Zika Viruses in Brazil: Clinical and Epidemiological Findings From Surveillance for Acute Febrile Illness. Clinical Infectious Diseases, 2019, 69, 1353-1359.	5.8	85
101	Biodiversity Pattern of Mosquitoes in Southeastern Senegal, Epidemiological Implication in Arbovirus and Malaria Transmission. Journal of Medical Entomology, 2019, 56, 453-463.	1.8	10
102	Strengthening the Interaction of the Virology Community with the International Committee on Taxonomy of Viruses (ICTV) by Linking Virus Names and Their Abbreviations to Virus Species. Systematic Biology, 2019, 68, 828-839.	5.6	11
103	Chikungunya as a paradigm for emerging viral diseases: Evaluating disease impact and hurdles to vaccine development. PLoS Neglected Tropical Diseases, 2019, 13, e0006919.	3.0	71
104	From Surveillance To Control: Evaluation of A Larvicide Intervention Against Aedes aegypti In Brownsville, Texas. Journal of the American Mosquito Control Association, 2019, 35, 233-237.	0.7	6
105	Chikungunya Virus Strains Show Lineage-Specific Variations in Virulence and Cross-Protective Ability in Murine and Nonhuman Primate Models. MBio, 2018, 9, .	4.1	79
106	Low-fidelity Venezuelan equine encephalitis virus polymerase mutants to improve live-attenuated vaccine safety and efficacy. Virus Evolution, 2018, 4, vey004.	4.9	21
107	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
108	Can Zika virus antibodies cross-protect against dengue virus? â€“ Authors' reply. The Lancet Global Health, 2018, 6, e495.	6.3	7

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109	Does immunity after Zika virus infection cross-protect against dengue?. The Lancet Global Health, 2018, 6, e140-e141.	6.3	68
110	An evolutionary NS1 mutation enhances Zika virus evasion of host interferon induction. Nature Communications, 2018, 9, 414.	12.8	231
111	Zika, dengue and yellow fever viruses induce differential anti-viral immune responses in human monocytic and first trimester trophoblast cells. Antiviral Research, 2018, 151, 55-62.	4.1	40
112	Role of monkeys in the sylvatic cycle of chikungunya virus in Senegal. Nature Communications, 2018, 9, 1046.	12.8	56
113	Chikungunya Outbreak in Kedougou, Southeastern Senegal in 2009â€“2010. Open Forum Infectious Diseases, 2018, 5, ofx259.	0.9	24
114	The reintroduction of DENV-2 in 2011 in Panama and subsequent outbreak characteristic. Acta Tropica, 2018, 177, 58-65.	2.0	3
115	Zika, Chikungunya, and Other Emerging Vector-Borne Viral Diseases. Annual Review of Medicine, 2018, 69, 395-408.	12.2	313
116	Novel Insect-Specific Eilat Virus-Based Chimeric Vaccine Candidates Provide Durable, Mono- and Multivalent, Single-Dose Protection against Lethal Alphavirus Challenge. Journal of Virology, 2018, 92, .	3.4	44
117	ZIKV Demonstrates Minimal Pathologic Effects and Mosquito Infectivity in Viremic Cynomolgus Macaques. Viruses, 2018, 10, 661.	3.3	9
118	A Single-Dose Live-Attenuated Zika Virus Vaccine with Controlled Infection Rounds that Protects against Vertical Transmission. Cell Host and Microbe, 2018, 24, 487-499.e5.	11.0	46
119	A single-dose plasmid-launched live-attenuated Zika vaccine induces protective immunity. EBioMedicine, 2018, 36, 92-102.	6.1	37
120	A recombinant virus vaccine that protects against both Chikungunya and Zika virus infections. Vaccine, 2018, 36, 3894-3900.	3.8	35
121	Chikungunya virus evolution following a large 3â€²UTR deletion results in host-specific molecular changes in protein-coding regions. Virus Evolution, 2018, 4, vey012.	4.9	24
122	Diagnostic performance of commercial IgM and IgG enzyme-linked immunoassays (ELISAs) for diagnosis of Zika virus infection. Virology Journal, 2018, 15, 108.	3.4	37
123	Ecological niche modeling of Aedes mosquito vectors of chikungunya virus in southeastern Senegal. Parasites and Vectors, 2018, 11, 255.	2.5	35
124	Neutralizing Antibodies Inhibit Chikungunya Virus Budding at the Plasma Membrane. Cell Host and Microbe, 2018, 24, 417-428.e5.	11.0	56
125	Epizootic Outbreak of Yellow Fever Virus and Risk for Human Disease in Salvador, Brazil. Annals of Internal Medicine, 2018, 168, 301.	3.9	18
126	Colonized Sabethes cyaneus, a Sylvatic New World Mosquito Species, Shows a Low Vector Competence for Zika Virus Relative to Aedes aegypti. Viruses, 2018, 10, 434.	3.3	23

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127	Prediction and prevention of urban arbovirus epidemics: A challenge for the global virology community. Antiviral Research, 2018, 156, 80-84.	4.1	42
128	ICTV Virus Taxonomy Profile: Togaviridae. Journal of General Virology, 2018, 99, 761-762.	2.9	122
129	Experimental Zika Virus Infection of Neotropical Primates. American Journal of Tropical Medicine and Hygiene, 2018, 98, 173-177.	1.4	38
130	Prevention Practices among United States Pregnant Women Who Travel to Zika Outbreak Areas. American Journal of Tropical Medicine and Hygiene, 2018, 98, 178-180.	1.4	3
131	Human and Equine Infection with Alphaviruses and Flaviviruses in PanamÃ¡ during 2010: A Cross-Sectional Study of Household Contacts during an Encephalitis Outbreak. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1798-1804.	1.4	34
132	African and Asian Zika Virus Isolates Display Phenotypic Differences Both In Vitro and In Vivo. American Journal of Tropical Medicine and Hygiene, 2018, 98, 432-444.	1.4	65
133	Bunyavirus Taxonomy: Limitations and Misconceptions Associated with the Current ICTV Criteria Used for Species Demarcation. American Journal of Tropical Medicine and Hygiene, 2018, 99, 11-16.	1.4	21
134	Emergence of Epidemic Zika Virus Transmission and Congenital Zika Syndrome: Are Recently Evolved Traits to Blame?. MBio, 2017, 8, .	4.1	49
135	A cDNA Clone-Launched Platform for High-Yield Production of Inactivated Zika Vaccine. EBioMedicine, 2017, 17, 145-156.	6.1	39
136	Differential Responses of Human Fetal Brain Neural Stem Cells to Zika Virus Infection. Stem Cell Reports, 2017, 8, 715-727.	4.8	115
137	Recombinant Isfahan Virus and Vesicular Stomatitis Virus Vaccine Vectors Provide Durable, Multivalent, Single-Dose Protection against Lethal Alphavirus Challenge. Journal of Virology, 2017, 91, .	3.4	16
138	Understanding Zika Virus Stability and Developing a Chimeric Vaccine through Functional Analysis. MBio, 2017, 8, .	4.1	76
139	A live-attenuated Zika virus vaccine candidate induces sterilizing immunity in mouse models. Nature Medicine, 2017, 23, 763-767.	30.7	242
140	Insect-Specific Viruses. Advances in Virus Research, 2017, 98, 119-146.	2.1	58
141	Host oxidative folding pathways offer novel anti-chikungunya virus drug targets with broad spectrum potential. Antiviral Research, 2017, 143, 246-251.	4.1	26
142	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. Antiviral Research, 2017, 144, 223-246.	4.1	104
143	Flavivirus transmission focusing on Zika. Current Opinion in Virology, 2017, 22, 30-35.	5.4	87
144	A chikungunya fever vaccine utilizing an insect-specific virus platform. Nature Medicine, 2017, 23, 192-199.	30.7	105

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145	Epidemic arboviral diseases: priorities for research and public health. Lancet Infectious Diseases, The, 2017, 17, e101-e106.	9.1	394
146	Functional Analysis of Glycosylation of Zika Virus Envelope Protein. Cell Reports, 2017, 21, 1180-1190.	6.4	118
147	Oâ€™nyong-nyong fever: a neglected mosquito-borne viral disease. Pathogens and Global Health, 2017, 111, 271-275.	2.3	84
148	A single-dose live-attenuated vaccine prevents Zika virus pregnancy transmission and testis damage. Nature Communications, 2017, 8, 676.	12.8	125
149	Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. Cell, 2017, 170, 273-283.e12.	28.9	224
150	Biotechnological Applications of an Insect-Specific Alphavirus. DNA and Cell Biology, 2017, 36, 1045-1049.	1.9	8
151	Viral Retinopathy in Experimental Models of Zika Infection. , 2017, 58, 4355.		50
152	Variation inAedes aegyptiMosquito Competence for Zika Virus Transmission. Emerging Infectious Diseases, 2017, 23, 625-632.	4.3	147
153	Lack of evidence for Zika virus transmission by Culex mosquitoes. Emerging Microbes and Infections, 2017, 6, 1-2.	6.5	24
154	Effect of an intervention in storm drains to prevent Aedes aegypti reproduction in Salvador, Brazil. Parasites and Vectors, 2017, 10, 328.	2.5	15
155	Zika Virus Vector Competency of Mosquitoes, Gulf Coast, United States. Emerging Infectious Diseases, 2017, 23, 559-560.	4.3	37
156	Alphaviruses in Latin America and the Introduction of Chikungunya Virus. , 2017, , 169-192.		10
157	Evolution and spread of Venezuelan equine encephalitis complex alphavirus in the Americas. PLoS Neglected Tropical Diseases, 2017, 11, e0005693.	3.0	56
158	Enzootic mosquito vector species at equine encephalitis transmission foci in the RepÃºblica de PanamÃ¡. PLoS ONE, 2017, 12, e0185491.	2.5	20
159	Differential Vector Competency of Aedes albopictus Populations from the Americas for Zika Virus. American Journal of Tropical Medicine and Hygiene, 2017, 97, 330-339.	1.4	72
160	Knowledge and Prevention Practices among U.S. Pregnant Immigrants from Zika Virus Outbreak Areas. American Journal of Tropical Medicine and Hygiene, 2017, 97, 155-162.	1.4	27
161	Enzootic Circulation of Chikungunya Virus in East Africa: Serological Evidence in Non-human Kenyan Primates. American Journal of Tropical Medicine and Hygiene, 2017, 97, 1399-1404.	1.4	31
162	Serologic Evidence of Various Arboviruses Detected in White-Tailed Deer (Odocoileus virginianus) in the United States. American Journal of Tropical Medicine and Hygiene, 2017, 97, 319-323.	1.4	21

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163	Epidemiology of Emergent Madariaga Encephalitis in a Region with Endemic Venezuelan Equine Encephalitis: Initial Host Studies and Human Cross-Sectional Study in Darien, Panama. PLoS Neglected Tropical Diseases, 2016, 10, e0004554.	3.0	49
164	Potential for Zika Virus to Establish a Sylvatic Transmission Cycle in the Americas. PLoS Neglected Tropical Diseases, 2016, 10, e0005055.	3.0	89
165	Rapid, Affordable and Portable Medium-Throughput Molecular Device for Zika Virus. Scientific Reports, 2016, 6, 38223.	3.3	51
166	Experimental Zika Virus Infection in a Neotropical Primate Model. Open Forum Infectious Diseases, 2016, 3, .	0.9	2
167	Interaction of Chikungunya Virus with the Mosquito Vector. , 2016, , 99-126.		0
168	Development of Vaccines for Chikungunya Fever. Journal of Infectious Diseases, 2016, 214, S488-S496.	4.0	57
169	Characterization of a Novel Murine Model to Study Zika Virus. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1362-1369.	1.4	417
170	An Infectious cDNA Clone of Zika Virus to Study Viral Virulence, Mosquito Transmission, and Antiviral Inhibitors. Cell Host and Microbe, 2016, 19, 891-900.	11.0	252
171	DNA-launched live-attenuated vaccines for biodefense applications. Expert Review of Vaccines, 2016, 15, 1223-1234.	4.4	20
172	Alignment algorithms and per-particle CTF correction for single particle cryo-electron tomography. Journal of Structural Biology, 2016, 194, 383-394.	2.8	42
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