Scott C Weaver

List of Publications by Year
in descending order

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499 papers	39,537 citations	2963 93 h-index	5364 164 g-index
537 all docs	537 docs citations	537 times ranked	31411 citing authors

#	Article	IF	Citations
1	Spike mutation D614G alters SARS-CoV-2 fitness. Nature, 2021, 592, 116-121.	13.7	1,380
2	Present and future arboviral threats. Antiviral Research, 2010, 85, 328-345.	1.9	1,162
3	Scientistsâ€™ warning to humanity: microorganisms and climate change. Nature Reviews Microbiology, 2019, 17, 569-586.	13.6	1,138
4	Chikungunya Virus and the Global Spread of a Mosquito-Borne Disease. New England Journal of Medicine, 2015, 372, 1231-1239.	13.9	678
5	An Infectious cDNA Clone of SARS-CoV-2. Cell Host and Microbe, 2020, 27, 841-848.e3.	5.1	617
6	Genetic Characterization of Zika Virus Strains: Geographic Expansion of the Asian Lineage. PLoS Neglected Tropical Diseases, 2012, 6, e1477.	1.3	611
7	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. Nature, 2021, 591, 293-299.	13.7	579
8	Zika virus: History, emergence, biology, and prospects for control. Antiviral Research, 2016, 130, 69-80.	1.9	571
9	Neutralization of SARS-CoV-2 spike 69/70 deletion, E484K and N501Y variants by BNT162b2 vaccine-elicited sera. Nature Medicine, 2021, 27, 620-621.	15.2	562
10	Transmission cycles, host range, evolution and emergence of arboviral disease. Nature Reviews Microbiology, 2004, 2, 789-801.	13.6	543
11	Neutralizing Activity of BNT162b2-Elicited Serum. New England Journal of Medicine, 2021, 384, 1466-1468.	13.9	528
12	Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States. Emerging Infectious Diseases, 2020, 26, 1266-1273.	2.0	523
13	Re-emergence of chikungunya and oâ€™nyong-nyong viruses: evidence for distinct geographical lineages and distant evolutionary relationships. Microbiology (United Kingdom), 2000, 81, 471-479.	0.7	504
14	Characterization of a Novel Murine Model to Study Zika Virus. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1362-1369.	0.6	417
15	VENEZUELANEQUINEENCEPHALITIS. Annual Review of Entomology, 2004, 49, 141-174.	5.7	397
16	Epidemic arboviral diseases: priorities for research and public health. Lancet Infectious Diseases, The, 2017, 17, e101-e106.	4.6	394
17	The N501Y spike substitution enhances SARS-CoV-2 infection and transmission. Nature, 2022, 602, 294-299.	13.7	364
18	Molecular evolution of dengue viruses: Contributions of phylogenetics to understanding the history and epidemiology of the preeminent arboviral disease. Infection, Genetics and Evolution, 2009, 9, 523-540.	1.0	354

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19	Evolutionary Relationships of Endemic/Epidemic and Sylvatic Dengue Viruses. Journal of Virology, 2000, 74, 3227-3234.	1.5	341
20	Genome-Scale Phylogenetic Analyses of Chikungunya Virus Reveal Independent Emergences of Recent Epidemics and Various Evolutionary Rates. Journal of Virology, 2010, 84, 6497-6504.	1.5	332
21	Chikungunya: Evolutionary history and recent epidemic spread. Antiviral Research, 2015, 120, 32-39.	1.9	331
22	BNT162b2-elicited neutralization of B.1.617 and other SARS-CoV-2 variants. Nature, 2021, 596, 273-275.	13.7	318
23	Evolutionary Relationships and Systematics of the Alphaviruses. Journal of Virology, 2001, 75, 10118-10131.	1.5	316
24	Zika, Chikungunya, and Other Emerging Vector-Borne Viral Diseases. Annual Review of Medicine, 2018, 69, 395-408.	5.0	313
25	The variant gambit: COVID-19â€™s next move. Cell Host and Microbe, 2021, 29, 508-515.	5.1	305
26	Persistence of Severe Acute Respiratory Syndrome Coronavirus 2 in Aerosol Suspensions. Emerging Infectious Diseases, 2020, 26, 2168-2171.	2.0	293
27	Zika Virus Emergence in Mosquitoes in Southeastern Senegal, 2011. PLoS ONE, 2014, 9, e109442.	1.1	275
28	Fever from the forest: prospects for the continued emergence of sylvatic dengue virus and its impact on public health. Nature Reviews Microbiology, 2011, 9, 532-541.	13.6	274
29	Arrival of Chikungunya Virus in the New World: Prospects for Spread and Impact on Public Health. PLoS Neglected Tropical Diseases, 2014, 8, e2921.	1.3	271
30	Re-emergence of epidemic Venezuelan equine encephalomyelitis in South America. Lancet, The, 1996, 348, 436-440.	6.3	259
31	An Infectious cDNA Clone of Zika Virus to Study Viral Virulence, Mosquito Transmission, and Antiviral Inhibitors. Cell Host and Microbe, 2016, 19, 891-900.	5.1	252
32	A live-attenuated Zika virus vaccine candidate induces sterilizing immunity in mouse models. Nature Medicine, 2017, 23, 763-767.	15.2	242
33	An evolutionary NS1 mutation enhances Zika virus evasion of host interferon induction. Nature Communications, 2018, 9, 414.	5.8	231
34	Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. Cell, 2017, 170, 273-283.e12.	13.5	224
35	Genetic and Fitness Changes Accompanying Adaptation of an Arbovirus to Vertebrate and Invertebrate Cells. Journal of Virology, 1999, 73, 4316-4326.	1.5	222
36	Sequential Adaptive Mutations Enhance Efficient Vector Switching by Chikungunya Virus and Its Epidemic Emergence. PLoS Pathogens, 2011, 7, e1002412.	2.1	219

#	Article	IF	Citations
37	Delta spike P681R mutation enhances SARS-CoV-2 fitness over Alpha variant. Cell Reports, 2022, 39, 110829.	2.9	214
38	Insect-Specific Virus Discovery: Significance for the Arbovirus Community. Viruses, 2015, 7, 4911-4928.	1.5	211
39	Chikungunya virus emergence is constrained in Asia by lineage-specific adaptive landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7872-7877.	3.3	206
40	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. Science, 2019, 363, 607-610.	6.0	202
41	Chikungunya virus and prospects for a vaccine. Expert Review of Vaccines, 2012, 11, 1087-1101.	2.0	197
42	RNA viruses can hijack vertebrate microRNAs to suppress innate immunity. Nature, 2014, 506, 245-248.	13.7	195
43	Epistatic Roles of E2 Glycoprotein Mutations in Adaption of Chikungunya Virus to Aedes Albopictus and Ae. Aegypti Mosquitoes. PLoS ONE, 2009, 4, e6835.	1.1	184
44	Arbovirus evolution in vivo is constrained by host alternation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6970-6975.	3.3	182
45	Multi-peaked adaptive landscape for chikungunya virus evolution predicts continued fitness optimization in Aedes albopictus mosquitoes. Nature Communications, 2014, 5, 4084.	5.8	179
46	4.4 Ã... cryo-EM structure of an enveloped alphavirus Venezuelan equine encephalitis virus. EMBO Journal, 2011, 30, 3854-3863.	3.5	176
47	Outbreak of Zika Virus Infection, Chiapas State, Mexico, 2015, and First Confirmed Transmission byAedes aegyptiMosquitoes in the Americas. Journal of Infectious Diseases, 2016, 214, 1349-1356.	1.9	173
48	Urbanization and geographic expansion of zoonotic arboviral diseases: mechanisms and potential strategies for prevention. Trends in Microbiology, 2013, 21, 360-363.	3.5	171
49	Potential of selected Senegalese Aedes spp. mosquitoes (Diptera: Culicidae) to transmit Zika virus. BMC Infectious Diseases, 2015, 15, 492.	1.3	170
50	Negevirus: a Proposed New Taxon of Insect-Specific Viruses with Wide Geographic Distribution. Journal of Virology, 2013, 87, 2475-2488.	1.5	166
51	Chapter 1 The History and Evolution of Human Dengue Emergence. Advances in Virus Research, 2008, 72, 1-76.	0.9	163
52	Chimeric alphavirus vaccine candidates for chikungunya. Vaccine, 2008, 26, 5030-5039.	1.7	162
53	Eilat virus, a unique alphavirus with host range restricted to insects by RNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14622-14627.	3.3	161
54	Effects of Habitat Conversion on Temporal Activity Patterns of Phyllostomid Bats in Lowland Amazonian Rain Forest. Journal of Mammalogy, 2009, 90, 210-221.	0.6	159

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55	Venezuelan equine encephalitis emergence: Enhanced vector infection from a single amino acid substitution in the envelope glycoprotein. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11344-11349.	3.3	156
56	Eastern Equine Encephalomyelitis Virus: Epidemiology and Evolution of Mosquito Transmission. Advances in Virus Research, 1989, 37, 277-328.	0.9	153
57	Recombinational history and molecular evolution of western equine encephalomyelitis complex alphaviruses. Journal of Virology, 1997, 71, 613-623.	1.5	153
58	Fever versus fever: The role of host and vector susceptibility and interspecific competition in shaping the current and future distributions of the sylvatic cycles of dengue virus and yellow fever virus. Infection, Genetics and Evolution, 2013, 19, 292-311.	1.0	152
59	Novel Chikungunya Vaccine Candidate with an IRES-Based Attenuation and Host Range Alteration Mechanism. PLoS Pathogens, 2011, 7, e1002142.	2.1	148
60	Variation inAedes aegyptiMosquito Competence for Zika Virus Transmission. Emerging Infectious Diseases, 2017, 23, 625-632.	2.0	147
61	Mosquitoes Put the Brake on Arbovirus Evolution: Experimental Evolution Reveals Slower Mutation Accumulation in Mosquito Than Vertebrate Cells. PLoS Pathogens, 2009, 5, e1000467.	2.1	146
62	West Nile Virus in Mexico: Evidence of Widespread Circulation since July 2002.. Emerging Infectious Diseases, 2003, 9, 1604-1607.	2.0	142
63	Attenuation of Chikungunya Virus Vaccine Strain 181/Clone 25 Is Determined by Two Amino Acid Substitutions in the E2 Envelope Glycoprotein. Journal of Virology, 2012, 86, 6084-6096.	1.5	142
64	Endemic Venezuelan equine encephalitis in the Americas: hidden under the dengue umbrella. Future Virology, 2011, 6, 721-740.	0.9	139
65	Alphaviruses: Population genetics and determinants of emergence. Antiviral Research, 2012, 94, 242-257.	1.9	138
66	Chikungunya virus: evolution and genetic determinants of emergence. Current Opinion in Virology, 2011, 1, 310-317.	2.6	137
67	Chikungunya Virusâ€“Vector Interactions. Viruses, 2014, 6, 4628-4663.	1.5	130
68	Effect of Alternating Passage on Adaptation of Sindbis Virus to Vertebrate and Invertebrate Cells. Journal of Virology, 2005, 79, 14253-14260.	1.5	129
69	Genome-Scale Phylogeny of the Alphavirus Genus Suggests a Marine Origin. Journal of Virology, 2012, 86, 2729-2738.	1.5	128
70	A single-dose live-attenuated vaccine prevents Zika virus pregnancy transmission and testis damage. Nature Communications, 2017, 8, 676.	5.8	125
71	Factors shaping the adaptive landscape for arboviruses: implications for the emergence of disease. Future Microbiology, 2013, 8, 155-176.	1.0	124
72	Evolutionary and Ecological Characterization of Mayaro Virus Strains Isolated during an Outbreak, Venezuela, 2010. Emerging Infectious Diseases, 2015, 21, 1742-1750.	2.0	123

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73	A Multicomponent Animal Virus Isolated from Mosquitoes. Cell Host and Microbe, 2016, 20, 357-367.	5.1	123
74	Acute Respiratory Distress in Aged, SARS-CoV-2â€“Infected African Green Monkeys but Not Rhesus Macaques. American Journal of Pathology, 2021, 191, 274-282.	1.9	123
75	Venezuelan encephalitis emergence mediated by a phylogenetically predicted viral mutation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4994-4999.	3.3	122
76	ICTV Virus Taxonomy Profile: Togaviridae. Journal of General Virology, 2018, 99, 761-762.	1.3	122
77	Functional Analysis of Glycosylation of Zika Virus Envelope Protein. Cell Reports, 2017, 21, 1180-1190.	2.9	118
78	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
79	Genetic and antigenic diversity among eastern equine encephalitis viruses from North, Central, and South America.. American Journal of Tropical Medicine and Hygiene, 1999, 61, 579-586.	0.6	116
80	Phyllostomid Bats of Lowland Amazonia: Effects of Habitat Alteration on Abundance. Biotropica, 2007, 39, 737-746.	0.8	115
81	Differential Responses of Human Fetal Brain Neural Stem Cells to Zika Virus Infection. Stem Cell Reports, 2017, 8, 715-727.	2.3	115
82	Extreme fitness differences in mammalian and insect hosts after continuous replication of vesicular stomatitis virus in sandfly cells. Journal of Virology, 1995, 69, 6805-6809.	1.5	112
83	Genetic Variation in the 3â€² Non-Coding Region of Dengue Viruses. Virology, 2001, 281, 75-87.	1.1	111
84	Vector-Borne Transmission Imposes a Severe Bottleneck on an RNA Virus Population. PLoS Pathogens, 2012, 8, e1002897.	2.1	111
85	Analysis of Venezuelan Equine Encephalitis Virus Capsid Protein Function in the Inhibition of Cellular Transcription. Journal of Virology, 2007, 81, 13552-13565.	1.5	109
86	Evolutionary Influences in Arboviral Disease. Current Topics in Microbiology and Immunology, 2006, 299, 285-314.	0.7	108
87	Repeated emergence of epidemic/epizootic Venezuelan equine encephalitis from a single genotype of enzootic subtype ID virus. Journal of Virology, 1997, 71, 6697-6705.	1.5	108
88	Evolutionary Patterns of Eastern Equine Encephalitis Virus in North versus South America Suggest Ecological Differences and Taxonomic Revision. Journal of Virology, 2010, 84, 1014-1025.	1.5	107
89	A chikungunya fever vaccine utilizing an insect-specific virus platform. Nature Medicine, 2017, 23, 192-199.	15.2	105
90	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.	1.9	104

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91	Recombinant Sindbis/Venezuelan Equine Encephalitis Virus Is Highly Attenuated and Immunogenic. Journal of Virology, 2003, 77, 9278-9286.	1.5	101
92	Interspecies transmission and chikungunya virus emergence. Current Opinion in Virology, 2016, 16, 143-150.	2.6	101
93	Genetic Variation in Yellow Fever Virus: Duplication in the 3â€² Noncoding Region of Strains from Africa. Virology, 1996, 225, 274-281.	1.1	100
94	Emergence of a new epidemic/epizootic Venezuelan equine encephalitis virus in South America.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 5278-5281.	3.3	99
95	Landscape Ecology of Sylvatic Chikungunya Virus and Mosquito Vectors in Southeastern Senegal. PLoS Neglected Tropical Diseases, 2012, 6, e1649.	1.3	99
96	Ultrastructural Features of Epithelial Cell Degeneration in Rectal Crypts of Patients with AIDS. American Journal of Surgical Pathology, 1986, 10, 531-538.	2.1	96
97	Eastern Equine Encephalitis in Latin America. New England Journal of Medicine, 2013, 369, 732-744.	13.9	96
98	Vector-borne transmission and evolution of Zika virus. Nature Ecology and Evolution, 2019, 3, 561-569.	3.4	96
99	Whole-Genome Sequencing Analysis from the Chikungunya Virus Caribbean Outbreak Reveals Novel Evolutionary Genomic Elements. PLoS Neglected Tropical Diseases, 2016, 10, e0004402.	1.3	96
100	Positively Charged Amino Acid Substitutions in the E2 Envelope Glycoprotein Are Associated with the Emergence of Venezuelan Equine Encephalitis Virus. Journal of Virology, 2002, 76, 1718-1730.	1.5	94
101	Venezuelan equine encephalitis virus in the mosquito vector Aedes taeniorhynchus: Infection initiated by a small number of susceptible epithelial cells and a population bottleneck. Virology, 2008, 372, 176-186.	1.1	94
102	Characterization of Culex Flavivirus (Flaviviridae) strains isolated from mosquitoes in the United States and Trinidad. Virology, 2009, 386, 154-159.	1.1	94
103	Vaccines for Venezuelan equine encephalitis. Vaccine, 2009, 27, D80-D85.	1.7	94
104	Dengue Emergence and Adaptation to Peridomestic Mosquitoes. Emerging Infectious Diseases, 2004, 10, 1790-1796.	2.0	93
105	BNT162b2-Elicited Neutralization against New SARS-CoV-2 Spike Variants. New England Journal of Medicine, 2021, 385, 472-474.	13.9	93
106	Addressing the fertility needs of HIV-seropositive males. Future Virology, 2011, 6, 299-306.	0.9	92
107	Neutralization against Omicron SARS-CoV-2 from previous non-Omicron infection. Nature Communications, 2022, 13, 852.	5.8	92
108	A Comparison of the Nucleotide Sequences of Eastern and Western Equine Encephalomyelitis Viruses with Those of Other Alphaviruses and Related RNA Viruses. Virology, 1993, 197, 375-390.	1.1	89

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109	Squalamine as a broad-spectrum systemic antiviral agent with therapeutic potential. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15978-15983.	3.3	89
110	Potential for Zika Virus to Establish a Sylvatic Transmission Cycle in the Americas. PLoS Neglected Tropical Diseases, 2016, 10, e0005055.	1.3	89
111	IFIT1 Differentially Interferes with Translation and Replication of Alphavirus Genomes and Promotes Induction of Type I Interferon. PLoS Pathogens, 2015, 11, e1004863.	2.1	88
112	Flavivirus transmission focusing on Zika. Current Opinion in Virology, 2017, 22, 30-35.	2.6	87
113	GENETIC RELATIONSHIPS AMONG MAYARO AND UNA VIRUSES SUGGEST DISTINCT PATTERNS OF TRANSMISSION. American Journal of Tropical Medicine and Hygiene, 2006, 75, 461-469.	0.6	87
114	Phylogenetic analysis of alphaviruses in the venezuelan equine encephalitis complex and identification of the source of epizootic viruses. Virology, 1992, 191, 282-290.	1.1	86
115	Chikungunya Vaccine Candidate Is Highly Attenuated and Protects Nonhuman Primates Against Telemetrically Monitored Disease Following a Single Dose. Journal of Infectious Diseases, 2014, 209, 1891-1899.	1.9	86
116	POTENTIAL ROLE OF SYLVATIC AND DOMESTIC AFRICAN MOSQUITO SPECIES IN DENGUE EMERGENCE. American Journal of Tropical Medicine and Hygiene, 2005, 73, 445-449.	0.6	86
117	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.	2.9	85
118	Nucleocapsid mutations in SARS-CoV-2 augment replication and pathogenesis. PLoS Pathogens, 2022, 18, e1010627.	2.1	85
119	Direct broad-range detection of alphaviruses in mosquito extracts. Virology, 2007, 368, 286-295.	1.1	84
120	Emergence of Congenital Zika Syndrome: Viewpoint From the Front Lines. Annals of Internal Medicine, 2016, 164, 689.	2.0	84
121	Concurrent malaria and arbovirus infections in Kedougou, southeastern Senegal. Malaria Journal, 2016, 15, 47.	0.8	84
122	Oâ€™nyong-nyong fever: a neglected mosquito-borne viral disease. Pathogens and Global Health, 2017, 111, 271-275.	1.0	84
123	Cross-protective immunity against oâ€˜nyong-nyong virus afforded by a novel recombinant chikungunya vaccine. Vaccine, 2012, 30, 4638-4643.	1.7	83
124	The Molecular Epidemiology and Evolution of Epsteinâ€Barr Virus: Sequence Variation and Genetic Recombination in the Latent Membrane Proteinâ€1 Gene. Journal of Infectious Diseases, 1999, 179, 763-774.	1.9	82
125	Capsid Protein of Eastern Equine Encephalitis Virus Inhibits Host Cell Gene Expression. Journal of Virology, 2007, 81, 3866-3876.	1.5	81
126	Molecular evolution of eastern equine encephalomyelitis virus in North America. Virology, 1991, 182, 774-784.	1.1	80

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127	Phylogeny of the Simbu serogroup of the genus Bunyavirus. Journal of General Virology, 2001, 82, 2173-2181.	1.3	80
128	Impact of Climate and Mosquito Vector Abundance on Sylvatic Arbovirus Circulation Dynamics in Senegal. American Journal of Tropical Medicine and Hygiene, 2015, 92, 88-97.	0.6	80
129	Chikungunya Virus Strains Show Lineage-Specific Variations in Virulence and Cross-Protective Ability in Murine and Nonhuman Primate Models. MBio, 2018, 9, .	1.8	79
130	Potential of ancestral sylvatic dengue-2 viruses to re-emerge. Virology, 2007, 358, 402-412.	1.1	78
131	Chikungunya Virus 3â€² Untranslated Region: Adaptation to Mosquitoes and a Population Bottleneck as Major Evolutionary Forces. PLoS Pathogens, 2013, 9, e1003591.	2.1	78
132	Association of Venezuelan equine encephalitis virus subtype IE with two equine epizootics in Mexico.. American Journal of Tropical Medicine and Hygiene, 1998, 59, 100-107.	0.6	77
133	Serologic Evidence of Arboviral Infections among Humans in Kenya. American Journal of Tropical Medicine and Hygiene, 2011, 85, 158-161.	0.6	76
134	Zika Virus: Diagnosis, Therapeutics, and Vaccine. ACS Infectious Diseases, 2016, 2, 170-172.	1.8	76
135	Understanding Zika Virus Stability and Developing a Chimeric Vaccine through Functional Analysis. MBio, 2017, 8, .	1.8	76
136	Vector Infection Determinants of Venezuelan Equine Encephalitis Virus Reside within the E2 Envelope Glycoprotein. Journal of Virology, 2002, 76, 6387-6392.	1.5	74
137	Chimeric Sindbis/eastern equine encephalitis vaccine candidates are highly attenuated and immunogenic in mice. Vaccine, 2007, 25, 7573-7581.	1.7	73
138	Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866.	4.6	73
139	Eilat virus induces both homologous and heterologous interference. Virology, 2015, 484, 51-58.	1.1	72
140	Comprehensive Genome Scale Phylogenetic Study Provides New Insights on the Global Expansion of Chikungunya Virus. Journal of Virology, 2016, 90, 10600-10611.	1.5	72
141	Differential Vector Competency of Aedes albopictus Populations from the Americas for Zika Virus. American Journal of Tropical Medicine and Hygiene, 2017, 97, 330-339.	0.6	72
142	Genome Sequence and Attenuating Mutations in West Nile Virus Isolate from Mexico. Emerging Infectious Diseases, 2004, 10, 2221-2224.	2.0	71
143	Chikungunya as a paradigm for emerging viral diseases: Evaluating disease impact and hurdles to vaccine development. PLoS Neglected Tropical Diseases, 2019, 13, e0006919.	1.3	71
144	Characterization of a novel Negevirus and a novel Bunyavirus isolated from Culex (Culex) declarator mosquitoes in Trinidad. Journal of General Virology, 2014, 95, 481-485.	1.3	70

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145	The 5â€² and 3â€² ends of alphavirus RNAs â€“ Non-coding is not non-functional. Virus Research, 2015, 206, 99-107.	1.1	70
146	Introductions of West Nile Virus Strains to Mexico. Emerging Infectious Diseases, 2006, 12, 314-318.	2.0	69
147	Structural and Nonstructural Protein Genome Regions of Eastern Equine Encephalitis Virus Are Determinants of Interferon Sensitivity and Murine Virulence. Journal of Virology, 2008, 82, 4920-4930.	1.5	69
148	Identification of Dengue Fever Cases in Houston, Texas, with Evidence of Autochthonous Transmission Between 2003 and 2005. Vector-Borne and Zoonotic Diseases, 2013, 13, 835-845.	0.6	69
149	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.	7.3	69
150	Replication and Clearance of Venezuelan Equine Encephalitis Virus from the Brains of Animals Vaccinated with Chimeric SIN/VEE Viruses. Journal of Virology, 2006, 80, 2784-2796.	1.5	68
151	Does immunity after Zika virus infection cross-protect against dengue?. The Lancet Global Health, 2018, 6, e140-e141.	2.9	68
152	Molecular Epidemiological Studies of Veterinary Arboviral Encephalitides. Veterinary Journal, 1999, 157, 123-138.	0.6	67
153	Generation and Characterization of Closely Related Epizootic and Enzootic Infectious cDNA Clones for Studying Interferon Sensitivity and Emergence Mechanisms of Venezuelan Equine Encephalitis Virus. Journal of Virology, 2004, 78, 1-8.	1.5	67
154	Envelope Glycoprotein Mutations Mediate Equine Amplification and Virulence of Epizootic Venezuelan Equine Encephalitis Virus. Journal of Virology, 2005, 79, 9128-9133.	1.5	67
155	Host range, amplification and arboviral disease emergence. , 2005, , 33-44.		67
156	Deciphering the protective role of adaptive immunity to CHIKV/IRES a novel candidate vaccine against Chikungunya in the A129 mouse model. Vaccine, 2013, 31, 3353-3360.	1.7	67
157	Infection patterns of oâ€™nyong nyong virus in the malaria-transmitting mosquito, Anopheles gambiae. Insect Molecular Biology, 2004, 13, 625-635.	1.0	66
158	Variation in Interferon Sensitivity and Induction among Strains of Eastern Equine Encephalitis Virus. Journal of Virology, 2005, 79, 11300-11310.	1.5	66
159	Eilat Virus Host Range Restriction Is Present at Multiple Levels of the Virus Life Cycle. Journal of Virology, 2015, 89, 1404-1418.	1.5	66
160	Pathologic Changes in the Midgut of Culex tarsalis Following Infection with Western Equine Encephalomyelitis Virus. American Journal of Tropical Medicine and Hygiene, 1992, 47, 691-701.	0.6	66
161	ENDEMIC EASTERN EQUINE ENCEPHALITIS IN THE AMAZON REGION OF PERU. American Journal of Tropical Medicine and Hygiene, 2007, 76, 293-298.	0.6	66
162	Spatial Dispersion of Adult Mosquitoes (Diptera: Culicidae) in a Sylvatic Focus of Venezuelan Equine Encephalitis Virus. Journal of Medical Entomology, 2001, 38, 813-821.	0.9	65

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163	Endemic Venezuelan Equine Encephalitis in Northern Peru. Emerging Infectious Diseases, 2004, 10, 880-888.	2.0	65
164	Probing the attenuation and protective efficacy of a candidate chikungunya virus vaccine in mice with compromised interferon (IFN) signaling. Vaccine, 2011, 29, 3067-3073.	1.7	65
165	First isolation of Aedes flavivirus in the Western Hemisphere and evidence of vertical transmission in the mosquito Aedes (Stegomyia) albopictus (Diptera: Culicidae). Virology, 2013, 440, 134-139.	1.1	65
166	DNA Vaccine Initiates Replication of Live Attenuated Chikungunya Virus In Vitro and Elicits Protective Immune Response in Mice. Journal of Infectious Diseases, 2014, 209, 1882-1890.	1.9	65
167	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.	0.6	65
168	Nucleotide sequences and phylogeny of the nucleocapsid gene of Oropouche virus. Journal of General Virology, 2000, 81, 743-748.	1.3	64
169	Evolutionary Processes among Sylvatic Dengue Type 2 Viruses. Journal of Virology, 2007, 81, 9591-9595.	1.5	64
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