

# Chao Shan

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

6,554  
citations

101496

36  
h-index

74108

75  
g-index

89  
all docs

89  
docs citations

89  
times ranked

11083  
citing authors

#	ARTICLE	IF	CITATIONS
1	A human neutralizing antibody targets the receptor-binding site of SARS-CoV-2. <i>Nature</i> , 2020, 584, 120-124.	13.7	1,237
2	Pathogenesis of SARS-CoV-2 in Transgenic Mice Expressing Human Angiotensin-Converting Enzyme 2. <i>Cell</i> , 2020, 182, 50-58.e8.	13.5	502
3	AXL is a candidate receptor for SARS-CoV-2 that promotes infection of pulmonary and bronchial epithelial cells. <i>Cell Research</i> , 2021, 31, 126-140.	5.7	356
4	Evolutionary enhancement of Zika virus infectivity in <i>Aedes aegypti</i> mosquitoes. <i>Nature</i> , 2017, 545, 482-486.	13.7	318
5	An Infectious cDNA Clone of Zika Virus to Study Viral Virulence, Mosquito Transmission, and Antiviral Inhibitors. <i>Cell Host and Microbe</i> , 2016, 19, 891-900.	5.1	252
6	A live-attenuated Zika virus vaccine candidate induces sterilizing immunity in mouse models. <i>Nature Medicine</i> , 2017, 23, 763-767.	15.2	242
7	An evolutionary NS1 mutation enhances Zika virus evasion of host interferon induction. <i>Nature Communications</i> , 2018, 9, 414.	5.8	231
8	Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. <i>Cell</i> , 2017, 170, 273-283.e12.	13.5	224
9	An adenovirus-vectored COVID-19 vaccine confers protection from SARS-COV-2 challenge in rhesus macaques. <i>Nature Communications</i> , 2020, 11, 4207.	5.8	194
10	Infection with novel coronavirus (SARS-CoV-2) causes pneumonia in Rhesus macaques. <i>Cell Research</i> , 2020, 30, 670-677.	5.7	194
11	Zika virus has oncolytic activity against glioblastoma stem cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 2843-2857.	4.2	179
12	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. <i>Nucleic Acids Research</i> , 2016, 44, 8610-8620.	6.5	155
13	A single-dose live-attenuated vaccine prevents Zika virus pregnancy transmission and testis damage. <i>Nature Communications</i> , 2017, 8, 676.	5.8	125
14	Functional Analysis of Glycosylation of Zika Virus Envelope Protein. <i>Cell Reports</i> , 2017, 21, 1180-1190.	2.9	118
15	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. <i>Antiviral Research</i> , 2017, 144, 223-246.	1.9	104
16	Dengue subgenomic flaviviral RNA disrupts immunity in mosquito salivary glands to increase virus transmission. <i>PLoS Pathogens</i> , 2017, 13, e1006535.	2.1	101
17	Human IFIT3 Modulates IFIT1 RNA Binding Specificity and Protein Stability. <i>Immunity</i> , 2018, 48, 487-499.e5.	6.6	94
18	Envelope protein ubiquitination drives entry and pathogenesis of Zika virus. <i>Nature</i> , 2020, 585, 414-419.	13.7	82

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19	Zika Virus Vaccine: Progress and Challenges. <i>Cell Host and Microbe</i> , 2018, 24, 12-17.	5.1	81
20	Discovery of Dengue Virus NS4B Inhibitors. <i>Journal of Virology</i> , 2015, 89, 8233-8244.	1.5	77
21	Zika Virus Replicons for Drug Discovery. <i>EBioMedicine</i> , 2016, 12, 156-160.	2.7	77
22	Zika Virus: Diagnosis, Therapeutics, and Vaccine. <i>ACS Infectious Diseases</i> , 2016, 2, 170-172.	1.8	76
23	Understanding Zika Virus Stability and Developing a Chimeric Vaccine through Functional Analysis. <i>MBio</i> , 2017, 8, .	1.8	76
24	Treatment of Human Glioblastoma with a Live Attenuated Zika Virus Vaccine Candidate. <i>MBio</i> , 2018, 9, .	1.8	74
25	Crystal Structure of Enterovirus 71 RNA-Dependent RNA Polymerase Complexed with Its Protein Primer VPg: Implication for a <i>trans</i> Mechanism of VPg Uridylation. <i>Journal of Virology</i> , 2013, 87, 5755-5768.	1.5	66
26	A Zika virus vaccine expressing premembrane-envelope-NS1 polyprotein. <i>Nature Communications</i> , 2018, 9, 3067.	5.8	65
27	A SARS-CoV-2 neutralizing antibody with extensive Spike binding coverage and modified for optimal therapeutic outcomes. <i>Nature Communications</i> , 2021, 12, 2623.	5.8	64
28	Characterization of neutralizing antibody with prophylactic and therapeutic efficacy against SARS-CoV-2 in rhesus monkeys. <i>Nature Communications</i> , 2020, 11, 5752.	5.8	59
29	A Rapid Zika Diagnostic Assay to Measure Neutralizing Antibodies in Patients. <i>EBioMedicine</i> , 2017, 17, 157-162.	2.7	58
30	A Zika virus envelope mutation preceding the 2015 epidemic enhances virulence and fitness for transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20190-20197.	3.3	53
31	A Single-Dose Live-Attenuated Zika Virus Vaccine with Controlled Infection Rounds that Protects against Vertical Transmission. <i>Cell Host and Microbe</i> , 2018, 24, 487-499.e5.	5.1	46
32	Zika virus oncolytic activity requires CD8+ T cells and is boosted by immune checkpoint blockade. <i>JCI Insight</i> , 2021, 6, .	2.3	46
33	Enterovirus 71 VPg Uridylation Uses a Two-Molecular Mechanism of 3D Polymerase. <i>Journal of Virology</i> , 2012, 86, 13662-13671.	1.5	43
34	Did Zika Virus Mutate to Cause Severe Outbreaks?. <i>Trends in Microbiology</i> , 2018, 26, 877-885.	3.5	43
35	Recovery of a chemically synthesized Japanese encephalitis virus reveals two critical adaptive mutations in NS2B and NS4A. <i>Journal of General Virology</i> , 2014, 95, 806-815.	1.3	40
36	A cDNA Clone-Launched Platform for High-Yield Production of Inactivated Zika Vaccine. <i>EBioMedicine</i> , 2017, 17, 145-156.	2.7	39

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37	The Interface between Methyltransferase and Polymerase of NS5 Is Essential for Flavivirus Replication. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2891.	1.3	38
38	Fragile X mental retardation protein is a Zika virus restriction factor that is antagonized by subgenomic flaviviral RNA. <i>ELife</i> , 2018, 7, .	2.8	37
39	A single-dose plasmid-launched live-attenuated Zika vaccine induces protective immunity. <i>EBioMedicine</i> , 2018, 36, 92-102.	2.7	37
40	Evaluation of a Novel Reporter Virus Neutralization Test for Serological Diagnosis of Zika and Dengue Virus Infection. <i>Journal of Clinical Microbiology</i> , 2017, 55, 3028-3036.	1.8	35
41	Peli1 facilitates virus replication and promotes neuroinflammation during West Nile virus infection. <i>Journal of Clinical Investigation</i> , 2018, 128, 4980-4991.	3.9	34
42	Genetic and biochemical characterizations of Zika virus NS2A protein. <i>Emerging Microbes and Infections</i> , 2019, 8, 585-602.	3.0	32
43	Maternal vaccination and protective immunity against Zika virus vertical transmission. <i>Nature Communications</i> , 2019, 10, 5677.	5.8	32
44	Role of mutational reversions and fitness restoration in Zika virus spread to the Americas. <i>Nature Communications</i> , 2021, 12, 595.	5.8	29
45	Low toxicity and high immunogenicity of an inactivated vaccine candidate against COVID-19 in different animal models. <i>Emerging Microbes and Infections</i> , 2020, 9, 2606-2618.	3.0	28
46	Restriction of Zika Virus by Host Innate Immunity. <i>Cell Host and Microbe</i> , 2016, 19, 566-567.	5.1	27
47	Role of microglia in the dissemination of Zika virus from mother to fetal brain. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008413.	1.3	27
48	Generation of a recombinant West Nile virus stably expressing the Gaussia luciferase for neutralization assay. <i>Virus Research</i> , 2016, 211, 17-24.	1.1	25
49	Molecular basis of dengue virus serotype 2 morphological switch from 29°C to 37°C. <i>PLoS Pathogens</i> , 2019, 15, e1007996.	2.1	25
50	Small Molecules and Antibodies for Zika Therapy. <i>Journal of Infectious Diseases</i> , 2017, 216, S945-S950.	1.9	23
51	RBD-homodimer, a COVID-19 subunit vaccine candidate, elicits immunogenicity and protection in rodents and nonhuman primates. <i>Cell Discovery</i> , 2021, 7, 82.	3.1	22
52	Development of a stable Gaussia luciferase enterovirus 71 reporter virus. <i>Journal of Virological Methods</i> , 2015, 219, 62-66.	1.0	21
53	Zika virus infection elicits auto-antibodies to C1q. <i>Scientific Reports</i> , 2018, 8, 1882.	1.6	21
54	A mutation-mediated evolutionary adaptation of Zika virus in mosquito and mammalian host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19

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55	Topoisomerase III- $\hat{1}^2$ is required for efficient replication of positive-sense RNA viruses. <i>Antiviral Research</i> , 2020, 182, 104874.	1.9	17
56	Protective Efficacy of Inactivated Vaccine against SARS-CoV-2 Infection in Mice and Non-Human Primates. <i>Virologica Sinica</i> , 2021, 36, 879-889.	1.2	17
57	An attenuated Zika virus NS4B protein mutant is a potent inducer of antiviral immune responses. <i>Npj Vaccines</i> , 2019, 4, 48.	2.9	14
58	Using a Virion Assembly-Defective Dengue Virus as a Vaccine Approach. <i>Journal of Virology</i> , 2018, 92, .	1.5	13
59	Peli1 signaling blockade attenuates congenital zika syndrome. <i>PLoS Pathogens</i> , 2020, 16, e1008538.	2.1	13
60	A human antibody of potent efficacy against SARS-CoV-2 in rhesus macaques showed strong blocking activity to B.1.351. <i>MAbs</i> , 2021, 13, 1930636.	2.6	13
61	Zika structural genes determine the virulence of African and Asian lineages. <i>Emerging Microbes and Infections</i> , 2020, 9, 1023-1033.	3.0	11
62	Reverse Genetics of Zika Virus. <i>Methods in Molecular Biology</i> , 2017, 1602, 47-58.	0.4	10
63	Vesicular Stomatitis Virus and DNA Vaccines Expressing Zika Virus Nonstructural Protein 1 Induce Substantial but Not Sterilizing Protection against Zika Virus Infection. <i>Journal of Virology</i> , 2020, 94, .	1.5	10
64	Zika virus induces neuronal and vascular degeneration in developing mouse retina. <i>Acta Neuropathologica Communications</i> , 2021, 9, 97.	2.4	10
65	Potential Mechanisms for Enhanced Zika Epidemic and Disease. <i>ACS Infectious Diseases</i> , 2018, 4, 656-659.	1.8	9
66	mRNA based vaccines provide broad protection against different SARS-CoV-2 variants of concern. <i>Emerging Microbes and Infections</i> , 2022, 11, 1550-1553.	3.0	9
67	Characterization of a candidate tetravalent vaccine based on 2'-O-methyltransferase mutants. <i>PLoS ONE</i> , 2018, 13, e0189262.	1.1	7
68	Development and characterization of West Nile virus replicon expressing secreted Gaussia Luciferase. <i>Virologica Sinica</i> , 2013, 28, 161-166.	1.2	6
69	Genetic stability of live-attenuated Zika vaccine candidates. <i>Antiviral Research</i> , 2019, 171, 104596.	1.9	6
70	Inhibition of innate immune response ameliorates Zika virus-induced neurogenesis deficit in human neural stem cells. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009183.	1.3	6
71	A genetically stable Zika virus vaccine candidate protects mice against virus infection and vertical transmission. <i>Npj Vaccines</i> , 2021, 6, 27.	2.9	5
72	Infection and pathogenesis of the Delta variant of SARS-CoV-2 in Rhesus macaque. <i>Virologica Sinica</i> , 2022, , .	1.2	4

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73	Using Next Generation Sequencing to Study the Genetic Diversity of Candidate Live Attenuated Zika Vaccines. <i>Vaccines</i> , 2020, 8, 161.	2.1	3
74	Reporter Virus Neutralization Test Evaluation for Dengue and Zika Virus Diagnosis in Flavivirus Endemic Area. <i>Pathogens</i> , 2021, 10, 840.	1.2	3
75	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		0
76	Role of microglia in the dissemination of Zika virus from mother to fetal brain. , 2020, 14, e0008413.		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