

# Bo Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6652047/publications.pdf>

Version: 2024-02-01

99  
papers

4,605  
citations

126858

33  
h-index

118793

62  
g-index

105  
all docs

105  
docs citations

105  
times ranked

8056  
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	An adenosine nucleoside inhibitor of dengue virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20435-20439.	3.3	323
3	Generation of influenza A viruses as live but replication-incompetent virus vaccines. <i>Science</i> , 2016, 354, 1170-1173.	6.0	134
4	6-methyladenosine modification and METTL3 modulate enterovirus 71 replication. <i>Nucleic Acids Research</i> , 2019, 47, 362-374.	6.5	133
5	Linear epitope landscape of the SARS-CoV-2 Spike protein constructed from 1,051 COVID-19 patients. <i>Cell Reports</i> , 2021, 34, 108915.	2.9	127
6	A single-amino acid substitution in West Nile virus 2K peptide between NS4A and NS4B confers resistance to lycorine, a flavivirus inhibitor. <i>Virology</i> , 2009, 384, 242-252.	1.1	113
7	Potential for Co-Infection of a Mosquito-Specific Flavivirus, Nhumirim Virus, to Block West Nile Virus Transmission in Mosquitoes. <i>Viruses</i> , 2015, 7, 5801-5812.	1.5	112
8	Chemical Targeting of a G-Quadruplex RNA in the Ebola Virus L Gene. <i>Cell Chemical Biology</i> , 2016, 23, 1113-1122.	2.5	107
9	Gemcitabine, lycorine and oxysphoridine inhibit novel coronavirus (SARS-CoV-2) in cell culture. <i>Emerging Microbes and Infections</i> , 2020, 9, 1170-1173.	3.0	100
10	West Nile virus genome cyclization and RNA replication require two pairs of long-distance RNA interactions. <i>Virology</i> , 2008, 373, 1-13.	1.1	88
11	Exclusion of West Nile Virus Superinfection through RNA Replication. <i>Journal of Virology</i> , 2009, 83, 11765-11776.	1.5	84
12	Rational Design of a Flavivirus Vaccine by Abolishing Viral RNA 2'-O-Methylation. <i>Journal of Virology</i> , 2013, 87, 5812-5819.	1.5	81
13	Terminal structures of West Nile virus genomic RNA and their interactions with viral NS5 protein. <i>Virology</i> , 2008, 381, 123-135.	1.1	71
14	Crystal Structure of Enterovirus 71 RNA-Dependent RNA Polymerase Complexed with Its Protein Primer VPg: Implication for a <i>trans</i> Mechanism of VPg Uridylylation. <i>Journal of Virology</i> , 2013, 87, 5755-5768.	1.5	66
15	Identification of SARS-CoV-2 entry inhibitors among already approved drugs. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1347-1353.	2.8	66
16	Dengue virus subgenomic RNA induces apoptosis through the Bcl-2-mediated PI3k/Akt signaling pathway. <i>Virology</i> , 2014, 448, 15-25.	1.1	63
17	West Nile Virus NS1 Antagonizes Interferon Beta Production by Targeting RIG-I and MDA5. <i>Journal of Virology</i> , 2017, 91, .	1.5	63
18	Inhibition of Enterovirus 71 by Adenosine Analog NITD008. <i>Journal of Virology</i> , 2014, 88, 11915-11923.	1.5	59

#	ARTICLE	IF	CITATIONS
19	Detection of Zika virus by SYBR green one-step real-time RT-PCR. <i>Journal of Virological Methods</i> , 2016, 236, 93-97.	1.0	59
20	Mosquito-Associated Viruses in China. <i>Virologica Sinica</i> , 2018, 33, 5-20.	1.2	59
21	Development and characterization of a stable eGFP enterovirus 71 for antiviral screening. <i>Antiviral Research</i> , 2013, 97, 198-205.	1.9	54
22	Genetic Interactions among the West Nile Virus Methyltransferase, the RNA-Dependent RNA Polymerase, and the 5' Stem-Loop of Genomic RNA. <i>Journal of Virology</i> , 2008, 82, 7047-7058.	1.5	53
23	ACE2-targeting monoclonal antibody as potent and broad-spectrum coronavirus blocker. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 315.	7.1	53
24	Transmembrane Domains of NS2B Contribute to both Viral RNA Replication and Particle Formation in Japanese Encephalitis Virus. <i>Journal of Virology</i> , 2016, 90, 5735-5749.	1.5	48
25	Quantitative Proteomic Analysis of Mosquito C6/36 Cells Reveals Host Proteins Involved in Zika Virus Infection. <i>Journal of Virology</i> , 2017, 91, .	1.5	47
26	Isolation and characterization of Zika virus imported to China using C6/36 mosquito cells. <i>Virologica Sinica</i> , 2016, 31, 176-179.	1.2	46
27	Baicalein inhibits SARS-CoV-2/VSV replication with interfering mitochondrial oxidative phosphorylation in a mPTP dependent manner. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 266.	7.1	45
28	Perturbation in the Conserved Methyltransferase-Polymerase Interface of Flavivirus NS5 Differentially Affects Polymerase Initiation and Elongation. <i>Journal of Virology</i> , 2015, 89, 249-261.	1.5	44
29	Potent SARS-CoV-2 neutralizing antibodies with protective efficacy against newly emerged mutational variants. <i>Nature Communications</i> , 2021, 12, 6304.	5.8	42
30	A cell-based large-scale screening of natural compounds for inhibitors of SARS-CoV-2. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 218.	7.1	41
31	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
32	Structure-Based Mutational Analysis of Several Sites in the E Protein: Implications for Understanding the Entry Mechanism of Japanese Encephalitis Virus. <i>Journal of Virology</i> , 2015, 89, 5668-5686.	1.5	40
33	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
34	Infectious Chikungunya Virus (CHIKV) with a Complete Capsid Deletion: a New Approach for a CHIKV Vaccine. <i>Journal of Virology</i> , 2019, 93, .	1.5	36
35	Identification and characterization of inhibitors of West Nile virus. <i>Antiviral Research</i> , 2009, 83, 71-79.	1.9	33
36	Development of a replicon cell line-based high throughput antiviral assay for screening inhibitors of Zika virus. <i>Antiviral Research</i> , 2018, 150, 148-154.	1.9	33

#	ARTICLE	IF	CITATIONS
37	Visualization of a neurotropic flavivirus infection in mouse reveals unique viscerotropism controlled by host type I interferon signaling. <i>Theranostics</i> , 2017, 7, 912-925.	4.6	31
38	Screening of Natural Extracts for Inhibitors against Japanese Encephalitis Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	31
39	Generation and characterization of Japanese encephalitis virus expressing GFP reporter gene for high throughput drug screening. <i>Antiviral Research</i> , 2020, 182, 104884.	1.9	28
40	A conformation-based intra-molecular initiation factor identified in the flavivirus RNA-dependent RNA polymerase. <i>PLoS Pathogens</i> , 2020, 16, e1008484.	2.1	26
41	Different pathogenesis of SARS-CoV-2 Omicron variant in wild-type laboratory mice and hamsters. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 62.	7.1	26
42	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
43	Genetic interaction between NS4A and NS4B for replication of Japanese encephalitis virus. <i>Journal of General Virology</i> , 2015, 96, 1264-1275.	1.3	24
44	A nucleobase-binding pocket in a viral RNA-dependent RNA polymerase contributes to elongation complex stability. <i>Nucleic Acids Research</i> , 2020, 48, 1392-1405.	6.5	22
45	Genetic analysis of West Nile virus containing a complete 3' UTR RNA deletion. <i>Virology</i> , 2010, 408, 138-145.	1.1	21
46	Development of a stable Gaussia luciferase enterovirus 71 reporter virus. <i>Journal of Virological Methods</i> , 2015, 219, 62-66.	1.0	21
47	Development of Neutralization Assay Using an eGFP Chikungunya Virus. <i>Viruses</i> , 2016, 8, 181.	1.5	21
48	A mouse model for SARS-CoV-2 infection by exogenous delivery of hACE2 using alphavirus replicon particles. <i>Cell Research</i> , 2020, 30, 1046-1048.	5.7	21
49	Identifying the pattern of molecular evolution for Zaire ebolavirus in the 2014 outbreak in West Africa. <i>Infection, Genetics and Evolution</i> , 2015, 32, 51-59.	1.0	19
50	SARS-CoV-2 replicon for high-throughput antiviral screening. <i>Journal of General Virology</i> , 2021, 102, .	1.3	17
51	Intranasal delivery of replicating mRNA encoding neutralizing antibody against SARS-CoV-2 infection in mice. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 369.	7.1	16
52	A positively selected mutation in the WNV 2K peptide confers resistance to superinfection exclusion in vivo. <i>Virology</i> , 2014, 464-465, 228-232.	1.1	15
53	Development of a rapid antiviral screening assay based on eGFP reporter virus of Mayaro virus. <i>Antiviral Research</i> , 2019, 168, 82-90.	1.9	15
54	Inhibition of Na <sup>+</sup> /K <sup>+</sup> ATPase blocks Zika virus infection in mice. <i>Communications Biology</i> , 2020, 3, 380.	2.0	15

#	ARTICLE	IF	CITATIONS
55	A novel rabies vaccine based on infectious propagating particles derived from hybrid VEEV-Rabies replicon. <i>EBioMedicine</i> , 2020, 56, 102819.	2.7	15
56	A replication-defective Japanese encephalitis virus (JEV) vaccine candidate with NS1 deletion confers dual protection against JEV and West Nile virus in mice. <i>Npj Vaccines</i> , 2020, 5, 73.	2.9	15
57	Recovery of the Zika virus through an in vitro ligation approach. <i>Journal of General Virology</i> , 2017, 98, 1739-1743.	1.3	15
58	Extensive evolution analysis of the global chikungunya virus strains revealed the origination of CHIKV epidemics in Pakistan in 2016. <i>Virologica Sinica</i> , 2017, 32, 520-532.	1.2	14
59	Anti-flavivirus activity of polyoxometalate. <i>Antiviral Research</i> , 2020, 179, 104813.	1.9	14
60	Crystal structure of a tick-borne flavivirus RNA-dependent RNA polymerase suggests a host adaptation hotspot in RNA viruses. <i>Nucleic Acids Research</i> , 2021, 49, 1567-1580.	6.5	14
61	ACE2-Targeting antibody suppresses SARS-CoV-2 Omicron and Delta variants. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 43.	7.1	14
62	Berberamine hydrochloride potently inhibits SARS-CoV-2 infection by blocking S protein-mediated membrane fusion. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010363.	1.3	14
63	A novel reporter system for neutralizing and enhancing antibody assay against dengue virus. <i>BMC Microbiology</i> , 2014, 14, 44.	1.3	13
64	Development and characterization of a clinical strain of Coxsackievirus A16 and an eGFP infectious clone. <i>Virologica Sinica</i> , 2015, 30, 269-276.	1.2	13
65	Generation and characterization of West Nile pseudo-infectious reporter virus for antiviral screening. <i>Antiviral Research</i> , 2017, 141, 38-47.	1.9	13
66	Using a Virion Assembly-Defective Dengue Virus as a Vaccine Approach. <i>Journal of Virology</i> , 2018, 92, .	1.5	13
67	Homologous RNA secondary structure duplications in 3' untranslated region influence subgenomic RNA production and replication of dengue virus. <i>Virology</i> , 2018, 524, 114-126.	1.1	12
68	Visualization of chikungunya virus infection <i>in vitro</i> and <i>in vivo</i> . <i>Emerging Microbes and Infections</i> , 2019, 8, 1574-1583.	3.0	12
69	Noninvasive bioluminescence imaging of dengue virus infection in the brain of A129 mice. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4589-4596.	1.7	11
70	Short Direct Repeats in the 3' Untranslated Region Are Involved in Subgenomic Flaviviral RNA Production. <i>Journal of Virology</i> , 2020, 94, .	1.5	11
71	Different Degrees of 5'-to-3' DAR Interactions Modulate Zika Virus Genome Cyclization and Host-Specific Replication. <i>Journal of Virology</i> , 2020, 94, .	1.5	11
72	Detection, isolation, and characterization of chikungunya viruses associated with the Pakistan outbreak of 2016-2017. <i>Virologica Sinica</i> , 2017, 32, 511-519.	1.2	10

#	ARTICLE	IF	CITATIONS
73	Development and evaluation of one-step multiplex real-time RT-PCR assay for simultaneous detection of Zika virus and Chikungunya virus. <i>Journal of Medical Virology</i> , 2018, 90, 389-396.	2.5	10
74	Increased morbidity of obese mice infected with mouse-adapted SARS-CoV-2. <i>Cell Discovery</i> , 2021, 7, 74.	3.1	10
75	Replication-Defective West Nile Virus with NS1 Deletion as a New Vaccine Platform for Flavivirus. <i>Journal of Virology</i> , 2019, 93, .	1.5	9
76	Cocktail polysaccharides isolated from <i>Ecklonia kurome</i> against the SARS-CoV-2 infection. <i>Carbohydrate Polymers</i> , 2022, 275, 118779.	5.1	9
77	Characterization of two engineered dimeric Zika virus envelope proteins as immunogens for neutralizing antibody selection and vaccine design. <i>Journal of Biological Chemistry</i> , 2019, 294, 10638-10648.	1.6	8
78	Rational design of West Nile virus vaccine through large replacement of 3' UTR with internal poly(A). <i>EMBO Molecular Medicine</i> , 2021, 13, e14108.	3.3	8
79	Development of a stable Japanese encephalitis virus replicon cell line for antiviral screening. <i>Archives of Virology</i> , 2017, 162, 3417-3423.	0.9	7
80	Bergamottin, a bioactive component of bergamot, inhibits SARS-CoV-2 infection in golden Syrian hamsters. <i>Antiviral Research</i> , 2022, 204, 105365.	1.9	7
81	Development and characterization of West Nile virus replicon expressing secreted Gaussia Luciferase. <i>Virologica Sinica</i> , 2013, 28, 161-166.	1.2	6
82	Trans Complementation of Replication-defective Omsk Hemorrhagic Fever Virus for Antiviral Study. <i>Virologica Sinica</i> , 2019, 34, 412-422.	1.2	6
83	In Vitro Inhibition of Alphaviruses by Lycorine. <i>Virologica Sinica</i> , 2021, 36, 1465-1474.	1.2	6
84	A non-RBM targeted RBD specific antibody neutralizes SARS-CoV-2 inducing S1 shedding. <i>Biochemical and Biophysical Research Communications</i> , 2021, 571, 152-158.	1.0	5
85	High titer self-propagating capsidless Chikungunya virus generated in Vero cells as a strategy for alphavirus vaccine development. <i>Journal of Virology</i> , 2022, , JVI0148021.	1.5	5
86	Sequence duplication in 3' UTR modulates virus replication and virulence of Japanese encephalitis virus. <i>Emerging Microbes and Infections</i> , 2022, 11, 123-135.	3.0	5
87	Establishment of Baculovirus-Expressed VLPs Induced Syncytial Formation Assay for Flavivirus Antiviral Screening. <i>Viruses</i> , 2018, 10, 365.	1.5	4
88	RNA Interference Screening Reveals Requirement for Platelet-Derived Growth Factor Receptor Beta in Japanese Encephalitis Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	4
89	A new screening system for entry inhibitors based on cell-to-cell transmitted syncytia formation mediated by self-propagating hybrid VEEV-SARS-CoV-2 replicon. <i>Emerging Microbes and Infections</i> , 2022, 11, 465-476.	3.0	4
90	Self-Assembling Nanovaccine Confers Complete Protection Against Zika Virus Without Causing Antibody-Dependent Enhancement. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	4

#	ARTICLE	IF	CITATIONS
91	How Ebola has been evolving in West Africa. <i>Trends in Microbiology</i> , 2015, 23, 387-388.	3.5	3
92	Zika virus: a flavivirus caused pandemics in Latin America. <i>Virologica Sinica</i> , 2016, 31, 101-102.	1.2	3
93	Increased morbidity of obese mice infected with mouse-adapted SARS-CoV-2. <i>Cell Discovery</i> , 2021, 7, 74.	3.1	1
94	In Vitro and In Vivo Characterization of a New Strain of Mosquito Flavivirus Derived from <i>Culicoides</i> . <i>Viruses</i> , 2022, 14, 1298.	1.5	1
95	Development and Characterization of SYBR Green I Based RT-PCR Assay for Detection of Omsk Hemorrhagic Fever Virus. <i>Virologica Sinica</i> , 2021, , 1.	1.2	0
96	Title is missing!. , 2020, 16, e1008484.		0
97	Title is missing!. , 2020, 16, e1008484.		0
98	Title is missing!. , 2020, 16, e1008484.		0
99	Title is missing!. , 2020, 16, e1008484.		0