

Lei-Ke Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

13,199
citations

147726

31
h-index

98753

67
g-index

71
all docs

71
docs citations

71
times ranked

21262
citing authors

#	ARTICLE	IF	CITATIONS
1	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. <i>Cell Research</i> , 2020, 30, 269-271.	5.7	5,527
2	Structure of Mpro from SARS-CoV-2 and discovery of its inhibitors. <i>Nature</i> , 2020, 582, 289-293.	13.7	3,133
3	Structure-based design of antiviral drug candidates targeting the SARS-CoV-2 main protease. <i>Science</i> , 2020, 368, 1331-1335.	6.0	1,135
4	Structural basis for the inhibition of SARS-CoV-2 main protease by antineoplastic drug carmofur. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 529-532.	3.6	339
5	Anti-SARS-CoV-2 activities in vitro of Shuanghuanglian preparations and bioactive ingredients. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1167-1177.	2.8	314
6	SARS-CoV-2 ORF9b inhibits RIG-I-MAVS antiviral signaling by interrupting K63-linked ubiquitination of NEMO. <i>Cell Reports</i> , 2021, 34, 108761.	2.9	174
7	Inhibition mechanism of SARS-CoV-2 main protease by ebselen and its derivatives. <i>Nature Communications</i> , 2021, 12, 3061.	5.8	149
8	Crystal structure of SARS-CoV-2 main protease in complex with protease inhibitor PF-07321332. <i>Protein and Cell</i> , 2022, 13, 689-693.	4.8	136
9	Novel and potent inhibitors targeting DHODH are broad-spectrum antivirals against RNA viruses including newly-emerged coronavirus SARS-CoV-2. <i>Protein and Cell</i> , 2020, 11, 723-739.	4.8	129
10	Identification of pyrogallol as a warhead in design of covalent inhibitors for the SARS-CoV-2 3CL protease. <i>Nature Communications</i> , 2021, 12, 3623.	5.8	111
11	The metabolic responses to hepatitis B virus infection shed new light on pathogenesis and targets for treatment. <i>Scientific Reports</i> , 2015, 5, 8421.	1.6	109
12	SARS-CoV-2-encoded nucleocapsid protein acts as a viral suppressor of RNA interference in cells. <i>Science China Life Sciences</i> , 2020, 63, 1413-1416.	2.3	104
13	Structural basis for inhibition of the SARS-CoV-2 RNA polymerase by suramin. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 319-325.	3.6	104
14	Screening of FDA-Approved Drugs for Inhibitors of Japanese Encephalitis Virus Infection. <i>Journal of Virology</i> , 2017, 91, .	1.5	102
15	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. <i>Cell Research</i> , 2021, 31, 847-860.	5.7	102
16	Absorbed plant MIR2911 in honeysuckle decoction inhibits SARS-CoV-2 replication and accelerates the negative conversion of infected patients. <i>Cell Discovery</i> , 2020, 6, 54.	3.1	96
17	High-throughput screening identifies established drugs as SARS-CoV-2 PLpro inhibitors. <i>Protein and Cell</i> , 2021, 12, 877-888.	4.8	95
18	Comparative Proteomics Reveal Fundamental Structural and Functional Differences between the Two Progeny Phenotypes of a Baculovirus. <i>Journal of Virology</i> , 2013, 87, 829-839.	1.5	87

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19	Calcium channel blocker amlodipine besylate therapy is associated with reduced case fatality rate of COVID-19 patients with hypertension. <i>Cell Discovery</i> , 2020, 6, 96.	3.1	85
20	Calcium channel blockers reduce severe fever with thrombocytopenia syndrome virus (SFTSV) related fatality. <i>Cell Research</i> , 2019, 29, 739-753.	5.7	81
21	Identification of Host Proteins Involved in Japanese Encephalitis Virus Infection by Quantitative Proteomics Analysis. <i>Journal of Proteome Research</i> , 2013, 12, 2666-2678.	1.8	80
22	SFTSV Infection Induces BAK/BAX-Dependent Mitochondrial DNA Release to Trigger NLRP3 Inflammasome Activation. <i>Cell Reports</i> , 2020, 30, 4370-4385.e7.	2.9	80
23	Design and development of an oral remdesivir derivative WV116 against SARS-CoV-2. <i>Cell Research</i> , 2021, 31, 1212-1214.	5.7	71
24	Design, Synthesis, and Biological Evaluation of Peptidomimetic Aldehydes as Broad-Spectrum Inhibitors against Enterovirus and SARS-CoV-2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2794-2808.	2.9	52
25	Antiviral activity of peptide inhibitors derived from the protein E stem against Japanese encephalitis and Zika viruses. <i>Antiviral Research</i> , 2017, 141, 140-149.	1.9	51
26	Screening and Identification of Lassa Virus Entry Inhibitors from an FDA-Approved Drug Library. <i>Journal of Virology</i> , 2018, 92, .	1.5	48
27	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
28	The ubiquitin-proteasome system is essential for the productive entry of Japanese encephalitis virus. <i>Virology</i> , 2016, 498, 116-127.	1.1	44
29	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 300.	7.1	44
30	A multi-targeting drug design strategy for identifying potent anti-SARS-CoV-2 inhibitors. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 483-493.	2.8	43
31	Discovery of potential small molecular SARS-CoV-2 entry blockers targeting the spike protein. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 788-796.	2.8	40
32	High-Throughput Screening of an FDA-Approved Drug Library Identifies Inhibitors against Arenaviruses and SARS-CoV-2. <i>ACS Infectious Diseases</i> , 2021, 7, 1409-1422.	1.8	31
33	Clinical effect and antiviral mechanism of T-705 in treating severe fever with thrombocytopenia syndrome. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 145.	7.1	30
34	Quantitative Proteomic Analysis Reveals Unfolded-Protein Response Involved in Severe Fever with Thrombocytopenia Syndrome Virus Infection. <i>Journal of Virology</i> , 2019, 93, .	1.5	24
35	Comparative Antiviral Efficacy of Viral Protease Inhibitors against the Novel SARS-CoV-2 In Vitro. <i>Virologica Sinica</i> , 2020, 35, 776-784.	1.2	24
36	Structure-function relationship of the mammarenavirus envelope glycoprotein. <i>Virologica Sinica</i> , 2016, 31, 380-394.	1.2	20

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37	Decreased HD-MIR2911 absorption in human subjects with the SIDT1 polymorphism fails to inhibit SARS-CoV-2 replication. <i>Cell Discovery</i> , 2020, 6, 63.	3.1	18
38	Discovery of SARS-CoV-2-E channel inhibitors as antiviral candidates. <i>Acta Pharmacologica Sinica</i> , 2021, , .	2.8	18
39	Identification of proteasome and caspase inhibitors targeting SARS-CoV-2 Mpro. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 214.	7.1	17
40	A novel RSV F-Fc fusion protein vaccine reduces lung injury induced by respiratory syncytial virus infection. <i>Antiviral Research</i> , 2019, 165, 11-22.	1.9	16
41	Activation of the RLR/MAVS Signaling Pathway by the L Protein of Mopeia Virus. <i>Journal of Virology</i> , 2016, 90, 10259-10270.	1.5	15
42	Novel neutralizing monoclonal antibodies against Junin virus. <i>Antiviral Research</i> , 2018, 156, 21-28.	1.9	15
43	Longitudinal Profile of Laboratory Parameters and Their Application in the Prediction for Fatal Outcome Among Patients Infected With SARS-CoV-2: A Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2021, 72, 626-633.	2.9	15
44	Probing the Allosteric Inhibition Mechanism of a Spike Protein Using Molecular Dynamics Simulations and Active Compound Identifications. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2827-2835.	2.9	15
45	Comprehensive Interactome Analysis Reveals that STT3B Is Required for N-Glycosylation of Lassa Virus Glycoprotein. <i>Journal of Virology</i> , 2019, 93, .	1.5	14
46	Development of horse neutralizing immunoglobulin and immunoglobulin fragments against JunÃn virus. <i>Antiviral Research</i> , 2020, 174, 104666.	1.9	14
47	Gallium maltolate has <i>in vitro</i> antiviral activity against SARS-CoV-2 and is a potential treatment for COVID-19. <i>Antiviral Chemistry and Chemotherapy</i> , 2020, 28, 204020662098378.	0.3	14
48	Comorbidities for fatal outcome among the COVID-19 patients: A hospital-based case-control study. <i>Journal of Infection</i> , 2021, 82, 159-198.	1.7	14
49	Oral remdesivir derivative VV116 is a potent inhibitor of respiratory syncytial virus with efficacy in mouse model. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 123.	7.1	14
50	Global quantitative proteomic analysis of human glioma cells profiled host protein expression in response to enterovirus type 71 infection. <i>Proteomics</i> , 2015, 15, 3784-3796.	1.3	13
51	A Subcellular Quantitative Proteomic Analysis of Herpes Simplex Virus Type 1-Infected HEK 293T Cells. <i>Molecules</i> , 2019, 24, 4215.	1.7	13
52	Proteomic Analysis of Mamestra Brassicae Nucleopolyhedrovirus Progeny Virions from Two Different Hosts. <i>PLoS ONE</i> , 2016, 11, e0153365.	1.1	12
53	CoVac501, a self-adjuvanting peptide vaccine conjugated with TLR7 agonists, against SARS-CoV-2 induces protective immunity. <i>Cell Discovery</i> , 2022, 8, 9.	3.1	12
54	Effect of genomic variations in severe fever with thrombocytopenia syndrome virus on the disease lethality. <i>Emerging Microbes and Infections</i> , 2022, 11, 1672-1682.	3.0	12

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55	Subcellular quantitative proteomic analysis reveals host proteins involved in human cytomegalovirus infection. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 967-978.	1.1	11
56	A pathogen-like antigen based vaccine confers immune protection against SARS-CoV-2 in non-human primates. <i>Cell Reports Medicine</i> , 2021, 2, 100448.	3.3	11
57	Ebola virus VP35 hijacks the PKA-CREB1 pathway for replication and pathogenesis by AKIP1 association. <i>Nature Communications</i> , 2022, 13, 2256.	5.8	11
58	Quantitative proteomics reveals olfactory input-dependent alterations in the mouse olfactory bulb proteome. <i>Journal of Proteomics</i> , 2014, 109, 125-142.	1.2	10
59	Analysis of EV71 infection progression using triple-SILAC-based proteomics approach. <i>Proteomics</i> , 2015, 15, 3629-3643.	1.3	8
60	Global quantitative proteomic analysis profiles host protein expression in response to Sendai virus infection. <i>Proteomics</i> , 2017, 17, 1600239.	1.3	8
61	A Comparative Quantitative Proteomic Analysis of HCMV-Infected Cells Highlights pUL138 as a Multifunctional Protein. <i>Molecules</i> , 2020, 25, 2520.	1.7	6
62	Structure basis for inhibition of SARS-CoV-2 by the feline drug GC376. <i>Acta Pharmacologica Sinica</i> , 2023, 44, 255-257.	2.8	5
63	Comprehensive interactome analysis of the spike protein of swine acute diarrhea syndrome coronavirus. <i>Biosafety and Health</i> , 2021, 3, 156-163.	1.2	2
64	Activation of the STAT3 Signaling Pathway by the RNA-Dependent RNA Polymerase Protein of Arenavirus. <i>Viruses</i> , 2021, 13, 976.	1.5	1
65	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. , 0, .		1