Xi Zhou

List of Publications by Year in descending order

82 papers	3,103 citations	279798 23 h-index	182427 51 g-index
84 all docs	84 docs citations	84 times ranked	5286 citing authors

#	Article	IF	Citations
1	The ORF3a protein of SARS-CoV-2 induces apoptosis in cells. Cellular and Molecular Immunology, 2020, 17, 881-883.	10.5	392
2	Plasma metabolomic and lipidomic alterations associated with COVID-19. National Science Review, 2020, 7, 1157-1168.	9.5	250
3	Plasma Proteomics Identify Biomarkers and Pathogenesis of COVID-19. Immunity, 2020, 53, 1108-1122.e5.	14.3	228
4	SARS-CoV-2 N protein antagonizes type I interferon signaling by suppressing phosphorylation and nuclear translocation of STAT1 and STAT2. Cell Discovery, 2020, 6, 65.	6.7	165
5	The Nucleocapsid Protein of Coronaviruses Acts as a Viral Suppressor of RNA Silencing in Mammalian Cells. Journal of Virology, 2015, 89, 9029-9043.	3.4	148
6	SARS-Coronavirus-2 Nsp13 Possesses NTPase and RNA Helicase Activities That Can Be Inhibited by Bismuth Salts. Virologica Sinica, 2020, 35, 321-329.	3.0	145
7	Zika virus infection induces RNAi-mediated antiviral immunity in human neural progenitors and brain organoids. Cell Research, 2019, 29, 265-273.	12.0	115
8	Human Virus-Derived Small RNAs Can Confer Antiviral Immunity in Mammals. Immunity, 2017, 46, 992-1004.e5.	14.3	114
9	Fast and sensitive detection of SARS-CoV-2 RNA using suboptimal protospacer adjacent motifs for Cas12a. Nature Biomedical Engineering, 2022, 6, 286-297.	22.5	106
10	SARS-CoV-2-encoded nucleocapsid protein acts as a viral suppressor of RNA interference in cells. Science China Life Sciences, 2020, 63, 1413-1416.	4.9	104
11	A single-center, retrospective study of COVID-19 features in children: a descriptive investigation. BMC Medicine, 2020, 18, 123.	5.5	101
12	Temporal profiling of plasma cytokines, chemokines and growth factors from mild, severe and fatal COVID-19 patients. Signal Transduction and Targeted Therapy, 2020, 5, 100.	17.1	101
13	A single nucleotide mutation in NS2A of Japanese encephalitis-live vaccine virus (SA14-14-2) ablates NS1â€™ formation and contributes to attenuation. Journal of General Virology, 2012, 93, 1959-1964.	2.9	83
14	Human Enterovirus Nonstructural Protein 2CATPase Functions as Both an RNA Helicase and ATP-Independent RNA Chaperone. PLoS Pathogens, 2015, 11, e1005067.	4.7	68
15	Flavivirus induces and antagonizes antiviral RNA interference in both mammals and mosquitoes. Science Advances, 2020, 6, eaax7989.	10.3	60
16	Targeting of Dicer-2 and RNA by a Viral RNA Silencing Suppressor in Drosophila Cells. Journal of Virology, 2012, 86, 5763-5773.	3.4	46
17	Drosophila Dicer-2 has an RNA interferenceâ€“independent function that modulates Toll immune signaling. Science Advances, 2015, 1, e1500228.	10.3	41
18	RNA Binding by a Novel Helical Fold of B2 Protein from Wuhan Nodavirus Mediates the Suppression of RNA Interference and Promotes B2 Dimerization. Journal of Virology, 2011, 85, 9543-9554.	3.4	37

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19	Omics study reveals abnormal alterations of breastmilk proteins and metabolites in puerperant women with COVID-19. Signal Transduction and Targeted Therapy, 2020, 5, 247.	17.1	31
20	Ebola virus VP35Âhas novel NTPase and helicase-like activities. Nucleic Acids Research, 2019, 47, 5837-5851.	14.5	29
21	Human Norovirus NS3 Has RNA Helicase and Chaperoning Activities. Journal of Virology, 2018, 92, .	3.4	28
22	The Capsid Protein of Semliki Forest Virus Antagonizes RNA Interference in Mammalian Cells. Journal of Virology, 2020, 94, .	3.4	27
23	Multi-omic profiling of plasma reveals molecular alterations in children with COVID-19. Theranostics, 2021, 11, 8008-8026.	10.0	27
24	The Nonstructural Protein 2C of a Picorna-Like Virus Displays Nucleic Acid Helix Destabilizing Activity That Can Be Functionally Separated from Its ATPase Activity. Journal of Virology, 2013, 87, 5205-5218.	3.4	26
25	Induction of Neutralizing Antibodies against Four Serotypes of Dengue Viruses by MixBiEDIII, a Tetravalent Dengue Vaccine. PLoS ONE, 2014, 9, e86573.	2.5	26
26	Identification and characterization of Iflavirus 3C-like protease processing activities. Virology, 2012, 428, 136-145.	2.4	24
27	Imaging Mass Cytometric Analysis of Postmortem Tissues Reveals Dysregulated Immune Cell and Cytokine Responses in Multiple Organs of COVID-19 Patients. Frontiers in Microbiology, 2020, 11, 600989.	3.5	24
28	Proteomics Profiling of Host Cell Response via Protein Expression and Phosphorylation upon Dengue Virus Infection. Virologica Sinica, 2019, 34, 549-562.	3.0	23
29	HIPK2 phosphorylates HDAC3 for NF-Î²B acetylation to ameliorate colitis-associated colorectal carcinoma and sepsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
30	Inhibition of viral suppressor of RNAi proteins by designer peptides protects from enteroviral infection inÂvivo. Immunity, 2021, 54, 2231-2244.e6.	14.3	23
31	Application of Evans Index in Normal Pressure Hydrocephalus Patients: A Mini Review. Frontiers in Aging Neuroscience, 2021, 13, 783092.	3.4	23
32	Transcription profile of human endogenous retroviruses in response to dengue virus serotype 2 infection. Virology, 2020, 544, 21-30.	2.4	22
33	SARS-CoV-2 Membrane Glycoprotein M Triggers Apoptosis With the Assistance of Nucleocapsid Protein N in Cells. Frontiers in Cellular and Infection Microbiology, 2021, 11, 706252.	3.9	22
34	A cypovirus VP5 displays the RNA chaperone-like activity that destabilizes RNA helices and accelerates strand annealing. Nucleic Acids Research, 2014, 42, 2538-2554.	14.5	21
35	A new index for assessing cerebral ventricular volume in idiopathic normal-pressure hydrocephalus: a comparison with Evansâ€™ index. Neuroradiology, 2020, 62, 661-667.	2.2	21
36	Characterization of a Nodavirus Replicase Revealed a de Novo Initiation Mechanism of RNA Synthesis and Terminal Nucleotidyltransferase Activity. Journal of Biological Chemistry, 2013, 288, 30785-30801.	3.4	19

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37	Identification and characterization of RNA duplex unwinding and ATPase activities of an alphatetravirus superfamily 1 helicase. Virology, 2012, 433, 440-448.	2.4	18
38	Dual inhibition of innate immunity and apoptosis by human cytomegalovirus protein UL37x1 enables efficient virus replication. Nature Microbiology, 2022, 7, 1041-1053.	13.3	18
39	Broad phenotypic alterations and potential dysfunction of lymphocytes in individuals clinically recovered from COVID-19. Journal of Molecular Cell Biology, 2021, 13, 197-209.	3.3	17
40	Reviving chloroquine for anti-SARS-CoV-2 treatment with cucurbit[7]uril-based supramolecular formulation. Chinese Chemical Letters, 2021, 32, 3019-3022.	9.0	17
41	Systematic and Comprehensive Automated Ventricle Segmentation on Ventricle Images of the Elderly Patients: A Retrospective Study. Frontiers in Aging Neuroscience, 2020, 12, 618538.	3.4	17
42	STING: From Mammals to Insects. Cell Host and Microbe, 2018, 24, 5-7.	11.0	16
43	Antiviral Peptides Targeting the Helicase Activity of Enterovirus Nonstructural Protein 2C. Journal of Virology, 2021, 95, .	3.4	16
44	A picorna-like virus suppresses the N-end rule pathway to inhibit apoptosis. ELife, 2017, 6, .	6.0	16
45	Internal Initiation Is Responsible for Synthesis of Wuhan Nodavirus Subgenomic RNA. Journal of Virology, 2011, 85, 4440-4451.	3.4	14
46	Periplaneta fuliginosa densovirus nonstructural protein NS1 contains an endonuclease activity that is regulated by its phosphorylation. Virology, 2013, 437, 1-11.	2.4	14
47	Hepatitis C Virus NS2 Protein Suppresses RNA Interference in Cells. Virologica Sinica, 2020, 35, 436-444.	3.0	14
48	Post-mortem tissue proteomics reveals the pathogenesis of multi-organ injuries of COVID-19. National Science Review, 2021, 8, nwab143.	9.5	14
49	Longitudinal Characteristics of T Cell Responses in Asymptomatic SARS-CoV-2 Infection. Virologica Sinica, 2020, 35, 838-841.	3.0	11
50	Viral dynamics and antibody responses in people with asymptomatic SARS-CoV-2 infection. Signal Transduction and Targeted Therapy, 2021, 6, 181.	17.1	11
51	Flock House Virus RNA Polymerase Initiates RNA Synthesis De Novo and Possesses a Terminal Nucleotidyl Transferase Activity. PLoS ONE, 2014, 9, e86876.	2.5	11
52	Effective virus-neutralizing activities in antisera from the first wave of severe COVID-19 survivors. JCI Insight, 2021, 6, .	5.0	10
53	The identification and characterization of nucleic acid chaperone activity of human enterovirus 71 nonstructural protein 3AB. Virology, 2014, 464-465, 353-364.	2.4	9
54	Aggressive Quarantine Measures Reduce the High Morbidity of COVID-19 in Patients on Maintenance Hemodialysis and Medical Staff of Hemodialysis Facilities in Wuhan, China. Kidney Diseases (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	9

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55	A proposal for clinical trials of COVID-19 treatment using homo-harringtonine. National Science Review, 2021, 8, nwaa257.	9.5	9
56	Membrane association of Wuhan nodavirus protein A is required for its ability to accumulate genomic RNA1 template. Virology, 2013, 439, 140-151.	2.4	8
57	The Capsid Protein of Rubella Virus Antagonizes RNA Interference in Mammalian Cells. Viruses, 2021, 13, 154.	3.3	8
58	Cucurbit[7]uril as a Broad-Spectrum Antiviral Agent against Diverse RNA Viruses. Virologica Sinica, 2021, 36, 1165-1176.	3.0	7
59	Enoxacin Shows Broad-Spectrum Antiviral Activity against Diverse Viruses by Enhancing Antiviral RNA Interference in Insects. Journal of Virology, 2022, 96, JVI0177821.	3.4	7
60	STUB1 regulates antiviral RNAi through inducing ubiquitination and degradation of Dicer and AGO2 in mammals. Virologica Sinica, 2022, 37, 569-580.	3.0	7
61	RNA chaperones encoded by RNA viruses. Virologica Sinica, 2015, 30, 401-409.	3.0	6
62	Cypovirus capsid protein VP5 has nucleoside triphosphatase activity. Virologica Sinica, 2017, 32, 328-330.	3.0	6
63	Idiopathic Normal Pressure Hydrocephalus and Elderly Acquired Hydrocephalus: Evaluation With Cerebrospinal Fluid Flow and Ventricular Volume Parameters. Frontiers in Aging Neuroscience, 2020, 12, 584842.	3.4	6
64	AI-based medical e-diagnosis for fast and automatic ventricular volume measurement in patients with normal pressure hydrocephalus. Neural Computing and Applications, 2023, 35, 16011-16020.	5.6	6
65	Value of MRI-based semi-quantitative structural neuroimaging in predicting the prognosis of patients with idiopathic normal pressure hydrocephalus after shunt surgery. European Radiology, 2022, 32, 7800-7810.	4.5	5
66	Feasibility Study of Mixing Throat Swab Samples for Severe Acute Respiratory Syndrome Coronavirus-2 Screening. Virologica Sinica, 2020, 35, 830-832.	3.0	4
67	The Self-Interaction of a Nodavirus Replicase Is Enhanced by Mitochondrial Membrane Lipids. PLoS ONE, 2014, 9, e89628.	2.5	4
68	The 3A protein of coxsackievirus B3 acts as a viral suppressor of RNA interference. Journal of General Virology, 2020, 101, 1069-1078.	2.9	3
69	Discovery of mosquitocides from fungal extracts through a high-throughput cytotoxicity-screening approach. Parasites and Vectors, 2021, 14, 595.	2.5	3
70	Activating receptor KIR2DS2 bound to HLAâ€C1 reveals the novel recognition features of activating receptor. Immunology, 2022, 165, 341-354.	4.4	3
71	Saliva-based point-of-care testing techniques for COVID-19 detection. Virologica Sinica, 2022, 37, 472-476.	3.0	3
72	Newly discovered insect RNA viruses in China. Science China Life Sciences, 2013, 56, 711-714.	4.9	2

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73	The RNA binding of protein A from Wuhan nodavirus is mediated by mitochondrial membrane lipids. Virology, 2014, 462-463, 1-13.	2.4	2
74	Opposite effects of Drosophila C3PO on gene silencing mediated by esi-2.1 and miRNA-bantam. Acta Biochimica Et Biophysica Sinica, 2019, 51, 131-138.	2.0	2
75	A mathematical model for predicting intracranial pressure based on noninvasively acquired PC-MRI parameters in communicating hydrocephalus. Journal of Clinical Monitoring and Computing, 2021, 35, 1325-1332.	1.6	2
76	Guaico Culex virus NSP2 has RNA helicase and chaperoning activities. Journal of General Virology, 2021, 102, .	2.9	2
77	Transcriptional responses of Daphnis nerii larval midgut to oral infection by Daphnis nerii cypovirus-23. Virology Journal, 2021, 18, 250.	3.4	2
78	Enterovirus 71 3C proteolytically processes the histone H3 N-terminal tail during infection. Virologica Sinica, 2022, 37, 314-317.	3.0	1
79	Drosophila Trf4-1 involves in mRNA and primary miRNA transcription. Biochemical and Biophysical Research Communications, 2019, 511, 806-812.	2.1	0
80	Smoking Status Affects the Association Between Hematoma Heterogeneity and Hematoma Expansion. World Neurosurgery: X, 2021, 9, 100095.	1.1	0
81	Quantification of changes in white matter tract fibers in idiopathic normal pressure hydrocephalus based on diffusion spectrum imaging. European Journal of Radiology, 2022, 149, 110194.	2.6	0
82	The nonstructural protein 2C of Coxsackie B virus has RNA helicase and chaperoning activities. Virologica Sinica, 2022, 37, 656-663.	3.0	0