

Xi Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

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	AI-based medical e-diagnosis for fast and automatic ventricular volume measurement in patients with normal pressure hydrocephalus. <i>Neural Computing and Applications</i> , 2023, 35, 16011-16020.	5.6	6
2	Activating receptor KIR2DS2 bound to HLA*€C1 reveals the novel recognition features of activating receptor. <i>Immunology</i> , 2022, 165, 341-354.	4.4	3
3	Quantification of changes in white matter tract fibers in idiopathic normal pressure hydrocephalus based on diffusion spectrum imaging. <i>European Journal of Radiology</i> , 2022, 149, 110194.	2.6	0
4	Enoxacin Shows Broad-Spectrum Antiviral Activity against Diverse Viruses by Enhancing Antiviral RNA Interference in Insects. <i>Journal of Virology</i> , 2022, 96, JVI0177821.	3.4	7
5	Enterovirus 71 3C proteolytically processes the histone H3 N-terminal tail during infection. <i>Virologica Sinica</i> , 2022, 37, 314-317.	3.0	1
6	Fast and sensitive detection of SARS-CoV-2 RNA using suboptimal protospacer adjacent motifs for Cas12a. <i>Nature Biomedical Engineering</i> , 2022, 6, 286-297.	22.5	106
7	Value of MRI-based semi-quantitative structural neuroimaging in predicting the prognosis of patients with idiopathic normal pressure hydrocephalus after shunt surgery. <i>European Radiology</i> , 2022, 32, 7800-7810.	4.5	5
8	Saliva-based point-of-care testing techniques for COVID-19 detection. <i>Virologica Sinica</i> , 2022, 37, 472-476.	3.0	3
9	STUB1 regulates antiviral RNAi through inducing ubiquitination and degradation of Dicer and AGO2 in mammals. <i>Virologica Sinica</i> , 2022, 37, 569-580.	3.0	7
10	The nonstructural protein 2C of Coxsackie B virus has RNA helicase and chaperoning activities. <i>Virologica Sinica</i> , 2022, 37, 656-663.	3.0	0
11	Dual inhibition of innate immunity and apoptosis by human cytomegalovirus protein UL37x1 enables efficient virus replication. <i>Nature Microbiology</i> , 2022, 7, 1041-1053.	13.3	18
12	A mathematical model for predicting intracranial pressure based on noninvasively acquired PC-MRI parameters in communicating hydrocephalus. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1325-1332.	1.6	2
13	Smoking Status Affects the Association Between Hematoma Heterogeneity and Hematoma Expansion. <i>World Neurosurgery: X</i> , 2021, 9, 100095.	1.1	0
14	A proposal for clinical trials of COVID-19 treatment using homo-harringtonine. <i>National Science Review</i> , 2021, 8, nwaa257.	9.5	9
15	Effective virus-neutralizing activities in antisera from the first wave of severe COVID-19 survivors. <i>JCI Insight</i> , 2021, 6, .	5.0	10
16	Multi-omic profiling of plasma reveals molecular alterations in children with COVID-19. <i>Theranostics</i> , 2021, 11, 8008-8026.	10.0	27
17	Broad phenotypic alterations and potential dysfunction of lymphocytes in individuals clinically recovered from COVID-19. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 197-209.	3.3	17
18	Guaico Culex virus NSP2 has RNA helicase and chaperoning activities. <i>Journal of General Virology</i> , 2021, 102, .	2.9	2

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19	Reviving chloroquine for anti-SARS-CoV-2 treatment with cucurbit[7]uril-based supramolecular formulation. <i>Chinese Chemical Letters</i> , 2021, 32, 3019-3022.	9.0	17
20	Viral dynamics and antibody responses in people with asymptomatic SARS-CoV-2 infection. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 181.	17.1	11
21	Cucurbit[7]uril as a Broad-Spectrum Antiviral Agent against Diverse RNA Viruses. <i>Virologica Sinica</i> , 2021, 36, 1165-1176.	3.0	7
22	Antiviral Peptides Targeting the Helicase Activity of Enterovirus Nonstructural Protein 2C. <i>Journal of Virology</i> , 2021, 95, .	3.4	16
23	HIPK2 phosphorylates HDAC3 for NF- κ B acetylation to ameliorate colitis-associated colorectal carcinoma and sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
24	Post-mortem tissue proteomics reveals the pathogenesis of multi-organ injuries of COVID-19. <i>National Science Review</i> , 2021, 8, nwab143.	9.5	14
25	SARS-CoV-2 Membrane Glycoprotein M Triggers Apoptosis With the Assistance of Nucleocapsid Protein N in Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 706252.	3.9	22
26	Inhibition of viral suppressor of RNAi proteins by designer peptides protects from enteroviral infection in vivo. <i>Immunity</i> , 2021, 54, 2231-2244.e6.	14.3	23
27	The Capsid Protein of Rubella Virus Antagonizes RNA Interference in Mammalian Cells. <i>Viruses</i> , 2021, 13, 154.	3.3	8
28	Discovery of mosquitocides from fungal extracts through a high-throughput cytotoxicity-screening approach. <i>Parasites and Vectors</i> , 2021, 14, 595.	2.5	3
29	Application of Evans Index in Normal Pressure Hydrocephalus Patients: A Mini Review. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 783092.	3.4	23
30	Transcriptional responses of <i>Daphnia pulex</i> larval midgut to oral infection by <i>Daphnia pulex</i> cytovirus-23. <i>Virology Journal</i> , 2021, 18, 250.	3.4	2
31	The Capsid Protein of Semliki Forest Virus Antagonizes RNA Interference in Mammalian Cells. <i>Journal of Virology</i> , 2020, 94, .	3.4	27
32	Hepatitis C Virus NS2 Protein Suppresses RNA Interference in Cells. <i>Virologica Sinica</i> , 2020, 35, 436-444.	3.0	14
33	Plasma Proteomics Identify Biomarkers and Pathogenesis of COVID-19. <i>Immunity</i> , 2020, 53, 1108-1122.e5.	14.3	228
34	Aggressive Quarantine Measures Reduce the High Morbidity of COVID-19 in Patients on Maintenance Hemodialysis and Medical Staff of Hemodialysis Facilities in Wuhan, China. <i>Kidney Diseases (Basel)</i> , 2021, 10, 100-108.	10.0	10
35	Omics study reveals abnormal alterations of breastmilk proteins and metabolites in puerperant women with COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 247.	17.1	31
36	SARS-CoV-2 N protein antagonizes type I interferon signaling by suppressing phosphorylation and nuclear translocation of STAT1 and STAT2. <i>Cell Discovery</i> , 2020, 6, 65.	6.7	165

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37	Longitudinal Characteristics of T Cell Responses in Asymptomatic SARS-CoV-2 Infection. <i>Virologica Sinica</i> , 2020, 35, 838-841.	3.0	11
38	Imaging Mass Cytometric Analysis of Postmortem Tissues Reveals Dysregulated Immune Cell and Cytokine Responses in Multiple Organs of COVID-19 Patients. <i>Frontiers in Microbiology</i> , 2020, 11, 600989.	3.5	24
39	Idiopathic Normal Pressure Hydrocephalus and Elderly Acquired Hydrocephalus: Evaluation With Cerebrospinal Fluid Flow and Ventricular Volume Parameters. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 584842.	3.4	6
40	A single-center, retrospective study of COVID-19 features in children: a descriptive investigation. <i>BMC Medicine</i> , 2020, 18, 123.	5.5	101
41	SARS-Coronavirus-2 Nsp13 Possesses NTPase and RNA Helicase Activities That Can Be Inhibited by Bismuth Salts. <i>Virologica Sinica</i> , 2020, 35, 321-329.	3.0	145
42	The ORF3a protein of SARS-CoV-2 induces apoptosis in cells. <i>Cellular and Molecular Immunology</i> , 2020, 17, 881-883.	10.5	392
43	Temporal profiling of plasma cytokines, chemokines and growth factors from mild, severe and fatal COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 100.	17.1	101
44	Feasibility Study of Mixing Throat Swab Samples for Severe Acute Respiratory Syndrome Coronavirus-2 Screening. <i>Virologica Sinica</i> , 2020, 35, 830-832.	3.0	4
45	Flavivirus induces and antagonizes antiviral RNA interference in both mammals and mosquitoes. <i>Science Advances</i> , 2020, 6, eaax7989.	10.3	60
46	Transcription profile of human endogenous retroviruses in response to dengue virus serotype 2 infection. <i>Virology</i> , 2020, 544, 21-30.	2.4	22
47	A new index for assessing cerebral ventricular volume in idiopathic normal-pressure hydrocephalus: a comparison with Evans's index. <i>Neuroradiology</i> , 2020, 62, 661-667.	2.2	21
48	Plasma metabolomic and lipidomic alterations associated with COVID-19. <i>National Science Review</i> , 2020, 7, 1157-1168.	9.5	250
49	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.	4.9	104
50	The 3A protein of coxsackievirus B3 acts as a viral suppressor of RNA interference. <i>Journal of General Virology</i> , 2020, 101, 1069-1078.	2.9	3
51	Systematic and Comprehensive Automated Ventricle Segmentation on Ventricle Images of the Elderly Patients: A Retrospective Study. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 618538.	3.4	17
52	Proteomics Profiling of Host Cell Response via Protein Expression and Phosphorylation upon Dengue Virus Infection. <i>Virologica Sinica</i> , 2019, 34, 549-562.	3.0	23
53	Ebola virus VP35 has novel NTPase and helicase-like activities. <i>Nucleic Acids Research</i> , 2019, 47, 5837-5851.	14.5	29
54	Drosophila Trf4-1 involves in mRNA and primary miRNA transcription. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 806-812.	2.1	0

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55	Zika virus infection induces RNAi-mediated antiviral immunity in human neural progenitors and brain organoids. <i>Cell Research</i> , 2019, 29, 265-273.	12.0	115
56	Opposite effects of <i>Drosophila</i> C3PO on gene silencing mediated by esi-2.1 and miRNA-bantam. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 131-138.	2.0	2
57	Human Norovirus NS3 Has RNA Helicase and Chaperoning Activities. <i>Journal of Virology</i> , 2018, 92, .	3.4	28
58	STING: From Mammals to Insects. <i>Cell Host and Microbe</i> , 2018, 24, 5-7.	11.0	16
59	Human Virus-Derived Small RNAs Can Confer Antiviral Immunity in Mammals. <i>Immunity</i> , 2017, 46, 992-1004.e5.	14.3	114
60	Cypovirus capsid protein VP5 has nucleoside triphosphatase activity. <i>Virologica Sinica</i> , 2017, 32, 328-330.	3.0	6
61	A picorna-like virus suppresses the N-end rule pathway to inhibit apoptosis. <i>ELife</i> , 2017, 6, .	6.0	16
62	Human Enterovirus Nonstructural Protein 2CATPase Functions as Both an RNA Helicase and ATP-Independent RNA Chaperone. <i>PLoS Pathogens</i> , 2015, 11, e1005067.	4.7	68
63	RNA chaperones encoded by RNA viruses. <i>Virologica Sinica</i> , 2015, 30, 401-409.	3.0	6
64	The Nucleocapsid Protein of Coronaviruses Acts as a Viral Suppressor of RNA Silencing in Mammalian Cells. <i>Journal of Virology</i> , 2015, 89, 9029-9043.	3.4	148
65	<i>Drosophila</i> Dicer-2 has an RNA interference-independent function that modulates Toll immune signaling. <i>Science Advances</i> , 2015, 1, e1500228.	10.3	41
66	Induction of Neutralizing Antibodies against Four Serotypes of Dengue Viruses by MixBiEDIII, a Tetravalent Dengue Vaccine. <i>PLoS ONE</i> , 2014, 9, e86573.	2.5	26
67	A cypovirus VP5 displays the RNA chaperone-like activity that destabilizes RNA helices and accelerates strand annealing. <i>Nucleic Acids Research</i> , 2014, 42, 2538-2554.	14.5	21
68	The identification and characterization of nucleic acid chaperone activity of human enterovirus 71 nonstructural protein 3AB. <i>Virology</i> , 2014, 464-465, 353-364.	2.4	9
69	The RNA binding of protein A from Wuhan nodavirus is mediated by mitochondrial membrane lipids. <i>Virology</i> , 2014, 462-463, 1-13.	2.4	2
70	Flock House Virus RNA Polymerase Initiates RNA Synthesis De Novo and Possesses a Terminal Nucleotidyl Transferase Activity. <i>PLoS ONE</i> , 2014, 9, e86876.	2.5	11
71	The Self-Interaction of a Nodavirus Replicase Is Enhanced by Mitochondrial Membrane Lipids. <i>PLoS ONE</i> , 2014, 9, e89628.	2.5	4
72	Periplaneta fuliginosa densovirus nonstructural protein NS1 contains an endonuclease activity that is regulated by its phosphorylation. <i>Virology</i> , 2013, 437, 1-11.	2.4	14

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73	Characterization of a Nodavirus Replicase Revealed a de Novo Initiation Mechanism of RNA Synthesis and Terminal Nucleotidyltransferase Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 30785-30801.	3.4	19
74	Membrane association of Wuhan nodavirus protein A is required for its ability to accumulate genomic RNA1 template. <i>Virology</i> , 2013, 439, 140-151.	2.4	8
75	Newly discovered insect RNA viruses in China. <i>Science China Life Sciences</i> , 2013, 56, 711-714.	4.9	2
76	The Nonstructural Protein 2C of a Picorna-Like Virus Displays Nucleic Acid Helix Destabilizing Activity That Can Be Functionally Separated from Its ATPase Activity. <i>Journal of Virology</i> , 2013, 87, 5205-5218.	3.4	26
77	A single nucleotide mutation in NS2A of Japanese encephalitis-live vaccine virus (SA14-14-2) ablates NS1 ^{ΔE} ™ formation and contributes to attenuation. <i>Journal of General Virology</i> , 2012, 93, 1959-1964.	2.9	83
78	Identification and characterization of RNA duplex unwinding and ATPase activities of an alphatetravirus superfamily 1 helicase. <i>Virology</i> , 2012, 433, 440-448.	2.4	18
79	Targeting of Dicer-2 and RNA by a Viral RNA Silencing Suppressor in <i>Drosophila</i> Cells. <i>Journal of Virology</i> , 2012, 86, 5763-5773.	3.4	46
80	Identification and characterization of Iflavivirus 3C-like protease processing activities. <i>Virology</i> , 2012, 428, 136-145.	2.4	24
81	RNA Binding by a Novel Helical Fold of B2 Protein from Wuhan Nodavirus Mediates the Suppression of RNA Interference and Promotes B2 Dimerization. <i>Journal of Virology</i> , 2011, 85, 9543-9554.	3.4	37
82	Internal Initiation Is Responsible for Synthesis of Wuhan Nodavirus Subgenomic RNA. <i>Journal of Virology</i> , 2011, 85, 4440-4451.	3.4	14