

Qiwei Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

2,503

citations

20

h-index

49

g-index

79

ext. papers

3,402

ext. citations

7

avg, IF

5.43

L-index

#	Paper	IF	Citations
63	Coronavirus infections and immune responses. <i>Journal of Medical Virology</i> , 2020 , 92, 424-432	19.7	987
62	Composition and divergence of coronavirus spike proteins and host ACE2 receptors predict potential intermediate hosts of SARS-CoV-2. <i>Journal of Medical Virology</i> , 2020 , 92, 595-601	19.7	412
61	Using the whole-genome sequence to characterize and name human adenoviruses. <i>Journal of Virology</i> , 2011 , 85, 5701-2	6.6	123
60	COVID-19: Coronavirus Vaccine Development Updates. <i>Frontiers in Immunology</i> , 2020 , 11, 602256	8.4	79
59	SARS-CoV-2 N protein promotes NLRP3 inflammasome activation to induce hyperinflammation. <i>Nature Communications</i> , 2021 , 12, 4664	17.4	73
58	V367F mutation in SARS-CoV-2 spike RBD emerging during the early transmission phase enhances viral infectivity through increased human ACE2 receptor binding affinity		66
57	Wild type and mutant 2009 pandemic influenza A (H1N1) viruses cause more severe disease and higher mortality in pregnant BALB/c mice. <i>PLoS ONE</i> , 2010 , 5, e13757	3.7	61
56	Re-emergent human adenovirus genome type 7d caused an acute respiratory disease outbreak in Southern China after a twenty-one year absence. <i>Scientific Reports</i> , 2014 , 4, 7365	4.9	53
55	V367F Mutation in SARS-CoV-2 Spike RBD Emerging during the Early Transmission Phase Enhances Viral Infectivity through Increased Human ACE2 Receptor Binding Affinity. <i>Journal of Virology</i> , 2021 , 95, e0061721	6.6	44
54	Genome sequence of human adenovirus type 55, a re-emergent acute respiratory disease pathogen in China. <i>Journal of Virology</i> , 2012 , 86, 12441-2	6.6	40
53	Construction and characterization of a replication-competent human adenovirus type 3-based vector as a live-vaccine candidate and a viral delivery vector. <i>Vaccine</i> , 2009 , 27, 1145-53	4.1	38
52	Fatal Community-acquired Pneumonia in Children Caused by Re-emergent Human Adenovirus 7d Associated with Higher Severity of Illness and Fatality Rate. <i>Scientific Reports</i> , 2016 , 6, 37216	4.9	34
51	Comparative genomic analysis of two strains of human adenovirus type 3 isolated from children with acute respiratory infection in southern China. <i>Journal of General Virology</i> , 2006 , 87, 1531-1541	4.9	34
50	Molecular Identification and Epidemiological Features of Human Adenoviruses Associated with Acute Respiratory Infections in Hospitalized Children in Southern China, 2012-2013. <i>PLoS ONE</i> , 2016 , 11, e0155412	3.7	32
49	Genomic analysis of a large set of currently-and historically-important human adenovirus pathogens. <i>Emerging Microbes and Infections</i> , 2018 , 7, 10	18.9	27
48	Bacteroides fragilis Strain ZY-312 Defense against Cronobacter sakazakii-Induced Necrotizing Enterocolitis and in a Neonatal Rat Model. <i>MSystems</i> , 2019 , 4,	7.6	26
47	Identification and typing of respiratory adenoviruses in Guangzhou, Southern China using a rapid and simple method. <i>Virologica Sinica</i> , 2013 , 28, 103-8	6.4	26

46	Genome sequence of the first human adenovirus type 14 isolated in China. <i>Journal of Virology</i> , 2012 , 86, 7019-20	6.6	25
45	Inhibition of G1P3 expression found in the differential display study on respiratory syncytial virus infection. <i>Virology Journal</i> , 2008 , 5, 114	6.1	22
44	Effective Suckling C57BL/6, Kunming, and BALB/c Mouse Models with Remarkable Neurological Manifestation for Zika Virus Infection. <i>Viruses</i> , 2017 , 9,	6.2	21
43	A Survey of Recent Adenoviral Respiratory Pathogens in Hong Kong Reveals Emergent and Recombinant Human Adenovirus Type 4 (HAdV-E4) Circulating in Civilian Populations. <i>Viruses</i> , 2019 , 11,	6.2	20
42	HIF-1 α promotes SARS-CoV-2 infection and aggravates inflammatory responses to COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 308	21	19
41	Tracking SARS-CoV-2 Omicron diverse spike gene mutations identifies multiple inter-variant recombination events.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 138	21	17
40	Temperature dependence of the SARS-CoV-2 affinity to human ACE2 determines COVID-19 progression and clinical outcome. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 161-167	6.8	16
39	Comparative genomic analysis of two emergent human adenovirus type 14 respiratory pathogen isolates in China reveals similar yet divergent genomes. <i>Emerging Microbes and Infections</i> , 2017 , 6, e92	18.9	15
38	Applying genomic and bioinformatic resources to human adenovirus genomes for use in vaccine development and for applications in vector development for gene delivery. <i>Viruses</i> , 2010 , 2, 1-26	6.2	15
37	Comparative Genomic Analysis of Re-emergent Human Adenovirus Type 55 Pathogens Associated With Adult Severe Community-Acquired Pneumonia Reveals Conserved Genomes and Capsid Proteins. <i>Frontiers in Microbiology</i> , 2018 , 9, 1180	5.7	12
36	The N-terminal domain of EspF induces host cell apoptosis after infection with enterohaemorrhagic Escherichia coli O157:H7. <i>PLoS ONE</i> , 2013 , 8, e55164	3.7	12
35	Computational approach for predicting the conserved B-cell epitopes of hemagglutinin H7 subtype influenza virus. <i>Experimental and Therapeutic Medicine</i> , 2016 , 12, 2439-2446	2.1	11
34	MicroRNA-101-3p Downregulates TLR2 Expression, Leading to Reduction in Cytokine Production by Treponema pallidum-Stimulated Macrophages. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 1566-1575.e1	4.3	9
33	The EspF N-Terminal of Enterohemorrhagic O157:H7 EDL933w Imparts Stronger Toxicity Effects on HT-29 Cells than the C-Terminal. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 410	5.9	9
32	Parental LTRs are important in a construct of a stable and efficient replication-competent infectious molecular clone of HIV-1 CRF08_BC. <i>PLoS ONE</i> , 2012 , 7, e31233	3.7	8
31	Rapid Construction of a Replication-Competent Infectious Clone of Human Adenovirus Type 14 by Gibson Assembly. <i>Viruses</i> , 2018 , 10,	6.2	8
30	Household Transmission of Human Adenovirus Type 55 in Case of Fatal Acute Respiratory Disease. <i>Emerging Infectious Diseases</i> , 2019 , 25, 1756-1758	10.2	7
29	Pitfalls of restriction enzyme analysis in identifying, characterizing, typing, and naming viral pathogens in the era of whole genome data, as illustrated by HAdV type 55. <i>Virologica Sinica</i> , 2016 , 31, 448-453	6.4	7

28	A recombinant replication-defective human adenovirus type 3: a vaccine candidate. <i>Vaccine</i> , 2009 , 27, 116-22	4.1	6
27	COVID-19: Antiviral Agents, Antibody Development and Traditional Chinese Medicine. <i>Virologica Sinica</i> , 2020 , 35, 685-698	6.4	6
26	DENV NS1 and MMP-9 cooperate to induce vascular leakage by altering endothelial cell adhesion and tight junction. <i>PLoS Pathogens</i> , 2021 , 17, e1008603	7.6	6
25	Characterization of Influenza A and B Viruses Circulating in Southern China During the 2017-2018 Season. <i>Frontiers in Microbiology</i> , 2020 , 11, 1079	5.7	5
24	Screening for host proteins interacting with Escherichia coli O157:H7 EspF using bimolecular fluorescence complementation. <i>Future Microbiology</i> , 2018 , 13, 37-58	2.9	5
23	Molecular Typing of Human Respiratory Adenoviruses with Universal PCR and Sequencing Primers for Three Major Capsid Genes: Penton base, Hexon, and Fiber		5
22	In vitro selection of HIV-1 CRF08_BC variants resistant to reverse transcriptase inhibitors. <i>AIDS Research and Human Retroviruses</i> , 2015 , 31, 260-70	1.6	4
21	Immunohistochemical Characterization and Sensitivity to Human Adenovirus Serotypes 3, 5, and 11p of New Cell Lines Derived from Human Diffuse Grade II to IV Gliomas. <i>Translational Oncology</i> , 2017 , 10, 772-779	4.9	4
20	A novel mutation, D404N, in the connection subdomain of reverse transcriptase of HIV-1 CRF08_BC subtype confers cross-resistance to NNRTIs. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1381-90	5.1	4
19	Complete genome analysis of a novel E3-partial-deleted human adenovirus type 7 strain isolated in Southern China. <i>Virology Journal</i> , 2011 , 8, 91	6.1	4
18	Prokaryotic expression and polyclonal antibody preparation of novel ZLG10 protein involved in infection of RSV on SPC-A1 cells. <i>Protein Expression and Purification</i> , 2005 , 41, 170-6	2	4
17	Sox4 represses host innate immunity to facilitate pathogen infection by hijacking the TLR signaling networks. <i>Virulence</i> , 2021 , 12, 704-722	4.7	4
16	Construction and Characterization of a Novel Recombinant Attenuated and Replication-Deficient Candidate Human Adenovirus Type 3 Vaccine: "Adenovirus Vaccine Within an Adenovirus Vector". <i>Virologica Sinica</i> , 2021 , 36, 354-364	6.4	3
15	MicroRNA expression profiling of peripheral blood mononuclear cells associated with syphilis. <i>BMC Infectious Diseases</i> , 2020 , 20, 165	4	3
14	Evaluation and Comparison of Newly Built Linear B-Cell Epitope Prediction Software from a UsersU Perspective. <i>Current Bioinformatics</i> , 2018 , 13, 149-156	4.7	3
13	Novel Mutations L228I and Y232H Cause Nonnucleoside Reverse Transcriptase Inhibitor Resistance in Combinational Pattern. <i>AIDS Research and Human Retroviruses</i> , 2016 , 32, 909-17	1.6	3
12	Research advancements in the neurological presentation of flaviviruses. <i>Reviews in Medical Virology</i> , 2019 , 29, e2021	11.7	3
11	Preliminary investigation of the role of BTB domain-containing 3 gene in the proliferation and metastasis of hepatocellular carcinoma. <i>Oncology Letters</i> , 2017 , 14, 2505-2510	2.6	2

10	SARS-CoV-2 N promotes the NLRP3 inflammasome activation to induce hyperinflammation		2
9	Genomic Elucidation of a COVID-19 Resurgence and Local Transmission of SARS-CoV-2 in Guangzhou, China. <i>Journal of Clinical Microbiology</i> , 2021 , 59, e0007921	9.7	2
8	Genome Sequence of a Cynomolgus Macaque Adenovirus (CynAdV-1) Isolate from a Primate Colony in the United Kingdom. <i>Genome Announcements</i> , 2016 , 4,		2
7	Mechanism of Cross-Resistance to Fusion Inhibitors Conferred by the K394R Mutation in Respiratory Syncytial Virus Fusion Protein. <i>Journal of Virology</i> , 2021 , 95, e0120521	6.6	2
6	Optimization of loop-mediated isothermal amplification (LAMP) assay for robust visualization in SARS-CoV-2 and emerging variants diagnosis.. <i>Chemical Engineering Science</i> , 2022 , 251, 117430	4.4	1
5	Sericin and sericin-derived peptide alleviate viral pathogenesis in mice though inhibiting lactate production and facilitating antiviral response. <i>Applied Materials Today</i> , 2021 , 25, 101256	6.6	1
4	Bacteroides fragilis defense against Cronobacter sakazakii-induced pathogenicity by regulating the intestinal epithelial barrier function and attenuating both apoptotic and pyroptotic cell death		1
3	Desmoglein 2 (DSG2) Is A Receptor of Human Adenovirus Type 55 Causing Adult Severe Community-Acquired Pneumonia. <i>Virologica Sinica</i> , 2021 , 1	6.4	0
2	Development and Application of a Fast Method to Acquire the Accurate Whole-Genome Sequences of Human Adenoviruses. <i>Frontiers in Microbiology</i> , 2021 , 12, 661382	5.7	
1	High-Throughput Screening and Identification of Human Adenovirus Type 5 Inhibitors.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 767578	5.9	