

Bin Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,730
citations

279701

23
h-index

395590

33
g-index

37
all docs

37
docs citations

37
times ranked

4960
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. <i>Nature</i> , 2022, 602, 307-313.	13.7	79
2	SARS-CoV-2 spike D614G change enhances replication and transmission. <i>Nature</i> , 2021, 592, 122-127.	13.7	440
3	Age-specific effects of vaccine egg adaptation and immune priming on A(H3N2) antibody responses following influenza vaccination. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	16
4	Susceptibility to SARS-CoV-2 of Cell Lines and Substrates Commonly Used to Diagnose and Isolate Influenza and Other Viruses. <i>Emerging Infectious Diseases</i> , 2021, 27, 1380-1392.	2.0	21
5	N-glycosylation profiles of the SARS-CoV-2 spike D614G mutant and its ancestral protein characterized by advanced mass spectrometry. <i>Scientific Reports</i> , 2021, 11, 23561.	1.6	14
6	A rapid and label-free platform for virus capture and identification from clinical samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 895-901.	3.3	157
7	Glycomic analysis of host response reveals high mannose as a key mediator of influenza severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26926-26935.	3.3	39
8	iGenomics: Comprehensive DNA sequence analysis on your Smartphone. <i>GigaScience</i> , 2020, 9, .	3.3	19
9	Human Monoclonal Antibody Derived from Transchromosomal Cattle Neutralizes Multiple H1 Clades of Influenza A Virus by Recognizing a Novel Conformational Epitope in the Hemagglutinin Head Domain. <i>Journal of Virology</i> , 2020, 94, .	1.5	6
10	Cell-to-Cell Variation in Defective Virus Expression and Effects on Host Responses during Influenza Virus Infection. <i>MBio</i> , 2020, 11, .	1.8	38
11	Microbial Composition of the Human Nasopharynx Varies According to Influenza Virus Type and Vaccination Status. <i>MBio</i> , 2019, 10, .	1.8	34
12	Multiplex Reverse Transcription-PCR for Simultaneous Surveillance of Influenza A and B Viruses. <i>Journal of Clinical Microbiology</i> , 2017, 55, 3492-3501.	1.8	29
13	Integrative gene network analysis identifies key signatures, intrinsic networks and host factors for influenza virus A infections. <i>Npj Systems Biology and Applications</i> , 2017, 3, 35.	1.4	11
14	Pathogenicity of modified bat influenza virus with different M genes and its reassortment potential with swine influenza A virus. <i>Journal of General Virology</i> , 2017, 98, 577-584.	1.3	15
15	Reversion of Cold-Adapted Live Attenuated Influenza Vaccine into a Pathogenic Virus. <i>Journal of Virology</i> , 2016, 90, 8454-8463.	1.5	42
16	Quantifying influenza virus diversity and transmission in humans. <i>Nature Genetics</i> , 2016, 48, 195-200.	9.4	182
17	Equine and Canine Influenza H3N8 Viruses Show Minimal Biological Differences Despite Phylogenetic Divergence. <i>Journal of Virology</i> , 2015, 89, 6860-6873.	1.5	36
18	Differential Susceptibilities of Human Lung Primary Cells to H1N1 Influenza Viruses. <i>Journal of Virology</i> , 2015, 89, 11935-11944.	1.5	31

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19	The contrasting phylodynamics of human influenza B viruses. <i>ELife</i> , 2015, 4, e05055.	2.8	166
20	Characterization of Uncultivable Bat Influenza Virus Using a Replicative Synthetic Virus. <i>PLoS Pathogens</i> , 2014, 10, e1004420.	2.1	58
21	Universal Influenza B Virus Genomic Amplification Facilitates Sequencing, Diagnostics, and Reverse Genetics. <i>Journal of Clinical Microbiology</i> , 2014, 52, 1330-1337.	1.8	86
22	Analysis of Recombinant H7N9 Wild-Type and Mutant Viruses in Pigs Shows that the Q226L Mutation in HA Is Important for Transmission. <i>Journal of Virology</i> , 2014, 88, 8153-8165.	1.5	52
23	Sequencing viral genomes from a single isolated plaque. <i>Virology Journal</i> , 2013, 10, 181.	1.4	16
24	Synthetic Generation of Influenza Vaccine Viruses for Rapid Response to Pandemics. <i>Science Translational Medicine</i> , 2013, 5, 185ra68.	5.8	164
25	Asparagine Substitution at PB2 Residue 701 Enhances the Replication, Pathogenicity, and Transmission of the 2009 Pandemic H1N1 Influenza A Virus. <i>PLoS ONE</i> , 2013, 8, e67616.	1.1	54
26	Engineering temperature sensitive live attenuated influenza vaccines from emerging viruses. <i>Vaccine</i> , 2012, 30, 3691-3702.	1.7	34
27	Influenza A Virus Molecular Virology Techniques. <i>Methods in Molecular Biology</i> , 2012, 865, 175-192.	0.4	82
28	Innate Immune Response of Human Alveolar Macrophages during Influenza A Infection. <i>PLoS ONE</i> , 2012, 7, e29879.	1.1	113
29	Reverse genetics plasmid for cloning unstable Influenza A virus gene segments. <i>Journal of Virological Methods</i> , 2011, 173, 378-383.	1.0	19
30	PB2 Residue 158 Is a Pathogenic Determinant of Pandemic H1N1 and H5 Influenza A Viruses in Mice. <i>Journal of Virology</i> , 2011, 85, 357-365.	1.5	118
31	NS-based live attenuated H1N1 pandemic vaccines protect mice and ferrets. <i>Vaccine</i> , 2010, 28, 8015-8025.	1.7	48
32	Single-Reaction Genomic Amplification Accelerates Sequencing and Vaccine Production for Classical and Swine Origin Human Influenza A Viruses. <i>Journal of Virology</i> , 2009, 83, 10309-10313.	1.5	493
33	Purification and characterization of RGD tumor-homing peptide conjugated human tumor necrosis factor I α over-expressed in <i>Escherichia coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 231-239.	1.2	7