

# Tao Jiang

## List of Publications by Year in Descending Order

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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.

73  
papers

1,824  
citations

24  
h-index

40  
g-index

75  
ext. papers

2,246  
ext. citations

7.7  
avg, IF

4.22  
L-index

#	Paper	IF	Citations
73	Deep learning based on biologically interpretable genome representation predicts two types of human adaptation of SARS-CoV-2 variants.. <i>Briefings in Bioinformatics</i> , <b>2022</b> ,	13.4	1
72	An integrated rapid nucleic acid detection assay based on recombinant polymerase amplification for SARS-CoV-2.. <i>Virologica Sinica</i> , <b>2022</b> ,	6.4	0
71	Simultaneous Detection of Seven Human Coronaviruses by Multiplex PCR and MALDI-TOF MS. <i>Covid</i> , <b>2022</b> , 2, 5-17		0
70	Convolutional Neural Networks Based on Sequential Spike Predict the High Human Adaptation of SARS-CoV-2 Omicron Variants. <i>Viruses</i> , <b>2022</b> , 14, 1072	6.2	1
69	Dual R108K and G189D Mutations in the NS1 Protein of A/H1N1 Influenza Virus Counteract Host Innate Immune Responses. <i>Viruses</i> , <b>2021</b> , 13,	6.2	1
68	Etiological and epidemiological features of acute respiratory infections in China. <i>Nature Communications</i> , <b>2021</b> , 12, 5026	17.4	12
67	Somatic SF3B1 hotspot mutation in prolactinomas. <i>Nature Communications</i> , <b>2020</b> , 11, 2506	17.4	18
66	Development of an automatic integrated gene detection system for novel severe acute respiratory syndrome-related coronavirus (SARS-CoV2). <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 1489-1496	18.9	15
65	Machine Learning Methods for Predicting Human-Adaptive Influenza A Viruses Based on Viral Nucleotide Compositions. <i>Molecular Biology and Evolution</i> , <b>2020</b> , 37, 1224-1236	8.3	19
64	Reverse Transcription Recombinase Polymerase Amplification Assays for Rapid Detection of Tick-Borne Encephalitis Virus Infection. <i>Virologica Sinica</i> , <b>2019</b> , 34, 338-341	6.4	1
63	NeoDTI: neural integration of neighbor information from a heterogeneous network for discovering new drug-target interactions. <i>Bioinformatics</i> , <b>2019</b> , 35, 104-111	7.2	97
62	A Sensitive Nano Luciferase Immune Complex Assay System for Highly Sensitive and Specific Detection of Antibodies Against Tick-Borne Encephalitis Virus. <i>Vector-Borne and Zoonotic Diseases</i> , <b>2019</b> , 19, 365-369	2.4	0
61	Development of a chimeric Zika vaccine using a licensed live-attenuated flavivirus vaccine as backbone. <i>Nature Communications</i> , <b>2018</b> , 9, 673	17.4	60
60	Integrative Analysis of Zika Virus Genome RNA Structure Reveals Critical Determinants of Viral Infectivity. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 875-886.e5	23.4	52
59	Features of Ebola Virus Disease at the Late Outbreak Stage in Sierra Leone: Clinical, Virological, Immunological, and Evolutionary Analyses. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 1107-1110	7	6
58	Phylogenetic and genetic characterization of a 2017 clinical isolate of H7N9 virus in Guangzhou, China during the fifth epidemic wave. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 1331-1339	8.5	7
57	Characterization of -Acting RNA Elements of Zika Virus by Using a Self-Splicing Ribozyme-Dependent Infectious Clone. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	29

56	Isolation, identification and genomic characterization of the Asian lineage Zika virus imported to China. <i>Science China Life Sciences</i> , <b>2016</b> , 59, 428-30	8.5	84
55	A bispecific antibody effectively neutralizes all four serotypes of dengue virus by simultaneous blocking virus attachment and fusion. <i>MABs</i> , <b>2016</b> , 8, 574-84	6.6	18
54	Intracellular delivery of biomimetic monoclonal antibodies to combat viral infection. <i>Chemical Communications</i> , <b>2016</b> , 52, 1879-82	5.8	9
53	Viral RNA switch mediates the dynamic control of flavivirus replicase recruitment by genome cyclization. <i>ELife</i> , <b>2016</b> , 5,	8.9	47
52	High thermostability of the newly emerged influenza A (H7N9) virus. <i>Journal of Infection</i> , <b>2016</b> , 72, 393-418.9	4.8	0
51	Homologous recombination of Zika viruses in the Americas. <i>Journal of Infection</i> , <b>2016</b> , 73, 87-8	18.9	5
50	Genomic characterization and phylogenetic analysis of Zika virus circulating in the Americas. <i>Infection, Genetics and Evolution</i> , <b>2016</b> , 43, 43-9	4.5	81
49	A potent broad-spectrum protective human monoclonal antibody crosslinking two haemagglutinin monomers of influenza A virus. <i>Nature Communications</i> , <b>2015</b> , 6, 7708	17.4	101
48	Mouse lung-adapted mutation of E190G in hemagglutinin from H5N1 influenza virus contributes to attenuation in mice. <i>Journal of Medical Virology</i> , <b>2015</b> , 87, 1816-22	19.7	3
47	H5N1 influenza A virus with K193E and G225E double mutations in haemagglutinin is attenuated and immunogenic in mice. <i>Journal of General Virology</i> , <b>2015</b> , 96, 2522-2530	4.9	2
46	Generation and characterization of a protective mouse monoclonal antibody against human enterovirus 71. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 7663-71	5.7	10
45	Characterization of a Novel Dengue Serotype 4 Virus-Specific Neutralizing Epitope on the Envelope Protein Domain III. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139741	3.7	7
44	A novel reporter system for neutralizing and enhancing antibody assay against dengue virus. <i>BMC Microbiology</i> , <b>2014</b> , 14, 44	4.5	11
43	Occurrence and reassortment of avian influenza A (H7N9) viruses derived from coinfecting birds in China. <i>Journal of Virology</i> , <b>2014</b> , 88, 13344-51	6.6	13
42	Severe dengue outbreak in Yunnan, China, 2013. <i>International Journal of Infectious Diseases</i> , <b>2014</b> , 27, 4-6	10.5	47
41	Induction of neutralizing antibodies against four serotypes of dengue viruses by MixBiEDIII, a tetravalent dengue vaccine. <i>PLoS ONE</i> , <b>2014</b> , 9, e86573	3.7	22
40	U4 at the 3'UTR of PB1 segment of H5N1 influenza virus promotes RNA polymerase activity and contributes to viral pathogenicity. <i>PLoS ONE</i> , <b>2014</b> , 9, e93366	3.7	6
39	In vitro characterization of human adenovirus type 55 in comparison with its parental adenoviruses, types 11 and 14. <i>PLoS ONE</i> , <b>2014</b> , 9, e100665	3.7	14

38	Development of reverse-transcription loop-mediated isothermal amplification assay for rapid detection of novel avian influenza A (H7N9) virus. <i>BMC Microbiology</i> , <b>2014</b> , 14, 271	4.5	16
37	Isolation and characterization of dengue virus serotype 2 from the large dengue outbreak in Guangdong, China in 2014. <i>Science China Life Sciences</i> , <b>2014</b> , 57, 1149-55	8.5	24
36	Methylprednisolone treatment fails to protect mice from the H5N1 influenza A virus-induced proinflammatory response and mortality. <i>Journal of Infection</i> , <b>2014</b> , 69, 297-9	18.9	1
35	Parallel mRNA and microRNA profiling of HEV71-infected human neuroblastoma cells reveal the up-regulation of miR-1246 in association with DLG3 repression. <i>PLoS ONE</i> , <b>2014</b> , 9, e95272	3.7	28
34	Development and characterization of the replicon system of Japanese encephalitis live vaccine virus SA14-14-2. <i>Virology Journal</i> , <b>2013</b> , 10, 64	6.1	19
33	A chimeric dengue virus vaccine using Japanese encephalitis virus vaccine strain SA14-14-2 as backbone is immunogenic and protective against either parental virus in mice and nonhuman primates. <i>Journal of Virology</i> , <b>2013</b> , 87, 13694-705	6.6	43
32	Genomic analysis of HAdV-B14 isolate from the outbreak of febrile respiratory infection in China. <i>Genomics</i> , <b>2013</b> , 102, 448-55	4.3	11
31	Severe dengue due to secondary DENV-1 infection in Mainland China. <i>Journal of Clinical Virology</i> , <b>2013</b> , 57, 184-6	14.5	5
30	Novel cis-acting element within the capsid-coding region enhances flavivirus viral-RNA replication by regulating genome cyclization. <i>Journal of Virology</i> , <b>2013</b> , 87, 6804-18	6.6	59
29	Rational design of thermostable vaccines by engineered peptide-induced virus self-biomineralization under physiological conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 7619-24	11.5	107
28	Global transcriptomic analysis of human neuroblastoma cells in response to enterovirus type 71 infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e65948	3.7	25
27	An Efficient Algorithm for Haplotype Inference on Pedigrees with a Small Number of Recombinants. <i>Algorithmica</i> , <b>2012</b> , 62, 951-981	0.9	2
26	Development of RT-LAMP and real-time RT-PCR assays for the rapid detection of the new duck Tembusu-like BYD virus. <i>Archives of Virology</i> , <b>2012</b> , 157, 2273-80	2.6	31
25	Co-circulation of two genotypes of dengue virus serotype 3 in Guangzhou, China, 2009. <i>Virology Journal</i> , <b>2012</b> , 9, 125	6.1	30
24	Genomic and antigenic characterization of the newly emerging Chinese duck egg-drop syndrome flavivirus: genomic comparison with Tembusu and Sitiawan viruses. <i>Journal of General Virology</i> , <b>2012</b> , 93, 2158-2170	4.9	78
23	Complete genome sequence of a chikungunya virus isolated in Guangdong, China. <i>Journal of Virology</i> , <b>2012</b> , 86, 8904-5	6.6	13
22	Complete genome sequence of a dengue virus serotype 4 strain isolated in Guangdong, China. <i>Journal of Virology</i> , <b>2012</b> , 86, 7021-2	6.6	10
21	Complete genome sequence of dengue virus serotype 2 Cosmopolitan genotype strain in Guangdong, China. <i>Journal of Virology</i> , <b>2012</b> , 86, 13808-9	6.6	8

20	Complete genome sequence analysis of human echovirus type 30 isolated in China. <i>Journal of Virology</i> , <b>2012</b> , 86, 13856-7	6.6	2
19	In vitro and in vivo characterization of a new enterovirus type 71-specific human intravenous immunoglobulin manufactured from selected plasma donors. <i>Journal of Clinical Virology</i> , <b>2011</b> , 51, 246-9 <sup>14.5</sup>	14.5	21
18	A DNA-based West Nile virus replicon elicits humoral and cellular immune responses in mice. <i>Journal of Virological Methods</i> , <b>2011</b> , 178, 87-93	2.6	11
17	Antibody dependent enhancement infection of enterovirus 71 in vitro and in vivo. <i>Virology Journal</i> , <b>2011</b> , 8, 106	6.1	51
16	CpG oligodeoxynucleotides protect against the 2009 H1N1 pandemic influenza virus infection in a murine model. <i>Antiviral Research</i> , <b>2011</b> , 89, 124-6	10.8	21
15	Retinoic acid inducible gene-I and melanoma differentiation-associated gene 5 are induced but not essential for dengue virus induced type I interferon response. <i>Molecular Biology Reports</i> , <b>2011</b> , 38, 3867-73 <sup>2.8</sup>	2.8	16
14	Complete genome sequence analysis of tick-borne encephalitis viruses isolated in northeastern China. <i>Archives of Virology</i> , <b>2011</b> , 156, 1485-8	2.6	11
13	Cross protection against lethal West Nile virus challenge in mice immunized with recombinant E protein domain III of Japanese encephalitis virus. <i>Immunology Letters</i> , <b>2011</b> , 138, 156-60	4.1	11
12	Development and evaluation of a reverse transcription-loop-mediated isothermal amplification assay for rapid detection of enterovirus 71. <i>Journal of Clinical Microbiology</i> , <b>2011</b> , 49, 870-4	9.7	24
11	A broadly flavivirus cross-neutralizing monoclonal antibody that recognizes a novel epitope within the fusion loop of E protein. <i>PLoS ONE</i> , <b>2011</b> , 6, e16059	3.7	115
10	RNA elements within the 5' untranslated region of the West Nile virus genome are critical for RNA synthesis and virus replication. <i>Journal of General Virology</i> , <b>2010</b> , 91, 1218-23	4.9	25
9	Clinical and immunological characteristics of patients with 2009 pandemic influenza A (H1N1) virus infection after vaccination. <i>Clinical Infectious Diseases</i> , <b>2010</b> , 51, 1028-32	11.6	12
8	Community transmission of pandemic influenza A (H1N1) in China. <i>Infection Control and Hospital Epidemiology</i> , <b>2010</b> , 31, 961-3	2	1
7	A duplex real-time RT-PCR assay for detecting H5N1 avian influenza virus and pandemic H1N1 influenza virus. <i>Virology Journal</i> , <b>2010</b> , 7, 113	6.1	14
6	Development of a real-time RT-PCR assay for a novel influenza A (H1N1) virus. <i>Journal of Virological Methods</i> , <b>2010</b> , 163, 470-3	2.6	21
5	Translational regulation by the 3' untranslated region of the dengue type 2 virus genome. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2009</b> , 81, 817-24	3.2	24
4	Induction of tetravalent protective immunity against four dengue serotypes by the tandem domain III of the envelope protein. <i>DNA and Cell Biology</i> , <b>2007</b> , 26, 361-7	3.6	40
3	Immunogenicity and protective efficacy in monkeys of purified inactivated Vero-cell SARS vaccine. <i>Vaccine</i> , <b>2006</b> , 24, 1028-34	4.1	57

- 2 Simultaneous infection with dengue 2 and 3 viruses in a Chinese patient return from Sri Lanka. *Journal of Clinical Virology*, **2005**, 32, 194-8 14.5 21
- 1 A genome sequence of novel SARS-CoV isolates: the genotype, GD-Ins29, leads to a hypothesis of viral transmission in South China. *Genomics, Proteomics and Bioinformatics*, **2003**, 1, 101-7 6.5 13