

# Tao Jiang

## List of Publications by Citations

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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 | 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       |
| 72 | 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       |
| 71 | 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       |
| 70 | 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        |
| 69 | 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        |
| 68 | 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        |
| 67 | 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        |
| 66 | 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        |
| 65 | 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        |
| 64 | 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        |
| 63 | 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        |
| 62 | Antibody dependent enhancement infection of enterovirus 71 in vitro and in vivo. <i>Virology Journal</i> , <b>2011</b> , 8, 106  | 6.1  | 51        |
| 61 | Severe dengue outbreak in Yunnan, China, 2013. <i>International Journal of Infectious Diseases</i> , <b>2014</b> , 27, 4-6   | 10.5 | 47        |
| 60 | Viral RNA switch mediates the dynamic control of flavivirus replicase recruitment by genome cyclization. <i>ELife</i> , <b>2016</b> , 5,   | 8.9  | 47        |
| 59 | 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        |
| 58 | 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        |
| 57 | 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        |

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| 56 | 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 |
| 55 | Characterization of $\omega$ -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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Simultaneous infection with dengue 2 and 3 viruses in a Chinese patient return from Sri Lanka. <i>Journal of Clinical Virology</i> , <b>2005</b> , 32, 194-8   | 14.5 | 21 |
| 43 | 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 |
| 42 | 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 |
| 41 | Somatic SF3B1 hotspot mutation in prolactinomas. <i>Nature Communications</i> , <b>2020</b> , 11, 2506   | 17.4 | 18 |
| 40 | 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 |
| 39 | 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 |

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| 38 | 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 | 2.8  | 16 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | A genome sequence of novel SARS-CoV isolates: the genotype, GD-Ins29, leads to a hypothesis of viral transmission in South China. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2003</b> , 1, 101-7                     | 6.5  | 13 |
| 31 | 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 |
| 30 | Etiological and epidemiological features of acute respiratory infections in China. <i>Nature Communications</i> , <b>2021</b> , 12, 5026  | 17.4 | 12 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Intracellular delivery of biomimetic monoclonal antibodies to combat viral infection. <i>Chemical Communications</i> , <b>2016</b> , 52, 1879-82  | 5.8  | 9  |
| 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  |

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| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | Homologous recombination of Zika viruses in the Americas. <i>Journal of Infection</i> , <b>2016</b> , 73, 87-8  | 18.9 | 5 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9  | 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 |
| 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  | 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 |
| 6  | 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 |
| 5  | 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 |
| 4  | 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 |
| 3  | High thermostability of the newly emerged influenza A (H7N9) virus. <i>Journal of Infection</i> , <b>2016</b> , 72, 393-4   | 18.9 | 0 |

- 2 A Sensitive Nano Luciferase Immune Complex Assay System for Highly Sensitive and Specific Detection of Antibodies Against Tick-Borne Encephalitis Virus. *Vector-Borne and Zoonotic Diseases*, **2019**, 19, 365-369 2.4 ○
- 1 Simultaneous Detection of Seven Human Coronaviruses by Multiplex PCR and MALDI-TOF MS. *Covid*, **2022**, 2, 5-17 ○