

Wenjie Tan

List of Publications by Year in descending order

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91
papers

45,666
citations

81900

39
h-index

39675

94
g-index

100
all docs

100
docs citations

100
times ranked

71172
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Epidemiology of Viruses Causing Pediatric Community Acquired Pneumonia in Shanghai During 2010–2020: What Happened Before and After the COVID-19 Outbreak?. <i>Infectious Diseases and Therapy</i> , 2022, 11, 165-174. | 4.0 | 10 |
| 2 | DNA Vaccines Expressing the Envelope and Membrane Proteins Provide Partial Protection Against SARS-CoV-2 in Mice. <i>Frontiers in Immunology</i> , 2022, 13, 827605. | 4.8 | 17 |
| 3 | Restriction-Assembly: A Solution to Construct Novel Adenovirus Vector. <i>Viruses</i> , 2022, 14, 546. | 3.3 | 7 |
| 4 | Genetic tracing of HCoV-19 for the re-emerging outbreak of COVID-19 in Beijing, China. <i>Protein and Cell</i> , 2021, 12, 4-6. | 11.0 | 13 |
| 5 | A single-dose mRNA vaccine provides a long-term protection for hACE2 transgenic mice from SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 776. | 12.8 | 65 |
| 6 | Ferritin nanoparticle-based SARS-CoV-2 RBD vaccine induces a persistent antibody response and long-term memory in mice. <i>Cellular and Molecular Immunology</i> , 2021, 18, 749-751. | 10.5 | 60 |
| 7 | Structural basis for the inhibition of the SARS-CoV-2 main protease by the anti-HCV drug nardaprevir. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 51. | 17.1 | 20 |
| 8 | Co-Immunization With CHIKV VLP and DNA Vaccines Induces a Promising Humoral Response in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 655743. | 4.8 | 9 |
| 9 | Bardoxolone and bardoxolone methyl, two Nrf2 activators in clinical trials, inhibit SARS-CoV-2 replication and its 3C-like protease. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 212. | 17.1 | 25 |
| 10 | Etiology of Severe Pneumonia in Children in Alveolar Lavage Fluid Using a High-Throughput Gene Targeted Amplicon Sequencing Assay. <i>Frontiers in Pediatrics</i> , 2021, 9, 659164. | 1.9 | 10 |
| 11 | Profiles of SARS-CoV-2 RNA and Antibodies in Inpatients with COVID-19 not Related with Clinical Manifestation: A Single Centre Study. <i>Virologica Sinica</i> , 2021, 36, 1088-1092. | 3.0 | 0 |
| 12 | A broadly neutralizing humanized ACE2-targeting antibody against SARS-CoV-2 variants. <i>Nature Communications</i> , 2021, 12, 5000. | 12.8 | 37 |
| 13 | Mechanism of Microbial Metabolite Leupeptin in the Treatment of COVID-19 by Traditional Chinese Medicine Herbs. <i>MBio</i> , 2021, 12, e0222021. | 4.1 | 23 |
| 14 | Orthogonal genome-wide screens of bat cells identify MTHFD1 as a target of broad antiviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 19 |
| 15 | SARS-CoV-2's origin should be investigated worldwide for pandemic prevention. <i>Lancet, The</i> , 2021, 398, 1299-1303. | 13.7 | 19 |
| 16 | Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 5654. | 12.8 | 89 |
| 17 | Network-Based Identification and Experimental Validation of Drug Candidates Toward SARS-CoV-2 via Targeting Virus–Host Interactome. <i>Frontiers in Genetics</i> , 2021, 12, 728960. | 2.3 | 7 |
| 18 | <i>Scutellaria baicalensis</i> extract and baicalein inhibit replication of SARS-CoV-2 and its 3C-like protease <i>in vitro</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 497-503. | 5.2 | 206 |

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|----|---|------|-----------|
| 19 | Development and optimized pairing of mouse monoclonal antibodies for detecting hemagglutinin in novel H7 subtype influenza viruses. <i>Science China Life Sciences</i> , 2020, 63, 279-289. | 4.9 | 4 |
| 20 | Development and Evaluation of a Universal and Supersensitive NS1-Based Luciferase Immunosorbent Assay to Detect Zika Virus-Specific IgG. <i>Virologica Sinica</i> , 2020, 35, 93-102. | 3.0 | 5 |
| 21 | Non-invasive bioluminescence imaging of HCoV-OC43 infection and therapy in the central nervous system of live mice. <i>Antiviral Research</i> , 2020, 173, 104646. | 4.1 | 38 |
| 22 | Lack of antibody-mediated cross-protection between SARS-CoV-2 and SARS-CoV infections. <i>EBioMedicine</i> , 2020, 58, 102890. | 6.1 | 25 |
| 23 | The pathogenicity of SARS-CoV-2 in hACE2 transgenic mice. <i>Nature</i> , 2020, 583, 830-833. | 27.8 | 992 |
| 24 | Comparative Transcriptome Analysis Reveals the Intensive Early Stage Responses of Host Cells to SARS-CoV-2 Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 593857. | 3.5 | 62 |
| 25 | NS1-based DNA vaccination confers mouse protective immunity against ZIKV challenge. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104521. | 2.3 | 7 |
| 26 | Immune suppression in the early stage of COVID-19 disease. <i>Nature Communications</i> , 2020, 11, 5859. | 12.8 | 161 |
| 27 | Morphogenesis and cytopathic effect of SARS-CoV-2 infection in human airway epithelial cells. <i>Nature Communications</i> , 2020, 11, 3910. | 12.8 | 271 |
| 28 | Both Boceprevir and GC376 efficaciously inhibit SARS-CoV-2 by targeting its main protease. <i>Nature Communications</i> , 2020, 11, 4417. | 12.8 | 394 |
| 29 | A noncompeting pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2. <i>Science</i> , 2020, 368, 1274-1278. | 12.6 | 964 |
| 30 | Increased Pathogenicity and Virulence of Middle East Respiratory Syndrome Coronavirus Clade B <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Virology</i> , 2020, 94, . | 3.4 | 2 |
| 31 | Detection of SARS-CoV-2 in Different Types of Clinical Specimens. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1843-1844. | 7.4 | 3,876 |
| 32 | Susceptibility of ferrets, cats, dogs, and other domesticated animals to SARS-CoV-2. <i>Science</i> , 2020, 368, 1016-1020. | 12.6 | 1,537 |
| 33 | A distinct name is needed for the new coronavirus. <i>Lancet, The</i> , 2020, 395, 949. | 13.7 | 312 |
| 34 | A Novel Coronavirus from Patients with Pneumonia in China, 2019. <i>New England Journal of Medicine</i> , 2020, 382, 727-733. | 27.0 | 21,542 |
| 35 | Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding. <i>Lancet, The</i> , 2020, 395, 565-574. | 13.7 | 9,430 |
| 36 | Genome Composition and Divergence of the Novel Coronavirus (2019-nCoV) Originating in China. <i>Cell Host and Microbe</i> , 2020, 27, 325-328. | 11.0 | 1,860 |

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|----|--|------|-----------|
| 37 | Non-replicating Vaccinia Virus TianTan Strain (NTV) Translation Arrest of Viral Late Protein Synthesis Associated With Anti-viral Host Factor SAMD9. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 116. | 3.9 | 4 |
| 38 | Summary of the Detection Kits for SARS-CoV-2 Approved by the National Medical Products Administration of China and Their Application for Diagnosis of COVID-19. <i>Virologica Sinica</i> , 2020, 35, 699-712. | 3.0 | 23 |
| 39 | A Novel Coronavirus Genome Identified in a Cluster of Pneumonia Cases “ Wuhan, China 2019”2020. <i>China CDC Weekly</i> , 2020, 2, 61-62. | 2.3 | 510 |
| 40 | Three Novel Real-Time RT-PCR Assays for Detection of COVID-19 Virus. <i>China CDC Weekly</i> , 2020, 2, 453-457. | 2.3 | 47 |
| 41 | Structural definition of a neutralization epitope on the N-terminal domain of MERS-CoV spike glycoprotein. <i>Nature Communications</i> , 2019, 10, 3068. | 12.8 | 122 |
| 42 | Comparison of viral and epidemiological profiles of hospitalized children with severe acute respiratory infection in Beijing and Shanghai, China. <i>BMC Infectious Diseases</i> , 2019, 19, 729. | 2.9 | 33 |
| 43 | High-Throughput Screening and Identification of Potent Broad-Spectrum Inhibitors of Coronaviruses. <i>Journal of Virology</i> , 2019, 93, . | 3.4 | 244 |
| 44 | Humoral and cellular immunity against both ZIKV and poxvirus is elicited by a two-dose regimen using DNA and non-replicating vaccinia virus-based vaccine candidates. <i>Vaccine</i> , 2019, 37, 2122-2130. | 3.8 | 16 |
| 45 | A pan-coronavirus fusion inhibitor targeting the HR1 domain of human coronavirus spike. <i>Science Advances</i> , 2019, 5, eaav4580. | 10.3 | 393 |
| 46 | A novel luciferase immunosorbent assay performs better than a commercial enzyme-linked immunosorbent assay to detect MERS-CoV specific IgG in humans and animals. <i>Biosafety and Health</i> , 2019, 1, 134-143. | 2.7 | 8 |
| 47 | HBV antigen and DNA loss from mouse serum is associated with novel vaccine-induced HBV surface antigen-specific cell-mediated immunity and cytokine production. <i>Antiviral Research</i> , 2019, 161, 20-27. | 4.1 | 4 |
| 48 | Predicting the receptor-binding domain usage of the coronavirus based on kmer frequency on spike protein. <i>Infection, Genetics and Evolution</i> , 2018, 61, 183-184. | 2.3 | 55 |
| 49 | Enhanced protection in mice induced by immunization with inactivated whole viruses compare to spike protein of middle east respiratory syndrome coronavirus. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-10. | 6.5 | 43 |
| 50 | Significant Spike-Specific IgG and Neutralizing Antibodies in Mice Induced by a Novel Chimeric Virus-Like Particle Vaccine Candidate for Middle East Respiratory Syndrome Coronavirus. <i>Virologica Sinica</i> , 2018, 33, 453-455. | 3.0 | 17 |
| 51 | The immune response of rhesus macaques to novel vaccines comprising hepatitis B virus S, PreS1, and Core antigens. <i>Vaccine</i> , 2018, 36, 3740-3746. | 3.8 | 8 |
| 52 | Ultrapotent Human Neutralizing Antibody Repertoires Against Middle East Respiratory Syndrome Coronavirus From a Recovered Patient. <i>Journal of Infectious Diseases</i> , 2018, 218, 1249-1260. | 4.0 | 63 |
| 53 | A novel human mAb (MERS-GD27) provides prophylactic and postexposure efficacy in MERS-CoV susceptible mice. <i>Science China Life Sciences</i> , 2018, 61, 1280-1282. | 4.9 | 31 |
| 54 | Genotypic Diversity and Epidemiology of Human Rhinovirus Among Children With Severe Acute Respiratory Tract Infection in Shanghai, 2013”2015. <i>Frontiers in Microbiology</i> , 2018, 9, 1836. | 3.5 | 28 |

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|----|--|------|-----------|
| 55 | Recombinant vaccinia vector-based vaccine (Tiantan) boosting a novel HBV subunit vaccine induced more robust and lasting immunity in rhesus macaques. <i>Vaccine</i> , 2017, 35, 3347-3353. | 3.8 | 7 |
| 56 | Protective T Cell Responses Featured by Concordant Recognition of Middle East Respiratory Syndrome Coronavirusâ€œDerived CD8+ T Cell Epitopes and Host MHC. <i>Journal of Immunology</i> , 2017, 198, 873-882. | 0.8 | 42 |
| 57 | Discovery of a novel canine respiratory coronavirus support genetic recombination among betacoronavirus1. <i>Virus Research</i> , 2017, 237, 7-13. | 2.2 | 29 |
| 58 | Dr. Chi-Ming Chu: Respected founder of molecular virology and pioneer of biologicals in China. <i>Protein and Cell</i> , 2017, 8, 629-633. | 11.0 | 1 |
| 59 | A screen for inhibitory peptides of hepatitis C virus identifies a novel entry inhibitor targeting E1 and E2. <i>Scientific Reports</i> , 2017, 7, 3976. | 3.3 | 11 |
| 60 | Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. <i>Cell Research</i> , 2017, 27, 151-153. | 12.0 | 116 |
| 61 | T-cell immunity of SARS-CoV: Implications for vaccine development against MERS-CoV. <i>Antiviral Research</i> , 2017, 137, 82-92. | 4.1 | 314 |
| 62 | The persistent prevalence and evolution of cross-family recombinant coronavirus GCCDC1 among a bat population: a two-year follow-up. <i>Science China Life Sciences</i> , 2017, 60, 1357-1363. | 4.9 | 22 |
| 63 | A47â€œOrigin and possible genetic recombination of the middle east respiratory syndrome coronavirus from the first imported case in china: phylogenetics and coalescence analysis. <i>Virus Evolution</i> , 2017, 3, . | 4.9 | 2 |
| 64 | Two-tube multiplex real-time reverse transcription PCR to detect six human coronaviruses. <i>Virologica Sinica</i> , 2016, 31, 85-88. | 3.0 | 19 |
| 65 | Prevalence and phylogenetic characterization of canine coronavirus from diseased pet dogs in Beijing, China. <i>Science China Life Sciences</i> , 2016, 59, 860-862. | 4.9 | 8 |
| 66 | Safe and Sensitive Antiviral Screening Platform Based on Recombinant Human Coronavirus OC43 Expressing the Luciferase Reporter Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5492-5503. | 3.2 | 39 |
| 67 | Characterization of anti-MERS-CoV antibodies against various recombinant structural antigens of MERS-CoV in an imported case in China. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-12. | 6.5 | 24 |
| 68 | Phylogenetic evidence for intratypic recombinant events in a novel human adenovirus C that causes severe acute respiratory infection in children. <i>Scientific Reports</i> , 2016, 6, 23014. | 3.3 | 24 |
| 69 | Structure of Main Protease from Human Coronavirus NL63: Insights for Wide Spectrum Anti-Coronavirus Drug Design. <i>Scientific Reports</i> , 2016, 6, 22677. | 3.3 | 145 |
| 70 | Genetic characterization of human bocavirus among children with severe acute respiratory infection in China. <i>Journal of Infection</i> , 2016, 73, 155-163. | 3.3 | 8 |
| 71 | Genetic and antigenic characterization of recombinant nucleocapsid proteins derived from canine coronavirus and canine respiratory coronavirus in China. <i>Science China Life Sciences</i> , 2016, 59, 615-621. | 4.9 | 6 |
| 72 | Middle East respiratory syndrome coronavirus ORF4b protein inhibits type I interferon production through both cytoplasmic and nuclear targets. <i>Scientific Reports</i> , 2015, 5, 17554. | 3.3 | 117 |

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|----|--|-----|-----------|
| 73 | Recombinant Receptor Binding Domain Protein Induces Partial Protective Immunity in Rhesus Macaques Against Middle East Respiratory Syndrome Coronavirus Challenge. <i>EBioMedicine</i> , 2015, 2, 1438-1446. | 6.1 | 102 |
| 74 | Systemic and mucosal immunity in mice elicited by a single immunization with human adenovirus type 5 or 41 vector-based vaccines carrying the spike protein of Middle East respiratory syndrome coronavirus. <i>Immunology</i> , 2015, 145, 476-484. | 4.4 | 100 |
| 75 | Priming with two DNA vaccines expressing hepatitis C virus NS3 protein targeting dendritic cells elicits superior heterologous protective potential in mice. <i>Archives of Virology</i> , 2015, 160, 2517-2524. | 2.1 | 8 |
| 76 | Complete Genome Sequence of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) from the First Imported MERS-CoV Case in China. <i>Genome Announcements</i> , 2015, 3, . | 0.8 | 46 |
| 77 | Origin and Possible Genetic Recombination of the Middle East Respiratory Syndrome Coronavirus from the First Imported Case in China: Phylogenetics and Coalescence Analysis. <i>MBio</i> , 2015, 6, e01280-15. | 4.1 | 86 |
| 78 | Molecular Typing and Epidemiology Profiles of Human Adenovirus Infection among Paediatric Patients with Severe Acute Respiratory Infection in China. <i>PLoS ONE</i> , 2015, 10, e0123234. | 2.5 | 38 |
| 79 | Multi-Organ Damage in Human Dipeptidyl Peptidase 4 Transgenic Mice Infected with Middle East Respiratory Syndrome-Coronavirus. <i>PLoS ONE</i> , 2015, 10, e0145561. | 2.5 | 70 |
| 80 | Prevalence and Genetic Diversity Analysis of Human Coronavirus OC43 among Adult Patients with Acute Respiratory Infections in Beijing, 2012. <i>PLoS ONE</i> , 2014, 9, e100781. | 2.5 | 11 |
| 81 | Human Herpes Viruses Are Associated with Classic Fever of Unknown Origin (FUO) in Beijing Patients. <i>PLoS ONE</i> , 2014, 9, e101619. | 2.5 | 19 |
| 82 | Tailoring Subunit Vaccine Immunity with Adjuvant Combinations and Delivery Routes Using the Middle East Respiratory Coronavirus (MERS-CoV) Receptor-Binding Domain as an Antigen. <i>PLoS ONE</i> , 2014, 9, e112602. | 2.5 | 74 |
| 83 | Reply to "Detection of Human Herpesviruses (HHVs) DNA in blood samples: A true marker of Fever of Unknown Origin (FUO)?" <i>Journal of Clinical Virology</i> , 2014, 61, 619-620. | 3.1 | 0 |
| 84 | Lentiviral backbone-based hepatitis B virus replicon-mediated transfer favours the establishment of persistent hepatitis B virus infection in mice after hydrodynamic injection. <i>Antiviral Research</i> , 2014, 101, 68-74. | 4.1 | 18 |
| 85 | A novel method for synthetic vaccine construction based on protein assembly. <i>Scientific Reports</i> , 2014, 4, 7266. | 3.3 | 73 |
| 86 | The Novel Replication-defective Vaccinia Virus (Tiantan Strain)-based Hepatitis C Virus Vaccine Induces Robust Immunity in Macaques. <i>Molecular Therapy</i> , 2013, 21, 1787-1795. | 8.2 | 20 |
| 87 | Prevalence of Herpes and Respiratory Viruses in Induced Sputum among Hospitalized Children with Non Typical Bacterial Community-Acquired Pneumonia. <i>PLoS ONE</i> , 2013, 8, e79477. | 2.5 | 15 |
| 88 | Viral Etiology and Clinical Profiles of Children with Severe Acute Respiratory Infections in China. <i>PLoS ONE</i> , 2013, 8, e72606. | 2.5 | 43 |
| 89 | Etiology and Clinical Characterization of Respiratory Virus Infections in Adult Patients Attending an Emergency Department in Beijing. <i>PLoS ONE</i> , 2012, 7, e32174. | 2.5 | 57 |
| 90 | Characterization of Human Coronavirus Etiology in Chinese Adults with Acute Upper Respiratory Tract Infection by Real-Time RT-PCR Assays. <i>PLoS ONE</i> , 2012, 7, e38638. | 2.5 | 64 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Enhanced Effect of DNA Immunization plus <i>In Vivo</i> Electroporation with a Combination of Hepatitis B Virus Core-PreS1 and S-PreS1 Plasmids. Vaccine Journal, 2011, 18, 1789-1795. | 3.1 | 16 |