

# Wenjie Tan

## List of Publications by Year in descending order

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91  
papers

45,666  
citations

93792

39  
h-index

45040

94  
g-index

100  
all docs

100  
docs citations

100  
times ranked

75358  
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.	1.8	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.	2.2	17
3	Restriction-Assembly: A Solution to Construct Novel Adenovirus Vector. <i>Viruses</i> , 2022, 14, 546.	1.5	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.	4.8	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.	5.8	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.	4.8	60
7	Structural basis for the inhibition of the SARS-CoV-2 main protease by the anti-HCV drug nardaparvir. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 51.	7.1	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.	2.2	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.	7.1	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.	0.9	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.	1.2	0
12	A broadly neutralizing humanized ACE2-targeting antibody against SARS-CoV-2 variants. <i>Nature Communications</i> , 2021, 12, 5000.	5.8	37
13	Mechanism of Microbial Metabolite Leupeptin in the Treatment of COVID-19 by Traditional Chinese Medicine Herbs. <i>MBio</i> , 2021, 12, e0222021.	1.8	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, .	3.3	19
15	SARS-CoV-2's origin should be investigated worldwide for pandemic prevention. <i>Lancet, The</i> , 2021, 398, 1299-1303.	6.3	19
16	Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 5654.	5.8	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.	1.1	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.	2.5	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.	2.3	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.	1.2	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.	1.9	38
22	Lack of antibody-mediated cross-protection between SARS-CoV-2 and SARS-CoV infections. <i>EBioMedicine</i> , 2020, 58, 102890.	2.7	25
23	The pathogenicity of SARS-CoV-2 in hACE2 transgenic mice. <i>Nature</i> , 2020, 583, 830-833.	13.7	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.	1.5	62
25	NS1-based DNA vaccination confers mouse protective immunity against ZIKV challenge. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104521.	1.0	7
26	Immune suppression in the early stage of COVID-19 disease. <i>Nature Communications</i> , 2020, 11, 5859.	5.8	161
27	Morphogenesis and cytopathic effect of SARS-CoV-2 infection in human airway epithelial cells. <i>Nature Communications</i> , 2020, 11, 3910.	5.8	271
28	Both Boceprevir and GC376 efficaciously inhibit SARS-CoV-2 by targeting its main protease. <i>Nature Communications</i> , 2020, 11, 4417.	5.8	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.	6.0	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, .	1.5	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.	3.8	3,876
32	Susceptibility of ferrets, cats, dogs, and other domesticated animals to SARS-CoV-2. <i>Science</i> , 2020, 368, 1016-1020.	6.0	1,537
33	A distinct name is needed for the new coronavirus. <i>Lancet, The</i> , 2020, 395, 949.	6.3	312
34	A Novel Coronavirus from Patients with Pneumonia in China, 2019. <i>New England Journal of Medicine</i> , 2020, 382, 727-733.	13.9	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.	6.3	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.	5.1	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.	1.8	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.	1.2	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.	1.0	510
40	Three Novel Real-Time RT-PCR Assays for Detection of COVID-19 Virus. <i>China CDC Weekly</i> , 2020, 2, 453-457.	1.0	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.	5.8	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.	1.3	33
43	High-Throughput Screening and Identification of Potent Broad-Spectrum Inhibitors of Coronaviruses. <i>Journal of Virology</i> , 2019, 93, .	1.5	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.	1.7	16
45	A pan-coronavirus fusion inhibitor targeting the HR1 domain of human coronavirus spike. <i>Science Advances</i> , 2019, 5, eaav4580.	4.7	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.	1.2	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.	1.9	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.	1.0	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.	3.0	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.	1.2	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.	1.7	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.	1.9	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.	2.3	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.	1.5	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.	1.7	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.	0.4	42
57	Discovery of a novel canine respiratory coronavirus support genetic recombination among betacoronavirus1. <i>Virus Research</i> , 2017, 237, 7-13.	1.1	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.	4.8	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.	1.6	11
60	Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. <i>Cell Research</i> , 2017, 27, 151-153.	5.7	116
61	T-cell immunity of SARS-CoV: Implications for vaccine development against MERS-CoV. <i>Antiviral Research</i> , 2017, 137, 82-92.	1.9	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.	2.3	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, .	2.2	2
64	Two-tube multiplex real-time reverse transcription PCR to detect six human coronaviruses. <i>Virologica Sinica</i> , 2016, 31, 85-88.	1.2	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.	2.3	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.	1.4	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.	3.0	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.	1.6	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.	1.6	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.	1.7	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.	2.3	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.	1.6	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.	2.7	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.	2.0	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.	0.9	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.	1.8	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.	1.1	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.	1.1	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.	1.1	11
81	Human Herpes Viruses Are Associated with Classic Fever of Unknown Origin (FUO) in Beijing Patients. <i>PLoS ONE</i> , 2014, 9, e101619.	1.1	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.	1.1	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.	1.6	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.	1.9	18
85	A novel method for synthetic vaccine construction based on protein assembly. <i>Scientific Reports</i> , 2014, 4, 7266.	1.6	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.	3.7	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.	1.1	15
88	Viral Etiology and Clinical Profiles of Children with Severe Acute Respiratory Infections in China. <i>PLoS ONE</i> , 2013, 8, e72606.	1.1	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.	1.1	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.	1.1	64

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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.	3.2	16