

Wenjie Tan

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93
papers

30,911
citations

33
h-index

100
g-index

100
ext. papers

39,515
ext. citations

10.9
avg, IF

7.75
L-index

#	Paper	IF	Citations
93	A Novel Coronavirus from Patients with Pneumonia in China, 2019. <i>New England Journal of Medicine</i> , 2020 , 382, 727-733	59.2	14511
92	Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding. <i>Lancet, The</i> , 2020 , 395, 565-574	40	6394
91	Detection of SARS-CoV-2 in Different Types of Clinical Specimens. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1843-1844	27.4	2757
90	Genome Composition and Divergence of the Novel Coronavirus (2019-nCoV) Originating in China. <i>Cell Host and Microbe</i> , 2020 , 27, 325-328	23.4	1311
89	Susceptibility of ferrets, cats, dogs, and other domesticated animals to SARS-coronavirus 2. <i>Science</i> , 2020 , 368, 1016-1020	33.3	1066
88	A noncompeting pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2. <i>Science</i> , 2020 , 368, 1274-1278	33.3	682
87	The pathogenicity of SARS-CoV-2 in hACE2 transgenic mice. <i>Nature</i> , 2020 , 583, 830-833	50.4	680
86	A Novel Coronavirus Genome Identified in a Cluster of Pneumonia Cases in Wuhan, China 2019-2020. <i>China CDC Weekly</i> , 2020 , 2, 61-62	4	329
85	A pan-coronavirus fusion inhibitor targeting the HR1 domain of human coronavirus spike. <i>Science Advances</i> , 2019 , 5, eaav4580	14.3	268
84	T-cell immunity of SARS-CoV: Implications for vaccine development against MERS-CoV. <i>Antiviral Research</i> , 2017 , 137, 82-92	10.8	249
83	A distinct name is needed for the new coronavirus. <i>Lancet, The</i> , 2020 , 395, 949	40	216
82	Both Boceprevir and GC376 efficaciously inhibit SARS-CoV-2 by targeting its main protease. <i>Nature Communications</i> , 2020 , 11, 4417	17.4	195
81	High-Throughput Screening and Identification of Potent Broad-Spectrum Inhibitors of Coronaviruses. <i>Journal of Virology</i> , 2019 , 93,	6.6	157
80	Morphogenesis and cytopathic effect of SARS-CoV-2 infection in human airway epithelial cells. <i>Nature Communications</i> , 2020 , 11, 3910	17.4	151
79	Structure of Main Protease from Human Coronavirus NL63: Insights for Wide Spectrum Anti-Coronavirus Drug Design. <i>Scientific Reports</i> , 2016 , 6, 22677	4.9	108
78	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	4.9	95
77	Structural definition of a neutralization epitope on the N-terminal domain of MERS-CoV spike glycoprotein. <i>Nature Communications</i> , 2019 , 10, 3068	17.4	94

76	Recombinant Receptor Binding Domain Protein Induces Partial Protective Immunity in Rhesus Macaques Against Middle East Respiratory Syndrome Coronavirus Challenge. <i>EBioMedicine</i> , 2015 , 2, 1438-46	8.8	87
75	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, 476-84	7.8	87
74	Immune suppression in the early stage of COVID-19 disease. <i>Nature Communications</i> , 2020 , 11, 5859	17.4	75
73	Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. <i>Cell Research</i> , 2017 , 27, 151-153	24.7	72
72	extract and baicalein inhibit replication of SARS-CoV-2 and its 3C-like protease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 497-503	5.6	72
71	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	7.8	70
70	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	3.7	64
69	Multi-Organ Damage in Human Dipeptidyl Peptidase 4 Transgenic Mice Infected with Middle East Respiratory Syndrome-Coronavirus. <i>PLoS ONE</i> , 2015 , 10, e0145561	3.7	59
68	A novel method for synthetic vaccine construction based on protein assembly. <i>Scientific Reports</i> , 2014 , 4, 7266	4.9	55
67	Etiology and clinical characterization of respiratory virus infections in adult patients attending an emergency department in Beijing. <i>PLoS ONE</i> , 2012 , 7, e32174	3.7	53
66	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	7	50
65	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	3.7	48
64	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	4.5	40
63	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, 60	18.9	39
62	Viral etiology and clinical profiles of children with severe acute respiratory infections in China. <i>PLoS ONE</i> , 2013 , 8, e72606	3.7	38
61	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	5.7	37
60	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,		33
59	Protective T Cell Responses Featured by Concordant Recognition of Middle East Respiratory Syndrome Coronavirus-Derived CD8+ T Cell Epitopes and Host MHC. <i>Journal of Immunology</i> , 2017 , 198, 873-882	5.3	32

58	Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2. <i>Nature Communications</i> , 2021 , 12, 5654	17.4	32
57	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	3.7	30
56	Three Novel Real-Time RT-PCR Assays for Detection of COVID-19 Virus. <i>China CDC Weekly</i> , 2020 , 2, 453-457	4.57	28
55	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	8.5	27
54	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	10.8	27
53	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	17.4	26
52	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, 5492-503	5.9	25
51	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	15.4	23
50	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, e113	18.9	22
49	Discovery of a novel canine respiratory coronavirus support genetic recombination among betacoronavirus1. <i>Virus Research</i> , 2017 , 237, 7-13	6.4	19
48	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	4.9	19
47	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	4	17
46	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	8.5	17
45	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	10.8	16
44	Enhanced effect of DNA immunization plus in vivo electroporation with a combination of hepatitis B virus core-PreS1 and S-PreS1 plasmids. <i>Vaccine Journal</i> , 2011 , 18, 1789-95		16
43	Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2		16
42	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	5.7	15
41	The novel replication-defective vaccinia virus (Tiantan strain)-based hepatitis C virus vaccine induces robust immunity in macaques. <i>Molecular Therapy</i> , 2013 , 21, 1787-95	11.7	15

40	Lack of antibody-mediated cross-protection between SARS-CoV-2 and SARS-CoV infections. <i>EBioMedicine</i> , 2020 , 58, 102890	8.8	15
39	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	3.7	14
38	Two-tube multiplex real-time reverse transcription PCR to detect six human coronaviruses. <i>Virologica Sinica</i> , 2016 , 31, 85-8	6.4	12
37	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	6.4	12
36	Human herpes viruses are associated with classic fever of unknown origin (FUO) in Beijing patients. <i>PLoS ONE</i> , 2014 , 9, e101619	3.7	11
35	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	4.1	10
34	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	4.9	9
33	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	6.4	9
32	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	3.7	8
31	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	7.2	8
30	Genetic characterization of human bocavirus among children with severe acute respiratory infection in China. <i>Journal of Infection</i> , 2016 , 73, 155-63	18.9	7
29	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	21	7
28	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	4.1	7
27	A broadly neutralizing humanized ACE2-targeting antibody against SARS-CoV-2 variants. <i>Nature Communications</i> , 2021 , 12, 5000	17.4	7
26	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, 2517-24	2.6	6
25	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	4.7	6
24	Surveillance of SARS-CoV-2 in the environment and animal samples of the Huanan Seafood Market		6
23	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	4.1	5

22	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	21	5
21	Mechanism of Microbial Metabolite Leupeptin in the Treatment of COVID-19 by Traditional Chinese Medicine Herbs. <i>MBio</i> , 2021 , 12, e0222021	7.8	5
20	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,	11.5	5
19	NS1-based DNA vaccination confers mouse protective immunity against ZIKV challenge. <i>Infection, Genetics and Evolution</i> , 2020 , 85, 104521	4.5	4
18	Prevalence and phylogenetic characterization of canine coronavirus from diseased pet dogs in Beijing, China. <i>Science China Life Sciences</i> , 2016 , 59, 860-2	8.5	4
17	SARS-CoV-2's origin should be investigated worldwide for pandemic prevention. <i>Lancet, The</i> , 2021 , 398, 1299-1303	40	4
16	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, 615-21	8.5	3
15	Co-Immunization With CHIKV VLP and DNA Vaccines Induces a Promising Humoral Response in Mice. <i>Frontiers in Immunology</i> , 2021 , 12, 655743	8.4	3
14	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	3.4	3
13	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	8.5	3
12	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	6.4	3
11	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	8.4	3
10	Increased Pathogenicity and Virulence of Middle East Respiratory Syndrome Coronavirus Clade B and. <i>Journal of Virology</i> , 2020 , 94,	6.6	2
9	A47 Origin 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,	3.7	2
8	Network-Based Identification and Experimental Validation of Drug Candidates Toward SARS-CoV-2 Targeting Virus-Host Interactome. <i>Frontiers in Genetics</i> , 2021 , 12, 728960	4.5	2
7	Dr. Chi-Ming Chu: Respected founder of molecular virology and pioneer of biologicals in China. <i>Protein and Cell</i> , 2017 , 8, 629-633	7.2	1
6	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> , 2021 , 1	6.2	1
5	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	10.8	1

4	Restriction-Assembly: A Solution to Construct Novel Adenovirus Vector.. <i>Viruses</i> , 2022 , 14,	6.2	1
3	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	5.9	0
2	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, 619-20	14.5	
1	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	6.4	