

Wanbo Tai

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.

30
papers

2,250
citations

19
h-index

36
g-index

36
ext. papers

2,921
ext. citations

9
avg, IF

5.62
L-index

#	Paper	IF	Citations
30	Development of a ferritin-based nanoparticle vaccine against the SARS-CoV-2 Omicron variant. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7,	21	3
29	Biomechanical characterization of SARS-CoV-2 spike RBD and human ACE2 protein-protein interaction. <i>Biophysical Journal</i> , 2021 , 120, 1011-1019	2.9	26
28	A vaccine inducing solely cytotoxic T lymphocytes fully prevents Zika virus infection and fetal damage. <i>Cell Reports</i> , 2021 , 35, 109107	10.6	5
27	The development of - as anti-SARS-CoV-2 nanobody drug candidates. <i>ELife</i> , 2021 , 10,	8.9	10
26	Novel virus-like nanoparticle vaccine effectively protects animal model from SARS-CoV-2 infection. <i>PLoS Pathogens</i> , 2021 , 17, e1009897	7.6	11
25	Identification of SARS-CoV RBD-targeting monoclonal antibodies with cross-reactive or neutralizing activity against SARS-CoV-2. <i>Antiviral Research</i> , 2020 , 179, 104820	10.8	71
24	Characterization of the receptor-binding domain (RBD) of 2019 novel coronavirus: implication for development of RBD protein as a viral attachment inhibitor and vaccine. <i>Cellular and Molecular Immunology</i> , 2020 , 17, 613-620	15.4	910
23	The Potency of an Anti-MERS Coronavirus Subunit Vaccine Depends on a Unique Combinatorial Adjuvant Formulation. <i>Vaccines</i> , 2020 , 8,	5.3	6
22	Molecular Mechanism for Antibody-Dependent Enhancement of Coronavirus Entry. <i>Journal of Virology</i> , 2020 , 94,	6.6	402
21	Biomechanical Characterization of SARS-CoV-2 Spike RBD and Human ACE2 Protein-Protein Interaction 2020 ,		6
20	The Development of a Novel Nanobody Therapeutic for SARS-CoV-2 2020 ,		10
19	A novel receptor-binding domain (RBD)-based mRNA vaccine against SARS-CoV-2. <i>Cell Research</i> , 2020 , 30, 932-935	24.7	73
18	Rational Design of Zika Virus Subunit Vaccine with Enhanced Efficacy. <i>Journal of Virology</i> , 2019 , 93,	6.6	21
17	Transfusion-Transmitted Zika Virus Infection in Pregnant Mice Leads to Broad Tissue Tropism With Severe Placental Damage and Fetal Demise. <i>Frontiers in Microbiology</i> , 2019 , 10, 29	5.7	10
16	Enhanced Ability of Oligomeric Nanobodies Targeting MERS Coronavirus Receptor-Binding Domain. <i>Viruses</i> , 2019 , 11,	6.2	16
15	Identification of Novel Natural Products as Effective and Broad-Spectrum Anti-Zika Virus Inhibitors. <i>Viruses</i> , 2019 , 11,	6.2	26
14	Effects of Adjuvants on the Immunogenicity and Efficacy of a Zika Virus Envelope Domain III Subunit Vaccine. <i>Vaccines</i> , 2019 , 7,	5.3	6

13	Engineering a stable CHO cell line for the expression of a MERS-coronavirus vaccine antigen. <i>Vaccine</i> , 2018 , 36, 1853-1862	4.1	44
12	Critical neutralizing fragment of Zika virus EDIII elicits cross-neutralization and protection against divergent Zika viruses. <i>Emerging Microbes and Infections</i> , 2018 , 7, 7	18.9	30
11	Cryo-Electron Microscopy Structure of Porcine Deltacoronavirus Spike Protein in the Prefusion State. <i>Journal of Virology</i> , 2018 , 92,	6.6	72
10	A Novel Nanobody Targeting Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Receptor-Binding Domain Has Potent Cross-Neutralizing Activity and Protective Efficacy against MERS-CoV. <i>Journal of Virology</i> , 2018 , 92,	6.6	62
9	Receptor-binding domain of MERS-CoV with optimal immunogen dosage and immunization interval protects human transgenic mice from MERS-CoV infection. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 1615-1624	4.4	43
8	Highly conserved M2e and hemagglutinin epitope-based recombinant proteins induce protection against influenza virus infection. <i>Microbes and Infection</i> , 2017 , 19, 641-647	9.3	12
7	Cross-neutralization of SARS coronavirus-specific antibodies against bat SARS-like coronaviruses. <i>Science China Life Sciences</i> , 2017 , 60, 1399-1402	8.5	23
6	Recombinant Receptor-Binding Domains of Multiple Middle East Respiratory Syndrome Coronaviruses (MERS-CoVs) Induce Cross-Neutralizing Antibodies against Divergent Human and Camel MERS-CoVs and Antibody Escape Mutants. <i>Journal of Virology</i> , 2017 , 91,	6.6	58
5	Neutralization of Zika virus by germline-like human monoclonal antibodies targeting cryptic epitopes on envelope domain III. <i>Emerging Microbes and Infections</i> , 2017 , 6, e89	18.9	33
4	Introduction of neutralizing immunogenicity index to the rational design of MERS coronavirus subunit vaccines. <i>Nature Communications</i> , 2016 , 7, 13473	17.4	77
3	A recombinant receptor-binding domain of MERS-CoV in trimeric form protects human dipeptidyl peptidase 4 (hDPP4) transgenic mice from MERS-CoV infection. <i>Virology</i> , 2016 , 499, 375-382	3.6	76
2	Single-dose treatment with a humanized neutralizing antibody affords full protection of a human transgenic mouse model from lethal Middle East respiratory syndrome (MERS)-coronavirus infection. <i>Antiviral Research</i> , 2016 , 132, 141-8	10.8	43
1	Vaccines for the prevention against the threat of MERS-CoV. <i>Expert Review of Vaccines</i> , 2016 , 15, 1123-34.2	3.2	64