Nianshuang Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6017488/publications.pdf

Version: 2024-02-01

20 papers	14,713 citations	361045 20 h-index	713013 21 g-index
30 all docs	30 docs citations	30 times ranked	23073 citing authors

#	Article	IF	Citations
1	Cryo-EM structure of the 2019-nCoV spike in the prefusion conformation. Science, 2020, 367, 1260-1263.	6.0	7,517
2	SARS-CoV-2 mRNA vaccine design enabled by prototype pathogen preparedness. Nature, 2020, 586, 567-571.	13.7	1,153
3	Structure-based design of prefusion-stabilized SARS-CoV-2 spikes. Science, 2020, 369, 1501-1505.	6.0	977
4	Immunogenicity and structures of a rationally designed prefusion MERS-CoV spike antigen. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7348-E7357.	3.3	944
5	Pre-fusion structure of a human coronavirus spike protein. Nature, 2016, 531, 118-121.	13.7	623
6	Structure of MERS-CoV spike receptor-binding domain complexed with human receptor DPP4. Cell Research, 2013, 23, 986-993.	5.7	588
7	Broad neutralization of SARS-related viruses by human monoclonal antibodies. Science, 2020, 369, 731-736.	6.0	534
8	Structural Basis for Potent Neutralization of Betacoronaviruses by Single-Domain Camelid Antibodies. Cell, 2020, 181, 1004-1015.e15.	13.5	506
9	Stabilized coronavirus spikes are resistant to conformational changes induced by receptor recognition or proteolysis. Scientific Reports, 2018, 8, 15701.	1.6	408
10	Prevalent, protective, and convergent IgG recognition of SARS-CoV-2 non-RBD spike epitopes. Science, 2021, 372, 1108-1112.	6.0	210
11	Potent Neutralization of MERS-CoV by Human Neutralizing Monoclonal Antibodies to the Viral Spike Glycoprotein. Science Translational Medicine, 2014, 6, 234ra59.	5.8	194
12	Importance of Neutralizing Monoclonal Antibodies Targeting Multiple Antigenic Sites on the Middle East Respiratory Syndrome Coronavirus Spike Glycoprotein To Avoid Neutralization Escape. Journal of Virology, 2018, 92, .	1.5	155
13	Global site-specific analysis of glycoprotein N-glycan processing. Nature Protocols, 2018, 13, 1196-1212.	5.5	71
14	Structural basis for the neutralization of MERS-CoV by a human monoclonal antibody MERS-27. Scientific Reports, 2015, 5, 13133.	1.6	63
15	Structural Definition of a Neutralization-Sensitive Epitope on the MERS-CoV S1-NTD. Cell Reports, 2019, 28, 3395-3405.e6.	2.9	63
16	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. Cell Reports Medicine, 2021, 2, 100313.	3.3	56
17	Identification of residues on human receptor DPP4 critical for MERS-CoV binding and entry. Virology, 2014, 471-473, 49-53.	1.1	44
18	A Combination of Receptor-Binding Domain and N-Terminal Domain Neutralizing Antibodies Limits the Generation of SARS-CoV-2 Spike Neutralization-Escape Mutants. MBio, 2021, 12, e0247321.	1.8	35

#	Article	IF	Citations
19	Expression and characterization of SARS-CoV-2 spike proteins. Nature Protocols, 2021, 16, 5339-5356.	5.5	31
20	A high-throughput inhibition assay to study MERS-CoV antibody interactions using image cytometry. Journal of Virological Methods, 2019, 265, 77-83.	1.0	12