

Yongfei Cai

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

6,014
citations

279701

23
h-index

377752

34
g-index

46
all docs

46
docs citations

46
times ranked

11713
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct conformational states of SARS-CoV-2 spike protein. <i>Science</i> , 2020, 369, 1586-1592.	6.0	995
2	DNA vaccine protection against SARS-CoV-2 in rhesus macaques. <i>Science</i> , 2020, 369, 806-811.	6.0	978
3	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2020, 586, 583-588.	13.7	765
4	Structural impact on SARS-CoV-2 spike protein by D614G substitution. <i>Science</i> , 2021, 372, 525-530.	6.0	344
5	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. <i>Cell Host and Microbe</i> , 2020, 28, 586-601.e6.	5.1	334
6	Distinct Early Serological Signatures Track with SARS-CoV-2 Survival. <i>Immunity</i> , 2020, 53, 524-532.e4.	6.6	334
7	Compromised Humoral Functional Evolution Tracks with SARS-CoV-2 Mortality. <i>Cell</i> , 2020, 183, 1508-1519.e12.	13.5	263
8	Membrane fusion and immune evasion by the spike protein of SARS-CoV-2 Delta variant. <i>Science</i> , 2021, 374, 1353-1360.	6.0	246
9	Structural basis for enhanced infectivity and immune evasion of SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 642-648.	6.0	211
10	Quick COVID-19 Healers Sustain Anti-SARS-CoV-2 Antibody Production. <i>Cell</i> , 2020, 183, 1496-1507.e16.	13.5	182
11	Mechanistic Insights Revealed by the Crystal Structure of a Histidine Kinase with Signal Transducer and Sensor Domains. <i>PLoS Biology</i> , 2013, 11, e1001493.	2.6	137
12	Structure of SARS-CoV-2 spike protein. <i>Current Opinion in Virology</i> , 2021, 50, 173-182.	2.6	122
13	Ultrasensitive high-resolution profiling of early seroconversion in patients with COVID-19. <i>Nature Biomedical Engineering</i> , 2020, 4, 1180-1187.	11.6	110
14	A trimeric human angiotensin-converting enzyme 2 as an anti-SARS-CoV-2 agent. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 202-209.	3.6	110
15	Structural and functional impact by SARS-CoV-2 Omicron spike mutations. <i>Cell Reports</i> , 2022, 39, 110729.	2.9	102
16	Memory B cell repertoire for recognition of evolving SARS-CoV-2 spike. <i>Cell</i> , 2021, 184, 4969-4980.e15.	13.5	94
17	Omicron variant Spike-specific antibody binding and Fc activity are preserved in recipients of mRNA or inactivated COVID-19 vaccines. <i>Science Translational Medicine</i> , 2022, 14, eabn9243.	5.8	84
18	Structure of the membrane proximal external region of HIV-1 envelope glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8892-E8899.	3.3	72

#	ARTICLE	IF	CITATIONS
19	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. <i>Biochemistry</i> , 2021, 60, 2153-2169.	1.2	54
20	Structure of p300 bound to MEF2 on DNA reveals a mechanism of enhanceosome assembly. <i>Nucleic Acids Research</i> , 2011, 39, 4464-4474.	6.5	53
21	Structural basis of transmembrane coupling of the HIV-1 envelope glycoprotein. <i>Nature Communications</i> , 2020, 11, 2317.	5.8	49
22	Molecular Basis of Substrate Specific Acetylation by N-Terminal Acetyltransferase NatB. <i>Structure</i> , 2017, 25, 641-649.e3.	1.6	44
23	Immune recall improves antibody durability and breadth to SARS-CoV-2 variants. <i>Science Immunology</i> , 2022, 7, eabp8328.	5.6	40
24	HIV-1 Entry and Membrane Fusion Inhibitors. <i>Viruses</i> , 2021, 13, 735.	1.5	34
25	Conformational dynamics of the essential sensor histidine kinase Walk. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 793-803.	1.1	28
26	Conformational States of a Soluble, Uncleaved HIV-1 Envelope Trimer. <i>Journal of Virology</i> , 2017, 91, .	1.5	19
27	Antigenicity-defined conformations of an extremely neutralization-resistant HIV-1 envelope spike. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4477-4482.	3.3	18
28	Dimeric structure of p300/CBP associated factor. <i>BMC Structural Biology</i> , 2014, 14, 2.	2.3	15
29	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9866-9870.	7.2	9
30	Draft Genome Sequence of the Bacterium <i>Comamonas aquatica</i> CJG. <i>Genome Announcements</i> , 2016, 4, .	0.8	7
31	Conformational Dynamics of Response Regulator RegX3 from <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2015, 10, e0133389.	1.1	4
32	Preserved recognition of Omicron spike following COVID-19 messenger RNA vaccination in pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 227, 493.e1-493.e7.	0.7	3
33	The W-Acidic Motif of Histidine Kinase Walk Is Required for Signaling and Transcriptional Regulation in <i>Streptococcus mutans</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 820089.	1.5	1
34	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. <i>Angewandte Chemie</i> , 2019, 131, 9971-9975.	1.6	0
35	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes (<i>Angew. Chem.</i> 29/2019). <i>Angewandte Chemie</i> , 2019, 131, 10114-10114.	1.6	0