

Bing Chen

List of Publications by Year in descending order

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69
papers

9,974
citations

87888

38
h-index

106344

65
g-index

85
all docs

85
docs citations

85
times ranked

13946
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of SARS-CoV-2 entry into cells. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 3-20.	37.0	1,532
2	Distinct conformational states of SARS-CoV-2 spike protein. <i>Science</i> , 2020, 369, 1586-1592.	12.6	995
3	DNA vaccine protection against SARS-CoV-2 in rhesus macaques. <i>Science</i> , 2020, 369, 806-811.	12.6	978
4	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2020, 586, 583-588.	27.8	765
5	Structure of an unliganded simian immunodeficiency virus gp120 core. <i>Nature</i> , 2005, 433, 834-841.	27.8	483
6	Structural impact on SARS-CoV-2 spike protein by D614G substitution. <i>Science</i> , 2021, 372, 525-530.	12.6	344
7	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. <i>Cell Host and Microbe</i> , 2020, 28, 586-601.e6.	11.0	334
8	Protective efficacy of adenovirus/protein vaccines against SIV challenges in rhesus monkeys. <i>Science</i> , 2015, 349, 320-324.	12.6	303
9	Membrane fusion and immune evasion by the spike protein of SARS-CoV-2 Delta variant. <i>Science</i> , 2021, 374, 1353-1360.	12.6	246
10	Role of HIV membrane in neutralization by two broadly neutralizing antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20234-20239.	7.1	225
11	A fusion-intermediate state of HIV-1 gp41 targeted by broadly neutralizing antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3739-3744.	7.1	213
12	Structural basis for enhanced infectivity and immune evasion of SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 642-648.	12.6	211
13	Quick COVID-19 Healers Sustain Anti-SARS-CoV-2 Antibody Production. <i>Cell</i> , 2020, 183, 1496-1507.e16.	28.9	182
14	Molecular Mechanism of HIV-1 Entry. <i>Trends in Microbiology</i> , 2019, 27, 878-891.	7.7	173
15	Structural basis for membrane anchoring of HIV-1 envelope spike. <i>Science</i> , 2016, 353, 172-175.	12.6	169
16	Structural basis of coreceptor recognition by HIV-1 envelope spike. <i>Nature</i> , 2019, 565, 318-323.	27.8	165
17	HIV-1 envelope trimer elicits more potent neutralizing antibody responses than monomeric gp120. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12111-12116.	7.1	163
18	Small molecules that bind the inner core of gp41 and inhibit HIV envelope-mediated fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13938-13943.	7.1	133

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19	HIV-1 Neutralizing Antibody Signatures and Application to Epitope-Targeted Vaccine Design. <i>Cell Host and Microbe</i> , 2019, 25, 59-72.e8.	11.0	124
20	Structure of SARS-CoV-2 spike protein. <i>Current Opinion in Virology</i> , 2021, 50, 173-182.	5.4	122
21	Effect of the cytoplasmic domain on antigenic characteristics of HIV-1 envelope glycoprotein. <i>Science</i> , 2015, 349, 191-195.	12.6	113
22	Ultrasensitive high-resolution profiling of early seroconversion in patients with COVID-19. <i>Nature Biomedical Engineering</i> , 2020, 4, 1180-1187.	22.5	110
23	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.	8.2	110
24	Doxorubicin-loaded platelets as a smart drug delivery system: An improved therapy for lymphoma. <i>Scientific Reports</i> , 2017, 7, 42632.	3.3	109
25	Structural and functional impact by SARS-CoV-2 Omicron spike mutations. <i>Cell Reports</i> , 2022, 39, 110729.	6.4	102
26	Mechanism of HIV-1 Neutralization by Antibodies Targeting a Membrane-Proximal Region of gp41. <i>Journal of Virology</i> , 2014, 88, 1249-1258.	3.4	94
27	Memory B cell repertoire for recognition of evolving SARS-CoV-2 spike. <i>Cell</i> , 2021, 184, 4969-4980.e15.	28.9	94
28	Breadth of Neutralizing Antibodies Elicited by Stable, Homogeneous Clade A and Clade C HIV-1 gp140 Envelope Trimers in Guinea Pigs. <i>Journal of Virology</i> , 2010, 84, 3270-3279.	3.4	89
29	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.	12.4	84
30	Distinct conformational states of HIV-1 gp41 are recognized by neutralizing and non-neutralizing antibodies. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1486-1491.	8.2	80
31	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.	7.1	72
32	Determining the Structure of an Unliganded and Fully Glycosylated SIV gp120 Envelope Glycoprotein. <i>Structure</i> , 2005, 13, 197-211.	3.3	67
33	Stable, uncleaved HIV-1 envelope glycoprotein gp140 forms a tightly folded trimer with a native-like structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18542-18547.	7.1	67
34	Crystal Structure of HIV-1 Primary Receptor CD4 in Complex with a Potent Antiviral Antibody. <i>Structure</i> , 2010, 18, 1632-1641.	3.3	62
35	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. <i>Biochemistry</i> , 2021, 60, 2153-2169.	2.5	54
36	Structural basis of transmembrane coupling of the HIV-1 envelope glycoprotein. <i>Nature Communications</i> , 2020, 11, 2317.	12.8	49

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37	Fabrication of cerebral aneurysm simulator with a desktop 3D printer. <i>Scientific Reports</i> , 2017, 7, 44301.	3.3	47
38	Cryo-EM Structure of Full-length HIV-1 Env Bound With the Fab of Antibody PG16. <i>Journal of Molecular Biology</i> , 2020, 432, 1158-1168.	4.2	47
39	A Multivalent Clade C HIV-1 Env Trimer Cocktail Elicits a Higher Magnitude of Neutralizing Antibodies than Any Individual Component. <i>Journal of Virology</i> , 2015, 89, 2507-2519.	3.4	42
40	Immune recall improves antibody durability and breadth to SARS-CoV-2 variants. <i>Science Immunology</i> , 2022, 7, eabp8328.	11.9	40
41	Doxorubicin-loaded platelets conjugated with anti-CD22 mAbs: a novel targeted delivery system for lymphoma treatment with cardiopulmonary avoidance. <i>Oncotarget</i> , 2017, 8, 58322-58337.	1.8	39
42	Selenium, Lead, and Cadmium Levels in Renal Failure Patients in China. <i>Biological Trace Element Research</i> , 2009, 131, 1-12.	3.5	35
43	HIV-1 Entry and Membrane Fusion Inhibitors. <i>Viruses</i> , 2021, 13, 735.	3.3	34
44	Characterization and Immunogenicity of a Novel Mosaic M HIV-1 gp140 Trimer. <i>Journal of Virology</i> , 2014, 88, 9538-9552.	3.4	30
45	HIV-1 fusion inhibitors targeting the membrane-proximal external region of Env spikes. <i>Nature Chemical Biology</i> , 2020, 16, 529-537.	8.0	28
46	Comparison of multiple adjuvants on the stability and immunogenicity of a clade C HIV-1 gp140 trimer. <i>Vaccine</i> , 2014, 32, 2109-2116.	3.8	27
47	Daunorubicin and gambogic acid coloaded cysteamine-CdTe quantum dots minimizing the multidrug resistance of lymphoma in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5429-5442.	6.7	19
48	Conformational States of a Soluble, Uncleaved HIV-1 Envelope Trimer. <i>Journal of Virology</i> , 2017, 91, .	3.4	19
49	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.	7.1	18
50	Structure of the transmembrane domain of HIV-1 envelope glycoprotein. <i>FEBS Journal</i> , 2017, 284, 1171-1177.	4.7	18
51	Syntaxin 8 Modulates the Post-synthetic Trafficking of the TrkA Receptor and Inflammatory Pain Transmission*. <i>Journal of Biological Chemistry</i> , 2014, 289, 19556-19569.	3.4	17
52	Pre-treatment red blood cell distribution width provides prognostic information in multiple myeloma. <i>Clinica Chimica Acta</i> , 2018, 481, 34-41.	1.1	16
53	Up-regulation of Jun N-terminal kinase-interacting protein 3 (JIP3) contributes to BDNF-enhanced neurotransmitter release. <i>Journal of Neurochemistry</i> , 2015, 135, 453-465.	3.9	12
54	Integrin-linked Kinase is Essential for Environmental Enrichment Enhanced Hippocampal Neurogenesis and Memory. <i>Scientific Reports</i> , 2015, 5, 11456.	3.3	12

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55	Vincristine-loaded platelets coated with anti-CD41 mAbs: a new macrophage targeting proposal for the treatment of immune thrombocytopenia. <i>Biomaterials Science</i> , 2019, 7, 4568-4577.	5.4	12
56	Construction of Recombinant Vaccinia Viruses Using PUV-Inactivated Virus as a Helper. <i>BioTechniques</i> , 2001, 31, 534-540.	1.8	11
57	Neutralizing Antibody Responses following Long-Term Vaccination with HIV-1 Env gp140 in Guinea Pigs. <i>Journal of Virology</i> , 2018, 92, .	3.4	10
58	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9866-9870.	13.8	9
59	Qi-Long-Tian formula extract alleviates symptoms of acute high-altitude diseases via suppressing the inflammation responses in rat. <i>Respiratory Research</i> , 2021, 22, 52.	3.6	9
60	Wogonin Inhibits Growth of Mantle Cell Lymphoma Cells through Nuclear Factor- κ B Signaling Pathway. <i>Chinese Medical Journal</i> , 2018, 131, 495-497.	2.3	5
61	Fighting SARS-CoV-2 with structural biology methods. <i>Nature Methods</i> , 2022, 19, 381-383.	19.0	3
62	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.	1.3	3
63	An efficacy and safety study of rivaroxaban for the prevention of deep vein thrombosis in patients with left iliac vein compression treated with stent implantation (PLICTS): study protocol for a prospective randomized controlled trial. <i>Trials</i> , 2020, 21, 811.	1.6	2
64	Anti-Tumor Effect of a Novel DOX/GA-CdTe QD was Mediated by Apoptotic and Autophagic Cell Death. <i>Nano</i> , 2017, 12, 1750011.	1.0	1
65	Clinical Results and Aortic Remodeling After Endovascular Treatment for Complicated Type B Aortic Dissection With the "Fabulous" Stent System. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 817675.	2.4	1
66	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. <i>Angewandte Chemie</i> , 2019, 131, 9971-9975.	2.0	0
67	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes (Angew. Chem. 29/2019). <i>Angewandte Chemie</i> , 2019, 131, 10114-10114.	2.0	0
68	Treatment of Superior Mesenteric Vein Thrombus by Catheter-Directed Thrombolysis. <i>Annals of Vascular Surgery</i> , 2020, 65, 286.e9-286.e13.	0.9	0
69	Multiple Spontaneous Visceral Arterial Dissections in a Patient With Tolosa-Hunt Syndrome on Corticosteroid Therapy. <i>Annals of Vascular Surgery</i> , 2021, 74, 523.e1-523.e7.	0.9	0