George F Gao

List of Publications by Year
in descending order

603 papers	91,907 citations	1482 101 h-index	220 294 g-index
652 all docs	652 docs citations	652 times ranked	124426 citing authors

#	Article	IF	Citations
1	Structural basis of increased binding affinities of spikes from SARS-CoV-2 Omicron variants to rabbit and hare ACE2s reveals the expanding host tendency. MBio, 2024, 15, .	4.5	2
2	Characterization of CD8 ⁺ T cells in immune-privileged organs of ZIKV-infected Ifnar1 ^{â˜’/â˜’} mice. Journal of Virology, 2024, 98, .	3.6	0
3	Rational design of a â€˜two-in-oneâ€™ immunogen DAM drives potent immune response against mpox virus. Nature Immunology, 2024, 25, 307-315.	13.1	11
4	Structural basis and analysis of hamster ACE2 binding to different SARS-CoV-2 spike RBDs. Journal of Virology, 2024, 98, .	3.6	3
5	African swine fever virus A137R assembles into a dodecahedron cage. Journal of Virology, 2024, 98, .	3.6	2
6	The omicron BA.2.86 subvariant as a new serotype of SARS-CoV-2. Lancet Microbe, The, 2024, 5, e516.	12.5	9
7	Spatiotemporal genotype replacement of H5N8 avian influenza viruses contributed to H5N1 emergence in 2021/2022 panzootic. Journal of Virology, 2024, 98, .	3.6	3
8	Safety and immunogenicity of COVID-19 vaccine ZF2001 in Chinese aged 60 years and older. hLife, 2024, 2, 257-261.	2.7	0
9	Key mechanistic features of the trade-off between antibody escape and host cell binding in the SARS-CoV-2 Omicron variant spike proteins. EMBO Journal, 2024, 43, 1484-1498.	7.4	13
10	Long-term effects of Omicron BA.2 breakthrough infection on immunity-metabolism balance: a 6-month prospective study. Nature Communications, 2024, 15, .	14.1	3
11	Broad-spectrum Delta-BA.2 tandem-fused heterodimer mRNA vaccine delivered by lipopolyplex. PLoS Pathogens, 2024, 20, e1012116.	4.5	1
12	Molecular basis of hippopotamus ACE2 binding to SARS-CoV-2. Journal of Virology, 2024, 98, .	3.6	1
13	Injectable Hydrogel Mucosal Vaccine Elicits Protective Immunity against Respiratory Viruses. ACS Nano, 2024, 18, 11200-11216.	15.4	7
14	Enhanced potency of an IgM-like nanobody targeting conserved epitope in SARS-CoV-2 spike N-terminal domain. Signal Transduction and Targeted Therapy, 2024, 9, .	26.3	2
15	Coxsackievirus A10 impairs nail regeneration and induces onychomadesis by mimicking DKK1 to attenuate Wnt signaling. Journal of Experimental Medicine, 2024, 221, .	8.1	0
16	Nonconserved epitopes dominate reverse preexisting T cell immunity in COVID-19 convalescents. Signal Transduction and Targeted Therapy, 2024, 9, .	26.3	1
17	Molecular basis for receptor recognition and broad host tropism for merbecovirus MjHKU4r-CoV-1. EMBO Reports, 2024, 25, 3116-3136.	5.3	1
18	Uncommon P1 Anchor-featured Viral T Cell Epitope Preference within HLA-A*2601 and HLA-A*0101 Individuals. ImmunoHorizons, 2024, 8, 415-430.	1.7	1

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19	Two noncompeting human neutralizing antibodies targeting MPXV B6 show protective effects against orthopoxvirus infections. Nature Communications, 2024, 15, .	14.1	4
20	NS2 induces an influenza A RNA polymerase hexamer and acts as a transcription to replication switch. EMBO Reports, 2024, 25, 4708-4727.	5.3	1
21	LILRB1-HLA-G axis defines a checkpoint driving natural killer cell exhaustion in tuberculosis. EMBO Molecular Medicine, 2024, 16, 1755-1790.	7.2	3
22	Molecular insight into the neutralization mechanism of human-origin monoclonal antibody AH100 against Hantaan virus. Journal of Virology, 2024, 98, .	3.6	0
23	Structural characteristics of BtKY72 RBD bound to bat ACE2 reveal multiple key residues affecting ACE2 usage of sarbecoviruses. MBio, 2024, 15, .	4.5	1
24	Structural basis for difunctional mechanism of m-AMSA against African swine fever virus pP1192R. Nucleic Acids Research, 2024, 52, 11301-11316.	16.2	0
25	Protective RBD-dimer vaccines against SARS-CoV-2 and its variants produced in glycoengineered Pichia pastoris. PLoS Pathogens, 2024, 20, e1012487.	4.5	1
26	A chimeric mRNA vaccine of S-RBD with HA conferring broad protection against influenza and COVID-19 variants. PLoS Pathogens, 2024, 20, e1012508.	4.5	0
27	A human monoclonal antibody targeting the monomeric N6 neuraminidase confers protection against avian H5N6 influenza virus infection. Nature Communications, 2024, 15, .	14.1	0
28	Structure of monkeypox virus DNA polymerase holoenzyme. Science, 2023, 379, 100-105.	38.2	55
29	Host range and structural analysis of batâ€origin <scp>RshSTT182</scp>/200 coronavirus binding to human <scp>ACE2</scp> and its animal orthologs. EMBO Journal, 2023, 42, .	7.4	8
30	A Wider and Deeper Peptide-Binding Groove for the Class I Molecules from B15 Compared with B19 Chickens Correlates with Relative Resistance to Mareká€™s Disease. Journal of Immunology, 2023, 210, 668-680.	0.6	2
31	Neutralization of BQ.1, BQ.1.1, and XBB with RBD-Dimer Vaccines. New England Journal of Medicine, 2023, 388, 1142-1145.	25.5	26
32	Rapid evaluation of heterologous chimeric RBD-dimer mRNA vaccine for currently-epidemic Omicron sub-variants as booster shot after inactivated vaccine. Biosafety and Health, 2023, 5, 89-100.	2.7	9
33	Parallel T Cell Immunogenic Regions in Influenza B and A Viruses with Distinct Nuclear Export Signal Functions: The Balance between Viral Life Cycle and Immune Escape. Journal of Immunology, 2023, 210, 1074-1085.	0.6	2
34	First Discovery of Phenuiviruses within Diverse RNA Viromes of Asiatic Toad (Bufo gargarizans) by Metagenomics Sequencing. Viruses, 2023, 15, 750.	3.3	4
35	Surveillance of SARS-CoV-2 at the Huanan Seafood Market. Nature, 2023, 631, 402-408.	40.1	33
36	Near-atomic architecture of Singapore grouper iridovirus and implications for giant virus assembly. Nature Communications, 2023, 14, .	14.1	15

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37	De novo design of protein interactions with learned surface fingerprints. Nature, 2023, 617, 176-184.	40.1	90
38	Mechanistic insights into DNA binding and cleavage by a compact type I-F CRISPR-Cas system in bacteriophage. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	1
39	Bioactive compounds from Huashi Baidu decoction possess both antiviral and anti-inflammatory effects against COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	55
40	Two-birds-one-stone approach to combine protein and mRNA vaccines for COVID-19. Nature Immunology, 2023, 24, 1056-1057.	13.1	0
41	Fine Regulation of Influenza Virus RNA Transcription and Replication by Stoichiometric Changes in Viral NS1 and NS2 Proteins. Journal of Virology, 2023, 97, .	3.6	6
42	Developmental and reproductive toxicity of a recombinant protein subunit COVID-19 vaccine (ZF2001) in rats. Npj Vaccines, 2023, 8, .	5.8	4
43	Rational design of an influenza-COVID-19 chimeric protective vaccine with HA-stalk and S-RBD. Emerging Microbes and Infections, 2023, 12, .	6.5	6
44	Robust and protective immune responses induced by heterologous primeâ€boost vaccination with DNAâ€protein dimeric RBD vaccines for COVIDâ€19. Journal of Medical Virology, 2023, 95, .	3.8	4
45	Dosing interval regimen shapes potency and breadth of antibody repertoire after vaccination of SARS-CoV-2 RBD protein subunit vaccine. Cell Discovery, 2023, 9, .	8.0	5
46	Inactivated vaccine fueled adaptive immune responses to Omicron in 2â€year COVIDâ€19 convalescents. Journal of Medical Virology, 2023, 95, .	3.8	0
47	Structural basis of white-tailed deer, Odocoileus virginianus , ACE2 recognizing all the SARS-CoV-2 variants of concern with high affinity. Journal of Virology, 2023, 97, .	3.6	8
48	KRAS G12V neoantigen specific T cell receptor for adoptive T cell therapy against tumors. Nature Communications, 2023, 14, .	14.1	25
49	Molecular mechanism of de novo replication by the Ebola virus polymerase. Nature, 2023, 622, 603-610.	40.1	13
50	Reply to Yan et al.: Quercetin possesses a fluorescence quenching effect but is a weak inhibitor against SARS-CoV-2 main protease. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	1
51	Structural basis for receptor binding and broader interspecies receptor recognition of currently circulating Omicron sub-variants. Nature Communications, 2023, 14, .	14.1	19
52	Broad protective RBD heterotrimer vaccines neutralize SARS-CoV-2 including Omicron sub-variants XBB/BQ.1.1/BF.7. PLoS Pathogens, 2023, 19, e1011659.	4.5	7
53	Reply to EkstrÃ¶m and Ottersen: Real-time access to data during outbreaks is a key to avoid a local epidemic becoming a global pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	0
54	Genomic analysis of almost 8,000 Salmonella genomes reveals drivers and landscape of antimicrobial resistance in China. Microbiology Spectrum, 2023, 11, .	3.6	7

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55	Evaluation and Mechanistic Investigation of Human Milk Oligosaccharide against SARS-CoV-2. Journal of Agricultural and Food Chemistry, 2023, 71, 16102-16113.	5.9	5
56	Evaluation of cross-neutralizing antibodies in children infected with omicron sub-variants. The Lancet Regional Health - Western Pacific, 2023, 40, 100939.	3.6	1
57	VH-CH1 switch region-inserting multispecific antibody designs and their efficacy against SARS-CoV-2 in vitro and in vivo. Cell Discovery, 2023, 9, .	8.0	2
58	Structural plasticity of human leptin binding to its receptor LepR. hLife, 2023, 1, 115-123.	2.7	1
59	The genomic characteristics and pathogenicity of a mammalian orthoreovirus within a new lineage from wild pika in plateau. Virologica Sinica, 2023, 38, 877-888.	3.0	3
60	Antibody response assessment of immediate breakthrough infections after zero-COVID policy adjustment in China. The Lancet Regional Health - Western Pacific, 2023, 40, 100945.	3.6	0
61	Durable and enhanced immunity against SARS-CoV-2 elicited by manganese nanoadjuvant formulated subunit vaccine. Signal Transduction and Targeted Therapy, 2023, 8, .	26.3	7
62	Defining a de novo non-RBM antibody as RBD-8 and its synergistic rescue of immune-evaded antibodies to neutralize Omicron SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	11
63	Emerging HxNy Influenza A Viruses. Cold Spring Harbor Perspectives in Medicine, 2022, 12, a038406.	6.7	44
64	One-Year Sustained Cellular and Humoral Immunities in Coronavirus Disease 2019 (COVID-19) Convalescents. Clinical Infectious Diseases, 2022, 75, e1072-e1081.	5.6	55
65	Risk Factors for Death Among the First 80 543 Coronavirus Disease 2019 (COVID-19) Cases in China: Relationships Between Age, Underlying Disease, Case Severity, and Region. Clinical Infectious Diseases, 2022, 74, 630-638.	5.6	18
66	Safety and immunogenicity of an inactivated COVID-19 vaccine, BBIBP-CorV, in people younger than 18 years: a randomised, double-blind, controlled, phase 1/2 trial. Lancet Infectious Diseases, The, 2022, 22, 196-208.	15.7	138
67	Virome of Bat-Infesting Arthropods: Highly Divergent Viruses in Different Vectors. Journal of Virology, 2022, 96, .	3.6	26
68	Landscapes and dynamic diversifications of B-cell receptor repertoires in COVID-19 patients. Human Immunology, 2022, 83, 119-129.	1.0	16
69	Immune response pattern across the asymptomatic, symptomatic and convalescent periods of COVID-19. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2022, 1870, 140736.	2.0	11
70	Mooring Stone-Like Arg¹¹⁴Pulls Diverse Bulged Peptides: First Insight into African Swine Fever Virus-Derived T Cell Epitopes Presented by Swine Major Histocompatibility Complex Class I. Journal of Virology, 2022, 96, .	3.6	3
71	SARS-CoV-2 transmissibility compared between variants of concern and vaccination status. Briefings in Bioinformatics, 2022, 23, .	7.1	4
72	Powassan virus: A tick borne flavivirus infecting humans. Biosafety and Health, 2022, 4, 30-37.	2.7	8

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73	Etiological and epidemiological features of acute meningitis or encephalitis in China: a nationwide active surveillance study. The Lancet Regional Health - Western Pacific, 2022, 20, 100361.	3.6	17
74	Molecular basis of differential receptor usage for naturally occurring CD55-binding and -nonbinding coxsackievirus B3 strains. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.7	7
75	The mysterious origins of the Omicron variant of SARS-CoV-2. Innovation(China), 2022, 3, 100206.	6.3	36
76	Target-Based Virtual Screening and LC/MS-Guided Isolation Procedure for Identifying Phloroglucinol-Terpenoid Inhibitors of SARS-CoV-2. Journal of Natural Products, 2022, 85, 327-336.	3.7	15
77	SNX27 suppresses SARS-CoV-2 infection by inhibiting viral lysosome/late endosome entry. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.7	30
78	Receptor binding and complex structures of human ACE2 to spike RBD from omicron and delta SARS-CoV-2. Cell, 2022, 185, 630-640.e10.	35.1	346
79	A binding-enhanced but enzymatic activity-eliminated human ACE2 efficiently neutralizes SARS-CoV-2 variants. Signal Transduction and Targeted Therapy, 2022, 7, .	26.3	11
80	Effects of a Prolonged Booster Interval on Neutralization of Omicron Variant. New England Journal of Medicine, 2022, 386, 894-896.	25.5	83
81	Omicron variant of SARS-CoV-2 imposes a new challenge for the global public health. Biosafety and Health, 2022, 4, 147-149.	2.7	31
82	A COVID-19 T-Cell Response Detection Method Based on a Newly Identified Human CD8⁺ T Cell Epitope from SARS-CoV-2 â€" Hubei Province, China, 2021. China CDC Weekly, 2022, 4, 83-87.	2.2	5
83	Nasal delivery of thermostable and broadly neutralizing antibodies protects mice against SARS-CoV-2 infection. Signal Transduction and Targeted Therapy, 2022, 7, .	26.3	13
84	An engineered bispecific human monoclonal antibody against SARS-CoV-2. Nature Immunology, 2022, 23, 423-430.	13.1	49
85	A tandem-repeat dimeric RBD protein-based covid-19 vaccine zf2001 protects mice and nonhuman primates. Emerging Microbes and Infections, 2022, 11, 1058-1071.	6.5	69
86	Avian influenza viruses suppress innate immunity by inducing trans-transcriptional readthrough via SSU72. Cellular and Molecular Immunology, 2022, 19, 702-714.	10.4	8
87	Intraâ€host variation and evolutionary dynamics of adenoviruses correlate to neutrophils in infected patients. Journal of Medical Virology, 2022, , .	3.8	1
88	Long-Lasting Virus-Specific T Cell Response with Divergent Features in Self-Resolved and Chronic Hepatitis C Virus Patients 35 Years Postinfection. ImmunoHorizons, 2022, 6, 191-201.	1.7	0
89	PD-1 N58-Glycosylation-Dependent Binding of Monoclonal Antibody Cemiplimab for Immune Checkpoint Therapy. Frontiers in Immunology, 2022, 13, .	5.0	22
90	A protein subunit vaccine booster following two doses of inactivated SARS-CoV-2 vaccine provides high neutralisation of SARS-CoV-2 and its variants in mice. Lancet Microbe, The, 2022, 3, e165-e166.	12.5	8

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91	Exploration of immunological responses underpinning severe fever with thrombocytopenia syndrome virus infection reveals IL-6 as a therapeutic target in an immunocompromised mouse model. PNAS Nexus, 2022, 1, .	3.3	6
92	More efforts are needed for background surveys of zoonotic coronaviruses in animals. Cell Reports Medicine, 2022, 3, 100524.	7.3	1
93	Heterologous BBIBP-CorV/ZF2001 vaccination augments neutralization against SARS-CoV-2 variants: A preliminary observation. The Lancet Regional Health - Western Pacific, 2022, 21, 100440.	3.6	5
94	Phosphosite-dependent presentation of dual phosphorylated peptides by MHC class I molecules. IScience, 2022, 25, 104013.	3.8	4
95	Broad Impacts of Coronavirus Disease 2019 (COVID-19) Pandemic on Acute Respiratory Infections in China: An Observational Study. Clinical Infectious Diseases, 2022, 75, e1054-e1062.	5.6	71
96	The Impact and Vaccination Coverage of Seasonal Influenza among Children Aged 6â€“59 Months in China in 2017â€“2018: An Internet Panel Survey. Vaccines, 2022, 10, 630.	3.1	8
97	The â€œWolfâ€•Is Indeed Coming: Recombinant â€œDeltacronâ€•SARS-CoV-2 Detected. China CDC Weekly, 2022, 4, 285-287.	2.2	17
98	Novel Insights Into the Sulfated Glucuronic Acid-Based Anti-SARS-CoV-2 Mechanism of Exopolysaccharides From Halophilic Archaeon Haloarcula hispanica. Frontiers in Chemistry, 2022, 10, .	3.6	9
99	An adjusted ELISpot-based immunoassay for evaluation of SARS-CoV-2-specific T-cell responses. Biosafety and Health, 2022, 4, 179-185.	2.7	4
100	Protective prototype-Beta and Delta-Omicron chimeric RBD-dimer vaccines against SARS-CoV-2. Cell, 2022, 185, 2265-2278.e14.	35.1	91
101	Transcriptome profiling in swine macrophages infected with African swine fever virus at single-cell resolution. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.7	55
102	Efficacy and Safety of the RBD-Dimerâ€“Based Covid-19 Vaccine ZF2001 in Adults. New England Journal of Medicine, 2022, 386, 2097-2111.	25.5	184
103	Epidemiological and Clinical Characteristics of Respiratory Syncytial Virus Infections in Children Aged <5 Years in China, from 2014â€“2018. Vaccines, 2022, 10, 810.	3.1	8
104	Safety and immunogenicity of heterologous boost immunization with an adenovirus type-5-vectored and protein-subunit-based COVID-19 vaccine (Convidecia/ZF2001): A randomized, observer-blinded, placebo-controlled trial. PLoS Medicine, 2022, 19, e1003953.	8.1	29
105	Structural basis of human ACE2 higher binding affinity to currently circulating Omicron SARS-CoV-2 sub-variants BA.2 and BA.1.1. Cell, 2022, 185, 2952-2960.e10.	35.1	98
106	Cross-species recognition and molecular basis of SARS-CoV-2 and SARS-CoV binding to ACE2s of marine animals. National Science Review, 2022, 9, .	10.0	15
107	Atlas of currently available human neutralizing antibodies against SARS-CoV-2 and escape by Omicron sub-variants BA.1/BA.1.1/BA.2/BA.3. Immunity, 2022, 55, 1501-1514.e3.	22.7	61
108	Binding and structural basis of equine ACE2 to RBDs from SARS-CoV, SARS-CoV-2 and related coronaviruses. Nature Communications, 2022, 13, .	14.1	20

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109	N-linked glycosylation enhances hemagglutinin stability in avian H5N6 influenza virus to promote adaptation in mammals. PNAS Nexus, 2022, 1, .	3.3	10
110	Broader-species receptor binding and structural bases of Omicron SARS-CoV-2 to both mouse and palm-civet ACE2s. Cell Discovery, 2022, 8, .	8.0	31
111	Human FcRn Is a Two-in-One Attachment-Uncoating Receptor for Echovirus 18. MBio, 2022, 13, .	4.5	9
112	Relatively rapid evolution rates of SARS-CoV-2 spike gene at the primary stage of massive vaccination. Biosafety and Health, 2022, 4, 228-233.	2.7	6
113	Immunogenicity, efficacy and safety of COVID-19 vaccines: an update of data published by 31 December 2021. International Immunology, 2022, 34, 595-607.	3.4	22
114	Omicron SARS-CoV-2 Neutralization from Inactivated and ZF2001 Vaccines. New England Journal of Medicine, 2022, 387, 277-280.	25.5	71
115	Omicron SARS-CoV-2 mutations stabilize spike up-RBD conformation and lead to a non-RBM-binding monoclonal antibody escape. Nature Communications, 2022, 13, .	14.1	74
116	Molecular Basis of Mink ACE2 Binding to SARS-CoV-2 and Its Mink-Derived Variants. Journal of Virology, 2022, 96, .	3.6	18
117	mRNA vaccines expressing homo-prototype/Omicron and hetero-chimeric RBD-dimers against SARS-CoV-2. Cell Research, 2022, 32, 1022-1025.	8.2	17
118	Structure of the Ebola virus polymerase complex. Nature, 2022, 610, 394-401.	40.1	38
119	Apolipoprotein E mediates cell resistance to influenza virus infection. Science Advances, 2022, 8, .	11.3	16
120	Structural and inhibitor sensitivity analysis of influenza Bâ€“like viral neuraminidases derived from Asiatic toad and spiny eel. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.7	0
121	Molecular Basis for the Recognition of HIV Nef138-8 Epitope by a Pair of Human Public T Cell Receptors. Journal of Immunology, 2022, 209, 1652-1661.	0.6	3
122	A multinational Delphi consensus to end the COVID-19 public health threat. Nature, 2022, 611, 332-345.	40.1	123
123	Spatialâ€“temporal heterogeneity and determinants of HIV prevalence in the Mano River Union countries. Infectious Diseases of Poverty, 2022, 11, .	5.0	3
124	Structural basis for a human broadly neutralizing influenza A hemagglutinin stem-specific antibody including H17/18 subtypes. Nature Communications, 2022, 13, .	14.1	8
125	Genomic Shift in Population Dynamics of mcr-1-Positive Escherichia Coli in Human Carriage. Genomics, Proteomics and Bioinformatics, 2022, 20, 1168-1179.	6.1	4
126	One Hundred Days of Coronavirus Disease 2019 Prevention and Control in China. Clinical Infectious Diseases, 2021, 72, 332-339.	5.6	43

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127	Safety and immunogenicity of an inactivated SARS-CoV-2 vaccine, BBIBP-CorV: a randomised, double-blind, placebo-controlled, phase 1/2 trial. Lancet Infectious Diseases, The, 2021, 21, 39-51.	15.7	877
128	Crystal structure of the African swine fever virus core shell protein p15. Biosafety and Health, 2021, 3, 116-123.	2.7	2
129	Long Distance Transmission of SARS-CoV-2 from Contaminated Cold Chain Products to Humans â€" Qingdao City, Shandong Province, China, September 2020. China CDC Weekly, 2021, 3, 637-644.	2.2	24
130	Critical role of Syk-dependent STAT1 activation in innate antiviral immunity. Cell Reports, 2021, 34, 108627.	6.4	37
131	Five Independent Cases of Human Infection with Avian Influenza H5N6 â€" Sichuan Province, China, 2021. China CDC Weekly, 2021, 3, 751-756.	2.2	16
132	Spatial Analysis of People Living with HIV/AIDS Transmitted Through Commercial Heterosexual Contact or Non-Marital Non-Commercial Heterosexual Contact â€" China, 2018. China CDC Weekly, 2021, 3, 316-319.	2.2	5
133	Interpretation of the Protocol for Prevention and Control of COVID-19 in China (Edition 8). China CDC Weekly, 2021, 3, 527-530.	2.2	22
134	Re-emergence of H5N8 highly pathogenic avian influenza virus in wild birds, China. Emerging Microbes and Infections, 2021, 10, 1819-1823.	6.5	19
135	Demographic features of identified PLWHA infected through commercial and nonmarital noncommercial heterosexual contact in China from 2015 to 2018: a retrospective cross-sectional study. BMC Infectious Diseases, 2021, 21, .	2.7	10
136	A single-dose mRNA vaccine provides a long-term protection for hACE2 transgenic mice from SARS-CoV-2. Nature Communications, 2021, 12, .	14.1	62
137	Downregulated miR-451a as a feature of the plasma cfRNA landscape reveals regulatory networks of IL-6/IL-6R-associated cytokine storms in COVID-19 patients. Cellular and Molecular Immunology, 2021, 18, 1064-1066.	10.4	34
138	Structural basis for the inhibition of the SARS-CoV-2 main protease by the anti-HCV drug narlaprevir. Signal Transduction and Targeted Therapy, 2021, 6, .	26.3	23
139	Myocarditis and heart function impairment occur in neonatal mice following in utero exposure to the Zika virus. Journal of Cellular and Molecular Medicine, 2021, 25, 2730-2733.	4.1	4
140	Susceptibility and Attenuated Transmissibility of SARS-CoV-2 in Domestic Cats. Journal of Infectious Diseases, 2021, 223, 1313-1321.	4.0	45
141	mRNA vaccines: A matter of delivery. EClinicalMedicine, 2021, 32, 100746.	8.8	45
142	Recombinant SARS-CoV-2 RBD with a built in T helper epitope induces strong neutralization antibody response. Vaccine, 2021, 39, 1241-1247.	3.2	20
143	Two immunogenic recombinant protein vaccine candidates showed disparate protective efficacy against Zika virus infection in rhesus macaques. Vaccine, 2021, 39, 915-925.	3.2	5
144	Asymptomatic SARS-CoV-2 Infections Among Persons Entering China From April 16 to October 12, 2020. JAMA - Journal of the American Medical Association, 2021, 325, 489.	13.7	23

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145	Spatiotemporal visualization for the global COVID-19 surveillance byÂballoon chart. Infectious Diseases of Poverty, 2021, 10, .	5.0	5
146	ADAM17 is an essential attachment factor for classical swine fever virus. PLoS Pathogens, 2021, 17, e1009393.	4.5	17
147	Antibody seroprevalence in the epicenter Wuhan, Hubei, and six selected provinces after containment of the first epidemic wave of COVID-19 in China. The Lancet Regional Health - Western Pacific, 2021, 8, 100094.	3.6	29
148	Comparative genomic analysis of mobile colistin resistance gene mcr-9 in Salmonella enterica. Journal of Infection, 2021, 82, e15-e17.	2.9	6
149	Comprehensive large-scale nucleic acidâ€“testing strategies support Chinaâ€™s sustained containment of COVID-19. Nature Medicine, 2021, 27, 740-742.	25.6	77
150	Avian influenza A (H7N9) virus: from low pathogenic to highly pathogenic. Frontiers of Medicine, 2021, 15, 507-527.	2.9	40
151	Etiological, epidemiological, and clinical features of acute diarrhea in China. Nature Communications, 2021, 12, .	14.1	94
152	Serum sample neutralisation of BBIBP-CorV and ZF2001 vaccines to SARS-CoV-2 501Y.V2. Lancet Microbe, The, 2021, 2, e285.	12.5	47
153	Diurnal rhythm disruptions induced by chronic unpredictable stress relate to depression-like behaviors in rats. Pharmacology Biochemistry and Behavior, 2021, 204, 173156.	2.4	4
154	Identification of antibiotic resistance genes and associated mobile genetic elements in permafrost. Science China Life Sciences, 2021, 64, 2210-2213.	5.9	5
155	Mycobacterium tuberculosis protein kinase G acts as an unusual ubiquitinating enzyme to impair host immunity. EMBO Reports, 2021, 22, .	5.3	26
156	Impact of COVID-19 outbreaks and interventions on influenza in China and the United States. Nature Communications, 2021, 12, .	14.1	168
157	Molecular basis of crossâ€species ACE2 interactions with SARSâ€CoVâ€2â€like viruses of pangolin origin. EMBO Journal, 2021, 40, .	7.4	46
158	Cryo-EM structures of Lassa and Machupo virus polymerases complexed with cognate regulatory Z proteins identify targets for antivirals. Nature Microbiology, 2021, 6, 921-931.	12.8	24
159	Binding and molecular basis of the bat coronavirus RaTG13 virus to ACE2 in humans and other species. Cell, 2021, 184, 3438-3451.e10.	35.1	92
160	Distinct durability of IgM/IgG antibody responses in COVID-19 patients with differing severity. Science China Life Sciences, 2021, 65, 223-226.	5.9	6
161	The molecular basis for SARS-CoV-2 binding to dog ACE2. Nature Communications, 2021, 12, .	14.1	45
162	Protective Zika vaccines engineered to eliminate enhancement of dengue infection via immunodominance switch. Nature Immunology, 2021, 22, 958-968.	13.1	26

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163	Mobile Colistin Resistance Enzyme MCRâ€3 Facilitates Bacterial Evasion of Host Phagocytosis. Advanced Science, 2021, 8, .	12.8	20
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