

# Isolation of potent SARS-CoV-2 neutralizing antibodies small animal model

Science

369, 956-963

DOI: [10.1126/science.abc7520](https://doi.org/10.1126/science.abc7520)

Citation Report

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 antibodies, serum inflammatory biomarkers and clinical severity of hospitalized COVID-19 patients. <i>Journal of Clinical Virology</i> , 2020, 131, 104611.	1.6	61
2	&lt;p&gt;Immunoglobulin G2 Antibody as a Potential Target for COVID-19 Vaccine&lt;/p&gt; <i>ImmunoTargets and Therapy</i> , 2020, Volume 9, 143-149.	2.7	7
3	Toward Understanding Molecular Bases for Biological Diversification of Human Coronaviruses: Present Status and Future Perspectives. <i>Frontiers in Microbiology</i> , 2020, 11, 2016.	1.5	11
4	SARS-CoV-2 Treatment Approaches: Numerous Options, No Certainty for a Versatile Virus. <i>Frontiers in Pharmacology</i> , 2020, 11, 1224.	1.6	30
5	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. <i>Cell</i> , 2020, 183, 1024-1042.e21.	13.5	1,195
6	Structural analysis of full-length SARS-CoV-2 spike protein from an advanced vaccine candidate. <i>Science</i> , 2020, 370, 1089-1094.	6.0	290
7	A Therapeutic Non-self-reactive SARS-CoV-2 Antibody Protects from Lung Pathology in a COVID-19 Hamster Model. <i>Cell</i> , 2020, 183, 1058-1069.e19.	13.5	305
8	Beyond bulk single-chain sequencing: Getting at the whole receptor. <i>Current Opinion in Systems Biology</i> , 2020, 24, 93-99.	1.3	10
10	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. <i>Cell Reports</i> , 2020, 33, 108322.	2.9	59
11	An Alternative Binding Mode of IGHV3-53 Antibodies to the SARS-CoV-2 Receptor Binding Domain. <i>Cell Reports</i> , 2020, 33, 108274.	2.9	152
12	REGN-COV2 antibodies prevent and treat SARS-CoV-2 infection in rhesus macaques and hamsters. <i>Science</i> , 2020, 370, 1110-1115.	6.0	476
13	Preparedness needs research: How fundamental science and international collaboration accelerated the response to COVID-19. <i>PLoS Pathogens</i> , 2020, 16, e1008902.	2.1	28
14	Structural Basis of SARS-CoV-2 and SARS-CoV Antibody Interactions. <i>Trends in Immunology</i> , 2020, 41, 1006-1022.	2.9	79
15	A systematic review of SARS-CoV-2 vaccine candidates. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 237.	7.1	427
16	Animal models for COVID-19. <i>Nature</i> , 2020, 586, 509-515.	13.7	705
17	Convalescent Blood Products in COVID-19: A Narrative Review. <i>Therapeutic Advances in Infectious Disease</i> , 2020, 7, 204993612096064.	1.1	3
18	Durability of neutralizing antibodies and T-cell response post SARS-CoV-2 infection. <i>Frontiers of Medicine</i> , 2020, 14, 746-751.	1.5	57
19	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. <i>Cell</i> , 2020, 183, 996-1012.e19.	13.5	1,494

#	ARTICLE	IF	CITATIONS
20	Implications of Sex Differences in Immunity for SARS-CoV-2 Pathogenesis and Design of Therapeutic Interventions. <i>Immunity</i> , 2020, 53, 487-495.	6.6	127
21	Principles Learned from the International Race to Develop a Safe and Effective COVID-19 Vaccine. <i>ACS Central Science</i> , 2020, 6, 1341-1347.	5.3	11
22	Humoral and circulating follicular helper T cell responses in recovered patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 1428-1434.	15.2	400
23	Structural basis of a shared antibody response to SARS-CoV-2. <i>Science</i> , 2020, 369, 1119-1123.	6.0	536
24	Longitudinal Isolation of Potent Near-Germline SARS-CoV-2-Neutralizing Antibodies from COVID-19 Patients. <i>Cell</i> , 2020, 182, 843-854.e12.	13.5	310
25	Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Testing: Important but Imperfect. <i>Clinical Infectious Diseases</i> , 2020, 73, e3074-e3076.	2.9	4
26	Severe acute respiratory syndrome coronavirus-2 natural animal reservoirs and experimental models: systematic review. <i>Reviews in Medical Virology</i> , 2021, 31, e2196.	3.9	24
27	Quantum leap of monoclonal antibody (mAb) discovery and development in the COVID-19 era. <i>Seminars in Immunology</i> , 2020, 50, 101427.	2.7	31
28	The immunology of SARS-CoV-2 infections and vaccines. <i>Seminars in Immunology</i> , 2020, 50, 101422.	2.7	85
29	Cryo-EM Structures of SARS-CoV-2 Spike without and with ACE2 Reveal a pH-Dependent Switch to Mediate Endosomal Positioning of Receptor-Binding Domains. <i>Cell Host and Microbe</i> , 2020, 28, 867-879.e5.	5.1	316
30	Immunopathology, host-virus genome interactions, and effective vaccine development in SARS-CoV-2. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3774-3787.	1.9	12
31	Nanoparticle Vaccines Based on the Receptor Binding Domain (RBD) and Heptad Repeat (HR) of SARS-CoV-2 Elicit Robust Protective Immune Responses. <i>Immunity</i> , 2020, 53, 1315-1330.e9.	6.6	215
32	Cross-Neutralization of a SARS-CoV-2 Antibody to a Functionally Conserved Site Is Mediated by Avidity. <i>Immunity</i> , 2020, 53, 1272-1280.e5.	6.6	185
33	Development of Patient-Derived Human Monoclonal Antibodies Against Nucleocapsid Protein of Severe Acute Respiratory Syndrome Coronavirus 2 for Coronavirus Disease 2019 Diagnosis. <i>Frontiers in Immunology</i> , 2020, 11, 595970.	2.2	12
34	Dynamics of CD4 T Cell and Antibody Responses in COVID-19 Patients With Different Disease Severity. <i>Frontiers in Medicine</i> , 2020, 7, 592629.	1.2	54
35	SARS-CoV-2 Epitopes Are Recognized by a Public and Diverse Repertoire of Human T Cell Receptors. <i>Immunity</i> , 2020, 53, 1245-1257.e5.	6.6	194
36	SARS-CoV-2 neutralizing antibody structures inform therapeutic strategies. <i>Nature</i> , 2020, 588, 682-687.	13.7	1,346
37	Of Cross-immunity, Herd Immunity and Country-specific Plans: Experiences from COVID-19 in India. , 2020, 11, 1339.		20

#	ARTICLE	IF	CITATIONS
38	Asynchronous actions of immune responses in COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 284.	7.1	4
39	Development of a multi-antigenic SARS-CoV-2 vaccine candidate using a synthetic poxvirus platform. <i>Nature Communications</i> , 2020, 11, 6121.	5.8	71
40	Recent advances in therapeutic applications of neutralizing antibodies for virus infections: an overview. <i>Immunologic Research</i> , 2020, 68, 325-339.	1.3	39
41	Approaches and Challenges in SARS-CoV-2 Vaccine Development. <i>Cell Host and Microbe</i> , 2020, 28, 364-370.	5.1	98
42	The role of IgG Fc receptors in antibody-dependent enhancement. <i>Nature Reviews Immunology</i> , 2020, 20, 633-643.	10.6	340
43	A perspective on potential antibody-dependent enhancement of SARS-CoV-2. <i>Nature</i> , 2020, 584, 353-363.	13.7	413
44	Substance Use Disorder in the COVID-19 Pandemic: A Systematic Review of Vulnerabilities and Complications. <i>Pharmaceuticals</i> , 2020, 13, 155.	1.7	88
45	Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates. <i>New England Journal of Medicine</i> , 2020, 383, 1544-1555.	13.9	936
46	Fruitful Neutralizing Antibody Pipeline Brings Hope To Defeat SARS-Cov-2. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 815-829.	4.0	108
47	The Effects of Chloroquine and Hydroxychloroquine on ACE2-Related Coronavirus Pathology and the Cardiovascular System: An Evidence-Based Review. <i>Function</i> , 2020, 1, .	1.1	12
48	Replication-Competent Vesicular Stomatitis Virus Vaccine Vector Protects against SARS-CoV-2-Mediated Pathogenesis in Mice. <i>Cell Host and Microbe</i> , 2020, 28, 465-474.e4.	5.1	156
49	Engineering human ACE2 to optimize binding to the spike protein of SARS coronavirus 2. <i>Science</i> , 2020, 369, 1261-1265.	6.0	520
50	Deep Mutational Scanning of SARS-CoV-2 Receptor Binding Domain Reveals Constraints on Folding and ACE2 Binding. <i>Cell</i> , 2020, 182, 1295-1310.e20.	13.5	1,726
51	Potent neutralizing antibodies against multiple epitopes on SARS-CoV-2 spike. <i>Nature</i> , 2020, 584, 450-456.	13.7	1,337
52	Potently neutralizing and protective human antibodies against SARS-CoV-2. <i>Nature</i> , 2020, 584, 443-449.	13.7	956
53	Virus isolation of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) for diagnostic and research purposes. <i>Pathology</i> , 2020, 52, 760-763.	0.3	21
54	Rapid identification of a human antibody with high prophylactic and therapeutic efficacy in three animal models of SARS-CoV-2 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29832-29838.	3.3	81
55	Molecular Architecture of Early Dissemination and Massive Second Wave of the SARS-CoV-2 Virus in a Major Metropolitan Area. <i>MBio</i> , 2020, 11, .	1.8	99

#	ARTICLE	IF	CITATIONS
56	Progress and Pitfalls in the Quest for Effective SARS-CoV-2 (COVID-19) Vaccines. <i>Frontiers in Immunology</i> , 2020, 11, 579250.	2.2	72
57	Longitudinal observation and decline of neutralizing antibody responses in the three months following SARS-CoV-2 infection in humans. <i>Nature Microbiology</i> , 2020, 5, 1598-1607.	5.9	1,115
58	Measuring SARS-CoV-2 neutralizing antibody activity using pseudotyped and chimeric viruses. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	503
59	Immunoinformatic Analysis of SARS-CoV-2 Nucleocapsid Protein and Identification of COVID-19 Vaccine Targets. <i>Frontiers in Immunology</i> , 2020, 11, 587615.	2.2	94
60	Deep mutagenesis in the study of COVID-19: a technical overview for the proteomics community. <i>Expert Review of Proteomics</i> , 2020, 17, 633-638.	1.3	10
61	Neutralizing Antibodies Correlate with Protection from SARS-CoV-2 in Humans during a Fishery Vessel Outbreak with a High Attack Rate. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	494
62	Disease severity dictates SARS-CoV-2-specific neutralizing antibody responses in COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 180.	7.1	222
63	An alpaca nanobody neutralizes SARS-CoV-2 by blocking receptor interaction. <i>Nature Communications</i> , 2020, 11, 4420.	5.8	261
64	Cell and animal models of SARS-CoV-2 pathogenesis and immunity. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	46
65	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020, 370, 950-957.	6.0	504
66	Receptor-binding domain-specific human neutralizing monoclonal antibodies against SARS-CoV and SARS-CoV-2. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 212.	7.1	104
67	Structurally Resolved SARS-CoV-2 Antibody Shows High Efficacy in Severely Infected Hamsters and Provides a Potent Cocktail Pairing Strategy. <i>Cell</i> , 2020, 183, 1013-1023.e13.	13.5	227
68	Molecular features of IGHV3-53-encoded antibodies elicited by SARS-CoV-2. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 170.	7.1	14
69	Therapeutic antibodies and fusion inhibitors targeting the spike protein of SARS-CoV-2. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 415-421.	1.5	52
70	Clinical sensitivity and interpretation of PCR and serological COVID-19 diagnostics for patients presenting to the hospital. <i>FASEB Journal</i> , 2020, 34, 13877-13884.	0.2	117
71	Coronavirus Antiviral Research Database (CoV-RDB): An Online Database Designed to Facilitate Comparisons between Candidate Anti-Coronavirus Compounds. <i>Viruses</i> , 2020, 12, 1006.	1.5	60
72	Harnessing Recent Advances in Synthetic DNA and Electroporation Technologies for Rapid Vaccine Development Against COVID-19 and Other Emerging Infectious Diseases. <i>Frontiers in Medical Technology</i> , 2020, 2, 571030.	1.3	29
73	Disruption of Adaptive Immunity Enhances Disease in SARS-CoV-2-Infected Syrian Hamsters. <i>Journal of Virology</i> , 2020, 94, .	1.5	58

#	ARTICLE	IF	CITATIONS
74	Antibody-dependent enhancement and SARS-CoV-2 vaccines and therapies. <i>Nature Microbiology</i> , 2020, 5, 1185-1191.	5.9	553
75	Animal and translational models of SARS-CoV-2 infection and COVID-19. <i>Mucosal Immunology</i> , 2020, 13, 877-891.	2.7	155
76	Establishment of Murine Hybridoma Cells Producing Antibodies against Spike Protein of SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9167.	1.8	6
77	Emerging antibody-based therapeutics against SARS-CoV-2 during the global pandemic. <i>Antibody Therapeutics</i> , 2020, 3, 246-256.	1.2	34
78	A Potent SARS-CoV-2 Neutralizing Human Monoclonal Antibody That Reduces Viral Burden and Disease Severity in Syrian Hamsters. <i>Frontiers in Immunology</i> , 2020, 11, 614256.	2.2	32
79	Rapid generation of durable B cell memory to SARS-CoV-2 spike and nucleocapsid proteins in COVID-19 and convalescence. <i>Science Immunology</i> , 2020, 5, .	5.6	244
80	Development of a Rapid Focus Reduction Neutralization Test Assay for Measuring SARS-CoV-2 Neutralizing Antibodies. <i>Current Protocols in Immunology</i> , 2020, 131, e116.	3.6	111
81	Neutralizing antibodies for the treatment of COVID-19. <i>Nature Biomedical Engineering</i> , 2020, 4, 1134-1139.	11.6	98
82	Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome. <i>Science Immunology</i> , 2020, 5, .	5.6	404
83	Mechanisms of Dysregulated Humoral and Cellular Immunity by SARS-CoV-2. <i>Pathogens</i> , 2020, 9, 1027.	1.2	20
84	Current Prevention of COVID-19: Natural Products and Herbal Medicine. <i>Frontiers in Pharmacology</i> , 2020, 11, 588508.	1.6	99
85	<i>In Silico</i> Antibody Mutagenesis for Optimizing Its Binding to Spike Protein of Severe Acute Respiratory Syndrome Coronavirus 2. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9781-9787.	2.1	22
86	An ultrapotent synthetic nanobody neutralizes SARS-CoV-2 by stabilizing inactive Spike. <i>Science</i> , 2020, 370, 1473-1479.	6.0	336
87	Antibody Binding to SARS-CoV-2 S Glycoprotein Correlates with but Does Not Predict Neutralization. <i>Viruses</i> , 2020, 12, 1214.	1.5	26
88	Quick COVID-19 Healers Sustain Anti-SARS-CoV-2 Antibody Production. <i>Cell</i> , 2020, 183, 1496-1507.e16.	13.5	182
89	Germline immunoglobulin genes: Disease susceptibility genes hidden in plain sight?. <i>Current Opinion in Systems Biology</i> , 2020, 24, 100-108.	1.3	31
90	Pandemic Preparedness: Developing Vaccines and Therapeutic Antibodies For COVID-19. <i>Cell</i> , 2020, 181, 1458-1463.	13.5	92
91	Potent neutralizing antibodies from COVID-19 patients define multiple targets of vulnerability. <i>Science</i> , 2020, 369, 643-650.	6.0	1,104

#	ARTICLE	IF	CITATIONS
92	Structures of Human Antibodies Bound to SARS-CoV-2 Spike Reveal Common Epitopes and Recurrent Features of Antibodies. <i>Cell</i> , 2020, 182, 828-842.e16.	13.5	724
93	Studies in humanized mice and convalescent humans yield a SARS-CoV-2 antibody cocktail. <i>Science</i> , 2020, 369, 1010-1014.	6.0	1,140
94	COVID-19 Vaccines: "Warp Speed" Needs Mind Melds, Not Warped Minds. <i>Journal of Virology</i> , 2020, 94, .	1.5	79
95	An insight into the epitope-based peptide vaccine design strategy and studies against COVID-19. <i>Turkish Journal of Biology</i> , 2020, 44, 215-227.	2.1	24
96	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein. <i>Nature Medicine</i> , 2020, 26, 1422-1427.	15.2	450
97	A Replication-Competent Vesicular Stomatitis Virus for Studies of SARS-CoV-2 Spike-Mediated Cell Entry and Its Inhibition. <i>Cell Host and Microbe</i> , 2020, 28, 486-496.e6.	5.1	178
98	Design of a highly thermotolerant, immunogenic SARS-CoV-2 spike fragment. <i>Journal of Biological Chemistry</i> , 2021, 296, 100025.	1.6	43
99	Commercial Serology Assays Predict Neutralization Activity against SARS-CoV-2. <i>Clinical Chemistry</i> , 2021, 67, 404-414.	1.5	58
100	COVID-19: Discovery, diagnostics and drug development. <i>Journal of Hepatology</i> , 2021, 74, 168-184.	1.8	302
101	Recognition of the SARS-CoV-2 receptor binding domain by neutralizing antibodies. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 192-203.	1.0	165
102	Review of COVID-19 Antibody Therapies. <i>Annual Review of Biophysics</i> , 2021, 50, 1-30.	4.5	34
103	Antibodies at work in the time of severe acute respiratory syndrome coronavirus 2. <i>Cytotherapy</i> , 2021, 23, 101-110.	0.3	14
104	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , 2021, 223, 197-205.	1.9	216
105	Suitability of two rapid lateral flow immunochromatographic assays for predicting SARS-CoV-2 neutralizing activity of sera. <i>Journal of Medical Virology</i> , 2021, 93, 2301-2306.	2.5	12
106	Dosing Considerations for Antibodies Against COVID-19. <i>Drugs in R and D</i> , 2021, 21, 1-8.	1.1	5
107	Neutralizing monoclonal antibodies for COVID-19 treatment and prevention. <i>Biomedical Journal</i> , 2021, 44, 7-17.	1.4	38
108	Rational development of a human antibody cocktail that deploys multiple functions to confer Pan-SARS-CoVs protection. <i>Cell Research</i> , 2021, 31, 25-36.	5.7	76
109	Humoral immune responses and neutralizing antibodies against SARS-CoV-2; implications in pathogenesis and protective immunity. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 187-191.	1.0	86

#	ARTICLE	IF	CITATIONS
110	Complete Mapping of Mutations to the SARS-CoV-2 Spike Receptor-Binding Domain that Escape Antibody Recognition. <i>Cell Host and Microbe</i> , 2021, 29, 44-57.e9.	5.1	937
111	Challenges and opportunities for antiviral monoclonal antibodies as COVID-19 therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 169, 100-117.	6.6	63
112	COVID-19 antibody development fueled by HIV-1 broadly neutralizing antibody research. <i>Current Opinion in HIV and AIDS</i> , 2021, 16, 25-35.	1.5	7
113	Enhanced SARS-CoV-2 neutralization by dimeric IgA. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	379
114	Therapeutic and Vaccine Options for COVID-19: Status after Six Months of the Disease Outbreak. <i>SLAS Discovery</i> , 2021, 26, 311-329.	1.4	4
115	Viral targets for vaccines against COVID-19. <i>Nature Reviews Immunology</i> , 2021, 21, 73-82.	10.6	832
116	Neutralizing antibodies targeting SARS-CoV-2 spike protein. <i>Stem Cell Research</i> , 2021, 50, 102125.	0.3	89
117	Spike Glycoprotein and Host Cell Determinants of SARS-CoV-2 Entry and Cytopathic Effects. <i>Journal of Virology</i> , 2021, 95, .	1.5	70
118	Identifying and repurposing antiviral drugs against severe acute respiratory syndrome coronavirus 2 with in silico and in vitro approaches. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 137-144.	1.0	12
119	The scientific and ethical feasibility of immunity passports. <i>Lancet Infectious Diseases</i> , The, 2021, 21, e58-e63.	4.6	82
120	Antibody Responses and Clinical Outcomes in Adults Hospitalized With Severe Coronavirus Disease 2019 (COVID-19): A Post hoc Analysis of LOTUS China Trial. <i>Clinical Infectious Diseases</i> , 2021, 72, e545-e551.	2.9	34
121	Tissue Distribution of ACE2 Protein in Syrian Golden Hamster ( <i>Mesocricetus auratus</i> ) and Its Possible Implications in SARS-CoV-2 Related Studies. <i>Frontiers in Pharmacology</i> , 2020, 11, 579330.	1.6	30
122	COVID-19-neutralizing antibodies predict disease severity and survival. <i>Cell</i> , 2021, 184, 476-488.e11.	13.5	586
123	The role and uses of antibodies in COVID-19 infections: a living review. <i>Oxford Open Immunology</i> , 2021, 2, iqab003.	1.2	17
125	Versatile and rapid microfluidics-assisted antibody discovery. <i>MAbs</i> , 2021, 13, 1978130.	2.6	16
126	Long-term humoral immunogenicity, safety and protective efficacy of inactivated vaccine against COVID-19 (CoviVac) in preclinical studies. <i>Emerging Microbes and Infections</i> , 2021, 10, 1790-1806.	3.0	58
127	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. <i>MAbs</i> , 2021, 13, 1922134.	2.6	22
128	Molecular determinants and mechanism for antibody cocktail preventing SARS-CoV-2 escape. <i>Nature Communications</i> , 2021, 12, 469.	5.8	148



#	ARTICLE	IF	CITATIONS
129	Quasispecies of SARS-CoV-2 revealed by single nucleotide polymorphisms (SNPs) analysis. <i>Virulence</i> , 2021, 12, 1209-1226.	1.8	16
130	COVID-19: angiotensin-converting enzyme 2 (ACE2) expression and tissue susceptibility to SARS-CoV-2 infection. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 905-919.	1.3	445
131	Distinct Features and Functions of Systemic and Mucosal Humoral Immunity Among SARS-CoV-2 Convalescent Individuals. <i>Frontiers in Immunology</i> , 2020, 11, 618685.	2.2	87
132	A Single Immunization with Spike-Functionalized Ferritin Vaccines Elicits Neutralizing Antibody Responses against SARS-CoV-2 in Mice. <i>ACS Central Science</i> , 2021, 7, 183-199.	5.3	134
134	Pattern of circulating SARS-CoV-2-specific antibody-secreting and memory B-cell generation in patients with acute COVID-19. <i>Clinical and Translational Immunology</i> , 2021, 10, e1245.	1.7	41
136	Insights to SARS-CoV-2 life cycle, pathophysiology, and rationalized treatments that target COVID-19 clinical complications. <i>Journal of Biomedical Science</i> , 2021, 28, 9.	2.6	167
138	Passive Immunity Should and Will Work for COVID-19 for Some Patients. <i>Clinical Hematology International</i> , 2021, 3, 47.	0.7	4
139	SARS-CoV-2 infection elicits a rapid neutralizing antibody response that correlates with disease severity. <i>Scientific Reports</i> , 2021, 11, 2608.	1.6	86
140	Mesenchymal Stem Cells for the Compassionate Treatment of Severe Acute Respiratory Distress Syndrome Due to COVID 19. , 2021, 12, 360.		33
142	Computational optimization of angiotensin-converting enzyme 2 for SARS-CoV-2 Spike molecular recognition. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3006-3014.	1.9	9
143	A human cell-based SARS-CoV-2 vaccine elicits potent neutralizing antibody responses and protects mice from SARS-CoV-2 challenge. <i>Emerging Microbes and Infections</i> , 2021, 10, 1555-1573.	3.0	6
144	Inference of SARS-CoV-2 spike-binding neutralizing antibody titers in sera from hospitalized COVID-19 patients by using commercial enzyme and chemiluminescent immunoassays. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 485-494.	1.3	37
145	SARS-CoV-2 specific antibody and neutralization assays reveal the wide range of the humoral immune response to virus. <i>Communications Biology</i> , 2021, 4, 129.	2.0	95
146	A COVID-19 vaccine candidate using SpyCatcher multimerization of the SARS-CoV-2 spike protein receptor-binding domain induces potent neutralising antibody responses. <i>Nature Communications</i> , 2021, 12, 542.	5.8	200
147	Structural Analysis of Neutralizing Epitopes of the SARS-CoV-2 Spike to Guide Therapy and Vaccine Design Strategies. <i>Viruses</i> , 2021, 13, 134.	1.5	56
149	Specific epitopes form extensive hydrogen-bonding networks to ensure efficient antibody binding of SARS-CoV-2: Implications for advanced antibody design. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1661-1671.	1.9	7
150	Dual-Antigen System Allows Elimination of False Positive Results in COVID-19 Serological Testing. <i>Diagnostics</i> , 2021, 11, 102.	1.3	8
151	Bispecific VH/Fab antibodies targeting neutralizing and non-neutralizing Spike epitopes demonstrate enhanced potency against SARS-CoV-2. <i>MAbs</i> , 2021, 13, 1893426.	2.6	22

#	ARTICLE	IF	CITATIONS
152	Standardized Two-Step Testing of Antibody Activity in COVID-19 Convalescent Plasma. SSRN Electronic Journal, 0, , .	0.4	2
153	Germline IGHV3-53-encoded RBD-targeting neutralizing antibodies are commonly present in the antibody repertoires of COVID-19 patients. Emerging Microbes and Infections, 2021, 10, 1097-1111.	3.0	25
154	Recent Developments on Therapeutic and Diagnostic Approaches for COVID-19. AAPS Journal, 2021, 23, 14.	2.2	291
155	SARS-CoV-2: vaccines in the pandemic era. Military Medical Research, 2021, 8, 1.	1.9	104
157	Stereotypic neutralizing V <sub>H</sub> antibodies against SARS-CoV-2 spike protein receptor binding domain in patients with COVID-19 and healthy individuals. Science Translational Medicine, 2021, 13, .	5.8	72
162	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. Science, 2021, 371, .	6.0	2,268
163	Modalities and Mechanisms of Treatment for Coronavirus Disease 2019. Frontiers in Pharmacology, 2020, 11, 583914.	1.6	8
166	Neutralizing antibodies targeting the SARS-CoV-2 receptor binding domain isolated from a naïve human antibody library. Protein Science, 2021, 30, 716-727.	3.1	16
169	Insights into neutralizing antibody responses in individuals exposed to SARS-CoV-2 in Chile. Science Advances, 2021, 7, .	4.7	29
170	Phyldynamic analysis in the understanding of the current COVID-19 pandemic and its utility in vaccine and antiviral design and assessment. Human Vaccines and Immunotherapeutics, 2021, 17, 2437-2444.	1.4	7
172	Breadth and function of antibody response to acute SARS-CoV-2 infection in humans. PLoS Pathogens, 2021, 17, e1009352.	2.1	56
173	Graphene Sheets with Defined Dual Functionalities for the Strong SARS-CoV-2 Interactions. Small, 2021, 17, e2007091.	5.2	42
174	Experimental Models of SARS-CoV-2 Infection: Possible Platforms to Study COVID-19 Pathogenesis and Potential Treatments. Annual Review of Pharmacology and Toxicology, 2022, 62, 25-53.	4.2	20
176	The COVID-19 Treatment Landscape: A South African Perspective on a Race Against Time. Frontiers in Medicine, 2021, 8, 604087.	1.2	1
178	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. PLoS Pathogens, 2021, 17, e1009165.	2.1	40
179	Mosaic nanoparticles elicit cross-reactive immune responses to zoonotic coronaviruses in mice. Science, 2021, 371, 735-741.	6.0	305
180	Post-exposure protection of SARS-CoV-2 lethal infected K18-hACE2 transgenic mice by neutralizing human monoclonal antibody. Nature Communications, 2021, 12, 944.	5.8	53
181	COVID-19 vaccines for patients with cancer: benefits likely outweigh risks. Journal of Hematology and Oncology, 2021, 14, 38.	6.9	87

#	ARTICLE	IF	CITATIONS
182	High-throughput detection of antibodies targeting the SARS-CoV-2 Spike in longitudinal convalescent plasma samples. <i>Transfusion</i> , 2021, 61, 1377-1382.	0.8	17
184	In silico analysis suggests less effective MHC-II presentation of SARS-CoV-2 RBM peptides: Implication for neutralizing antibody responses. <i>PLoS ONE</i> , 2021, 16, e0246731.	1.1	7
185	Enhancement versus neutralization by SARS-CoV-2 antibodies from a convalescent donor associates with distinct epitopes on the RBD. <i>Cell Reports</i> , 2021, 34, 108699.	2.9	110
186	Persistence of Antibodies to Severe Acute Respiratory Syndrome Coronavirus 2 in Relation to Symptoms in a Nationwide Prospective Study. <i>Clinical Infectious Diseases</i> , 2021, 73, 2155-2162.	2.9	75
187	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. <i>Science</i> , 2021, 371, 823-829.	6.0	285
188	mRNA vaccine-elicited antibodies to SARS-CoV-2 and circulating variants. <i>Nature</i> , 2021, 592, 616-622.	13.7	1,232
189	Structure-guided multivalent nanobodies block SARS-CoV-2 infection and suppress mutational escape. <i>Science</i> , 2021, 371, .	6.0	304
194	Antibody titers against SARS-CoV-2 decline, but do not disappear for several months. <i>EClinicalMedicine</i> , 2021, 32, 100734.	3.2	134
196	Prolonged evolution of the human B cell response to SARS-CoV-2 infection. <i>Science Immunology</i> , 2021, 6, .	5.6	153
197	Neutralizing Human Antibodies against Severe Acute Respiratory Syndrome Coronavirus 2 Isolated from a Human Synthetic Fab Phage Display Library. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1913.	1.8	11
198	SARS-CoV-2 persistence is associated with antigen-specific CD8 T-cell responses. <i>EBioMedicine</i> , 2021, 64, 103230.	2.7	113
202	Lasting antibody and T cell responses to SARS-CoV-2 in COVID-19 patients three months after infection. <i>Nature Communications</i> , 2021, 12, 897.	5.8	69
203	Immunogenicity and protective efficacy of BBV152, whole virion inactivated SARS-CoV-2 vaccine candidates in the Syrian hamster model. <i>IScience</i> , 2021, 24, 102054.	1.9	70
204	Development and deployment of COVID-19 vaccines for those most vulnerable. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	60
205	Quantifying Absolute Neutralization Titers against SARS-CoV-2 by a Standardized Virus Neutralization Assay Allows for Cross-Cohort Comparisons of COVID-19 Sera. <i>MBio</i> , 2021, 12, .	1.8	64
206	A longitudinal study of convalescent plasma (CCP) donors and correlation of ABO group, initial neutralizing antibodies (nAb), and body mass index (BMI) with nAb and anti-nucleocapsid (NP) SARS-CoV-2 antibody kinetics: Proposals for better quality of CCP collections. <i>Transfusion</i> , 2021, 61, 1447-1460.	0.8	22
208	Treatment of influenza and SARS-CoV-2 infections via mRNA-encoded Cas13a in rodents. <i>Nature Biotechnology</i> , 2021, 39, 717-726.	9.4	130
209	Adaptive immunity to SARS-CoV-2 and COVID-19. <i>Cell</i> , 2021, 184, 861-880.	13.5	1,364

#	ARTICLE	IF	CITATIONS
210	Insights into biological therapeutic strategies for COVID-19. <i>Fundamental Research</i> , 2021, 1, 166-178.	1.6	2
211	Potent Neutralization of SARS-CoV-2 by Hetero-Bivalent Alpaca Nanobodies Targeting the Spike Receptor-Binding Domain. <i>Journal of Virology</i> , 2021, 95, .	1.5	46
217	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	23
218	Durability of Viral Neutralization in Asymptomatic Coronavirus Disease 2019 for at Least 60 Days. <i>Journal of Infectious Diseases</i> , 2021, 223, 1677-1680.	1.9	4
219	All-Atom Simulations and Free-Energy Calculations of Antibodies Bound to the Spike Protein of SARS-CoV-2: The Binding Strength and Multivalent Hydrogen-Bond Interactions. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100012.	1.3	2
222	Single-component, self-assembling, protein nanoparticles presenting the receptor binding domain and stabilized spike as SARS-CoV-2 vaccine candidates. <i>Science Advances</i> , 2021, 7, .	4.7	80
223	Nicotinic cholinergic system and COVID-19: In silico identification of interactions between $\pm 7$ nicotinic acetylcholine receptor and the cryptic epitopes of SARS-Co-V and SARS-CoV-2 Spike glycoproteins. <i>Food and Chemical Toxicology</i> , 2021, 149, 112009.	1.8	46
224	Differential Effects of Antiseptic Mouth Rinses on SARS-CoV-2 Infectivity In Vitro. <i>Pathogens</i> , 2021, 10, 272.	1.2	43
225	A high-affinity RBD-targeting nanobody improves fusion partner's potency against SARS-CoV-2. <i>PLoS Pathogens</i> , 2021, 17, e1009328.	2.1	37
227	Protein N-myristoylation: functions and mechanisms in control of innate immunity. <i>Cellular and Molecular Immunology</i> , 2021, 18, 878-888.	4.8	53
230	Establishment of a well-characterized SARS-CoV-2 lentiviral pseudovirus neutralization assay using 293T cells with stable expression of ACE2 and TMPRSS2. <i>PLoS ONE</i> , 2021, 16, e0248348.	1.1	102
231	Immunity to SARS-CoV-2: Lessons Learned. <i>Frontiers in Immunology</i> , 2021, 12, 654165.	2.2	33
232	Persistence of SARS-CoV-2-specific B and T cell responses in convalescent COVID-19 patients 6–8 months after the infection. <i>Med</i> , 2021, 2, 281-295.e4.	2.2	153
233	The Importance and Challenges of Identifying SARS-CoV-2 Reinfections. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	73
235	The Characterization of Disease Severity Associated IgG Subclasses Response in COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 632814.	2.2	62
236	mRNA vaccination boosts cross-variant neutralizing antibodies elicited by SARS-CoV-2 infection. <i>Science</i> , 2021, 372, 1413-1418.	6.0	468
237	Neutralizing Monoclonal Anti-SARS-CoV-2 Antibodies Isolated from Immunized Rabbits Define Novel Vulnerable Spike-Protein Epitope. <i>Viruses</i> , 2021, 13, 566.	1.5	23
239	Monoclonal antibodies capable of binding SARS-CoV-2 spike protein receptor-binding motif specifically prevent GM-CSF induction. <i>Journal of Leukocyte Biology</i> , 2021, 111, 261-267.	1.5	13

#	ARTICLE	IF	CITATIONS
240	SARS-CoV-2 neutralizing human recombinant antibodies selected from pre-pandemic healthy donors binding at RBD-ACE2 interface. <i>Nature Communications</i> , 2021, 12, 1577.	5.8	73
241	SARS-CoV-2 Antigens Expressed in Plants Detect Antibody Responses in COVID-19 Patients. <i>Frontiers in Plant Science</i> , 2021, 12, 589940.	1.7	31
242	Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection. <i>Cell</i> , 2021, 184, 1188-1200.e19.	13.5	154
243	Correlates of Vaccine-Induced Protection against SARS-CoV-2. <i>Vaccines</i> , 2021, 9, 238.	2.1	49
244	Gender associates with both susceptibility to infection and pathogenesis of SARS-CoV-2 in Syrian hamster. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 136.	7.1	57
246	Identification of SARS-CoV-2 spike mutations that attenuate monoclonal and serum antibody neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 477-488.e4.	5.1	700
247	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021, 184, 1171-1187.e20.	13.5	541
248	Two-tiered SARS-CoV-2 seroconversion screening in the Netherlands and stability of nucleocapsid, spike protein domain 1 and neutralizing antibodies. <i>Infectious Diseases</i> , 2021, 53, 498-512.	1.4	12
249	Lasting memories of SARS-CoV-2 infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	2
251	Dromedary camels as a natural source of neutralizing nanobodies against SARS-CoV-2. <i>JCI Insight</i> , 2021, 6, .	2.3	9
252	Antibody display technologies: selecting the cream of the crop. <i>Biological Chemistry</i> , 2022, 403, 455-477.	1.2	71
253	Broad-Spectrum Anti-coronavirus Vaccines and Therapeutics to Combat the Current COVID-19 Pandemic and Future Coronavirus Disease Outbreaks. <i>Stem Cell Reports</i> , 2021, 16, 398-411.	2.3	18
254	Engineering luminescent biosensors for point-of-care SARS-CoV-2 antibody detection. <i>Nature Biotechnology</i> , 2021, 39, 928-935.	9.4	106
255	Technology and Entrepreneurial Marketing Decisions During COVID-19. <i>Global Journal of Flexible Systems Management</i> , 2021, 22, 95-112.	3.4	39
257	A conserved immunogenic and vulnerable site on the coronavirus spike protein delineated by cross-reactive monoclonal antibodies. <i>Nature Communications</i> , 2021, 12, 1715.	5.8	138
258	COVID-19 vaccines: The status and perspectives in delivery points of view. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 1-25.	6.6	262
261	Drug discovery and development targeting the life cycle of SARS-CoV-2. <i>Fundamental Research</i> , 2021, 1, 151-165.	1.6	9
262	Immunogenicity of prime-boost protein subunit vaccine strategies against SARS-CoV-2 in mice and macaques. <i>Nature Communications</i> , 2021, 12, 1403.	5.8	65

#	ARTICLE	IF	CITATIONS
263	The effect of spike mutations on SARS-CoV-2 neutralization. <i>Cell Reports</i> , 2021, 34, 108890.	2.9	200
264	S-Trimer, a COVID-19 subunit vaccine candidate, induces protective immunity in nonhuman primates. <i>Nature Communications</i> , 2021, 12, 1346.	5.8	133
266	Severe Acute Respiratory Syndrome Coronavirus 2 Spike Protein Based Novel Epitopes Induce Potent Immune Responses in vivo and Inhibit Viral Replication in vitro. <i>Frontiers in Immunology</i> , 2021, 12, 613045.	2.2	14
268	Single-Dilution COVID-19 Antibody Test with Qualitative and Quantitative Readouts. <i>MSphere</i> , 2021, 6, .	1.3	11
269	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	109
270	Shared B cell memory to coronaviruses and other pathogens varies in human age groups and tissues. <i>Science</i> , 2021, 372, 738-741.	6.0	47
271	Vitamin D and immuno-pathology of COVID-19: many interactions but uncertain therapeutic benefits. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 1245-1258.	2.0	8
272	Prophylaxis for COVID-19: a systematic review. <i>Clinical Microbiology and Infection</i> , 2021, 27, 532-537.	2.8	21
274	Novel ELISA Protocol Links Pre-Existing SARS-CoV-2 Reactive Antibodies With Endemic Coronavirus Immunity and Age and Reveals Improved Serologic Identification of Acute COVID-19 via Multi-Parameter Detection. <i>Frontiers in Immunology</i> , 2021, 12, 614676.	2.2	13
275	Modular basis for potent SARS-CoV-2 neutralization by a prevalent VH1-2-derived antibody class. <i>Cell Reports</i> , 2021, 35, 108950.	2.9	54
276	Coronavirus disease 2019 and the revival of passive immunization: Antibody therapy for inhibiting severe acute respiratory syndrome coronavirus 2 and preventing host cell infection: IUPHAR review 31. <i>British Journal of Pharmacology</i> , 2021, 178, 3359-3372.	2.7	10
277	No Evidence for Human Monocyte-Derived Macrophage Infection and Antibody-Mediated Enhancement of SARS-CoV-2 Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 644574.	1.8	35
278	Robust SARS-CoV-2 infection in nasal turbinates after treatment with systemic neutralizing antibodies. <i>Cell Host and Microbe</i> , 2021, 29, 551-563.e5.	5.1	87
279	NeutrobodyPlex™ monitoring SARS-CoV-2 neutralizing immune responses using nanobodies. <i>EMBO Reports</i> , 2021, 22, e52325.	2.0	43
280	The neutralizing antibody, LY-CoV555, protects against SARS-CoV-2 infection in nonhuman primates. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	347
281	Extremely potent human monoclonal antibodies from COVID-19 convalescent patients. <i>Cell</i> , 2021, 184, 1821-1835.e16.	13.5	180
282	SARS-CoV-2 can recruit a heme metabolite to evade antibody immunity. <i>Science Advances</i> , 2021, 7, .	4.7	107
283	Mefloquine, a Potent Anti-severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) Drug as an Entry Inhibitor in vitro. <i>Frontiers in Microbiology</i> , 2021, 12, 651403.	1.5	25

#	ARTICLE	IF	CITATIONS
284	Neutralizing Antibody Therapeutics for COVID-19. <i>Viruses</i> , 2021, 13, 628.	1.5	99
286	Mutations derived from horseshoe bat ACE2 orthologs enhance ACE2-Fc neutralization of SARS-CoV-2. <i>PLoS Pathogens</i> , 2021, 17, e1009501.	2.1	97
289	A novel linker-immunodominant site (LIS) vaccine targeting the SARS-CoV-2 spike protein protects against severe COVID-19 in Syrian hamsters. <i>Emerging Microbes and Infections</i> , 2021, 10, 874-884.	3.0	11
292	Bridging animal and clinical research during SARS-CoV-2 pandemic: A new-old challenge. <i>EBioMedicine</i> , 2021, 66, 103291.	2.7	15
293	Evaluation of a commercially-available surrogate virus neutralization test for severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 99, 115294.	0.8	80
294	Animal Models of COVID-19 II. Comparative Immunology. <i>ILAR Journal</i> , 2021, 62, 17-34.	1.8	20
297	Potent germline-like monoclonal antibodies: rapid identification of promising candidates for antibody-based antiviral therapy. <i>Antibody Therapeutics</i> , 2021, 4, 89-98.	1.2	0
299	Antibody Affinity Governs the Inhibition of SARS-CoV-2 Spike/ACE2 Binding in Patient Serum. <i>ACS Infectious Diseases</i> , 2021, 7, 2362-2369.	1.8	32
301	SARS-CoV-2 protein subunit vaccination of mice and rhesus macaques elicits potent and durable neutralizing antibody responses. <i>Cell Reports Medicine</i> , 2021, 2, 100252.	3.3	33
302	Antibodies and Vaccines Target RBD of SARS-CoV-2. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 671633.	1.6	108
303	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2. <i>Cell</i> , 2021, 184, 2332-2347.e16.	13.5	784
304	Neutralizing and protective human monoclonal antibodies recognizing the N-terminal domain of the SARS-CoV-2 spike protein. <i>Cell</i> , 2021, 184, 2316-2331.e15.	13.5	321
305	Human neutralizing antibodies against SARS-CoV-2 require intact Fc effector functions for optimal therapeutic protection. <i>Cell</i> , 2021, 184, 1804-1820.e16.	13.5	297
307	Intranasal administration of a recombinant RBD vaccine induced protective immunity against SARS-CoV-2 in mouse. <i>Vaccine</i> , 2021, 39, 2280-2287.	1.7	47
309	Integrative overview of antibodies against SARS-CoV-2 and their possible applications in COVID-19 prophylaxis and treatment. <i>Microbial Cell Factories</i> , 2021, 20, 88.	1.9	37
310	Selection, identification, and characterization of SARS-CoV-2 monoclonal antibody resistant mutants. <i>Journal of Virological Methods</i> , 2021, 290, 114084.	1.0	1
311	Durable SARS-CoV-2 B cell immunity after mild or severe disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	76
312	A human coronavirus evolves antigenically to escape antibody immunity. <i>PLoS Pathogens</i> , 2021, 17, e1009453.	2.1	183

#	ARTICLE	IF	CITATIONS
314	Age-dependent and gender-dependent antibody responses against SARS-CoV-2 in health workers and octogenarians after vaccination with the BNT162b2 mRNA vaccine. <i>American Journal of Hematology</i> , 2021, 96, E257-E259.	2.0	138
315	Complete map of SARS-CoV-2 RBD mutations that escape the monoclonal antibody LY-CoV555 and its cocktail with LY-CoV016. <i>Cell Reports Medicine</i> , 2021, 2, 100255.	3.3	402
319	SARS-CoV-2 spike variants exhibit differential infectivity and neutralization resistance to convalescent or post-vaccination sera. <i>Cell Host and Microbe</i> , 2021, 29, 522-528.e2.	5.1	173
322	The Mechanisms and Animal Models of SARS-CoV-2 Infection. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 578825.	1.8	20
324	Intermolecular Interaction Analyses on SARS-CoV-2 Spike Protein Receptor Binding Domain and Human Angiotensin-Converting Enzyme 2 Receptor-Blocking Antibody/Peptide Using Fragment Molecular Orbital Calculation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4059-4066.	2.1	22
326	Scrutinizing Coronaviruses Using Publicly Available Bioinformatic Tools: The Viral Structural Proteins as a Case Study. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 671923.	1.6	0
327	ACE2-based decoy receptors for SARS coronavirus 2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1065-1078.	1.5	23
329	SARS-CoV-2 evolution in an immunocompromised host reveals shared neutralization escape mechanisms. <i>Cell</i> , 2021, 184, 2605-2617.e18.	13.5	151
330	Dynamics of B cell repertoires and emergence of cross-reactive responses in patients with different severities of COVID-19. <i>Cell Reports</i> , 2021, 35, 109173.	2.9	46
331	Possible inhibition of GM-CSF production by SARS-CoV-2 spike-based vaccines. <i>Molecular Medicine</i> , 2021, 27, 49.	1.9	7
332	Inhalable Nanobody (PiN-21) prevents and treats SARS-CoV-2 infections in Syrian hamsters at ultra-low doses. <i>Science Advances</i> , 2021, 7, .	4.7	113
333	Prevalent, protective, and convergent IgG recognition of SARS-CoV-2 non-RBD spike epitopes. <i>Science</i> , 2021, 372, 1108-1112.	6.0	210
334	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. <i>Nature</i> , 2021, 594, 553-559.	13.7	199
335	Cross-reactive serum and memory B-cell responses to spike protein in SARS-CoV-2 and endemic coronavirus infection. <i>Nature Communications</i> , 2021, 12, 2938.	5.8	219
336	IgV somatic mutation of human anti-SARS-CoV-2 monoclonal antibodies governs neutralization and breadth of reactivity. <i>JCI Insight</i> , 2021, 6, .	2.3	13
337	Structural and functional ramifications of antigenic drift in recent SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 818-823.	6.0	309
339	High-resolution profiling of pathways of escape for SARS-CoV-2 spike-binding antibodies. <i>Cell</i> , 2021, 184, 2927-2938.e11.	13.5	35
340	SARS-CoV-2 cell entry and targeted antiviral development. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3879-3888.	5.7	21



#	ARTICLE	IF	CITATIONS
341	Adaptive immune responses to SARS-CoV-2. <i>Advanced Drug Delivery Reviews</i> , 2021, 172, 1-8.	6.6	6
342	A combination of cross-neutralizing antibodies synergizes to prevent SARS-CoV-2 and SARS-CoV pseudovirus infection. <i>Cell Host and Microbe</i> , 2021, 29, 806-818.e6.	5.1	49
343	Therapeutic Potential of Exploiting Autophagy Cascade Against Coronavirus Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 675419.	1.5	25
344	Validation of a commercially available indirect assay for SARS-CoV-2 neutralising antibodies using a pseudotyped virus assay. <i>Journal of Infection</i> , 2021, 82, 170-177.	1.7	27
345	Outpatient Treatment of Severe Acute Respiratory Syndrome Coronavirus 2 Infection to Prevent Coronavirus Disease 2019 Progression. <i>Clinical Infectious Diseases</i> , 2021, 73, 1717-1721.	2.9	16
346	Effective high-throughput isolation of fully human antibodies targeting infectious pathogens. <i>Nature Protocols</i> , 2021, 16, 3639-3671.	5.5	29
349	Coronavirus Disease 19 and Future Ecological Crises: Hopes from Epigenomics and Unraveling Genome Regulation in Humans and Infectious Agents. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 269-278.	1.0	1
350	Potent Molecular Feature-based Neutralizing Monoclonal Antibodies as Promising Therapeutics Against SARS-CoV-2 Infection. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 670815.	1.6	17
352	Mapping the SARS-CoV-2 spike glycoprotein-derived peptidome presented by HLA class II on dendritic cells. <i>Cell Reports</i> , 2021, 35, 109179.	2.9	63
353	A SARS-CoV-2 neutralizing antibody with extensive Spike binding coverage and modified for optimal therapeutic outcomes. <i>Nature Communications</i> , 2021, 12, 2623.	5.8	64
354	Potent SARS-CoV-2 neutralizing antibodies directed against spike N-terminal domain target a single supersite. <i>Cell Host and Microbe</i> , 2021, 29, 819-833.e7.	5.1	444
356	An Engineered Receptor-Binding Domain Improves the Immunogenicity of Multivalent SARS-CoV-2 Vaccines. <i>MBio</i> , 2021, 12, .	1.8	20
358	Longitudinal analysis of humoral immunity against SARS-CoV-2 Spike in convalescent individuals up to 8 months post-symptom onset. <i>Cell Reports Medicine</i> , 2021, 2, 100290.	3.3	145
359	Sequence-Signature Optimization Enables Improved Identification of Human HV6-1-Derived Class Antibodies That Neutralize Diverse Influenza A Viruses. <i>Frontiers in Immunology</i> , 2021, 12, 662909.	2.2	0
360	Evaluation of Cellular and Serological Responses to Acute SARS-CoV-2 Infection Demonstrates the Functional Importance of the Receptor-Binding Domain. <i>Journal of Immunology</i> , 2021, 206, 2605-2613.	0.4	7
362	Computational Ab Initio Interaction Analyses between Neutralizing Antibody and SARS-CoV-2 Variant Spike Proteins Using the Fragment Molecular Orbital Method. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1794-1798.	2.0	4
363	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. <i>Cell Reports Medicine</i> , 2021, 2, 100313.	3.3	56
365	Implementing a method for engineering multivalency to substantially enhance binding of clinical trial anti-SARS-CoV-2 antibodies to wildtype spike and variants of concern proteins. <i>Scientific Reports</i> , 2021, 11, 10475.	1.6	6

#	ARTICLE	IF	CITATIONS
366	Structural basis for broad coronavirus neutralization. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 478-486.	3.6	152
367	Current Overviews on COVID-19 Management Strategies. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, .	0.9	9
368	Short-term antibody response after 1 dose of BNT162b2 vaccine in patients receiving hemodialysis. <i>Cmaj</i> , 2021, 193, E793-E800.	0.9	40
371	SARS-CoV-2-neutralising monoclonal antibodies to prevent COVID-19. <i>The Cochrane Library</i> , 0, , .	1.5	2
372	Human Immunodeficiency Viruses Pseudotyped with SARS-CoV-2 Spike Proteins Infect a Broad Spectrum of Human Cell Lines through Multiple Entry Mechanisms. <i>Viruses</i> , 2021, 13, 953.	1.5	17
374	Asymptomatic and symptomatic SARS-CoV-2 infections elicit polyfunctional antibodies. <i>Cell Reports Medicine</i> , 2021, 2, 100275.	3.3	64
375	Diverse immunoglobulin gene usage and convergent epitope targeting in neutralizing antibody responses to SARS-CoV-2. <i>Cell Reports</i> , 2021, 35, 109109.	2.9	21
376	Prospects of Neutralizing Nanobodies Against SARS-CoV-2. <i>Frontiers in Immunology</i> , 2021, 12, 690742.	2.2	22
377	Structural basis for SARS-CoV-2 neutralizing antibodies with novel binding epitopes. <i>PLoS Biology</i> , 2021, 19, e3001209.	2.6	31
378	On the road to ending the COVID-19 pandemic: Are we there yet?. <i>Virology</i> , 2021, 557, 70-85.	1.1	38
379	Rotavirus as an Expression Platform of Domains of the SARS-CoV-2 Spike Protein. <i>Vaccines</i> , 2021, 9, 449.	2.1	17
380	Self-Assembling Nanoparticle Vaccines Displaying the Receptor Binding Domain of SARS-CoV-2 Elicit Robust Protective Immune Responses in Rhesus Monkeys. <i>Bioconjugate Chemistry</i> , 2021, 32, 1034-1046.	1.8	23
381	Structural insights into the cross-neutralization of SARS-CoV and SARS-CoV-2 by the human monoclonal antibody 47D11. <i>Science Advances</i> , 2021, 7, .	4.7	42
382	COVID-19 one year into the pandemic: from genetics and genomics to therapy, vaccination, and policy. <i>Human Genomics</i> , 2021, 15, 27.	1.4	39
383	Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection. <i>Nature Medicine</i> , 2021, 27, 1205-1211.	15.2	3,133
384	A review of monoclonal antibodies in COVID-19: Role in immunotherapy, vaccine development and viral detection. <i>Human Antibodies</i> , 2021, 29, 1-13.	0.6	20
388	Sequence signatures of two public antibody clonotypes that bind SARS-CoV-2 receptor binding domain. <i>Nature Communications</i> , 2021, 12, 3815.	5.8	44
389	Human Defensins Inhibit SARS-CoV-2 Infection by Blocking Viral Entry. <i>Viruses</i> , 2021, 13, 1246.	1.5	35

#	ARTICLE	IF	CITATIONS
390	Early and High SARS-CoV-2 Neutralizing Antibodies Are Associated with Severity in COVID-19 Patients from India. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, , .	0.6	9
391	An mRNA SARS-CoV-2 Vaccine Employing Charge-Altering Releasable Transporters with a TLR-9 Agonist Induces Neutralizing Antibodies and T Cell Memory. <i>ACS Central Science</i> , 2021, 7, 1191-1204.	5.3	34
392	Multivalency transforms SARS-CoV-2 antibodies into ultrapotent neutralizers. <i>Nature Communications</i> , 2021, 12, 3661.	5.8	48
394	Homologous and heterologous serological response to the N-terminal domain of SARS-CoV-2 in humans and mice. <i>European Journal of Immunology</i> , 2021, 51, 2296-2305.	1.6	7
395	SARS-CoV-2 Neutralizing Human Antibodies Protect Against Lower Respiratory Tract Disease in a Hamster Model. <i>Journal of Infectious Diseases</i> , 2021, 223, 2020-2028.	1.9	28
396	Decay of Fc-dependent antibody functions after mild to moderate COVID-19. <i>Cell Reports Medicine</i> , 2021, 2, 100296.	3.3	56
397	Structure-based Design of a Specific, Homogeneous Luminescence Enzyme Reporter Assay for SARS-CoV-2. <i>Journal of Molecular Biology</i> , 2021, 433, 166983.	2.0	1
398	The Fc-mediated effector functions of a potent SARS-CoV-2 neutralizing antibody, SC31, isolated from an early convalescent COVID-19 patient, are essential for the optimal therapeutic efficacy of the antibody. <i>PLoS ONE</i> , 2021, 16, e0253487.	1.1	76
399	Extracellular vesicles carry SARS-CoV-2 spike protein and serve as decoys for neutralizing antibodies. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12112.	5.5	44
400	In Search of the SARS-CoV-2 Protection Correlate: Head-to-Head Comparison of Two Quantitative S1 Assays in Pre-characterized Oligo-/Asymptomatic Patients. <i>Infectious Diseases and Therapy</i> , 2021, 10, 1505-1518.	1.8	53
401	Unleashing the potential of cell membrane-based nanoparticles for COVID-19 treatment and vaccination. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1395-1414.	2.4	14
402	Potent neutralizing RBD-specific antibody cocktail against SARS-CoV-2 and its mutant. <i>MedComm</i> , 2021, 2, 442-452.	3.1	8
404	Neutralization potency of monoclonal antibodies recognizing dominant and subdominant epitopes on SARS-CoV-2 Spike is impacted by the B.1.1.7 variant. <i>Immunity</i> , 2021, 54, 1276-1289.e6.	6.6	112
405	Single-Dose Immunization With a Chimpanzee Adenovirus-Based Vaccine Induces Sustained and Protective Immunity Against SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2021, 12, 697074.	2.2	18
406	Cross-Reactive SARS-CoV-2 Neutralizing Antibodies From Deep Mining of Early Patient Responses. <i>Frontiers in Immunology</i> , 2021, 12, 678570.	2.2	16
408	Rapid, simplified whole blood-based multiparameter assay to quantify and phenotype SARS-CoV-2-specific T-cells. <i>European Respiratory Journal</i> , 2022, 59, 2100285.	3.1	14
410	A Rapid Assay for SARS-CoV-2 Neutralizing Antibodies That Is Insensitive to Antiretroviral Drugs. <i>Journal of Immunology</i> , 2021, 207, 344-351.	0.4	5
411	Molecular mechanism of interaction between SARS-CoV-2 and host cells and interventional therapy. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 233.	7.1	203

#	ARTICLE	IF	CITATIONS
412	Epitope Classification and RBD Binding Properties of Neutralizing Antibodies Against SARS-CoV-2 Variants of Concern. <i>Frontiers in Immunology</i> , 2021, 12, 691715.	2.2	76
413	Animal models for SARS-CoV-2. <i>Current Opinion in Virology</i> , 2021, 48, 73-81.	2.6	52
414	Experimental Models for SARS-CoV-2 Infection. <i>Molecules and Cells</i> , 2021, 44, 377-383.	1.0	6
415	Nanotraps for the containment and clearance of SARS-CoV-2. <i>Matter</i> , 2021, 4, 2059-2082.	5.0	38
416	Multiplexed, quantitative serological profiling of COVID-19 from blood by a point-of-care test. <i>Science Advances</i> , 2021, 7, .	4.7	42
417	Structural insight into SARS-CoV-2 neutralizing antibodies and modulation of syncytia. <i>Cell</i> , 2021, 184, 3192-3204.e16.	13.5	68
418	A single dose of self-transcribing and replicating RNA-based SARS-CoV-2 vaccine produces protective adaptive immunity in mice. <i>Molecular Therapy</i> , 2021, 29, 1970-1983.	3.7	111
419	Recent advances in antibody-based immunotherapy strategies for COVID-19. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1389-1412.	1.2	26
421	Tackling COVID-19 with neutralizing monoclonal antibodies. <i>Cell</i> , 2021, 184, 3086-3108.	13.5	309
422	Kinetics and correlates of the neutralizing antibody response to SARS-CoV-2 infection in humans. <i>Cell Host and Microbe</i> , 2021, 29, 917-929.e4.	5.1	132
423	Naturally enhanced neutralizing breadth against SARS-CoV-2 one year after infection. <i>Nature</i> , 2021, 595, 426-431.	13.7	610
424	AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021, 68, 103390.	2.7	37
426	Detection and Neutralization of SARS-CoV-2 Using Non-conventional Variable Lymphocyte Receptor Antibodies of the Evolutionarily Distant Sea Lamprey. <i>Frontiers in Immunology</i> , 2021, 12, 659071.	2.2	2
428	A SARS-CoV-2 Label-Free Surrogate Virus Neutralization Test and a Longitudinal Study of Antibody Characteristics in COVID-19 Patients. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0019321.	1.8	20
429	The total number and mass of SARS-CoV-2 virions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	187
430	Comprehensive Deep Mutational Scanning Reveals the Immune-Escaping Hotspots of SARS-CoV-2 Receptor-Binding Domain Targeting Neutralizing Antibodies. <i>Frontiers in Microbiology</i> , 2021, 12, 698365.	1.5	16
432	Adaptation of the MTT assay for detection of neutralizing antibodies against the SARS-CoV-2 virus. <i>Zhurnal Mikrobiologii Epidemiologii i Immunobiologii</i> , 2021, 98, 253-265.	0.3	10
433	Diagnostic accuracy of three SARS-CoV2 antibody detection assays, neutralizing effect and longevity of serum antibodies. <i>Journal of Virological Methods</i> , 2021, 293, 114173.	1.0	9

#	ARTICLE	IF	CITATIONS
436	Screening of potent neutralizing antibodies against SARS-CoV-2 using convalescent patients-derived phage-display libraries. <i>Cell Discovery</i> , 2021, 7, 57.	3.1	28
437	Long-Term Persistence of Spike Protein Antibody and Predictive Modeling of Antibody Dynamics After Infection With Severe Acute Respiratory Syndrome Coronavirus 2. <i>Clinical Infectious Diseases</i> , 2022, 74, 1220-1229.	2.9	45
438	Antibodies Responses to SARS-CoV-2 in a Large Cohort of Vaccinated Subjects and Seropositive Patients. <i>Vaccines</i> , 2021, 9, 714.	2.1	25
440	Neutralizing Antibody Responses After SARS-CoV-2 Infection in End-Stage Kidney Disease and Protection Against Reinfection. <i>Kidney International Reports</i> , 2021, 6, 1799-1809.	0.4	13
441	Early treatment with a combination of two potent neutralizing antibodies improves clinical outcomes and reduces virus replication and lung inflammation in SARS-CoV-2 infected macaques. <i>PLoS Pathogens</i> , 2021, 17, e1009688.	2.1	16
442	Validation of a combined ELISA to detect IgG, IgA and IgM antibody responses to SARS-CoV-2 in mild or moderate non-hospitalised patients. <i>Journal of Immunological Methods</i> , 2021, 494, 113046.	0.6	40
445	Reshaping cell line development and CMC strategy for fast responses to pandemic outbreak. <i>Biotechnology Progress</i> , 2021, 37, e3186.	1.3	20
446	SARS-CoV-2 neutralizing antibodies: Longevity, breadth, and evasion by emerging viral variants. <i>PLoS Medicine</i> , 2021, 18, e1003656.	3.9	109
448	Antibody and B cell responses to SARS-CoV-2 infection and vaccination. <i>Cell Host and Microbe</i> , 2021, 29, 1063-1075.	5.1	99
449	Identification of Human SARS-CoV-2 Monoclonal Antibodies from Convalescent Patients Using EBV Immortalization. <i>Antibodies</i> , 2021, 10, 26.	1.2	1
450	SARS-CoV-2 RBD-Tetanus Toxoid Conjugate Vaccine Induces a Strong Neutralizing Immunity in Preclinical Studies. <i>ACS Chemical Biology</i> , 2021, 16, 1223-1233.	1.6	57
454	Identification of Novel Neutralizing Monoclonal Antibodies against SARS-CoV-2 Spike Glycoprotein. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1349-1361.	2.5	3
455	Cross-reactive antibodies against human coronaviruses and the animal coronavirome suggest diagnostics for future zoonotic spillovers. <i>Science Immunology</i> , 2021, 6, .	5.6	26
456	Neutralising SARS-CoV-2 RBD-specific antibodies persist for at least six months independently of symptoms in adults. <i>Communications Medicine</i> , 2021, 1, .	1.9	19
457	Isolation and characterization of cross-neutralizing coronavirus antibodies from COVID-19+ subjects. <i>Cell Reports</i> , 2021, 36, 109353.	2.9	95
458	Protective antibodies elicited by SARS-CoV-2 spike protein vaccination are boosted in the lung after challenge in nonhuman primates. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	56
459	Immunogenicity and Protective Efficacy of a Highly Thermotolerant, Trimeric SARS-CoV-2 Receptor Binding Domain Derivative. <i>ACS Infectious Diseases</i> , 2021, 7, 2546-2564.	1.8	34
460	Recent progress of surface plasmon resonance in the development of coronavirus disease-2019 drug candidates. <i>European Journal of Medicinal Chemistry Reports</i> , 2021, 1, 100003.	0.6	8

#	ARTICLE	IF	CITATIONS
463	Prevention and therapy of SARS-CoV-2 and the B.1.351 variant in mice. <i>Cell Reports</i> , 2021, 36, 109450.	2.9	38
464	SARS-CoV-2 neutralising antibody testing in Europe: towards harmonisation of neutralising antibody titres for better use of convalescent plasma and comparability of trial data. <i>Eurosurveillance</i> , 2021, 26, .	3.9	31
465	Neutralizing Antibodies Against Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants Induced by Natural Infection or Vaccination: A Systematic Review and Pooled Analysis. <i>Clinical Infectious Diseases</i> , 2022, 74, 734-742.	2.9	88
466	Subacute SARS-CoV-2 replication can be controlled in the absence of CD8+T cells in <i>Âynomolgus</i> macaques. <i>PLoS Pathogens</i> , 2021, 17, e1009668.	2.1	9
467	Potent and protective IGHV3-53/3-66 public antibodies and their shared escape mutant on the spike of SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 4210.	5.8	82
469	A Single-Cell Atlas of Lymphocyte Adaptive Immune Repertoires and Transcriptomes Reveals Age-Related Differences in Convalescent COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 701085.	2.2	33
470	A synthetic nanobody targeting RBD protects hamsters from SARS-CoV-2 infection. <i>Nature Communications</i> , 2021, 12, 4635.	5.8	72
471	Patient-blood management for COVID19 convalescent plasma therapy: relevance of affinity and donorâ€ recipient differences in concentration of neutralizing antibodies. <i>Clinical Microbiology and Infection</i> , 2021, 27, 987-992.	2.8	6
472	Immunological mechanisms of vaccine-induced protection against COVID-19 in humans. <i>Nature Reviews Immunology</i> , 2021, 21, 475-484.	10.6	434
473	Distinguishing features of current COVID-19 vaccines: knowns and unknowns of antigen presentation and modes of action. <i>Npj Vaccines</i> , 2021, 6, 104.	2.9	241
474	Sex Disparities and Neutralizing-Antibody Durability to SARS-CoV-2 Infection in Convalescent Individuals. <i>MSphere</i> , 2021, 6, e0027521.	1.3	36
475	Salicylanilides Reduce SARS-CoV-2 Replication and Suppress Induction of Inflammatory Cytokines in a Rodent Model. <i>ACS Infectious Diseases</i> , 2021, 7, 2229-2237.	1.8	12
477	Convergent antibody responses to the SARS-CoV-2 spike protein in convalescent and vaccinated individuals. <i>Cell Reports</i> , 2021, 36, 109604.	2.9	67
478	Deep geometric representations for modeling effects of mutations on protein-protein binding affinity. <i>PLoS Computational Biology</i> , 2021, 17, e1009284.	1.5	45
479	Robust and low-cost ELISA based on IgG-Fc tagged recombinant proteins to screen for anti-SARS-CoV-2 antibodies. <i>Journal of Immunological Methods</i> , 2021, 495, 113082.	0.6	6
480	Adult stem cell-derived complete lung organoid models emulate lung disease in COVID-19. <i>ELife</i> , 2021, 10, .	2.8	64
481	In vitro and in vivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. <i>Cell</i> , 2021, 184, 4203-4219.e32.	13.5	228
483	SARS-CoV-2 Neutralizing Antibodies for COVID-19 Prevention and Treatment. <i>Annual Review of Medicine</i> , 2022, 73, 1-16.	5.0	91

#	ARTICLE	IF	CITATIONS
487	Identification of potent human neutralizing antibodies against SARS-CoV-2 implications for development of therapeutics and prophylactics. <i>Nature Communications</i> , 2021, 12, 4887.	5.8	14
488	Pressing Questions and Challenges in the HIV-1 and SARS-CoV-2 Syndemic. <i>AIDS Research and Human Retroviruses</i> , 2021, 37, 589-600.	0.5	5
489	The impact of high-resolution structural data on stemming the COVID-19 pandemic. <i>Current Opinion in Virology</i> , 2021, 49, 127-138.	2.6	2
492	One-shot identification of SARS-CoV-2 RBD escape mutants using yeast screening. <i>Cell Reports</i> , 2021, 36, 109627.	2.9	35
493	Effects of common mutations in the SARS-CoV-2 Spike RBD and its ligand, the human ACE2 receptor on binding affinity and kinetics. <i>ELife</i> , 2021, 10, .	2.8	267
494	Affinity maturation of SARS-CoV-2 neutralizing antibodies confers potency, breadth, and resilience to viral escape mutations. <i>Immunity</i> , 2021, 54, 1853-1868.e7.	6.6	230
496	Opportunities and challenges to the use of neutralizing monoclonal antibody therapies for COVID-19. <i>BioScience Trends</i> , 2021, 15, 205-210.	1.1	8
498	Modelling conformational state dynamics and its role on infection for SARS-CoV-2 Spike protein variants. <i>PLoS Computational Biology</i> , 2021, 17, e1009286.	1.5	79
499	A SARS-CoV-2 antibody broadly neutralizes SARS-related coronaviruses and variants by coordinated recognition of a virus-vulnerable site. <i>Immunity</i> , 2021, 54, 2385-2398.e10.	6.6	46
500	Integrated single-cell analysis revealed immune dynamics during Ad5-nCoV immunization. <i>Cell Discovery</i> , 2021, 7, 64.	3.1	22
501	Animal Models for COVID-19: Hamsters, Mouse, Ferret, Mink, Tree Shrew, and Non-human Primates. <i>Frontiers in Microbiology</i> , 2021, 12, 626553.	1.5	90
502	An Overview of the Pathogenesis, Transmission, Diagnosis, and Management of Endemic Human Coronaviruses: A Reflection on the Past and Present Episodes and Possible Future Outbreaks. <i>Pathogens</i> , 2021, 10, 1108.	1.2	14
503	Understanding neutralising antibodies against SARS-CoV-2 and their implications in clinical practice. <i>Military Medical Research</i> , 2021, 8, 47.	1.9	88
504	SARS-CoV-2 Serology Status Detected by Commercialized Platforms Distinguishes Previous Infection and Vaccination Adaptive Immune Responses. <i>Journal of Applied Laboratory Medicine</i> , 2021, 6, 1109-1122.	0.6	24
505	SARS-CoV-2 escape from a highly neutralizing COVID-19 convalescent plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	251
506	Temporal maturation of neutralizing antibodies in COVID-19 convalescent individuals improves potency and breadth to circulating SARS-CoV-2 variants. <i>Immunity</i> , 2021, 54, 1841-1852.e4.	6.6	114
507	Comparative kinetics of SARS-CoV-2 anti-spike protein RBD IgGs and neutralizing antibodies in convalescent and naïve recipients of the BNT162b2 mRNA vaccine versus COVID-19 patients. <i>BMC Medicine</i> , 2021, 19, 208.	2.3	52
508	A potentially neutralizing SARS-CoV-2 antibody inhibits variants of concern by utilizing unique binding residues in a highly conserved epitope. <i>Immunity</i> , 2021, 54, 2399-2416.e6.	6.6	79

#	ARTICLE	IF	CITATIONS
509	Endogenous Regulation and Pharmacological Modulation of Sepsis-Induced HMGB1 Release and Action: An Updated Review. <i>Cells</i> , 2021, 10, 2220.	1.8	14
510	Correlation between a quantitative anti-SARS-CoV-2 IgG ELISA and neutralization activity. <i>Journal of Medical Virology</i> , 2022, 94, 388-392.	2.5	89
511	Diversity of ACE2 and its interaction with SARS-CoV-2 receptor binding domain. <i>Biochemical Journal</i> , 2021, 478, 3671-3684.	1.7	12
513	A cell-free nanobody engineering platform rapidly generates SARS-CoV-2 neutralizing nanobodies. <i>Nature Communications</i> , 2021, 12, 5506.	5.8	38
514	A vaccine-induced public antibody protects against SARS-CoV-2 and emerging variants. <i>Immunity</i> , 2021, 54, 2159-2166.e6.	6.6	52
515	Broad cross-reactivity across sarbecoviruses exhibited by a subset of COVID-19 donor-derived neutralizing antibodies. <i>Cell Reports</i> , 2021, 36, 109760.	2.9	80
516	IgG Antibodies Develop to Spike but Not to the Nucleocapsid Viral Protein in Many Asymptomatic and Light COVID-19 Cases. <i>Viruses</i> , 2021, 13, 1945.	1.5	16
517	Evaluation of Cell-Based and Surrogate SARS-CoV-2 Neutralization Assays. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0052721.	1.8	71
518	Differential Antibody Response to SARS-CoV-2 Antigens in Recovered and Deceased Iranian COVID-19 Patients. <i>Viral Immunology</i> , 2021, 34, 708-713.	0.6	2
519	Bispecific antibodies targeting distinct regions of the spike protein potently neutralize SARS-CoV-2 variants of concern. <i>Science Translational Medicine</i> , 2021, 13, eabj5413.	5.8	79
520	An ultrapotent pan- $\beta$ -coronavirus lineage B ( $\beta$ -CoV-B) neutralizing antibody locks the receptor-binding domain in closed conformation by targeting its conserved epitope. <i>Protein and Cell</i> , 2022, 13, 655-675.	4.8	25
521	What we know and still ignore on COVID-19 immune pathogenesis and a proposal based on the experience of allergic disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1114-1128.	2.7	6
522	Potent neutralization of SARS-CoV-2 variants of concern by an antibody with an uncommon genetic signature and structural mode of spike recognition. <i>Cell Reports</i> , 2021, 37, 109784.	2.9	20
524	Immunogenicity of Pfizer-BioNTech COVID-19 vaccine in patients with inborn errors of immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 739-749.	1.5	151
525	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021, 54, 2143-2158.e15.	6.6	155
526	Safety and immunogenicity of the ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 in people living with and without HIV in South Africa: an interim analysis of a randomised, double-blind, placebo-controlled, phase 1B/2A trial. <i>Lancet HIV</i> , 2021, 8, e568-e580.	2.1	124
527	Antibody screening at reduced pH enables preferential selection of potently neutralizing antibodies targeting SARS-CoV-2. <i>AICHE Journal</i> , 2021, 67, e17440.	1.8	4
530	Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. <i>Nature Microbiology</i> , 2021, 6, 1233-1244.	5.9	237



#	ARTICLE	IF	CITATIONS
531	An outlook on antigen-specific adoptive immunotherapy for viral infections with a focus on COVID-19. <i>Cellular Immunology</i> , 2021, 367, 104398.	1.4	5
533	Neutralizing antibodies for the prevention and treatment of COVID-19. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2293-2306.	4.8	91
535	Longitudinal observation of antibody responses for 14 months after SARS-CoV-2 infection. <i>Clinical Immunology</i> , 2021, 230, 108814.	1.4	26
536	Detection of SARS-CoV-2 antibodies formed in response to the BNT162b2 and mRNA-1273 mRNA vaccine by commercial antibody tests. <i>Vaccine</i> , 2021, 39, 5563-5570.	1.7	14
537	Review of Early Immune Response to SARS-CoV-2 Vaccination Among Patients With CKD. <i>Kidney International Reports</i> , 2021, 6, 2292-2304.	0.4	96
538	SCIGA: Software for large-scale, single-cell immunoglobulin repertoire analysis. <i>GigaScience</i> , 2021, 10, .	3.3	0
540	Receptor binding, immune escape, and protein stability direct the natural selection of SARS-CoV-2 variants. <i>Journal of Biological Chemistry</i> , 2021, 297, 101208.	1.6	37
541	Memory B cell repertoire for recognition of evolving SARS-CoV-2 spike. <i>Cell</i> , 2021, 184, 4969-4980.e15.	13.5	94
543	Structural biology of SARS-CoV-2 and implications for therapeutic development. <i>Nature Reviews Microbiology</i> , 2021, 19, 685-700.	13.6	259
544	Tetavalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations. <i>Journal of Molecular Biology</i> , 2021, 433, 167177.	2.0	31
545	Adaptive immune responses to SARS-CoV-2 in recovered severe COVID-19 patients. <i>Journal of Clinical Virology</i> , 2021, 142, 104943.	1.6	9
546	Vaccinia virus-based vaccines confer protective immunity against SARS-CoV-2 virus in Syrian hamsters. <i>PLoS ONE</i> , 2021, 16, e0257191.	1.1	19
547	Cross-neutralization of SARS-CoV-2 by HIV-1 specific broadly neutralizing antibodies and polyclonal plasma. <i>PLoS Pathogens</i> , 2021, 17, e1009958.	2.1	20
548	Landscape of human antibody recognition of the SARS-CoV-2 receptor binding domain. <i>Cell Reports</i> , 2021, 37, 109822.	2.9	35
549	A potent SARS-CoV-2 neutralising nanobody shows therapeutic efficacy in the Syrian golden hamster model of COVID-19. <i>Nature Communications</i> , 2021, 12, 5469.	5.8	102
550	Development of a Recombinant RBD Subunit Vaccine for SARS-CoV-2. <i>Viruses</i> , 2021, 13, 1936.	1.5	9
551	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. <i>Cell</i> , 2021, 184, 5432-5447.e16.	13.5	131
552	Paired heavy- and light-chain signatures contribute to potent SARS-CoV-2 neutralization in public antibody responses. <i>Cell Reports</i> , 2021, 37, 109771.	2.9	38

#	ARTICLE	IF	CITATIONS
553	Prevalence of SARS-CoV-2 IgG antibodies and their association with clinical symptoms of COVID-19 in Estonia (KoroSero-EST-1 study). <i>Vaccine</i> , 2021, 39, 5376-5384.	1.7	9
555	Durable Antibody Responses in Staff at Two Long-Term Care Facilities, during and Post SARS-CoV-2 Outbreaks. <i>Microbiology Spectrum</i> , 2021, 9, e0022421.	1.2	8
556	Antibody Response against SARS-CoV-2 Infection: Implications for Diagnosis, Treatment and Vaccine Development. <i>International Reviews of Immunology</i> , 2022, 41, 393-413.	1.5	13
557	High genetic barrier to SARS-CoV-2 polyclonal neutralizing antibody escape. <i>Nature</i> , 2021, 600, 512-516.	13.7	174
558	Kinetics of SARS-CoV-2 Specific and Neutralizing Antibodies over Seven Months after Symptom Onset in COVID-19 Patients. <i>Microbiology Spectrum</i> , 2021, 9, e0059021.	1.2	27
559	SARS-CoV-2 S2P spike ages through distinct states with altered immunogenicity. <i>Journal of Biological Chemistry</i> , 2021, 297, 101127.	1.6	9
560	CD38 in the age of COVID-19: a medical perspective. <i>Physiological Reviews</i> , 2021, 101, 1457-1486.	13.1	32
561	Animal models of SARS-CoV-2 transmission. <i>Current Opinion in Virology</i> , 2021, 50, 8-16.	2.6	21
562	Anti-SARS-CoV-2 and anti-cytokine storm neutralizing antibody therapies against COVID-19: Update, challenges, and perspectives. <i>International Immunopharmacology</i> , 2021, 99, 108036.	1.7	10
563	Neutralizing antibody response to SARS-CoV-2 persists 9 months post symptom onset in mild and asymptomatic patients. <i>International Journal of Infectious Diseases</i> , 2021, 112, 8-12.	1.5	5
564	Adenovirus transduction to express human ACE2 causes obesity-specific morbidity in mice, impeding studies on the effect of host nutritional status on SARS-CoV-2 pathogenesis. <i>Virology</i> , 2021, 563, 98-106.	1.1	6
565	Animal models of SARS-CoV-2 and COVID-19 for the development of prophylactic and therapeutic interventions. , 2021, 228, 107931.		18
568	SARS-CoV-2 Cellular Infection and Therapeutic Opportunities: Lessons Learned from Ebola Virus. <i>Membranes</i> , 2021, 11, 64.	1.4	0
571	Convalescent plasma-mediated resolution of COVID-19 in a patient with humoral immunodeficiency. <i>Cell Reports Medicine</i> , 2021, 2, 100164.	3.3	26
572	Adjuvanted SARS-CoV-2 spike protein elicits neutralizing antibodies and CD4 T cell responses after a single immunization in mice. <i>EBioMedicine</i> , 2021, 63, 103197.	2.7	31
575	Pharmacotherapeutics of SARS-CoV-2 Infections. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 12-37.	2.1	4
576	Delivery of mRNA Vaccine against SARS-CoV-2 Using a Polyglucin:Spermidine Conjugate. <i>Vaccines</i> , 2021, 9, 76.	2.1	28
580	Development and application of therapeutic antibodies against COVID-19. <i>International Journal of Biological Sciences</i> , 2021, 17, 1486-1496.	2.6	47

#	ARTICLE	IF	CITATIONS
583	Potent mouse monoclonal antibodies that block SARS-CoV-2 infection. <i>Journal of Biological Chemistry</i> , 2021, 296, 100346.	1.6	15
585	SARS-CoV-2-Associated T-Cell Responses in the Presence of Humoral Immunodeficiency. <i>International Archives of Allergy and Immunology</i> , 2021, 182, 195-209.	0.9	39
586	Potent RBD-specific neutralizing rabbit monoclonal antibodies recognize emerging SARS-CoV-2 variants elicited by DNA prime-protein boost vaccination. <i>Emerging Microbes and Infections</i> , 2021, 10, 1390-1403.	3.0	16
587	An overview of methods for the structural and functional mapping of epitopes recognized by anti-SARS-CoV-2 antibodies. <i>RSC Chemical Biology</i> , 2021, 2, 1580-1589.	2.0	4
588	Antibody neutralization of SARS-CoV-2 through ACE2 receptor mimicry. <i>Nature Communications</i> , 2021, 12, 250.	5.8	108
589	Virus-Free and Live-Cell Visualizing SARS-CoV-2 Cell Entry for Studies of Neutralizing Antibodies and Compound Inhibitors. <i>Small Methods</i> , 2021, 5, 2001031.	4.6	25
590	Antibody response and therapy in COVID-19 patients: what can be learned for vaccine development?. <i>Science China Life Sciences</i> , 2020, 63, 1833-1849.	2.3	29
591	Human Monoclonal Antibodies: On the Menu of Targeted Therapeutics Against COVID-19. <i>Virologica Sinica</i> , 2020, 35, 713-724.	1.2	10
592	ACTIVating Resources for the COVID-19 Pandemic: In Vivo Models for Vaccines and Therapeutics. <i>Cell Host and Microbe</i> , 2020, 28, 646-659.	5.1	36
593	Crippling life support for SARS-CoV-2 and other viruses through synthetic lethality. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	20
594	Antibody potency, effector function, and combinations in protection and therapy for SARS-CoV-2 infection in vivo. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	283
595	Establishment of a Collection of Blood-Derived Products from COVID-19 Patients for Translational Research: Experience of the LPCE Biobank (Nice, France). <i>Biopreservation and Biobanking</i> , 2020, 18, 517-524.	0.5	11
596	Neutralizing antibodies against SARS-CoV-2: current understanding, challenge and perspective. <i>Antibody Therapeutics</i> , 2020, 3, 285-299.	1.2	34
597	Role of Immunoglobulin M and A Antibodies in the Neutralization of Severe Acute Respiratory Syndrome Coronavirus 2. <i>Journal of Infectious Diseases</i> , 2021, 223, 957-970.	1.9	64
598	The development of neutralizing antibodies against SARS-CoV-2 and their common features. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 980-986.	1.5	13
722	Monitor for COVID-19 vaccine resistance evolution during clinical trials. <i>PLoS Biology</i> , 2020, 18, e3001000.	2.6	50
723	CD8 T cell epitope generation toward the continually mutating SARS-CoV-2 spike protein in genetically diverse human population: Implications for disease control and prevention. <i>PLoS ONE</i> , 2020, 15, e0239566.	1.1	18
724	Antibody response to SARS-CoV-2 infection in humans: A systematic review. <i>PLoS ONE</i> , 2020, 15, e0244126.	1.1	269

#	ARTICLE	IF	CITATIONS
725	A natural mutation between SARS-CoV-2 and SARS-CoV determines neutralization by a cross-reactive antibody. <i>PLoS Pathogens</i> , 2020, 16, e1009089.	2.1	55
728	Progress in Studies on Structural and Remedial Aspects of Newly Born Coronavirus, SARS-CoV-2. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2362-2378.	1.0	6
729	Deep Sequencing of B Cell Receptor Repertoires From COVID-19 Patients Reveals Strong Convergent Immune Signatures. <i>Frontiers in Immunology</i> , 2020, 11, 605170.	2.2	101
730	Lead SARS-CoV-2 Candidate Vaccines: Expectations from Phase III Trials and Recommendations Post-Vaccine Approval. <i>Viruses</i> , 2021, 13, 54.	1.5	61
731	SARS, SARS again, and MERS. Review of animal models of human respiratory syndromes caused by coronavirus infections. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2020, 97, 431-444.	0.3	2
732	Newly Emerging Human Coronaviruses: Animal Models and Vaccine Research for SARS, MERS, and COVID-19. <i>Immune Network</i> , 2020, 20, e28.	1.6	8
733	Escape from neutralizing antibodies by SARS-CoV-2 spike protein variants. <i>ELife</i> , 2020, 9, .	2.8	1,239
734	Neutralizing SARS-CoV-2. <i>ELife</i> , 2020, 9, .	2.8	5
735	SARS-CoV-2: Pathogenic Mechanisms and Host Immune Response. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1313, 99-134.	0.8	6
736	Germinal Center-Induced Immunity Is Correlated With Protection Against SARS-CoV-2 Reinfection But Not Lung Damage. <i>Journal of Infectious Diseases</i> , 2021, 224, 1861-1872.	1.9	6
737	Antibody-dependent cellular cytotoxicity response to SARS-CoV-2 in COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 346.	7.1	60
738	SARS-CoV-2â€™s Reactive Mucosal B Cells in the Upper Respiratory Tract of Uninfected Individuals. <i>Journal of Immunology</i> , 2021, 207, 2581-2588.	0.4	5
739	How Antibodies Recognize Pathogenic Viruses: Structural Correlates of Antibody Neutralization of HIV-1, SARS-CoV-2, and Zika. <i>Viruses</i> , 2021, 13, 2106.	1.5	7
740	Expression and characterization of SARS-CoV-2 spike proteins. <i>Nature Protocols</i> , 2021, 16, 5339-5356.	5.5	31
741	A potent bispecific nanobody protects hACE2 mice against SARS-CoV-2 infection via intranasal administration. <i>Cell Reports</i> , 2021, 37, 109869.	2.9	59
742	Structure-guided antibody cocktail for prevention and treatment of COVID-19. <i>PLoS Pathogens</i> , 2021, 17, e1009704.	2.1	12
744	Does infection with or vaccination against SARS-CoV-2 lead to lasting immunity?. <i>Lancet Respiratory Medicine</i> , 2021, 9, 1450-1466.	5.2	110
745	Study of Riamilovir Activity Against SARS-CoV-2 Infection In Syrian Hamsters. <i>Antibiotiki I Khimioterapiya</i> , 2021, 66, 13-19.	0.1	1

#	ARTICLE	IF	CITATIONS
746	Uncovering a conserved vulnerability site in SARS-CoV-2 by a human antibody. <i>EMBO Molecular Medicine</i> , 2021, 13, e14544.	3.3	17
747	Key Substitutions in the Spike Protein of SARS-CoV-2 Variants Can Predict Resistance to Monoclonal Antibodies, but Other Substitutions Can Modify the Effects. <i>Journal of Virology</i> , 2022, 96, JVI0111021.	1.5	29
748	Neutralizing antibody 5-7 defines a distinct site of vulnerability in SARS-CoV-2 spike N-terminal domain. <i>Cell Reports</i> , 2021, 37, 109928.	2.9	52
749	Distant residues modulate conformational opening in SARS-CoV-2 spike protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	69
750	Engineering Extracellular Vesicles Enriched with Palmitoylated ACE2 as COVID-19 Therapy. <i>Advanced Materials</i> , 2021, 33, e2103471.	11.1	60
751	Beta RBD boost broadens antibody-mediated protection against SARS-CoV-2 variants in animal models. <i>Cell Reports Medicine</i> , 2021, 2, 100450.	3.3	17
753	Polymersomes as Stable Nanocarriers for a Highly Immunogenic and Durable SARS-CoV-2 Spike Protein Subunit Vaccine. <i>ACS Nano</i> , 2021, 15, 15754-15770.	7.3	18
755	A class II MHC-targeted vaccine elicits immunity against SARS-CoV-2 and its variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
756	Hydrogel-Based Slow Release of a Receptor-Binding Domain Subunit Vaccine Elicits Neutralizing Antibody Responses Against SARS-CoV-2. <i>Advanced Materials</i> , 2021, 33, e2104362.	11.1	48
757	One dose of COVID-19 nanoparticle vaccine REVC-128 protects against SARS-CoV-2 challenge at two weeks post-immunization. <i>Emerging Microbes and Infections</i> , 2021, 10, 2016-2029.	3.0	12
758	Mechanisms of Lung Injury Induced by SARS-CoV-2 Infection. <i>Physiology</i> , 2022, 37, 88-100.	1.6	18
759	Neutralization of SARS-CoV-2 Variants of Concern Harboring Q677H. <i>MBio</i> , 2021, 12, e0251021.	1.8	33
760	Isolation of a panel of ultra-potent human antibodies neutralizing SARS-CoV-2 and viral variants of concern. <i>Cell Discovery</i> , 2021, 7, 96.	3.1	21
761	Mechanism of a COVID-19 nanoparticle vaccine candidate that elicits a broadly neutralizing antibody response to SARS-CoV-2 variants. <i>Science Advances</i> , 2021, 7, eabj3107.	4.7	23
763	Epitope Analysis of Anti-SARS-CoV-2 Neutralizing Antibodies. <i>Current Medical Science</i> , 2021, 41, 1065.	0.7	3
765	A practical approach to SARS-CoV-2 testing in a pre and post-vaccination era. <i>Journal of Clinical Virology Plus</i> , 2021, 1, 100044.	0.4	2
766	Sterilizing Immunity against COVID-19: Developing Helper T cells I and II activating vaccines is imperative. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112282.	2.5	10
768	Going back in time for an antibody to fight COVID-19. <i>Nature</i> , 2020, 583, 203-204.	13.7	1

#	ARTICLE	IF	CITATIONS
774	Evaluation of Commercial Anti-SARS-CoV-2 Antibody Assays and Comparison of Standardized Titers in Vaccinated Health Care Workers. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0174621.	1.8	32
775	Genetically-engineered hamster models: applications and perspective in dyslipidemia and atherosclerosis-related cardiovascular disease. <i>Medical Review</i> , 2021, 1, 92-110.	0.3	1
776	Glycosylation and Serological Reactivity of an Expression-enhanced SARS-CoV-2 Viral Spike Mimetic. <i>Journal of Molecular Biology</i> , 2022, 434, 167332.	2.0	22
777	Complete protection by a single-dose skin patch-delivered SARS-CoV-2 spike vaccine. <i>Science Advances</i> , 2021, 7, eabj8065.	4.7	31
778	Scientific rationale for developing potent RBD-based vaccines targeting COVID-19. <i>Npj Vaccines</i> , 2021, 6, 128.	2.9	102
779	Ambient Temperature Stable, Scalable COVID-19 Polymer Particle Vaccines Induce Protective Immunity. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102089.	3.9	14
780	Neutralizing Antibodies to SARS-CoV-2 Selected from a Human Antibody Library Constructed Decades Ago. <i>Advanced Science</i> , 2022, 9, e2102181.	5.6	14
781	Low-dose in vivo protection and neutralization across SARS-CoV-2 variants by monoclonal antibody combinations. <i>Nature Immunology</i> , 2021, 22, 1503-1514.	7.0	40
782	Contributions of single-particle cryoelectron microscopy toward fighting COVID-19. <i>Trends in Biochemical Sciences</i> , 2022, 47, 117-123.	3.7	6
784	Narrative review of the novel coronavirus SARS-CoV-2: update on genomic characteristics, transmissions and animal model. <i>Journal of Thoracic Disease</i> , 2020, 12, 7454-7466.	0.6	1
786	The race to find COVID-19 Vaccine: So near, yet so far!. <i>Indian Journal of Medical Specialities</i> , 2020, 11, 175.	0.1	1
787	Dynamics of B-Cell Repertoires and Emergence of Cross-Reactive Responses in COVID-19 Patients with Different Disease Severity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
788	Of Cross-Immunity, Herd Immunity and Country-Specific Plans: Experiences from COVID-19 in India. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
789	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. <i>SSRN Electronic Journal</i> , 2020, , 3639618.	0.4	3
790	Coronavirus antigens as targets of antibody responses. <i>Clinics in Laboratory Medicine</i> , 2021, 42, 97-109.	0.7	1
792	Probing Affinity, Avidity, Anticooperativity, and Competition in Antibody and Receptor Binding to the SARS-CoV-2 Spike by Single Particle Mass Analyses. <i>ACS Central Science</i> , 2021, 7, 1863-1873.	5.3	20
793	A Novel Double Mosaic Virus-like Particle-Based Vaccine against SARS-CoV-2 Incorporates Both Receptor Binding Motif (RBM) and Fusion Domain. <i>Vaccines</i> , 2021, 9, 1287.	2.1	10
794	In Vivo Electroporation of Plasmid DNA: A Promising Strategy for Rapid, Inexpensive, and Flexible Delivery of Anti-Viral Monoclonal Antibodies. <i>Pharmaceutics</i> , 2021, 13, 1882.	2.0	6

#	ARTICLE	IF	CITATIONS
795	T follicular helper cells in the humoral immune response to SARS-CoV-2 infection and vaccination. <i>Journal of Leukocyte Biology</i> , 2022, 111, 355-365.	1.5	25
796	A non-ACE2 competing human single-domain antibody confers broad neutralization against SARS-CoV-2 and circulating variants. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 378.	7.1	26
805	Longitudinal analysis of SARS-CoV-2 spike and RNA-dependent RNA polymerase protein sequences reveals the emergence and geographic distribution of diverse mutations. <i>Infection, Genetics and Evolution</i> , 2022, 97, 105153.	1.0	16
806	Evaluation and correlation between SARS-CoV-2 neutralizing and binding antibodies in convalescent and vaccinated subjects. <i>Journal of Immunological Methods</i> , 2022, 500, 113197.	0.6	15
807	Application of SARS-CoV-2 Serology to Address Public Health Priorities. <i>Frontiers in Public Health</i> , 2021, 9, 744535.	1.3	4
809	A Multifunctional Neutralizing Antibody-€Conjugated Nanoparticle Inhibits and Inactivates SARS-€CoV-€2. <i>Advanced Science</i> , 2022, 9, e2103240.	5.6	16
810	Analysis of Glycosylation and Disulfide Bonding of Wild-Type SARS-CoV-2 Spike Glycoprotein. <i>Journal of Virology</i> , 2022, 96, JVI0162621.	1.5	24
811	The Drug Repurposing for COVID-19 Clinical Trials Provide Very Effective Therapeutic Combinations: Lessons Learned From Major Clinical Studies. <i>Frontiers in Pharmacology</i> , 2021, 12, 704205.	1.6	89
812	A Bacterial Cell-Based Assay To Study SARS-CoV-2 Protein-Protein Interactions. <i>MBio</i> , 2021, , e0293621.	1.8	1
813	Immunogenicity and Reactogenicity of SARS-CoV-2 Vaccines in Patients With Cancer: The CANVAX Cohort Study. <i>Journal of Clinical Oncology</i> , 2022, 40, 12-23.	0.8	75
814	Identification of a therapeutic interfering particle-€A single-dose SARS-CoV-2 antiviral intervention with a high barrier to resistance. <i>Cell</i> , 2021, 184, 6022-6036.e18.	13.5	36
815	Longitudinal Dynamics of Human B-Cell Response at the Single-Cell Level in Response to Tdap Vaccination. <i>Vaccines</i> , 2021, 9, 1352.	2.1	2
816	Multifactorial seroprofiling dissects the contribution of pre-existing human coronaviruses responses to SARS-CoV-2 immunity. <i>Nature Communications</i> , 2021, 12, 6703.	5.8	36
817	Nature of Acquired Immune Responses, Epitope Specificity and Resultant Protection from SARS-CoV-2. <i>Journal of Personalized Medicine</i> , 2021, 11, 1253.	1.1	3
818	XAV-19, a Swine Glyco-Humanized Polyclonal Antibody Against SARS-CoV-2 Spike Receptor-Binding Domain, Targets Multiple Epitopes and Broadly Neutralizes Variants. <i>Frontiers in Immunology</i> , 2021, 12, 761250.	2.2	7
819	Computational redesign of Fab CC12.3 with substantially better predicted binding affinity to SARS-CoV-2 than human ACE2 receptor. <i>Scientific Reports</i> , 2021, 11, 22202.	1.6	5
820	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance. <i>Current Opinion in Pharmacology</i> , 2022, 62, 64-73.	1.7	29
822	Mutations of SARS-CoV-2 spike protein: Implications on immune evasion and vaccine-induced immunity. <i>Seminars in Immunology</i> , 2021, 55, 101533.	2.7	72

#	ARTICLE	IF	CITATIONS
823	Role of Senescence and Aging in SARS-CoV-2 Infection and COVID-19 Disease. <i>Cells</i> , 2021, 10, 3367.	1.8	42
824	BNT162b2 vaccine induces divergent B cell responses to SARS-CoV-2 S1 and S2. <i>Nature Immunology</i> , 2022, 23, 33-39.	7.0	44
826	The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants. <i>Cell Host and Microbe</i> , 2022, 30, 53-68.e12.	5.1	52
827	Safety and Immunogenicity Analysis of a Newcastle Disease Virus (NDV-HXP-S) Expressing the Spike Protein of SARS-CoV-2 in Sprague Dawley Rats. <i>Frontiers in Immunology</i> , 2021, 12, 791764.	2.2	14
828	Progression and Resolution of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Golden Syrian Hamsters. <i>American Journal of Pathology</i> , 2022, 192, 195-207.	1.9	22
829	A rapid simple point-of-care assay for the detection of SARS-CoV-2 neutralizing antibodies. <i>Communications Medicine</i> , 2021, 1, .	1.9	23
830	Evaluating Humoral Immunity against SARS-CoV-2: Validation of a Plaque-Reduction Neutralization Test and a Multilaboratory Comparison of Conventional and Surrogate Neutralization Assays. <i>Microbiology Spectrum</i> , 2021, 9, e0088621.	1.2	17
833	SARS CoV-2 Delta variant exhibits enhanced infectivity and a minor decrease in neutralization sensitivity to convalescent or post-vaccination sera. <i>Science</i> , 2021, 24, 103467.	1.9	26
834	Long-term specific IgG response to SARS-CoV-2 nucleocapsid protein in recovered COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 23216.	1.6	35
836	OUP accepted manuscript. <i>Clinical Chemistry</i> , 2022, , .	1.5	12
837	Investigating Constraints Along the Plant Secretory Pathway to Improve Production of a SARS-CoV-2 Spike Vaccine Candidate. <i>Frontiers in Plant Science</i> , 2021, 12, 798822.	1.7	6
839	Clonal Wars: Monoclonal Antibodies Against Infectious Pathogens. <i>DNA and Cell Biology</i> , 2022, 41, 34-37.	0.9	2
840	Formation and Expansion of Memory B Cells against Coronavirus in Acutely Infected COVID-19 Individuals. <i>Pathogens</i> , 2022, 11, 186.	1.2	4
841	Quantitative measurement of IgG to SARS-CoV-2 antigens using monoclonal antibody-based enzyme-linked immunosorbent assays. <i>Clinical and Translational Immunology</i> , 2022, 11, e1369.	1.7	8
842	Clinical Application of Antibody Immunity Against SARS-CoV-2: Comprehensive Review on Immunoassay and Immunotherapy. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 64, 17-32.	2.9	10
843	SARS-CoV-2 reactive and neutralizing antibodies discovered by single-cell sequencing of plasma cells and mammalian display. <i>Cell Reports</i> , 2022, 38, 110242.	2.9	13
844	Dichotomy between the humoral and cellular responses elicited by mRNA and adenoviral vector vaccines against SARS-CoV-2. <i>BMC Medicine</i> , 2022, 20, 32.	2.3	7
845	Potential Therapeutic Use of the Rosemary Diterpene Carnosic Acid for Alzheimer's Disease, Parkinson's Disease, and Long-COVID through NRF2 Activation to Counteract the NLRP3 Inflammasome. <i>Antioxidants</i> , 2022, 11, 124.	2.2	57



#	ARTICLE	IF	CITATIONS
846	Preclinical immunological evaluation of an intradermal heterologous vaccine against SARS-CoV-2 variants. <i>Emerging Microbes and Infections</i> , 2022, 11, 212-226.	3.0	6
847	Animal Models of Human Pathology 2020. <i>BioMed Research International</i> , 2022, 2022, 1-2.	0.9	0
848	A bispecific monomeric nanobody induces spike trimer dimers and neutralizes SARS-CoV-2 in vivo. <i>Nature Communications</i> , 2022, 13, 155.	5.8	49
849	A lethal mouse model for evaluating vaccine-associated enhanced respiratory disease during SARS-CoV-2 infection. <i>Science Advances</i> , 2022, 8, eabh3827.	4.7	27
851	Golden Syrian hamster as a model to study cardiovascular complications associated with SARS-CoV-2 infection. <i>ELife</i> , 2022, 11, .	2.8	41
852	Immunology and Technology of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Vaccines. <i>Pharmacological Reviews</i> , 2022, 74, 313-339.	7.1	9
853	The fatty acid site is coupled to functional motifs in the SARS-CoV-2 spike protein and modulates spike allosteric behaviour. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 139-147.	1.9	19
854	Exploring Rapid and Effective Screening Methods for Anti-SARS-CoV-2 Neutralizing Antibodies in COVID-19 Convalescent Patients and Longitudinal Vaccinated Populations. <i>Pathogens</i> , 2022, 11, 171.	1.2	4
855	Long-Term Kinetics of SARS-CoV-2 Antibodies and Impact of Inactivated Vaccine on SARS-CoV-2 Antibodies Based on a COVID-19 Patients Cohort. <i>Frontiers in Immunology</i> , 2022, 13, 829665.	2.2	19
856	Discovery of ultrapotent broadly neutralizing antibodies from SARS-CoV-2 elite neutralizers. <i>Cell Host and Microbe</i> , 2022, 30, 69-82.e10.	5.1	42
858	The mutational dynamics of the SARS-CoV-2 virus in serial passages in vitro. <i>Virologica Sinica</i> , 2022, 37, 198-207.	1.2	12
859	Immunization with synthetic SARS-CoV-2 S glycoprotein virus-like particles protects macaques from infection. <i>Cell Reports Medicine</i> , 2022, 3, 100528.	3.3	6
860	Intranasal immunization with a Middle East respiratory syndrome-coronavirus antigen conjugated to the M-cell targeting ligand Co4B enhances antigen-specific mucosal and systemic immunity and protects against infection. <i>Vaccine</i> , 2022, 40, 714-725.	1.7	0
861	Structural basis for continued antibody evasion by the SARS-CoV-2 receptor binding domain. <i>Science</i> , 2022, 375, .	6.0	68
862	Comparative Immunogenicity of the Recombinant Receptor-Binding Domain of Protein S SARS-CoV-2 Obtained in Prokaryotic and Mammalian Expression Systems. <i>Vaccines</i> , 2022, 10, 96.	2.1	23
864	A new testing platform using fingerstick blood for quantitative antibody response evaluation after SARS-CoV-2 vaccination. <i>Emerging Microbes and Infections</i> , 2022, 11, 250-259.	3.0	3
865	A pandemic-enabled comparison of discovery platforms demonstrates a naïve antibody library can match the best immune-sourced antibodies. <i>Nature Communications</i> , 2022, 13, 462.	5.8	17
867	Monoclonal antibodies for COVID-19 therapy and SARS-CoV-2 detection. <i>Journal of Biomedical Science</i> , 2022, 29, 1.	2.6	144

#	ARTICLE	IF	CITATIONS
869	Optimization of SARS-CoV-2 Spike Protein Expression in the Silkworm and Induction of Efficient Protective Immunity by Inoculation With Alum Adjuvants. <i>Frontiers in Immunology</i> , 2021, 12, 803647.	2.2	7
870	Circulating ACE2-expressing extracellular vesicles block broad strains of SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 405.	5.8	92
873	Standardized two-step testing of antibody activity in COVID-19 convalescent plasma. <i>IScience</i> , 2022, 25, 103602.	1.9	6
875	Nucleic acid delivery of immune-focused SARS-CoV-2 nanoparticles drives rapid and potent immunogenicity capable of single-dose protection. <i>Cell Reports</i> , 2022, 38, 110318.	2.9	17
876	Germinal center responses to SARS-CoV-2 mRNA vaccines in healthy and immunocompromised individuals. <i>Cell</i> , 2022, 185, 1008-1024.e15.	13.5	101
877	Neutralizing Antibodies and Antibody-Dependent Enhancement in COVID-19: A Perspective. <i>Journal of the Indian Institute of Science</i> , 2022, , 1-17.	0.9	12
878	SARS-CoV-2 Infection and Lung Regeneration. <i>Clinical Microbiology Reviews</i> , 2022, 35, e0018821.	5.7	24
879	Monoclonal antibodies targeting two immunodominant epitopes on the Spike protein neutralize emerging SARS-CoV-2 variants of concern. <i>EBioMedicine</i> , 2022, 76, 103818.	2.7	14
880	A combination of two human neutralizing antibodies prevents SARS-CoV-2 infection in cynomolgus macaques. <i>Med</i> , 2022, 3, 188-203.e4.	2.2	11
882	Neutralizing monoclonal antibodies against highly pathogenic coronaviruses. <i>Current Opinion in Virology</i> , 2022, 53, 101199.	2.6	2
883	Evaluation of Commercial Anti-SARS-CoV-2 Neutralizing Antibody Assays in Seropositive Subjects. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
884	Multiple expansions of globally uncommon SARS-CoV-2 lineages in Nigeria. <i>Nature Communications</i> , 2022, 13, 688.	5.8	23
885	Development of SARS-CoV2 humoral response including neutralizing antibodies is not sufficient to protect patients against fatal infection. <i>Scientific Reports</i> , 2022, 12, 2077.	1.6	8
886	A human antibody reveals a conserved site on beta-coronavirus spike proteins and confers protection against SARS-CoV-2 infection. <i>Science Translational Medicine</i> , 2022, 14, eabi9215.	5.8	123
887	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. <i>Cell</i> , 2022, 185, 614-629.e21.	13.5	40
890	Magnetic Enrichment of SARS-CoV-2 Antigen-Binding B Cells for Analysis of Transcriptome and Antibody Repertoire. <i>Magnetochemistry</i> , 2022, 8, 23.	1.0	2
891	SARS-CoV-2 Omicron-neutralizing memory B cells are elicited by two doses of BNT162b2 mRNA vaccine. <i>Science Immunology</i> , 2022, 7, eabn8590.	5.6	88
892	A SARS-CoV-2 variant elicits an antibody response with a shifted immunodominance hierarchy. <i>PLoS Pathogens</i> , 2022, 18, e1010248.	2.1	48

#	ARTICLE	IF	CITATIONS
893	A Feasible Alternative Strategy Targeting Furin Disrupts SARS-CoV-2 Infection Cycle. <i>Microbiology Spectrum</i> , 2022, , e0236421.	1.2	0
894	A Potent and Protective Human Neutralizing Antibody Against SARS-CoV-2 Variants. <i>Frontiers in Immunology</i> , 2021, 12, 766821.	2.2	15
895	Next-Generation Serology by Mass Spectrometry: Readout of the SARS-CoV-2 Antibody Repertoire. <i>Journal of Proteome Research</i> , 2022, 21, 274-288.	1.8	16
896	Omicron escapes the majority of existing SARS-CoV-2 neutralizing antibodies. <i>Nature</i> , 2022, 602, 657-663.	13.7	1,350
897	Deep dissection of the antiviral immune profile of patients with COVID-19. <i>Communications Biology</i> , 2021, 4, 1389.	2.0	9
898	SARS-CoV-2 spreads through cell-to-cell transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	145
899	A serum-stable RNA aptamer specific for SARS-CoV-2 neutralizes viral entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	58
900	Rapid discovery of diverse neutralizing SARS-CoV-2 antibodies from large-scale synthetic phage libraries. <i>MAbs</i> , 2022, 14, 2002236.	2.6	14
901	Comparative Immunogenicity and Effectiveness of mRNA-1273, BNT162b2, and Ad26.COVS COVID-19 Vaccines. <i>Journal of Infectious Diseases</i> , 2022, 225, 1141-1150.	1.9	102
902	Epitope profiling using computational structural modelling demonstrated on coronavirus-binding antibodies. <i>PLoS Computational Biology</i> , 2021, 17, e1009675.	1.5	33
903	Highly synergistic combinations of nanobodies that target SARS-CoV-2 and are resistant to escape. <i>ELife</i> , 2021, 10, .	2.8	36
904	Structural basis for continued antibody evasion by the SARS-CoV-2 receptor binding domain. <i>Science</i> , 2021, , eabl6251.	6.0	12
905	A scalable serology solution for profiling humoral immune responses to SARS-CoV-2 infection and vaccination. <i>Clinical and Translational Immunology</i> , 2022, 11, e1380.	1.7	65
906	Stabilization of the SARS-CoV-2 receptor binding domain by protein core redesign and deep mutational scanning. <i>Protein Engineering, Design and Selection</i> , 2022, 35, .	1.0	8
909	SARS-CoV-2 and Coronavirus Disease Mitigation: Treatment Options, Vaccinations and Variants. <i>Pathogens</i> , 2022, 11, 275.	1.2	9
910	Therapeutic antibodies for COVID-19: is a new age of IgM, IgA and bispecific antibodies coming?. <i>MAbs</i> , 2022, 14, 2031483.	2.6	15
911	Zinc and vitamin C intake increases spike and neutralising antibody production following SARS-CoV-2 infection. <i>Clinical and Translational Medicine</i> , 2022, 12, e731.	1.7	10
912	A SARS-CoV-2 ferritin nanoparticle vaccine elicits protective immune responses in nonhuman primates. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	73

#	ARTICLE	IF	CITATIONS
913	Reduced Serological Response to COVID-19 Vaccines in Patients with IBD is Further Diminished by TNF Inhibitor Therapy; Early Results of the VARIATION study [Variability in Response in IBD Against SARS-CoV-2 Immunisation]. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 1354-1362.	0.6	15
914	Analysis of B Cell Receptor Repertoires Reveals Key Signatures of the Systemic B Cell Response after SARS-CoV-2 Infection. <i>Journal of Virology</i> , 2022, 96, JVI0160021.	1.5	24
915	Modeling how antibody responses may determine the efficacy of COVID-19 vaccines. <i>Nature Computational Science</i> , 2022, 2, 123-131.	3.8	39
916	Anti-SARS-CoV-2 IgG and IgA antibodies in COVID-19 convalescent plasma do not enhance viral infection. <i>PLoS ONE</i> , 2022, 17, e0257930.	1.1	12
917	Multivariate mining of an alpaca immune repertoire identifies potent cross-neutralizing SARS-CoV-2 nanobodies. <i>Science Advances</i> , 2022, 8, eabm0220.	4.7	18
920	Next-Generation Molecular Discovery: From Bottom-Up In Vivo and In Vitro Approaches to In Silico Top-Down Approaches for Therapeutics Neogenesis. <i>Life</i> , 2022, 12, 363.	1.1	1
921	Short-Term Instantaneous Prophylaxis and Efficient Treatment Against SARS-CoV-2 in hACE2 Mice Conferred by an Intranasal Nanobody (Nb22). <i>Frontiers in Immunology</i> , 2022, 13, 865401.	2.2	8
922	Optimization of Anti-SARS-CoV-2 Neutralizing Antibody Therapies: Roadmap to Improve Clinical Effectiveness and Implementation. <i>Frontiers in Medical Technology</i> , 2022, 4, 867982.	1.3	11
924	Possible Cross-Reactivity of Feline and White-Tailed Deer Antibodies against the SARS-CoV-2 Receptor Binding Domain. <i>Journal of Virology</i> , 2022, 96, e0025022.	1.5	10
926	Broad anti-SARS-CoV-2 antibody immunity induced by heterologous ChAdOx1/mRNA-1273 vaccination. <i>Science</i> , 2022, 375, 1041-1047.	6.0	59
927	Persistence of immunogenicity, contributing factors of an immune response, and reactogenicities after a single dose of the ChAdOx1 (AZD1222) COVID-19 vaccine in the Thai population. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-6.	1.4	9
929	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions. <i>IScience</i> , 2022, 25, 103939.	1.9	32
930	Antigen-Antibody Complex-Guided Exploration of the Hotspots Conferring the Immune-Escaping Ability of the SARS-CoV-2 RBD. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 797132.	1.6	3
931	Efficient discovery of SARS-CoV-2-neutralizing antibodies via B cell receptor sequencing and ligand blocking. <i>Nature Biotechnology</i> , 2022, 40, 1270-1275.	9.4	27
932	Mechanisms of innate and adaptive immunity to the Pfizer-BioNTech BNT162b2 vaccine. <i>Nature Immunology</i> , 2022, 23, 543-555.	7.0	185
933	No substantial preexisting B cell immunity against SARS-CoV-2 in healthy adults. <i>IScience</i> , 2022, 25, 103951.	1.9	8
934	Anti-SARS-CoV-2 equine F (Ab <sup>2</sup> ) immunoglobulin as a possible therapy for COVID-19. <i>Scientific Reports</i> , 2022, 12, 3890.	1.6	8
936	The evolution of SARS-CoV-2 variants and their clinical and healthcare implications. <i>Revista Clínica Espanola</i> , 2022, , .	0.3	1

#	ARTICLE	IF	CITATIONS
937	The Effect of Vaccine Type and SARS-CoV-2 Lineage on Commercial SARS-CoV-2 Serologic and Pseudotype Neutralization Assays in mRNA Vaccine Recipients. <i>Microbiology Spectrum</i> , 2022, 10, e0021122.	1.2	8
938	Breakthrough SARS-CoV-2 infections after vaccination: a critical review. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-5.	1.4	6
939	Thinking Outside the Box: Utilizing Nontraditional Animal Models for COVID-19 Research. <i>International Journal of Translational Medicine</i> , 2022, 2, 113-133.	0.1	2
943	Reappraising the Value of HIV-1 Vaccine Correlates of Protection Analyses. <i>Journal of Virology</i> , 2022, , e0003422.	1.5	7
945	Epitope mapping of neutralising anti-SARS-CoV-2 monoclonal antibodies: Implications for immunotherapy and vaccine design. <i>Reviews in Medical Virology</i> , 2022, 32, e2347.	3.9	7
946	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 104043.	1.9	19
947	Analysis of memory B cells identifies conserved neutralizing epitopes on the N-terminal domain of variant SARS-Cov-2 spike proteins. <i>Immunity</i> , 2022, 55, 998-1012.e8.	6.6	86
948	Identification of Entry Inhibitors against Delta and Omicron Variants of SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4050.	1.8	17
950	Equine immunoglobulin fragment F(ab <sup>™</sup> ) <sub>2</sub> displays high neutralizing capability against multiple SARS-CoV-2 variants. <i>Clinical Immunology</i> , 2022, 237, 108981.	1.4	2
951	A global picture: therapeutic perspectives for COVID-19. <i>Immunotherapy</i> , 2022, 14, 351-371.	1.0	56
952	Isolation of human monoclonal antibodies with neutralizing activity to a broad spectrum of SARS-CoV-2 viruses including the Omicron variants. <i>Antiviral Research</i> , 2022, 201, 105297.	1.9	3
953	SARS-CoV-2 gained a novel spike protein S1 <sup>™</sup> N-Terminal Domain (S1-NTD). <i>Environmental Research</i> , 2022, 211, 113047.	3.7	7
954	Human neutralizing antibodies for SARS-CoV-2 prevention and immunotherapy. <i>Immunotherapy Advances</i> , 2022, 2, .	1.2	9
956	Neutralizing antibody responses over time in demographically and clinically diverse individuals recovered from SARS-CoV-2 infection in the United States and Peru: A cohort study. <i>PLoS Medicine</i> , 2021, 18, e1003868.	3.9	20
958	RBD Double Mutations of SARS-CoV-2 Strains Increase Transmissibility through Enhanced Interaction between RBD and ACE2 Receptor. <i>Viruses</i> , 2022, 14, 1.	1.5	23
959	Response and Duration of Serum Anti-SARS-CoV-2 Antibodies After Inactivated Vaccination Within 160 Days. <i>Frontiers in Immunology</i> , 2021, 12, 786554.	2.2	32
967	Phosphate-mediated coanchoring of RBD immunogens and molecular adjuvants to alum potentiates humoral immunity against SARS-CoV-2. <i>Science Advances</i> , 2021, 7, eabj6538.	4.7	19
968	Evolution of enhanced innate immune evasion by SARS-CoV-2. <i>Nature</i> , 2022, 602, 487-495.	13.7	237

#	ARTICLE	IF	CITATIONS
969	ChAdOx1 nCoV-19 vaccine elicits monoclonal antibodies with cross-neutralizing activity against SARS-CoV-2 viral variants. <i>Cell Reports</i> , 2022, 39, 110757.	2.9	10
970	BNT162b2, mRNA-1273, and Sputnik V Vaccines Induce Comparable Immune Responses on a Par With Severe Course of COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 797918.	2.2	1
973	Novel sarbecovirus bispecific neutralizing antibodies with exceptional breadth and potency against currently circulating SARS-CoV-2 variants and sarbecoviruses. <i>Cell Discovery</i> , 2022, 8, 36.	3.1	22
974	Detailed analysis of antibody responses to SARS-CoV-2 vaccination and infection in macaques. <i>PLoS Pathogens</i> , 2022, 18, e1010155.	2.1	6
975	Structural definition of a pan-sarbecovirus neutralizing epitope on the spike S2 subunit. <i>Communications Biology</i> , 2022, 5, 342.	2.0	41
976	Protein engineering responses to the COVID-19 pandemic. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102385.	2.6	11
977	Prolonged Protective Immunity Induced by Mild SARS-CoV-2 Infection of K18-hACE2 Mice. <i>Vaccines</i> , 2022, 10, 613.	2.1	2
978	Chemically Modified Bacterial Sacculi as a Vaccine Microparticle Scaffold. <i>ACS Chemical Biology</i> , 2022, 17, 1184-1196.	1.6	5
980	Potent Anti-SARS-CoV-2 Efficacy of COVID-19 Hyperimmune Globulin from Vaccinated Immunized Plasma. <i>Advanced Science</i> , 2022, 9, e2104333.	5.6	8
981	Functional Analysis of Spike from SARS-CoV-2 Variants Reveals the Role of Distinct Mutations in Neutralization Potential and Viral Infectivity. <i>Viruses</i> , 2022, 14, 803.	1.5	10
982	Covax-19/Spikogen <sup>®</sup> vaccine based on recombinant spike protein extracellular domain with Advax-CpG55.2 adjuvant provides single dose protection against SARS-CoV-2 infection in hamsters. <i>Vaccine</i> , 2022, 40, 3182-3192.	1.7	25
988	Computational approach for binding prediction of SARS-CoV-2 with neutralizing antibodies. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2212-2222.	1.9	4
989	Passive Immunotherapy Against SARS-CoV-2: From Plasma-Based Therapy to Single Potent Antibodies in the Race to Stay Ahead of the Variants. <i>BioDrugs</i> , 2022, 36, 231-323.	2.2	24
991	Phenotypic determinism and stochasticity in antibody repertoires of clonally expanded plasma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113766119.	3.3	12
992	Comparison of Six Serological Immunoassays for the Detection of SARS-CoV-2 Neutralizing Antibody Levels in the Vaccinated Population. <i>Viruses</i> , 2022, 14, 946.	1.5	14
993	An antibody targeting the N-terminal domain of SARS-CoV-2 disrupts the spike trimer. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	14
995	A combination of potently neutralizing monoclonal antibodies isolated from an Indian convalescent donor protects against the SARS-CoV-2 Delta variant. <i>PLoS Pathogens</i> , 2022, 18, e1010465.	2.1	8
996	Potential for a Plant-Made SARS-CoV-2 Neutralizing Monoclonal Antibody as a Synergetic Cocktail Component. <i>Vaccines</i> , 2022, 10, 772.	2.1	10

#	ARTICLE	IF	CITATIONS
997	COVID-19 patient serum less potently inhibits ACE2-RBD binding for various SARS-CoV-2 RBD mutants. <i>Scientific Reports</i> , 2022, 12, 7168.	1.6	15
998	Biophysical Fitness Landscape of the SARS-CoV-2 Delta Variant Receptor Binding Domain. <i>Journal of Molecular Biology</i> , 2022, 434, 167622.	2.0	3
999	Recall of preexisting cross-reactive B cell memory after Omicron BA.1 breakthrough infection. <i>Science Immunology</i> , 2022, 7, eabq3511.	5.6	82
1000	SARS-CoV-2-related pangolin coronavirus exhibits similar infection characteristics to SARS-CoV-2 and direct contact transmissibility in hamsters. <i>IScience</i> , 2022, 25, 104350.	1.9	13
1001	Off-the-shelf CAR natural killer cells secreting IL-15 target spike in treating COVID-19. <i>Nature Communications</i> , 2022, 13, 2576.	5.8	21
1002	A bivalent Epstein-Barr virus vaccine induces neutralizing antibodies that block infection and confer immunity in humanized mice. <i>Science Translational Medicine</i> , 2022, 14, eabf3685.	5.8	34
1003	Evaluation of commercial Anti-SARS-CoV-2 neutralizing antibody assays in seropositive subjects. <i>Journal of Clinical Virology</i> , 2022, 152, 105169.	1.6	10
1004	Virological and Clinical Determinants of the Magnitude of Humoral Responses to SARS-CoV-2 in Mild-Symptomatic Individuals. <i>Frontiers in Immunology</i> , 2022, 13, 860215.	2.2	6
1005	Antibodies from convalescent plasma promote SARS-CoV-2 clearance in individuals with and without endogenous antibody response. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	26
1006	Antibody-mediated neutralization of SARS-CoV-2. <i>Immunity</i> , 2022, 55, 925-944.	6.6	74
1007	IgG targeting distinct seasonal coronavirus- conserved SARS-CoV-2 spike subdomains correlates with differential COVID-19 disease outcomes. <i>Cell Reports</i> , 2022, 39, 110904.	2.9	9
1008	Ultrapotent and broad neutralization of SARS-CoV-2 variants by modular, tetravalent, bi-paratopic antibodies. <i>Cell Reports</i> , 2022, 39, 110905.	2.9	5
1009	Safety and immunogenicity of Nanocovax, a SARS-CoV-2 recombinant spike protein vaccine: Interim results of a double-blind, randomised controlled phase 1 and 2 trial. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 24, 100474.	1.3	13
1010	Point mutations in SARS-CoV-2 variants induce long-range dynamical perturbations in neutralizing antibodies. <i>Chemical Science</i> , 2022, 13, 7224-7239.	3.7	6
1015	Evaluation of Antibody-Dependent Fc-Mediated Viral Entry, as Compared With Neutralization, in SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
1016	Protective neutralizing epitopes in SARS-CoV-2. <i>Immunological Reviews</i> , 2022, 310, 76-92.	2.8	23
1017	Leveraging South African HIV research to define SARS-CoV-2 immunity triggered by sequential variants of concern. <i>Immunological Reviews</i> , 2022, 310, 61-75.	2.8	6
1018	Longitudinal profile of neutralizing and binding antibodies in vaccinated and convalescent COVID-19 cohorts by chemiluminescent immunoassays. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	1.3	7

#	ARTICLE	IF	CITATIONS
1019	Longitudinal variation in SARS-CoV-2 antibody levels and emergence of viral variants: a serological analysis. <i>Lancet Microbe</i> , The, 2022, 3, e493-e502.	3.4	22
1020	Evaluation of strategies to modify Anti-SARS-CoV-2 monoclonal antibodies for optimal functionality as therapeutics. <i>PLoS ONE</i> , 2022, 17, e0267796.	1.1	3
1021	Targeted isolation of diverse human protective broadly neutralizing antibodies against SARS-like viruses. <i>Nature Immunology</i> , 2022, 23, 960-970.	7.0	39
1023	SARS-CoV-2-neutralising monoclonal antibodies to prevent COVID-19. <i>The Cochrane Library</i> , 2022, 2022, .	1.5	20
1025	Anticuerpos Anti SARS-CoV-2, Post-vacunaci3n en Cochabamba, Bolivia. <i>Gaceta Medica Boliviana</i> , 2022, 45, 29-35.	0.0	0
1026	Increased body mass index linked to decreased neutralizing antibody titers of inactivated SARS-CoV-2 vaccine in healthcare workers. <i>Obesity Science and Practice</i> , 2023, 9, 23-29.	1.0	4
1027	Potent human broadly SARS-CoV-2 neutralizing IgA and IgG antibodies effective against Omicron BA.1 and BA.2. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	34
1028	Single-cell profiling of the antigen-specific response to BNT162b2 SARS-CoV-2 RNA vaccine. <i>Nature Communications</i> , 2022, 13, .	5.8	28
1029	A one-year follow-up study on dynamic changes of leukocyte subsets and virus-specific antibodies of patients with COVID-19 in Sichuan, China. <i>International Journal of Medical Sciences</i> , 2022, 19, 1122-1130.	1.1	0
1030	Broadly Neutralizing Antibodies Against Omicron Variants of SARS-CoV-2 Derived from mRNA-Lipid Nanoparticle-Immunized Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1032	A broad and potent neutralization epitope in SARS-related coronaviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	34
1033	Decreased Efficiency of Neutralizing Antibodies from Previously Infected or Vaccinated Individuals against the B.1.617.2 (Delta) SARS-CoV-2 Variant. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5
1035	Vaccine-elicited murine antibody WS6 neutralizes diverse beta-coronaviruses by recognizing a helical stem supersite of vulnerability. <i>Structure</i> , 2022, 30, 1233-1244.e7.	1.6	13
1036	SARS-CoV-2 Omicron sublineages exhibit distinct antibody escape patterns. <i>Cell Host and Microbe</i> , 2022, 30, 1231-1241.e6.	5.1	55
1038	Plasma and memory antibody responses to Gamma SARS-CoV-2 provide limited cross-protection to other variants. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	6
1039	Guardians of the oral and nasopharyngeal galaxy: IgA and protection against SARS-CoV-2 infection*. <i>Immunological Reviews</i> , 2022, 309, 75-85.	2.8	32
1040	Mosaic RBD nanoparticles protect against challenge by diverse sarbecoviruses in animal models. <i>Science</i> , 2022, 377, .	6.0	120
1041	Broadly neutralizing antibodies target the coronavirus fusion peptide. <i>Science</i> , 2022, 377, 728-735.	6.0	111



#	ARTICLE	IF	CITATIONS
1042	Nasal Mucosa Exploited by SARS-CoV-2 for Replicating and Shedding during Reinfection. <i>Viruses</i> , 2022, 14, 1608.	1.5	2
1043	GMP Manufacturing and IND-Enabling Studies of a Recombinant Hyperimmune Globulin Targeting SARS-CoV-2. <i>Pathogens</i> , 2022, 11, 806.	1.2	3
1044	Structure-selected RBM immunogens prime polyclonal memory responses that neutralize SARS-CoV-2 variants of concern. <i>PLoS Pathogens</i> , 2022, 18, e1010686.	2.1	2
1045	COVID-19 lung disease shares driver AT2 cytopathic features with Idiopathic pulmonary fibrosis. <i>EBioMedicine</i> , 2022, 82, 104185.	2.7	21
1046	Human antibodies to SARS-CoV-2 with a recurring YYDRxG motif retain binding and neutralization to variants of concern including Omicron. <i>Communications Biology</i> , 2022, 5, .	2.0	9
1047	Conformational flexibility in neutralization of SARS-CoV-2 by naturally elicited anti-SARS-CoV-2 antibodies. <i>Communications Biology</i> , 2022, 5, .	2.0	5
1048	Application of recombinant antibodies for treatment of <i>Clostridioides difficile</i> infection: Current status and future perspective. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
1049	Physical-Chemical Regulation of Membrane Receptors Dynamics in Viral Invasion and Immune Defense. <i>Journal of Molecular Biology</i> , 2023, 435, 167800.	2.0	2
1050	Evolutionary remodelling of N-terminal domain loops fine-tunes SARS-CoV-2 spike. <i>EMBO Reports</i> , 2022, 23, .	2.0	18
1051	Engineering SARS-CoV-2 neutralizing antibodies for increased potency and reduced viral escape pathways. <i>IScience</i> , 2022, 25, 104914.	1.9	5
1052	A public antibody class recognizes an S2 epitope exposed on open conformations of SARS-CoV-2 spike. <i>Nature Communications</i> , 2022, 13, .	5.8	34
1053	Antibodies from primary humoral responses modulate the recruitment of naive B cells during secondary responses. <i>Immunity</i> , 2022, 55, 1856-1871.e6.	6.6	54
1055	Epitopes mapped onto SARS-CoV-2 receptor-binding motif by five distinct human neutralising antibodies. <i>Molecular Simulation</i> , 0, , 1-11.	0.9	0
1056	Simplified Purification of Glycoprotein-Modified Ferritin Nanoparticles for Vaccine Development. <i>Biochemistry</i> , 0, , .	1.2	4
1058	Potently neutralizing and protective anti-human metapneumovirus antibodies target diverse sites on the fusion glycoprotein. <i>Immunity</i> , 2022, 55, 1710-1724.e8.	6.6	11
1059	A key F27I substitution within HCDR1 facilitates the rapid maturation of P2C-1F11-like neutralizing antibodies in a SARS-CoV-2-infected donor. <i>Cell Reports</i> , 2022, 40, 111335.	2.9	2
1060	Heterogenous humoral and cellular immune responses with distinct trajectories post-SARS-CoV-2 infection in a population-based cohort. <i>Nature Communications</i> , 2022, 13, .	5.8	18
1061	A neutralizing epitope on the SD1 domain of SARS-CoV-2 spike targeted following infection and vaccination. <i>Cell Reports</i> , 2022, 40, 111276.	2.9	29

#	ARTICLE	IF	CITATIONS
1063	An antibody that neutralizes SARS-CoV-1 and SARS-CoV-2 by binding to a conserved spike epitope outside the receptor binding motif. <i>Science Immunology</i> , 2022, 7, .	5.6	23
1064	Broadly neutralizing antibodies to SARS-related viruses can be readily induced in rhesus macaques. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	15
1065	Potential of antibody pair targeting conserved antigenic sites in diagnosis of SARS-CoV-2 variants infection. <i>Journal of Virological Methods</i> , 2022, 309, 114597.	1.0	1
1066	Converting non-neutralizing SARS-CoV-2 antibodies into broad-spectrum inhibitors. <i>Nature Chemical Biology</i> , 2022, 18, 1270-1276.	3.9	8
1067	Recurrence of COVID-19 infection symptoms in short time; reinfection or reactivation? Three cases of three healthcare workers and a literature review. <i>Annals of Medicine and Surgery</i> , 2022, 82, .	0.5	0
1068	Humoral cross-coronavirus responses against the S2 region in children with Kawasaki disease. <i>Virology</i> , 2022, 575, 83-90.	1.1	1
1069	Single domain antibodies derived from ancient animals as broadly neutralizing agents for SARS-CoV-2 and other coronaviruses. <i>Biomedical Engineering Advances</i> , 2022, 4, 100054.	2.2	3
1070	Preclinical Safety and Efficacy of a Therapeutic Antibody That Targets SARS-CoV-2 at the Sotrovimab Face But is Escaped by Omicron. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1071	High-resolution analysis of individual spike peptide-specific CD4 <sup>+</sup> T cell responses in vaccine recipients and COVID-19 patients. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	10
1072	Approach for the study of COVID-19 infection and vaccine development using mice model: A narrative review. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
1073	Antibody-mediated immunity to SARS-CoV-2 spike. <i>Advances in Immunology</i> , 2022, , 1-69.	1.1	12
1074	Differential persistence of neutralizing antibody against SARS-CoV-2 in post immunized Bangladeshi population. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1075	The role of B cells in COVID-19 infection and vaccination. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	25
1076	Broad-Spectrum Small-Molecule Inhibitors of the SARS-CoV-2 Spike-ACE2 Protein-Protein Interaction from a Chemical Space of Privileged Protein Binders. <i>Pharmaceuticals</i> , 2022, 15, 1084.	1.7	5
1077	Design of immunogens for eliciting antibody responses that may protect against SARS-CoV-2 variants. <i>PLoS Computational Biology</i> , 2022, 18, e1010563.	1.5	4
1078	Isolation of an escape-resistant SARS-CoV-2 neutralizing nanobody from a novel synthetic nanobody library. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
1079	Screening and Characterization of Shark-Derived VNARs against SARS-CoV-2 Spike RBD Protein. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10904.	1.8	8
1080	Potential of conserved antigenic sites in development of universal SARS-like coronavirus vaccines. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0

#	ARTICLE	IF	CITATIONS
1082	Prospects of animal models and their application in studies on adaptive immunity to SARS-CoV-2. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
1083	De novo design and Rosetta-based assessment of high-affinity antibody variable regions (Fv) against the SARS-CoV-2 spike receptor binding domain (RBD). <i>Proteins: Structure, Function and Bioinformatics</i> , 2023, 91, 196-208.	1.5	1
1084	COVID-19 immunopathology: From acute diseases to chronic sequelae. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	24
1085	Therapeutic Role of Neutralizing Antibody for the Treatment against SARS-CoV-2 and Its Emerging Variants: A Clinical and Pre-Clinical Perspective. <i>Vaccines</i> , 2022, 10, 1612.	2.1	14
1086	Targeted protein S-nitrosylation of ACE2 inhibits SARS-CoV-2 infection. <i>Nature Chemical Biology</i> , 2023, 19, 275-283.	3.9	12
1087	Building a Resilient Scientific Network for COVID-19 and Beyond. <i>MBio</i> , 0, , .	1.8	1
1088	Persistent but dysfunctional mucosal SARS-CoV-2-specific IgA and low lung IL-1 $\beta$ associate with COVID-19 fatal outcome: A cross-sectional analysis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
1089	A single-administration therapeutic interfering particle reduces SARS-CoV-2 viral shedding and pathogenesis in hamsters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	5
1090	Broad Tricyclic Ring Inhibitors Block SARS-CoV-2 Spike Function Required for Viral Entry. <i>ACS Infectious Diseases</i> , 2022, 8, 2045-2058.	1.8	4
1092	Anti-SARS-CoV-2 immunoadhesin remains effective against Omicron and other emerging variants of concern. <i>IScience</i> , 2022, 25, 105193.	1.9	7
1093	Differential patterns of cross-reactive antibody response against SARS-CoV-2 spike protein detected for chronically ill and healthy COVID-19 naïve individuals. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
1094	Antibody Therapy for COVID-19: Categories, Pros, and Cons. <i>Viral Immunology</i> , 2022, 35, 517-528.	0.6	1
1095	Exploiting V-Gene Bias for Rapid, High-Throughput Monoclonal Antibody Isolation from Horses. <i>Viruses</i> , 2022, 14, 2172.	1.5	0
1096	Longitudinal Characterization of Phagocytic and Neutralization Functions of Anti-Spike Antibodies in Plasma of Patients after Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Immunology</i> , 2022, 209, 1499-1512.	0.4	1
1097	Cell Entry and Unusual Replication of SARS-CoV-2. <i>Current Drug Targets</i> , 2022, 23, 1539-1554.	1.0	1
1098	Laboratory assessment of state of post-vaccination humoral immunity to infections with aerosol transmission mechanism. <i>Medical Alphabet</i> , 2022, , 50-54.	0.0	0
1099	Pandemic's silver lining. <i>MAbs</i> , 2022, 14, .	2.6	1
1100	Nebulized mRNA-Encoded Antibodies Protect Hamsters from SARS-CoV-2 Infection. <i>Advanced Science</i> , 2022, 9, .	5.6	12

#	ARTICLE	IF	CITATIONS
1101	A novel plasma proteomicâ€based model for predicting liver fibrosis in HIV/HBV coâ€infected adults. Journal of Medical Virology, 2023, 95, .	2.5	0
1102	Pan-neutralizing, germline-encoded antibodies against SARS-CoV-2: Addressing the long-term problem of escape variants. Frontiers in Immunology, 0, 13, .	2.2	2
1105	Angiotensin Converting Enzyme 2 (ACE2) - A macromolecule and its impact on human reproduction during COVID-19 pandemic. Journal of Experimental Biology and Agricultural Sciences, 2022, 10, 960-977.	0.1	0
1106	Non-Myelofibrosis Chronic Myeloproliferative Neoplasm Patients Show Better Seroconversion Rates after SARS-CoV-2 Vaccination Compared to Other Hematologic Diseases: A Multicentric Prospective Study of KroHem. Biomedicines, 2022, 10, 2892.	1.4	4
1107	Rare, convergent antibodies targeting the stem helix broadly neutralize diverse betacoronaviruses. Cell Host and Microbe, 2023, 31, 97-111.e12.	5.1	21
1109	A novel plantâ€made monoclonal antibody enhances the synergetic potency of an antibody cocktail against the <scp>SARSâ€CoV</scp>-â€2 Omicron variant. Plant Biotechnology Journal, 2023, 21, 549-559.	4.1	8
1110	Immunotherapeutic and immunomodulatory potentials of Antigen-Antibody complex vaccines. Medical Hypotheses, 2023, 170, 111001.	0.8	2
1111	CD4 and IL-2 mediated NK cell responses after COVID-19 infection and mRNA vaccination in adults. Immunobiology, 2023, 228, 152304.	0.8	2
1112	Essential oils block cellular entry of SARS-CoV-2 delta variant. Scientific Reports, 2022, 12, .	1.6	5
1114	Assessing the long-stand antibody response induced by COVID-19 vaccines: A study in an educational cohort in San Luis, Argentina. Vaccine, 2022, , .	1.7	0
1115	How Protective are Antibodies to SARS-CoV-2, the Main Weapon of the B-Cell Response?. Stem Cell Reviews and Reports, 0, , .	1.7	2
1116	Challenges and developments in universal vaccine design against SARS-CoV-2 variants. Npj Vaccines, 2022, 7, .	2.9	25
1118	Characterization of Systemic and Mucosal Humoral Immune Responses to an Adjuvanted Intranasal SARS-CoV-2 Protein Subunit Vaccine Candidate in Mice. Vaccines, 2023, 11, 30.	2.1	3
1119	<scp>FLUâ€ELISA (</scp>fluorescenceâ€linked immunosorbent assay<scp></scp>): highâ€throughput antibody profiling using antigen microarrays. Immunology and Cell Biology, 2023, 101, 231-248.	1.0	5
1120	Immune repertoire sequencing reveals an abnormal adaptive immune system in COVIDâ€19 survivors. Journal of Medical Virology, 2023, 95, .	2.5	2
1121	Thermophilic Filamentous Fungus C1-Cell-Cloned SARS-CoV-2-Spike-RBD-Subunit-Vaccine Adjuvanted with Aldhydrogelâ€85 Protects K18-hACE2 Mice against Lethal Virus Challenge. Vaccines, 2022, 10, 2119.	2.1	4
1122	Immunoglobulin germline gene polymorphisms influence the function of SARS-CoV-2 neutralizing antibodies. Immunity, 2023, 56, 193-206.e7.	6.6	12
1123	Variations within the Glycan Shield of SARS-CoV-2 Impact Viral Spike Dynamics. Journal of Molecular Biology, 2023, 435, 167928.	2.0	24

#	ARTICLE	IF	CITATIONS
1125	HIV and SARS-CoV-2 Co-Infection: From Population Study Evidence to In Vitro Studies. <i>Life</i> , 2022, 12, 2089.	1.1	0
1126	Animal Models to Test SARS-CoV-2 Vaccines: Which Ones Are in Use and Future Expectations. <i>Pathogens</i> , 2023, 12, 20.	1.2	4
1127	Prophylactic Administration of the Monoclonal Antibody Adintrevimab Protects against SARS-CoV-2 in Hamster and Non-Human Primate Models of COVID-19. <i>Antimicrobial Agents and Chemotherapy</i> , 2023, 67, .	1.4	2
1129	Antibody feedback contributes to facilitating the development of Omicron-reactive memory B cells in SARS-CoV-2 mRNA vaccinees. <i>Journal of Experimental Medicine</i> , 2023, 220, .	4.2	11
1131	Attenuated humoral responses in HIV after SARS-CoV-2 vaccination linked to B cell defects and altered immune profiles. <i>IScience</i> , 2023, 26, 105862.	1.9	8
1134	RBD-Based ELISA and Luminex Predict Anti-SARS-CoV-2 Surrogate-Neutralizing Activity in Two Longitudinal Cohorts of German and Spanish Health Care Workers. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	1
1135	Effects of tuberculosis and/or HIV-1 infection on COVID-19 presentation and immune response in Africa. <i>Nature Communications</i> , 2023, 14, .	5.8	17
1136	Humoral immunity for durable control of SARS-CoV-2 and its variants. <i>Inflammation and Regeneration</i> , 2023, 43, .	1.5	6
1137	Preclinical studies of antiviral activity of the RPH-137 fusion protein and molnupiravir against COVID-19. <i>BIOpreparations Prevention Diagnosis Treatment</i> , 2022, 22, 414-434.	0.2	1
1139	Unglycosylated Soluble SARS-CoV-2 Receptor Binding Domain (RBD) Produced in <i>E. coli</i> Combined with the Army Liposomal Formulation Containing QS21 (ALFQ) Elicits Neutralizing Antibodies against Mismatched Variants. <i>Vaccines</i> , 2023, 11, 42.	2.1	5
1140	Subcutaneous delivery of an antibody against SARS-CoV-2 from a supramolecular hydrogel depot. <i>Biomaterials Science</i> , 2023, 11, 2065-2079.	2.6	7
1141	Protective roles and protective mechanisms of neutralizing antibodies against SARS-CoV-2 infection and their potential clinical implications. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	14
1142	SARS-CoV-2 Establishes a Productive Infection in Hepatoma and Glioblastoma Multiforme Cell Lines. <i>Cancers</i> , 2023, 15, 632.	1.7	3
1143	Applications of genetic engineering in COVID-19. , 2023, , 219-237.		0
1144	Animal models of COVID-19 and complications. , 2023, , 623-636.		0
1145	State of the art in epitope mapping and opportunities in COVID-19. <i>Future Science OA</i> , 2023, 9, .	0.9	4
1146	Development of a Single-Chain Fragment Variable that Binds to the SARS-CoV-2 Spike Protein Produced by Genetically Modified Lactic Acid Bacteria. <i>Molecular Biotechnology</i> , 2024, 66, 151-160.	1.3	0
1147	Antiviral neutralizing antibodies: from in vitro to in vivo activity. <i>Nature Reviews Immunology</i> , 2023, 23, 720-734.	10.6	8

#	ARTICLE	IF	CITATIONS
1149	Lessons learned: A look back at the performance of nine COVID-19 serologic assays and their proposed utility. <i>Clinical Biochemistry</i> , 2023, 117, 60-68.	0.8	0
1150	A Competitive Panning Method Reveals an Anti-SARS-CoV-2 Nanobody Specific for an RBD-ACE2 Binding Site. <i>Vaccines</i> , 2023, 11, 371.	2.1	3
1151	SARS-CoV-2 multi-antigen protein microarray for detailed characterization of antibody responses in COVID-19 patients. <i>PLoS ONE</i> , 2023, 18, e0276829.	1.1	4
1152	Ruxolitinib treatment in myelofibrosis and polycythemia vera causes suboptimal humoral immune response following standard and booster vaccination with BNT162b2 mRNA COVID-19 vaccine. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	5
1153	Broadly neutralizing anti-S2 antibodies protect against all three human betacoronaviruses that cause deadly disease. <i>Immunity</i> , 2023, 56, 669-686.e7.	6.6	43
1154	Development of neutralizing antibodies against SARS-CoV-2, using a high-throughput single-B-cell cloning method. <i>Antibody Therapeutics</i> , 2023, 6, 76-86.	1.2	0
1155	Site of vulnerability on SARS-CoV-2 spike induces broadly protective antibody against antigenically distinct Omicron subvariants. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	4
1156	Preclinical safety and efficacy of a therapeutic antibody that targets SARS-CoV-2 at the sotrovimab face but is escaped by Omicron. <i>IScience</i> , 2023, 26, 106323.	1.9	0
1157	Variants of SARS-CoV-2: Influences on the Vaccinesâ€™ Effectiveness and Possible Strategies to Overcome Their Consequences. <i>Medicina (Lithuania)</i> , 2023, 59, 507.	0.8	5
1158	A plant-produced SARS-CoV-2 spike protein elicits heterologous immunity in hamsters. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	11
1161	Construction of a new chromosome-scale, long-read reference genome assembly for the Syrian hamster, <i>Mesocricetus auratus</i> . <i>GigaScience</i> , 2022, 11, .	3.3	5
1162	Review of therapeutic mechanisms and applications based on SARS-CoV-2 neutralizing antibodies. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	5
1164	Rapid, early, and potent Spike-directed IgG, IgM, and IgA distinguish asymptomatic from mildly symptomatic COVID-19 in Uganda, with IgG persisting for 28 months. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	7
1165	Identification of a conserved S2 epitope present on spike proteins from all highly pathogenic coronaviruses. <i>ELife</i> , 0, 12, .	2.8	22
1166	Ancestral SARS-CoV-2-Driven Antibody Repertoire Diversity in an Unvaccinated Individual Correlates with Expanded Neutralization Breadth. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	0
1167	Exploring the Potential of Broadly Neutralizing Antibodies for Treating SARS-CoV-2 Variants of Global Concern in 2023: A Comprehensive Clinical Review. <i>Cureus</i> , 2023, , .	0.2	1
1170	Pre-clinical models to define correlates of protection for SARS-CoV-2. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	3
1171	SARS-Cov-2 Coronavirus Infection in Wild Animals. , 2023, , 113-120.		0

#	ARTICLE	IF	CITATIONS
1172	Bispecific antibodies combine breadth, potency, and avidity of parental antibodies to neutralize sarbecoviruses. <i>IScience</i> , 2023, 26, 106540.	1.9	2
1173	Comprehensive structural analysis reveals broad-spectrum neutralizing antibodies against SARS-CoV-2 Omicron variants. <i>Cell Discovery</i> , 2023, 9, .	3.1	2
1174	Reduced serological response to COVID-19 booster vaccine is associated with reduced B cell memory in patients with Inflammatory Bowel Disease; VARIATION (VARIability in Response in IBD Against) Tj ETQq0 0 0 rgBTQ0verlock110 Tf 50 6		
1175	Immunology of COVID-19. , 2024, , 52-71.		0
1176	Covid-19 infection: Successful global spread, challenges to public health surveillance, and lessons learnt. <i>Journal of Public Health and Epidemiology</i> , 2023, 15, 50-54.	0.1	0
1178	SARS-CoV-2 Variant Pathogenesis Following Primary Infection and Reinfection in Syrian Hamsters. <i>MBio</i> , 0, , .	1.8	4
1179	Inactivated vaccine-elicited potent antibodies can broadly neutralize SARS-CoV-2 circulating variants. <i>Nature Communications</i> , 2023, 14, .	5.8	12
1180	SARS-CoV-2: Immunity, Challenges with Current Vaccines, and a Novel Perspective on Mucosal Vaccines. <i>Vaccines</i> , 2023, 11, 849.	2.1	12
1181	A ferritin-based COVID-19 nanoparticle vaccine that elicits robust, durable, broad-spectrum neutralizing antisera in non-human primates. <i>Nature Communications</i> , 2023, 14, .	5.8	21
1182	Severe COVID-19: Drugs and Clinical Trials. <i>Journal of Clinical Medicine</i> , 2023, 12, 2893.	1.0	0
1183	Broadly neutralizing antibodies against Omicron variants of SARS-CoV-2 derived from mRNA-lipid nanoparticle-immunized mice. <i>Heliyon</i> , 2023, 9, e15587.	1.4	1
1184	Vaccination of SARS-CoV-2-infected individuals expands a broad range of clonally diverse affinity-matured B cell lineages. <i>Nature Communications</i> , 2023, 14, .	5.8	1
1211	Antibody-Secreting Cell Isolation from Different Species for Microfluidic Antibody Hit Discovery. <i>Methods in Molecular Biology</i> , 2023, , 313-325.	0.4	0
1212	Efficient Microfluidic Downstream Processes for Rapid Antibody Hit Confirmation. <i>Methods in Molecular Biology</i> , 2023, , 327-341.	0.4	0
1236	(Re-)emerging viral zoonotic diseases at the humanâ€“animalâ€“environment interface. , 2024, , 93-111.		0
1242	B-cell and antibody responses to SARS-CoV-2: infection, vaccination, and hybrid immunity. , 2024, 21, 144-158.		4
1260	Approaches to Improve the Immunogenicity of Plasmid DNA-Based Vaccines against COVID-19. , 0, , .		0
1270	Mammalian Antigen Display for Pandemic Countermeasures. <i>Methods in Molecular Biology</i> , 2024, , 191-216.	0.4	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------