SARS-CoV-2 Omicron variant replication in human broa

Nature

603, 715-720

DOI: 10.1038/s41586-022-04479-6

Citation Report

#	Article	IF	CITATIONS
7	Charge Matters: Mutations in Omicron Variant Favor Binding to Cells. ChemBioChem, 2022, 23, e202100681.	1.3	62
10	Clinical profile of patients infected with suspected SARS-CoV-2 Omicron variant of concern, Tamil Nadu, India, December 2021-January 2022. Indian Journal of Medical Research, 2022, 155, 165.	0.4	13
12	Omicron's lasting mysteries: four questions scientists are racing to answer. Nature, 2022, 603, 22-24.	13.7	11
18	Effectiveness of mRNA-1273 against SARS-CoV-2 Omicron and Delta variants. Nature Medicine, 2022, 28, 1063-1071.	15.2	398
19	Synthetic Heparan Sulfate Mimetic Pixatimod (PG545) Potently Inhibits SARS-CoV-2 by Disrupting the Spike–ACE2 Interaction. ACS Central Science, 2022, 8, 527-545.	5.3	62
20	Assessment of BIV1-CovIran inactivated vaccine–elicited neutralizing antibody against the emerging SARS-CoV-2 variants of concern. Clinical Microbiology and Infection, 2022, 28, 882.e1-882.e7.	2.8	7
21	Coronavirus disease 2019 (COVIDâ€19)–related smell and taste impairment with widespread diffusion of severe acute respiratory syndrome–coronavirusâ€2 (SARSâ€CoVâ€2) Omicron variant. International Forum of Allergy and Rhinology, 2022, 12, 1273-1281.	1.5	82
22	COVID-19 vaccines in patients with cancer: immunogenicity, efficacy and safety. Nature Reviews Clinical Oncology, 2022, 19, 385-401.	12.5	135
24	Human serum from SARS-CoV-2-vaccinated and COVID-19 patients shows reduced binding to the RBD of SARS-CoV-2 Omicron variant. BMC Medicine, 2022, 20, 102.	2.3	67
28	Challenges of the Omicron (B.1.1.529) Variant and Its Lineages: A Global Perspective. ChemBioChem, 2022, 23, e202200059.	1.3	35
29	Mucus secretion blocked at its source in the lungs. Nature, 2022, 603, 798-799.	13.7	1
30	The genomic and clinical features of the COVID-19 Omicron variant: a narrative review. F1000Research, 0, $11$ , $353$ .	0.8	1
32	SARS oVâ€⊋ Omicron variant: Immune escape and vaccine development. MedComm, 2022, 3, e126.	3.1	74
33	Neutralizing immunity in vaccine breakthrough infections from the SARS-CoV-2 Omicron and Delta variants. Cell, 2022, 185, 1539-1548.e5.	13.5	126
35	COVID-19 Cases and Disease Severity in Pregnancy and Neonatal Positivity Associated With Delta (B.1.617.2) and Omicron (B.1.1.529) Variant Predominance. JAMA - Journal of the American Medical Association, 2022, 327, 1500.	3.8	59
36	Symptom prevalence, duration, and risk of hospital admission in individuals infected with SARS-CoV-2 during periods of omicron and delta variant dominance: a prospective observational study from the ZOE COVID Study. Lancet, The, 2022, 399, 1618-1624.	6.3	547
37	Infectious viral load in unvaccinated and vaccinated individuals infected with ancestral, Delta or Omicron SARS-CoV-2. Nature Medicine, 2022, 28, 1491-1500.	15.2	239
38	Comparative analysis of the risks of hospitalisation and death associated with SARS-CoV-2 omicron (B.1.1.529) and delta (B.1.617.2) variants in England: a cohort study. Lancet, The, 2022, 399, 1303-1312.	6.3	889

#	Article	IF	CITATIONS
39	Omicron: Understanding the latest variant of SARS oVâ€2 and strategies for tackling the infection. ChemBioChem, 2022, , .	1.3	4
40	Deep Learning Applied to Chest Radiograph Classification—A COVID-19 Pneumonia Experience. Applied Sciences (Switzerland), 2022, 12, 3712.	1.3	6
42	Modeling insights into SARS-CoV-2 respiratory tract infections prior to immune protection. Biophysical Journal, 2022, 121, 1619-1631.	0.2	17
43	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19. Journal of Theoretical Biology, 2022, 542, 111105.	0.8	5
45	Croup Associated With SARS-CoV-2: Pediatric Laryngotracheitis During the Omicron Surge. Journal of the Pediatric Infectious Diseases Society, 2022, 11, 371-374.	0.6	16
46	Is There Less Alteration of Smell Sensation in Patients With Omicron SARS-CoV-2 Variant Infection?. Frontiers in Medicine, 2022, 9, 852998.	1.2	25
51	Visualizing omicron: COVID-19 deaths vs. cases over time. PLoS ONE, 2022, 17, e0265233.	1.1	12
53	New Variants in SARS-CoV-2: What are we Learning from the Omicron Variant?. Archivos De Bronconeumologia, 2022, 58, 3-5.	0.4	2
54	COVIDâ€19: Omicron – the latest, the least virulent, but probably not the last variant of concern of SARSâ€CoVâ€2. Microbial Biotechnology, 2022, 15, 1927-1939.	2.0	41
55	Analytical Sensitivity of Six SARS-CoV-2 Rapid Antigen Tests for Omicron versus Delta Variant. Viruses, 2022, 14, 654.	1.5	44
56	Passive Immunotherapy Against SARS-CoV-2: From Plasma-Based Therapy to Single Potent Antibodies in the Race to Stay Ahead of the Variants. BioDrugs, 2022, 36, 231-323.	2.2	24
58	Reduced Replication Efficacy of Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant in "Mini-gut―Organoids. Gastroenterology, 2022, 163, 514-516.	0.6	15
59	SARS-CoV-2 Omicron variant: recent progress and future perspectives. Signal Transduction and Targeted Therapy, 2022, 7, 141.	7.1	315
60	Tracking SARS-CoV-2 Omicron diverse spike gene mutations identifies multiple inter-variant recombination events. Signal Transduction and Targeted Therapy, 2022, 7, 138.	7.1	140
61	Analysis of SARS-CoV-2 in Nasopharyngeal Samples from Patients with COVID-19 Illustrates Population Variation and Diverse Phenotypes, Placing the Growth Properties of Variants of Concern in Context with Other Lineages. MSphere, 2022, 7, e0091321.	1.3	8
63	SARS-CoV-2 Virion Infectivity and Cytokine Production in Primary Human Airway Epithelial Cells. Viruses, 2022, 14, 951.	1.5	6
64	The rapid replacement of the SARS-CoV-2 Delta variant by Omicron (B.1.1.529) in England. Science Translational Medicine, 2022, 14, eabo5395.	5.8	40
65	SARS-CoV-2 Omicron sublineages show comparable cell entry but differential neutralization by therapeutic antibodies. Cell Host and Microbe, 2022, 30, 1103-1111.e6.	5.1	38

#	Article	IF	Citations
66	Clinical Characteristics of COVID-19 Patients Infected by the Omicron Variant of SARS-CoV-2. Frontiers in Medicine, 2022, 9, .	1.2	39
67	Omicron: increased transmissibility and decreased pathogenicity. Signal Transduction and Targeted Therapy, 2022, 7, 151.	7.1	99
68	When and which patients should receive remdesivir?. Lancet, The, 2022, 399, 1918-1920.	6.3	2
69	Croup during the Coronavirus Disease 2019 Omicron Variant Surge. Journal of Pediatrics, 2022, 247, 147-149.	0.9	26
70	Molnupiravir inhibits SARS-CoV-2 variants including Omicron in the hamster model. JCI Insight, 2022, 7,	2.3	24
71	BNT162b2-induced memory T cells respond to the Omicron variant with preserved polyfunctionality. Nature Microbiology, 2022, 7, 909-917.	5.9	41
72	Identification of potential COVID-19 treatment compounds which inhibit SARS Cov2 prototypic, Delta and Omicron variant infection. Virology, 2022, 572, 64-71.	1.1	12
73	At Least Three Doses of Leading Vaccines Essential for Neutralisation of SARS-CoV-2 Omicron Variant. Frontiers in Immunology, 2022, 13, .	2.2	11
74	<scp>SARS oV</scp> â€2 airway reactivity in children: more of the same?. Anaesthesia, 2022, 77, 956-958.	1.8	1
81	Role of COVID-19 Vaccines in SARS-CoV-2 Variants. Frontiers in Immunology, 2022, 13, .	2.2	37
82	Severe hospital events following symptomatic infection with Sars-CoV-2 Omicron and Delta variants in France, December 2021–January 2022: A retrospective, population-based, matched cohort study. EClinicalMedicine, 2022, 48, 101455.	3.2	49
83	A qualitative RT-PCR assay for the specific identification of the SARS-CoV-2 B.1.1.529 (Omicron) Variant of Concern. Journal of Clinical Virology, 2022, 152, 105191.	1.6	15
84	Clinical severity of COVID-19 in patients admitted to hospital during the omicron wave in South Africa: a retrospective observational study. The Lancet Global Health, 2022, 10, e961-e969.	2.9	120
85	Analyzing and Modeling the Spread of SARS-CoV-2 Omicron Lineages BA.1 and BA.2, France, September 2021–February 2022. Emerging Infectious Diseases, 2022, 28, 1355-1365.	2.0	18
86	Replication of SARS-CoV-2 Omicron BA.2 Variant in <i>Ex Vivo</i> Cultures of the Human Upper and Lower Respiratory Tract. SSRN Electronic Journal, 0, , .	0.4	1
87	Omicron Infection Induces Low-Level, Narrow-Range SARS-CoV-2 Neutralizing Activity. SSRN Electronic Journal, 0, , .	0.4	1
88	Analysis of the Transmission of SARS-CoV-2 Delta VOC in Yantai, China, August 2021. Frontiers in Medicine, 2022, 9, .	1.2	0
91	Protective neutralizing epitopes in SARSâ€CoVâ€2. Immunological Reviews, 2022, 310, 76-92.	2.8	23

#	ARTICLE	IF	Citations
93	Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. Nature Microbiology, 2022, 7, 896-908.	5.9	32
96	Evaluation of Four Point of Care (POC) Antigen Assays for the Detection of the SARS-CoV-2 Variant Omicron. Microbiology Spectrum, 2022, 10, .	1.2	15
97	Differential Pathogenesis of SARS-CoV-2 Variants of Concern in Human ACE2-Expressing Mice. Viruses, 2022, 14, 1139.	1.5	21
98	Multicompartmental Mathematical Model of SARS-CoV-2 Distribution in Human Organs and Their Treatment. Mathematics, 2022, 10, 1925.	1.1	5
99	Outcomes of the SARS-CoV-2 omicron (B.1.1.529) variant outbreak among vaccinated and unvaccinated patients with cancer in Europe: results from the retrospective, multicentre, OnCovid registry study. Lancet Oncology, The, 2022, 23, 865-875.	5.1	50
100	Suite of TMPRSS2 Assays for Screening Drug Repurposing Candidates as Potential Treatments of COVID-19. ACS Infectious Diseases, 2022, 8, 1191-1203.	1.8	4
101	Rear Window—What Can the Gut Tell Us About Long-COVID?. Gastroenterology, 2022, 163, 376-378.	0.6	6
102	The wave of the SARS-CoV-2 Omicron variant resulted in a rapid spike and decline as highlighted by municipal wastewater surveillance. Environmental Technology and Innovation, 2022, 28, 102667.	3.0	22
103	Treating patients infected with the SARS-CoV-2 Omicron variant with a traditional Chinese medicine, Shufeng Jiedu capsule. BioScience Trends, 2022, 16, 238-241.	1.1	12
104	How should designated COVID-19 hospitals in megacities implement a precise management strategy in response to Omicron?. BioScience Trends, 2022, 16, 242-244.	1.1	3
105	The Effects of Vaccination on the DiseaseÂSeverityÂAnd Factors for Viral ClearanceÂAnd Hospitalization in Omicron-InfectedÂPatients:AÂRetrospective Observational Cohort Study from Recent Regional Outbreaks in China. SSRN Electronic Journal, 0, , .	0.4	0
106	The Spike Protein of SARS-CoV-2 Is Adapting Because of Selective Pressures. Vaccines, 2022, 10, 864.	2.1	17
107	Immuno-epidemiology and the predictability of viral evolution. Science, 2022, 376, 1161-1162.	6.0	13
108	Sensitivity to Vaccines, Therapeutic Antibodies, and Viral Entry Inhibitors and Advances To Counter the SARS-CoV-2 Omicron Variant. Clinical Microbiology Reviews, 2022, 35, .	5.7	35
109	ACE2, a drug target for COVID-19 treatment?. Irish Journal of Medical Science, 0, , .	0.8	0
110	Biological Properties of SARS-CoV-2 Variants: Epidemiological Impact and Clinical Consequences. Vaccines, 2022, 10, 919.	2.1	23
111	The past, current and future epidemiological dynamic of SARS-CoV-2. Oxford Open Immunology, 2022, 3,	1.2	24
112	A Newly Engineered A549 Cell Line Expressing ACE2 and TMPRSS2 Is Highly Permissive to SARS-CoV-2, Including the Delta and Omicron Variants. Viruses, 2022, 14, 1369.	1.5	26

#	Article	IF	Citations
113	SARS-CoV-2 Omicron variant causes mild pathology in the upper and lower respiratory tract of hamsters. Nature Communications, 2022, $13$ , .	5.8	73
114	Competition of SARS-CoV-2 Variants in Cell Culture and Tissue: Wins the Fastest Viral Autowave. Vaccines, 2022, 10, 995.	2.1	3
115	Exploring the Role of Serology Testing to Strengthen Vaccination Initiatives and Policies for COVID-19 in Asia Pacific Countries and Territories: A Discussion Paper. International Journal of Translational Medicine, 2022, 2, 275-308.	0.1	1
117	The Awesome Power of Human Genetics of Infectious Disease. Annual Review of Genetics, 2022, 56, 41-62.	3.2	5
118	Hallmarks of Severe COVID-19 Pathogenesis: A Pas de Deux Between Viral and Host Factors. Frontiers in Immunology, 0, 13, .	2.2	10
119	Pathogenicity, transmissibility, and fitness of SARS-CoV-2 Omicron in Syrian hamsters. Science, 2022, 377, 428-433.	6.0	113
120	SARS-CoV-2 Omicron: Light at the End of the Long Pandemic Tunnel or Another False Dawn for Immunodeficient Patients?. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 2267-2273.	2.0	10
121	Reduction in Chest CT Severity and Improved Hospital Outcomes in SARS-CoV-2 Omicron Compared with Delta Variant Infection. Radiology, 2023, 306, 261-269.	3.6	53
122	Immune boosting by B.1.1.529 <b>(</b> Omicron) depends on previous SARS-CoV-2 exposure. Science, 2022, 377, .	6.0	241
123	Severity of SARS-CoV-2 Omicron BA.2 infection in unvaccinated hospitalized children: comparison to influenza and parainfluenza infections. Emerging Microbes and Infections, 2022, 11, 1742-1750.	3.0	43
124	Clinical outcomes associated with SARS-CoV-2 Omicron (B.1.1.529) variant and BA.1/BA.1.1 or BA.2 subvariant infection in Southern California. Nature Medicine, 2022, 28, 1933-1943.	15.2	243
125	BNT162b2 Effectiveness and Durability Against BA.1 and BA.2 Hospital and Emergency Department Admissions in a Large US Health System: A Test-Negative Design. SSRN Electronic Journal, 0, , .	0.4	1
126	SARS-CoV-2 Omicron BA.5: Evolving Tropism and Evasion of Potent Humoral Responses and Resistance to Clinical Immunotherapeutics Relative to Viral Variants of Concern. SSRN Electronic Journal, 0, , .	0.4	3
127	The nervous system during <scp>COVID</scp> ‶9: Caught in the crossfire. Immunological Reviews, 2022, 311, 90-111.	2.8	9
128	Chest CT Findings in Hospitalized Patients with SARS-CoV-2: Delta versus Omicron Variants. Radiology, 2023, 306, 252-260.	3.6	33
129	Development of a novel human CD147 knock-in NSG mouse model to test SARS-CoV-2 viral infection. Cell and Bioscience, 2022, 12, .	2.1	7
131	Case Report: The Experience of Managing a Moderate ARDS Caused by SARS-CoV-2 Omicron BA.2 Variant in Chongqing, China: Can We Do Better?. Frontiers in Medicine, 0, 9, .	1.2	0
132	Evaluation of Two Broadly Used Commercial Methods for Detection of Respiratory Viruses with a Recently Added New Target for Detection of SARS-CoV-2. Viruses, 2022, 14, 1530.	1.5	5

#	Article	IF	Citations
134	Omicron Binding Mode: Contact Analysis and Dynamics of the Omicron Receptor-Binding Domain in Complex with ACE2. Journal of Chemical Information and Modeling, 2022, 62, 3844-3853.	2.5	11
135	COVID-19: Challenges of Viral Variants. Annual Review of Medicine, 2023, 74, 31-53.	5.0	43
136	Reduced Pathogenicity and Transmission Potential of Omicron BA.1 and BA.2 Sublineages Compared with the Early Severe Acute Respiratory Syndrome Coronavirus 2 D614G Variant in Syrian Hamsters. Journal of Infectious Diseases, 2023, 227, 1143-1152.	1.9	16
137	Recent clinical findings on the role of kinase inhibitors in COVID-19 management. Life Sciences, 2022, 306, 120809.	2.0	10
138	Incidence and severity of SARS-CoV-2 infections in liver and kidney transplant recipients in the post-vaccination era: Real-life data from Denmark. American Journal of Transplantation, 2022, 22, 2637-2650.	2.6	22
139	Influence of Nasopharyngeal Viral Load on the Spread of the Omicron BA.2 Variant. Clinical Infectious Diseases, 2023, 76, e514-e517.	2.9	7
140	Guardians of the oral and nasopharyngeal galaxy: <scp>lgA</scp> and protection against <scp>SARSâ€CoV</scp> â€2 infection*. Immunological Reviews, 2022, 309, 75-85.	2.8	32
145	Novel Lateral Flow-Based Assay for Simple and Visual Detection of SARS-CoV-2 Mutations. Frontiers in Cellular and Infection Microbiology, $0,12,.$	1.8	1
146	New SARS-CoV-2 Omicron variant â€" clinical picture, treatment, prevention (literature review). Cardiovascular Therapy and Prevention (Russian Federation), 2022, 21, 3228.	0.4	9
147	Intrinsic generation time of the SARS-CoV-2 Omicron variant: An observational study of household transmission. Lancet Regional Health - Europe, The, 2022, 19, 100446.	3.0	34
148	Progressive membrane-binding mechanism of SARS-CoV-2 variant spike proteins. IScience, 2022, 25, 104722.	1.9	8
149	A severe presentation of breakthrough infection caused by the Omicron variant with radiological findings of COVID-19 pneumonia in an elderly woman. Radiology Case Reports, 2022, 17, 3326-3330.	0.2	2
150	Vitamin D levels and clinical outcomes of SARS-CoV-2 Omicron subvariant BA.2 in children: A longitudinal cohort study. Frontiers in Nutrition, 0, 9, .	1.6	9
151	Cutaneous manifestations of SARS-CoV-2 infection during the Delta and Omicron waves in 348 691 UK users of the UK ZOE COVID Study app. British Journal of Dermatology, 2022, 187, 900-908.	1.4	13
152	Impact of COVID-19 on the liver and on the care of patients with chronic liver disease, hepatobiliary cancer, and liver transplantation: An updated EASL position paper. Journal of Hepatology, 2022, 77, 1161-1197.	1.8	46
153	Alveolar macrophages: Achilles' heel of SARS-CoV-2 infection. Signal Transduction and Targeted Therapy, 2022, 7, .	7.1	15
155	A Case Report of Breakthrough Infections With 2 SARS-CoV-2 Variants in a Lung Transplant Patient. Transplantation Proceedings, 2022, 54, 2698-2701.	0.3	0
156	Risk of Reinfection, Vaccine Protection, and Severity of Infection with the BA.5 Omicron Subvariant: A Danish Nation-Wide Population-Based Study. SSRN Electronic Journal, 0, , .	0.4	17

#	Article	IF	Citations
157	Methylene blue, Mycophenolic acid, Posaconazole, and Niclosamide inhibit SARS-CoV-2 Omicron variant BA.1 infection of human airway epithelial organoids. Current Research in Microbial Sciences, 2022, 3, 100158.	1.4	4
159	The genomic and clinical features of the COVID-19 Omicron variant: a narrative review. F1000Research, 0, 11, 353.	0.8	O
160	Evolution of ACE2-independent SARS-CoV-2 infection and mouse adaption after passage in cells expressing human and mouse ACE2. Virus Evolution, 2022, 8, .	2.2	14
161	SARS-CoV-2 Omicron Induces Enhanced Mucosal Interferon Response Compared to other Variants of Concern, Associated with Restricted Replication in Human Lung Tissues. Viruses, 2022, 14, 1583.	1.5	13
162	Initial observations of Jinhua Qinggan Granules, a Chinese medicine, in the mitigation of hospitalization and mortality in high-risk elderly with COVID-19 infection: A retrospective study in an old age home in Hong Kong. Frontiers in Medicine, 0, 9, .	1.2	5
165	COVID-19 pandemic dynamics in South Africa and epidemiological characteristics of three variants of concern (Beta, Delta, and Omicron). ELife, 0, $11$ , .	2.8	36
166	Heterologous immunity induced by 1st generation COVID-19 vaccines and its role in developing a pan-coronavirus vaccine. Frontiers in Immunology, 0, $13$ , .	2.2	4
167	Intranasal vaccination induced cross-protective secretory IgA antibodies against SARS-CoV-2 variants with reducing the potential risk of lung eosinophilic immunopathology. Vaccine, 2022, 40, 5892-5903.	1.7	6
168	Computational Analysis of Short Linear Motifs in the Spike Protein of SARS-CoV-2 Variants Provides Possible Clues into the Immune Hijack and Evasion Mechanisms of Omicron Variant. International Journal of Molecular Sciences, 2022, 23, 8822.	1.8	1
169	Uninvited Guest: Arrival and Dissemination of Omicron Lineage SARS-CoV-2 in St. Petersburg, Russia. Microorganisms, 2022, 10, 1676.	1.6	5
171	Infection with the Omicron variant of SARS-CoV-2 is associated with less severe disease in hospitalized patients with COVID-19. Journal of Infection, 2022, 85, e152-e154.	1.7	10
173	Recombinant Decoy Exhibits Broad Protection against Omicron and Resistance Potential to Future Variants. Pharmaceuticals, 2022, 15, 1002.	1.7	3
175	Clinical characteristics of pediatric patients with COVID-19 between Omicron era vs. pre-Omicron era. Journal of Infection and Chemotherapy, 2022, 28, 1501-1505.	0.8	14
177	Post COVID-19 condition of the Omicron variant of SARS-CoV-2. Journal of Infection and Chemotherapy, 2022, 28, 1546-1551.	0.8	36
178	Real-world effectiveness of early remdesivir and sotrovimab in the highest-risk COVID-19 outpatients during the Omicron surge. Journal of Antimicrobial Chemotherapy, 2022, 77, 2693-2700.	1.3	41
179	Evolution of throat symptoms during the COVID-19 pandemic in the US. Diagnosis, 2022, .	1.2	4
180	Comparative symptomatology of infection with SARS-CoV-2 variants Omicron (B.1.1.529) and Delta (B.1.617.2) from routine contact tracing data in England. Epidemiology and Infection, 2022, 150, .	1.0	11
181	A fast, ultrasensitive SERS immunoassay to detect SARS-CoV-2 in saliva. Analytica Chimica Acta, 2022, 1229, 340290.	2.6	18

#	Article	IF	Citations
182	Comparison of COVID-19 pneumonia during the SARS-CoV-2 Omicron wave and the previous non-Omicron wave in a single facility. Respiratory Investigation, 2022, 60, 772-778.	0.9	17
183	Introduction, Spread and Impact of the SARS-CoV-2 Omicron Variants BA.1 and BA.2 in Cyprus. Microorganisms, 2022, 10, 1688.	1.6	2
184	A comprehensive modelling approach to estimate the transmissibility of coronavirus and its variants from infected subjects in indoor environments. Scientific Reports, 2022, 12, .	1.6	1
185	Covid-19: is omicron less lethal than delta?. BMJ, The, 0, , o1806.	3.0	20
186	Protective antibodies and TÂcell responses to Omicron variant after the booster dose of BNT162b2 vaccine. Cell Reports Medicine, 2022, 3, 100716.	3.3	16
187	Interferon $\hat{l}_{\pm}$ -2b spray shortened viral shedding time of SARS-CoV-2 Omicron variant: An open prospective cohort study. Frontiers in Immunology, 0, 13, .	2.2	2
188	Potential medicinal plants involved in inhibiting 3CLpro activity: A practical alternate approach to combating COVID-19. Journal of Integrative Medicine, 2022, 20, 488-496.	1.4	4
189	Replication of SARS-CoV-2 Omicron BA.2 variant in ex vivo cultures of the human upper and lower respiratory tract. EBioMedicine, 2022, 83, 104232.	2.7	48
190	Omicron variant (B.1.1.529) and its sublineages: What do we know so far amid the emergence of recombinant variants of SARS-CoV-2?. Biomedicine and Pharmacotherapy, 2022, 154, 113522.	2.5	56
191	SARS-CoV-2 and COVID-19: A Narrative Review. , 0, 79, .		9
193	The importance of booster vaccination in the context of Omicron wave. Frontiers in Immunology, 0, 13, .	2.2	9
194	Laboratory markers of severity across three COVID-19 outbreaks in Australia: has Omicron and vaccinations changed disease presentation?. Internal and Emergency Medicine, 2023, 18, 43-52.	1.0	8
195	Photochemical Identification of Auxiliary Severe Acute Respiratory Syndrome Coronavirus 2 Host Entry Factors Using $1\frac{1}{4}$ Map. Journal of the American Chemical Society, 2022, 144, 16604-16611.	6.6	8
196	Mortality Risk Among Patients Hospitalized Primarily for COVID-19 During the Omicron and Delta Variant Pandemic Periods — United States, April 2020–June 2022. Morbidity and Mortality Weekly Report, 2022, 71, 1182-1189.	9.0	100
198	Molecular dynamics simulations highlight the altered binding landscape at the spike-ACE2 interface between the Delta and Omicron variants compared to the SARS-CoV-2 original strain. Computers in Biology and Medicine, 2022, 149, 106035.	3.9	14
199	SARS-CoV-2 Omicron BA.5: Evolving tropism and evasion of potent humoral responses and resistance to clinical immunotherapeutics relative to viral variants of concern. EBioMedicine, 2022, 84, 104270.	2.7	86
200	The mechanisms of immune response and evasion by the main SARS-CoV-2 variants. IScience, 2022, 25, 105044.	1.9	8
201	Clinical Progression and Outcome of Hospitalized Patients Infected with SARS-CoV-2 Omicron Variant in Shanghai, China. Vaccines, 2022, 10, 1409.	2.1	9

#	Article	IF	CITATIONS
205	"Lymphocyte * Neutrophil―count decreased in <scp>SARSâ€CoV</scp> â€2 Omicron patients in Shanghai with no significant change in <scp>CRP</scp> and <scp>SAA</scp> . Journal of Clinical Laboratory Analysis, 2022, 36, .	0.9	8
206	The Evolving Scenario of COVID-19 in Hemodialysis Patients. International Journal of Environmental Research and Public Health, 2022, 19, 10836.	1.2	3
207	Low SARS-CoV-2 viral load among vaccinated individuals infected with Delta B.1.617.2 and Omicron BA.1.1.529 but not with Omicron BA.1.1 and BA.2 variants. Frontiers in Public Health, 0, 10, .	1.3	7
208	COVID-19 is Observed in Older Children During the Omicron Wave in New York City. Journal of Emergency Medicine, 2023, 64, 195-199.	0.3	4
209	A comprehensive review of BBV152 vaccine development, effectiveness, safety, challenges, and prospects. Frontiers in Immunology, 0, $13$ , .	2.2	7
210	SARS-CoV-2 reinfections during the first three major COVID-19 waves in Bulgaria. PLoS ONE, 2022, 17, e0274509.	1.1	8
211	COVID-19 Vaccine Effectiveness Against Progression to In-Hospital Mortality in Zambia, 2021–2022. Open Forum Infectious Diseases, 2022, 9, .	0.4	7
212	Drug repurposing and sequence analysis in S-glycoprotein variants reveals critical signature patterns and destabilization of receptor-binding domain in omicron variant. Journal of Biomolecular Structure and Dynamics, 2023, 41, 7931-7948.	2.0	0
214	The Spike-Stabilizing D614G Mutation Interacts with S1/S2 Cleavage Site Mutations To Promote the Infectious Potential of SARS-CoV-2 Variants. Journal of Virology, 2022, 96, .	1.5	6
215	Kidney health in the COVID-19 pandemic: An umbrella review of meta-analyses and systematic reviews. Frontiers in Public Health, 0, 10, .	1.3	7
216	Computed Tomographic Imaging Features of COVID-19 Pneumonia Caused by the Delta (B.1.617.2) and Omicron (B.1.1.529) Variant in a German Nested Cohort Pilot Study Group. Tomography, 2022, 8, 2435-2449.	0.8	12
217	Molecular Insights into Striking Antibody Evasion of SARS-CoV-2 Omicron Variant. Chinese Physics Letters, 2022, 39, 108701.	1.3	3
218	Microbiological and Clinical Findings of SARS-CoV-2 Infection after 2 Years of Pandemic: From Lung to Gut Microbiota. Diagnostics, 2022, 12, 2143.	1.3	4
220	Pneumococcal meningitis secondary to otitis media in two patients with COVID-19 omicron variant. International Journal of Emergency Medicine, 2022, 15, .	0.6	5
221	Real-life Evidence of Lower Lung Virulence in COVID-19 Inpatients Infected with SARS-CoV-2 Omicron Variant Compared to Wild-Type and Delta SARS-CoV-2 Pneumonia. Lung, 2022, 200, 573-577.	1.4	11
223	A Study on the Nature of SARS-CoV-2 Using the Shell Disorder Models: Reproducibility, Evolution, Spread, and Attenuation. Biomolecules, 2022, 12, 1353.	1.8	2
224	Virological characteristics of the SARS-CoV-2 Omicron BA.2 subvariants, including BA.4 and BA.5. Cell, 2022, 185, 3992-4007.e16.	13.5	167
225	Outcome of lung transplant recipients infected with SARS-CoV-2/Omicron/B.1.1.529: a Nationwide German study. Infection, 2023, 51, 749-757.	2.3	11

#	Article	IF	CITATIONS
227	Effectiveness and durability of BNT162b2 vaccine against hospital and emergency department admissions due to SARS-CoV-2 omicron sub-lineages BA.1 and BA.2 in a large health system in the USA: a test-negative, case-control study. Lancet Respiratory Medicine, the, 2023, 11, 176-187.	5.2	17
228	A hybrid discrete-continuum model of immune responses to SARS-CoV-2 infection in the lung alveolar region, with a focus on interferon induced innate response. Journal of Theoretical Biology, 2022, 555, 111293.	0.8	5
230	The spike gene is a major determinant for the SARS-CoV-2 Omicron-BA.1 phenotype. Nature Communications, 2022, $13$ , .	5.8	26
233	The human disease gene LYSET is essential for lysosomal enzyme transport and viral infection. Science, 2022, 378, .	6.0	28
234	Immunogenicity, durability, and safety of an mRNA and three platform-based COVID-19 vaccines as a third dose following two doses of CoronaVac in China: A randomised, double-blinded, placebo-controlled, phase 2 trial. EClinicalMedicine, 2022, 54, 101680.	3.2	22
235	SARS-CoV-2 Omicron Variant of Concern: Everything You Wanted to Know about Omicron but Were Afraid to Ask. Yonsei Medical Journal, 2022, 63, 977.	0.9	7
236	Characteristics of post-Wuhan COVID-19 outbreaks in mainland China., 2022, 2, 7.		1
237	Transitional Changes in Fatigue-Related Symptoms Due to Long COVID: A Single-Center Retrospective Observational Study in Japan. Medicina (Lithuania), 2022, 58, 1393.	0.8	9
238	No correlation of neutralizing antibody titers against the Omicron variant after a booster dose of COVID-19 vaccines with subsequent breakthrough Omicron infections among healthcare workers. Journal of Infection, 2022, 85, e177-e180.	1.7	6
240	Antibody protection from SARS-CoV-2 respiratory tract exposure and infection. Journal of Theoretical Biology, 2023, 557, 111334.	0.8	5
242	SARS-CoV-2 Omicron variant is attenuated for replication in a polarized human lung epithelial cell model. Communications Biology, 2022, 5, .	2.0	34
243	Etiology and Epidemiology of Croup before and throughout the COVID-19 Pandemic, 2018–2022, South Korea. Children, 2022, 9, 1542.	0.6	2
244	Exhaled Breath Aerosol Shedding of Highly Transmissible Versus Prior Severe Acute Respiratory Syndrome Coronavirus 2 Variants. Clinical Infectious Diseases, 2023, 76, 786-794.	2.9	22
245	Early pathogenesis profiles across SARS-CoV-2 variants in K18-hACE2 mice revealed differential triggers of lung damages. Frontiers in Immunology, 0, $13$ , .	2.2	1
246	Operative Protocol for Testing the Efficacy of Nasal Filters in Preventing Airborne Transmission of SARS-CoV-2. International Journal of Environmental Research and Public Health, 2022, 19, 13790.	1.2	3
247	Risk of reinfection, vaccine protection, and severity of infection with the BA.5 omicron subvariant: a nation-wide population-based study in Denmark. Lancet Infectious Diseases, The, 2023, 23, 167-176.	4.6	71
248	Omicron SARS-CoV-2 Spike-1 Protein's Decreased Binding Affinity to α7nAChr: Implications for Autonomic Dysregulation of the Parasympathetic Nervous System and the Cholinergic Anti-Inflammatory Pathway—An In Silico Analysis. BioMedInformatics, 2022, 2, 553-564.	1.0	2
249	Comparison of SARS-CoV-2 Viral Loads in the Nasal Mucosa of Patients Infected With BA.1, BA.2, or BA.5 Omicron Lineages. Open Forum Infectious Diseases, 2022, 9, .	0.4	2

#	Article	IF	CITATIONS
251	COVID-19 Symptoms and Duration of Rapid Antigen Test Positivity at a Community Testing and Surveillance Site During Pre-Delta, Delta, and Omicron BA.1 Periods. JAMA Network Open, 2022, 5, e2235844.	2.8	28
252	Characterization of SARS-CoV-2 Omicron BA.4 and BA.5 isolates in rodents. Nature, 2022, 612, 540-545.	13.7	60
253	Using machine learning models to predict the duration of the recovery of COVID-19 patients hospitalized in Fangcang shelter hospital during the Omicron BA. 2.2 pandemic. Frontiers in Medicine, $0, 9, .$	1.2	4
254	Omicron Wave SARS-CoV-2 Diagnosis: Evaluation of Saliva, Anterior Nasal, and Nasopharyngeal Swab Samples. Microbiology Spectrum, 2022, 10, .	1.2	7
255	Variable detection of Omicron-BA.1 and -BA.2 by SARS-CoV-2 rapid antigen tests. Medical Microbiology and Immunology, 2023, 212, 13-23.	2.6	8
256	The effects of vaccination on the disease severity and factors for viral clearance and hospitalization in Omicron-infected patients: A retrospective observational cohort study from recent regional outbreaks in China. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	8
257	SARS-CoV-2 variants: Impact on biological and clinical outcome. Frontiers in Medicine, 0, 9, .	1.2	7
259	Longitudinal analysis of serum neutralization of SARS-CoV-2 Omicron BA.2, BA.4, and BA.5 in patients receiving monoclonal antibodies. Cell Reports Medicine, 2022, 3, 100850.	3.3	32
260	Human early syncytiotrophoblasts are highly susceptible to SARS-CoV-2 infection. Cell Reports Medicine, 2022, 3, 100849.	3.3	12
261	Evaluation of the presence of SARS-CoV-2 in vaginal and anal swabs of women with omicron variants of SARS-CoV-2 infection. Frontiers in Microbiology, 0, 13, .	1.5	1
262	Relative infectivity of the SARS-CoV-2 Omicron variant in human alveolar cells. IScience, 2022, 25, 105571.	1.9	2
263	Variant-specific symptoms of COVID-19 in a study of 1,542,510 adults in England. Nature Communications, 2022, 13, .	5.8	65
264	Titers and breadth of neutralizing antibodies against SARS-CoV-2 variants after heterologous booster vaccination in health care workers primed with two doses of ChAdOx1 nCov-19: A single-blinded, randomized clinical trial. Journal of Clinical Virology, 2022, 157, 105328.	1.6	10
265	Serological fingerprints link antiviral activity of therapeutic antibodies to affinity and concentration. Scientific Reports, 2022, 12, .	1.6	2
266	SARSâ€CoVâ€2 infection in children evaluated in an ambulatory setting during Delta and Omicron time periods. Journal of Medical Virology, 2023, 95, .	2.5	3
267	Analytical performance of the rapid qualitative antigen kit for the detection of SARS-CoV-2 during widespread circulation of the Omicron variant. Journal of Infection and Chemotherapy, 2023, 29, 257-262.	0.8	4
268	Neurological Manifestations of hospitalized patients with mild to moderate infection with SARS-CoV-2 Omicron variant in Shanghai, China. Journal of Infection and Public Health, 2023, 16, 155-162.	1.9	9
269	Severe COVID-19 outcomes in pediatrics: an observational cohort analysis comparing Alpha, Delta, and Omicron variants. The Lancet Regional Health Americas, 2023, 18, 100405.	1.5	26

#	Article	IF	CITATIONS
270	SARS-CoV-2 Omicron Variant Genomic Sequences and Their Epidemiological Correlates Regarding the End of the Pandemic: In Silico Analysis. JMIR Bioinformatics and Biotechnology, 0, 4, e42700.	0.4	2
271	Reaching the Final Endgame for Constant Waves of COVID-19. Viruses, 2022, 14, 2637.	1.5	5
272	Panorama of Breakthrough Infection Caused by SARS-CoV-2: A Review. Medicina (Lithuania), 2022, 58, 1733.	0.8	2
273	Rationale for Use of Sphingosine-1-Phosphate Receptor Modulators in COVID-19 Patients: Overview of Scientific Evidence. Journal of Interferon and Cytokine Research, 2023, 43, 246-256.	0.5	4
275	Antibody Titer Correlates with Omicron Infection in Vaccinated Healthcare Workers. Viruses, 2022, 14, 2605.	1.5	3
276	COVID-19 Pneumonia: Clinical Manifestations. Clinics in Chest Medicine, 2022, , .	0.8	0
277	Comparing the demographics and laboratory biomarkers of the COVID-19 Omicron wave and the Alpha wave in a predominantly Afro-Caribbean patient population in New York City. Pneumonia (Nathan Qld ), 2022, 14, .	2.5	1
278	Identifying susceptibility of children and adolescents to the Omicron variant (B.1.1.529). BMC Medicine, 2022, 20, .	2.3	13
279	Humoral immunity and B-cell memory in response to SARS-CoV-2 infection and vaccination. Biochemical Society Transactions, 2022, 50, 1643-1658.	1.6	6
280	Replacement dynamics and the pathogenesis of the Alpha, Delta and Omicron variants of SARS-CoV-2. Epidemiology and Infection, 2023, 151, .	1.0	3
281	The impact of variant and vaccination on SARS-CoV-2 symptomatology; three prospective household cohorts. International Journal of Infectious Diseases, 2022, , .	1.5	5
283	Trends in Cases, Hospitalizations, and Mortality Related to the Omicron BA.4/BA.5 Subvariants in South Africa. Clinical Infectious Diseases, 2023, 76, 1468-1475.	2.9	15
284	Broadly neutralizing and protective nanobodies against SARS-CoV-2 Omicron subvariants BA.1, BA.2, and BA.4/5 and diverse sarbecoviruses. Nature Communications, 2022, 13, .	5.8	17
285	Molecular Pathogenesis of Fibrosis, Thrombosis and Surfactant Dysfunction in the Lungs of Severe COVID-19 Patients. Biomolecules, 2022, 12, 1845.	1.8	5
286	Understanding the challenges to COVID-19 vaccines and treatment options, herd immunity and probability of reinfection. Journal of Taibah University Medical Sciences, 2023, 18, 600-638.	0.5	1
287	Genome Evolution and Early Introductions of the SARS-CoV-2 Omicron Variant in Mexico. Virus Evolution, 2022, 8, .	2.2	3
288	Comparison of Clinical Presentation and Vaccine Effectiveness Among Omicron and Non-omicron SARS Coronavirus-2 Patients. Cureus, 2022, , .	0.2	3
289	SARS-CoV-2 Spike Protein Induces Hemagglutination: Implications for COVID-19 Morbidities and Therapeutics and for Vaccine Adverse Effects. International Journal of Molecular Sciences, 2022, 23, 15480.	1.8	7

#	Article	IF	CITATIONS
290	A delicate balance between antibody evasion and ACE2 affinity for Omicron BA.2.75. Cell Reports, 2023, 42, 111903.	2.9	34
291	Post COVID-19 irritable bowel syndrome. Gut, 2023, 72, 484-492.	6.1	17
292	A randomized, placebo-controlled pilot study of upamostat, a host-directed serine protease inhibitor, for outpatient treatment of COVID-19. International Journal of Infectious Diseases, 2023, 128, 148-156.	1.5	2
293	Population-Based Analysis of the Immunoglobulin G Response to Different COVID-19 Vaccines in Brazil. Vaccines, 2023, 11, 21.	2.1	0
294	Recent developments in the immunopathology of <scp>COVID</scp> â€19. Allergy: European Journal of Allergy and Clinical Immunology, 2023, 78, 369-388.	2.7	33
295	Three-dose vaccination-induced immune responses protect against SARS-CoV-2 Omicron BA.2: a population-based study in Hong Kong. The Lancet Regional Health - Western Pacific, 2023, 32, 100660.	1.3	9
296	Alpha and Omicron SARS-CoV-2 Adaptation in an Upper Respiratory Tract Model. Viruses, 2023, 15, 13.	1.5	1
297	Risk of SARS-CoV-2 reinfection: a systematic review and meta-analysis. Scientific Reports, 2022, 12, .	1.6	18
298	Clinical Epidemiology of Pediatric Coronavirus Disease 2019 and its Postacute Sequelae. Seminars in Respiratory and Critical Care Medicine, 2023, 44, 066-074.	0.8	0
299	Mucociliary transport deficiency and disease progression in Syrian hamsters with SARS-CoV-2 infection. JCI Insight, 2023, 8, .	2.3	6
300	A Detailed Overview of SARS-CoV-2 Omicron: Its Sub-Variants, Mutations and Pathophysiology, Clinical Characteristics, Immunological Landscape, Immune Escape, and Therapies. Viruses, 2023, 15, 167.	1.5	87
301	Spike and nsp6 are key determinants of SARS-CoV-2 Omicron BA.1 attenuation. Nature, 2023, 615, 143-150.	13.7	52
303	Attenuation and Degeneration of SARS-CoV-2 Despite Adaptive Evolution. Cureus, 2023, , .	0.2	0
304	Risk Factors of Severe COVID-19: A Review of Host, Viral and Environmental Factors. Viruses, 2023, 15, 175.	1.5	33
305	New RT-PCR Assay for the Detection of Current and Future SARS-CoV-2 Variants. Viruses, 2023, 15, 206.	1.5	11
306	Rapid transmission and tight bottlenecks constrain the evolution of highly transmissible SARS-CoV-2 variants. Nature Communications, $2023$ , $14$ , .	5.8	17
307	An Integrated Radiologic-Pathologic Understanding of COVID-19 Pneumonia. Radiology, 2023, 306, .	3.6	11
308	Analysis of SARS-CoV-2 Cases, COVID-19 Outcomes and Vaccinations, during the Different SARS-CoV-2 Variants in Greece. Vaccines, 2023, 11, 126.	2.1	2

#	Article	IF	CITATIONS
309	Mapping of functional SARS-CoV-2 receptors in human lungs establishes differences in variant binding and SLC1A5 as a viral entry modulator of hACE2. EBioMedicine, 2023, 87, 104390.	2.7	3
310	Clinical characteristics and risk factors analysis of viral shedding time in mildly symptomatic and asymptomatic patients with SARS-CoV-2 Omicron variant infection in Shanghai. Frontiers in Public Health, 0, 10, .	1.3	3
312	Human Coronavirus Cell Receptors Provide Challenging Therapeutic Targets. Vaccines, 2023, 11, 174.	2.1	2
313	SARS-CoV-2 variant biology: immune escape, transmission and fitness. Nature Reviews Microbiology, 0, ,	13.6	160
314	Effect of nasal irrigation in adults infected with Omicron variant of COVID-19: A quasi-experimental study. Frontiers in Public Health, $0,10,10$	1.3	3
315	Genomic surveillance of SARS-CoV-2 upsurge in India due to Omicron sub-lineages BA.2.74, BA.2.75 and BA.2.76. , 2023, 11, 100148.		2
316	Potential of green tea EGCG in neutralizing SARS-CoV-2 Omicron variant with greater tropism toward the upper respiratory tract. Trends in Food Science and Technology, 2023, 132, 40-53.	7.8	12
318	Intrinsic D614G and P681R/H mutations in SARS-CoV-2 VoCs Alpha, Delta, Omicron and viruses with D614G plus key signature mutations in spike protein alters fusogenicity and infectivity. Medical Microbiology and Immunology, 2023, 212, 103-122.	2.6	18
319	The frequency of defective genomes in Omicron differs from that of the Alpha, Beta and Delta variants. Scientific Reports, 2022, 12, .	1.6	1
320	Huashi baidu granule in the treatment of pediatric patients with mild coronavirus disease 2019: A single-center, open-label, parallel-group randomized controlled clinical trial. Frontiers in Pharmacology, 0, 14, .	1.6	1
322	SARS-CoV-2 Vaccination and Clinical Presentation of COVID-19 in Patients Hospitalized during the Delta- and Omicron-Predominant Periods. Journal of Clinical Medicine, 2023, 12, 961.	1.0	1
324	The D405N Mutation in the Spike Protein of SARS-CoV-2 Omicron BA.5 Inhibits Spike/Integrins Interaction and Viral Infection of Human Lung Microvascular Endothelial Cells. Viruses, 2023, 15, 332.	1.5	5
325	SARS-CoV-2 Omicron (B.1.1.529) Variant: A Challenge with COVID-19. Diagnostics, 2023, 13, 559.	1.3	12
328	Comparison of culture-competent virus shedding duration of SARS-CoV-2 Omicron variant in regard to vaccination status: A prospective cohort study. Vaccine, 2023, 41, 2769-2772.	1.7	2
329	Clinical outcomes and phylogenetic analysis in reflection with three predominant clades of <scp>SARSâ€CoV</scp> â€2 variants. European Journal of Clinical Investigation, 2023, 53, .	1.7	12
330	CFD modelling of infection control in indoor environments: A focus on room-level air recirculation systems. Energy and Buildings, 2023, 288, 113033.	3.1	6
331	SARS-CoV-2 Omicron variant shedding during respiratory activities. International Journal of Infectious Diseases, 2023, 131, 19-25.	1.5	5
332	Discovery of novel papain-like protease inhibitors for potential treatment of COVID-19. European Journal of Medicinal Chemistry, 2023, 254, 115380.	2.6	4

#	Article	IF	CITATIONS
333	Modeling identifies variability in SARS-CoV-2 uptake and eclipse phase by infected cells as principal drivers of extreme variability in nasal viral load in the 48Âh post infection. Journal of Theoretical Biology, 2023, 565, 111470.	0.8	5
334	Assessing Transmission Risks of SARS-COV-2 Omicron Variant In U.S. School Facilities and Mitigation Measures. , 2022, , .		0
335	Cardiologic Manifestations in Omicronâ€Type Versus Wildâ€Type COVIDâ€19: A Systematic Echocardiographic Study. Journal of the American Heart Association, 2023, 12, .	1.6	5
336	Insight into SARS-CoV-2 Omicron variant immune escape possibility and variant independent potential therapeutic opportunities. Heliyon, 2023, 9, e13285.	1.4	4
337	Chronological changes of viral shedding in adult inpatients with Omicron infection in Shanghai, China. Frontiers in Immunology, 0, $14$ , .	2.2	2
338	Clinical Outcomes of Omicron Variant (B.1.1.529) Infection in Children and Adolescents Hospitalized With COVID-19 in Brazil With Observational Data on the Efficacy of the Vaccines in Adolescents. Pediatric Infectious Disease Journal, 2023, 42, 218-225.	1.1	4
339	SARS-CoV-2 humoral and cellular immunity following different combinations of vaccination and breakthrough infection. Nature Communications, $2023,14,.$	5 <b>.</b> 8	25
340	SARS-CoV-2 Omicron Subvariants Balance Host Cell Membrane, Receptor, and Antibody Docking via an Overlapping Target Site. Viruses, 2023, 15, 447.	1.5	1
341	A Protein Co-Conservation Network Model Characterizes Mutation Effects on SARS-CoV-2 Spike Protein. International Journal of Molecular Sciences, 2023, 24, 3255.	1.8	4
342	Evaluation of possible COVID-19 reinfection in children: A multicenter clinical study. Archives De Pediatrie, 2023, 30, 187-191.	0.4	2
343	Evaluation of COVID-19 vaccines in primary prevention against infections and reduction in severity of illness following the outbreak of SARS-CoV-2 omicron variant in Shanghai. Frontiers in Medicine, 0, 10, .	1.2	3
344	Inflammatory Biomarkers Differ among Hospitalized Veterans Infected with Alpha, Delta, and Omicron SARS-CoV-2 Variants. International Journal of Environmental Research and Public Health, 2023, 20, 2987.	1.2	5
345	The risk of mortality and severe illness in patients infected with the omicron variant relative to delta variant of SARS-CoV-2: a systematic review and meta-analysis. Irish Journal of Medical Science, 2023, 192, 2897-2904.	0.8	2
346	SARS-CoV-2 BA.2 (Omicron) variant infection in pediatric liver transplanted recipients and cohabitants during 2022 Shanghai outbreak: a prospective cohort. Virology Journal, 2023, 20, .	1.4	2
347	Comparing SARS-CoV-2 variants among children and adolescents in Germany: relative risk of COVID-19-related hospitalization, ICU admission and mortality. Infection, 2023, 51, 1357-1367.	2.3	7
348	COVID-19 Cluster in the Hematology/Respirology Ward of a University Hospital during the Seventh Wave of the SARS-CoV-2 Pandemic in Japan: A Descriptive Study. Internal Medicine, 2023, , .	0.3	0
349	A novel antiviral formulation containing caprylic acid inhibits SARS-CoV-2 infection of a human bronchial epithelial cell model. Journal of General Virology, 2023, 104, .	1.3	2
350	Clinical Characteristics and Outcomes of Children With SARS-CoV-2 Infection During the Delta and Omicron Variant-Dominant Periods in Korea. Journal of Korean Medical Science, 2023, 38, .	1.1	12

#	Article	IF	CITATIONS
351	Computational analysis of the sequence-structure relation in SARS-CoV-2 spike protein using protein contact networks. Scientific Reports, 2023, $13$ , .	1.6	5
352	Integrative network pharmacology and in silico analyses identify the anti-omicron SARS-CoV-2 potential of eugenol. Heliyon, 2023, 9, e13853.	1.4	4
353	Comparison of clinical characteristics and outcomes of critically ill adults with SARS-CoV-2 infection during Delta and Omicron variant predominance periods: a single-hospital retrospective cohort study. BMJ Open Respiratory Research, 2023, 10, e001274.	1.2	1
354	Molnupiravir: A Versatile Prodrug against SARS-CoV-2 Variants. Metabolites, 2023, 13, 309.	1.3	13
355	Children's Symptoms with a Febrile Illness and a Positive or Negative Test of SARS-CoV-2 during the Omicron Wave. Children, 2023, 10, 419.	0.6	1
357	Trend and Co-occurrence Network of COVID-19 Symptoms From Large-Scale Social Media Data: Infoveillance Study. Journal of Medical Internet Research, 0, 25, e45419.	2.1	1
358	BA.1, BA.2 and BA.2.75 variants show comparable replication kinetics, reduced impact on epithelial barrier and elicit cross-neutralizing antibodies. PLoS Pathogens, 2023, 19, e1011196.	2.1	6
359	Lung tropism in hospitalized patients following infection with SARS-CoV-2 variants from D614G to Omicron BA.2. Communications Medicine, 2023, 3, .	1.9	5
360	Variants of SARS-CoV-2: Influences on the Vaccines' Effectiveness and Possible Strategies to Overcome Their Consequences. Medicina (Lithuania), 2023, 59, 507.	0.8	5
361	Intranasal Boosting with Spike Fc-RBD of Wild-Type SARS-CoV-2 Induces Neutralizing Antibodies against Omicron Subvariants and Reduces Viral Load in the Nasal Turbinate of Mice. Viruses, 2023, 15, 687.	1.5	4
362	Different clinical features in Malawian outpatients presenting with COVID-19 prior to and during Omicron variant dominance: A prospective observational study. PLOS Global Public Health, 2023, 3, e0001575.	0.5	2
363	Comparison of Symptoms Associated With SARS-CoV-2 Variants Among Children in Canada. JAMA Network Open, 2023, 6, e232328.	2.8	15
365	Transmission of SARS-CoV-2 Omicron Variant under a Dynamic Clearance Strategy in Shandong, China. Microbiology Spectrum, 2023, 11, .	1.2	2
366	Research progress in spike mutations of SARSâ€CoVâ€2 variants and vaccine development. Medicinal Research Reviews, 2023, 43, 932-971.	5.0	7
367	Clinical outcomes of the severe acute respiratory syndrome coronavirus 2 Omicron and Delta variant: systematic review and meta-analysis of 33 studies covering 6Â037Â144 coronavirus disease 2019–positive patients. Clinical Microbiology and Infection, 2023, 29, 835-844.	2.8	29
369	Omicronâ€induced interferon signaling prevents influenza A H1N1 and H5N1 virus infection. Journal of Medical Virology, 2023, 95, .	2.5	3
370	Binding and inactivation of human coronaviruses, including SARS-CoV-2, onto purified clinoptilolite-tuff. Scientific Reports, 2023, 13, .	1.6	0
371	Characterization of SARS-CoV-2 Omicron BA.2.75 clinical isolates. Nature Communications, 2023, 14, .	5.8	11

#	Article	IF	CITATIONS
372	A Phase 1, Randomized, Double-Blinded, Placebo-Controlled and Dose-Escalation Study to Evaluate the Safety and Immunogenicity of the Intranasal DelNS1-nCoV-RBD LAIV for COVID-19 in Healthy Adults. Vaccines, 2023, 11, 723.	2.1	3
373	Impact of Changes in Human Airway Epithelial Cellular Composition and Differentiation on SARS-CoV-2 Infection Biology. Journal of Innate Immunity, 2023, 15, 562-580.	1.8	2
374	The Isolation and In Vitro Differentiation of Primary Fetal Baboon Tracheal Epithelial Cells for the Study of SARS-CoV-2 Host-Virus Interactions. Viruses, 2023, 15, 862.	1.5	2
375	Emergence and antibody evasion of BQ, BA.2.75 and SARS-CoV-2 recombinant sub-lineages in the face of maturing antibody breadth at the population level. EBioMedicine, 2023, 90, 104545.	2.7	17
376	SARS-CoV-2 Variants Show Different Host Cell Proteome Profiles With Delayed Immune Response Activation in Omicron-Infected Cells. Molecular and Cellular Proteomics, 2023, 22, 100537.	2.5	2
378	The disease severity of COVID-19 caused by Omicron variants: A brief review. Annals of Clinical Epidemiology, 2023, 5, 31-36.	0.3	2
379	Within-host genetic diversity of SARS-CoV-2 lineages in unvaccinated and vaccinated individuals. Nature Communications, 2023, 14, .	5.8	10
380	Role of Fokl rs2228570 and Tru9I rs757343 Polymorphisms in the Mortality of Patients Infected with Different Variants of SARS-CoV-2. Archives of Medical Research, 2023, 54, 310-318.	1.5	5
381	Clinical Characteristics of SARS-CoV-2 Omicron Cases in Pune, Maharashtra, India. Cureus, 2023, , .	0.2	0
382	The evolution of SARS-CoV-2. Nature Reviews Microbiology, 2023, 21, 361-379.	13.6	239
383	Development and external validation of prediction models for critical outcomes of unvaccinated COVID-19 patients based on demographics, medical conditions and dental status. Heliyon, 2023, 9, e15283.	1.4	0
384	SARS-CoV-2 infection aggravates cigarette smoke-exposed cell damage in primary human airway epithelia. Virology Journal, 2023, 20, .	1.4	4
385	Intranasal booster using an Omicron vaccine confers broad mucosal and systemic immunity against SARS-CoV-2 variants. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	11
386	Gut distress and intervention via communications of SARS-CoV-2 with mucosal exposome. Frontiers in Public Health, 0, $11$ , .	1.3	0
387	Enhanced evasion of neutralizing antibody response by Omicron XBB.1.5, CH.1.1, and CA.3.1 variants. Cell Reports, 2023, 42, 112443.	2.9	59
388	Associations between SARS-CoV-2 infection and incidence of new chronic condition diagnoses: a systematic review. Emerging Microbes and Infections, 2023, 12, .	3.0	3
390	Plasmablasts in previously immunologically na $\tilde{\mathbb{A}}$ -ve COVID-19 patients express markers indicating mucosal homing and secrete antibodies cross-reacting with SARS-CoV-2 variants and other beta-coronaviruses. Clinical and Experimental Immunology, 0, , .	1.1	0
391	Therapeutic strategies for COVID-19: progress and lessons learned. Nature Reviews Drug Discovery, 2023, 22, 449-475.	21.5	112

#	Article	IF	CITATIONS
392	Trends in Severe Outcomes Among Adult and Pediatric Patients Hospitalized With COVID-19 in the Canadian Nosocomial Infection Surveillance Program, March 2020 to May 2022. JAMA Network Open, 2023, 6, e239050.	2.8	8
393	Toward a pan-SARS-CoV-2 vaccine targeting conserved epitopes on spike and non-spike proteins for potent, broad and durable immune responses. PLoS Pathogens, 2023, 19, e1010870.	2.1	11
394		0.9	0
400	Accelerating antiviral drug discovery: lessons from COVID-19. Nature Reviews Drug Discovery, 2023, 22, 585-603.	21.5	25
403	Evolutionary characteristics of SARS-CoV-2 Omicron subvariants adapted to the host. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	3
444	Epidemiology, clinical presentation, pathophysiology, and management of long COVID: an update. Molecular Psychiatry, 2023, 28, 4056-4069.	4.1	6
497	Understanding the Omicron Variant in the COVID-19 Pandemic. , 0, , .		0
536	SARS-CoV-2 biology and host interactions. Nature Reviews Microbiology, 2024, 22, 206-225.	13.6	1
540	Importance of Timely Sequencing, Tracking, and Surveillance of Emergent Variants., 2024, , 166-193.		O