

Public health actions to control new SARS-CoV-2 varian

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Citation Report

#	ARTICLE	IF	CITATIONS
10	Estimation of Secondary Household Attack Rates for Emergent Spike L452R Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants Detected by Genomic Surveillance at a Community-Based Testing Site in San Francisco. <i>Clinical Infectious Diseases</i> , 2022, 74, 32-39.	5.8	39
11	SARS-CoV-2 variants: a new challenge to convalescent serum and mRNA vaccine neutralization efficiency. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 151.	17.1	17
18	Kinetics of Neutralizing Antibodies of COVID-19 Patients Tested Using Clinical D614G, B.1.1.7, and B.1.351 Isolates in Microneutralization Assays. <i>Viruses</i> , 2021, 13, 996.	3.3	14
20	Case Report: Early Transcontinental Import of SARS-CoV-2 Variant of Concern 202012/01 (B.1.1.7) From Europe to Uruguay. <i>Frontiers in Virology</i> , 2021, 1, .	1.4	1
21	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. <i>Cell</i> , 2021, 184, 2595-2604.e13.	28.9	113
22	Population (Antibody) Testing for COVID-19—Technical Challenges, Application and Relevance, an English Perspective. <i>Vaccines</i> , 2021, 9, 550.	4.4	6
24	Computational Capacity Analysis of Platforms for Low-Cost Autonomous Ultraviolet Germicidal Robots. , 2021, , .		1
25	Proliferation of SARS-CoV-2 B.1.1.7 Variant in Pakistan-A Short Surveillance Account. <i>Frontiers in Public Health</i> , 2021, 9, 683378.	2.7	4
26	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. <i>Lancet Public Health</i> , The, 2021, 6, e335-e345.	10.0	269
29	Quantifying the Impact of Lifting Community Nonpharmaceutical Interventions for COVID-19 During Vaccination Rollout in the United States. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab341.	0.9	6
30	Up State of the SARS-COV-2 Spike Homotrimer Favors an Increased Virulence for New Variants. <i>Frontiers in Medical Technology</i> , 2021, 3, 694347.	2.5	22
33	Controlling the pandemic during the SARS-CoV-2 vaccination rollout. <i>Nature Communications</i> , 2021, 12, 3674.	12.8	98
37	Personalized health and the coronavirus vaccines—Do individual genetics matter?. <i>BioEssays</i> , 2021, 43, e2100087.	2.5	9
39	COVID-19 en los trabajadores de salud del Instituto Autónomo Hospital Universitario de Los Andes en Mérida, Venezuela. <i>Investigacion Clinica</i> , 0, , 43-57.	0.0	0
43	Accuracy in Near-Perfect Virus Phylogenies. <i>Systematic Biology</i> , 2022, 71, 426-438.	5.6	8
45	Implementation of a pooled surveillance testing program for asymptomatic SARS-CoV-2 infections in K-12 schools and universities. <i>EClinicalMedicine</i> , 2021, 38, 101028.	7.1	41
46	Mass spectrometry-based proteomics in basic and translational research of SARS-CoV-2 coronavirus and its emerging mutants. <i>Clinical Proteomics</i> , 2021, 18, 19.	2.1	12
47	SARS-CoV-2 Tests: Bridging the Gap between Laboratory Sensors and Clinical Applications. <i>ACS Sensors</i> , 2021, 6, 2815-2837.	7.8	24

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48	The lag in SARS-CoV-2 genome submissions to GISAID. <i>Nature Biotechnology</i> , 2021, 39, 1058-1060.	17.5	47
50	Wastewater surveillance of SARS-CoV-2 across 40 U.S. states from February to June 2020. <i>Water Research</i> , 2021, 202, 117400.	11.3	119
51	An ultrapotent pan- β -coronavirus lineage B (β -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.	11.0	25
53	The next phase of SARS-CoV-2 surveillance: real-time molecular epidemiology. <i>Nature Medicine</i> , 2021, 27, 1518-1524.	30.7	178
54	A Simple Reverse Transcriptase PCR Melting-Temperature Assay To Rapidly Screen for Widely Circulating SARS-CoV-2 Variants. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0084521.	3.9	48
55	Trajectory of Growth of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants in Houston, Texas, January through May 2021, Based on 12,476 Genome Sequences. <i>American Journal of Pathology</i> , 2021, 191, 1754-1773.	3.8	26
57	Mobility as a driver of severe acute respiratory syndrome coronavirus 2 in cancer patients during the second coronavirus disease 2019 pandemic wave. <i>International Journal of Cancer</i> , 2022, 150, 431-439.	5.1	4
59	Stabilized coronavirus spike stem elicits a broadly protective antibody. <i>Cell Reports</i> , 2021, 37, 109929.	6.4	64
60	In Vitro Effect of Taraxacum officinale Leaf Aqueous Extract on the Interaction between ACE2 Cell Surface Receptor and SARS-CoV-2 Spike Protein D614 and Four Mutants. <i>Pharmaceuticals</i> , 2021, 14, 1055.	3.8	13
62	Mutations in SARS-CoV-2 genomes and future strategies. <i>Clinical Epidemiology and Global Health</i> , 2021, 12, 100875.	1.9	0
63	Data-driven analysis of amino acid change dynamics timely reveals SARS-CoV-2 variant emergence. <i>Scientific Reports</i> , 2021, 11, 21068.	3.3	15
64	The Emergence of Sars-CoV-2 Variant Lambda (C.37) in South America. <i>Microbiology Spectrum</i> , 2021, 9, e0078921.	3.0	54
65	University students' adherence and vaccination attitudes during the COVID-19 pandemic: Focusing on costs and benefits. <i>Applied Psychology: Health and Well-Being</i> , 2021, , .	3.0	3
66	Antibody neutralization to SARS-CoV-2 and variants after 1 year in Wuhan, China. <i>Innovation(China)</i> , 2022, 3, 100181.	9.1	8
67	High throughput nanopore sequencing of SARS-CoV-2 viral genomes from patient samples. <i>Journal of Biological Methods</i> , 2021, 8, e155.	0.6	9
68	Revisiting COVID-19 policies: 10 evidence-based recommendations for where to go from here. <i>BMC Public Health</i> , 2021, 21, 2084.	2.9	30
70	Comparison of Clinical Characteristics and Outcome of Critically Ill Patients Admitted to Tertiary Care Intensive Care Units in India during the Peak Months of First and Second Waves of COVID-19 Pandemic: A Retrospective Analysis. <i>Indian Journal of Critical Care Medicine</i> , 2021, 25, 1349-1356.	0.9	6
72	Effects of COVID-19 on Variations of Taxpayers in Tourism-Reliant Regions: The Case of the Mexican Caribbean. <i>Journal of Risk and Financial Management</i> , 2021, 14, 578.	2.3	3

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73	Spike Protein Cleavage-Activation Mediated by the SARS-CoV-2 P681R Mutation: A Case-Study From Its First Appearance in Variant of Interest (VOI) A.23.1 Identified in Uganda. SSRN Electronic Journal, 0, , .	0.4	8
74	Point-of-Care Platform for Rapid Multiplexed Detection of SARS-CoV-2 Variants and Respiratory Pathogens. Advanced Materials Technologies, 2022, 7, 2101013.	5.8	18
75	Sequencing SARS-CoV-2 genomes from saliva. Virus Evolution, 2022, 8, veab098.	4.9	4
76	Modeling the Transmission of the SARS-CoV-2 Delta Variant in a Partially Vaccinated Population. Viruses, 2022, 14, 158.	3.3	6
77	An encodable multiplex microsphere-phase amplification sensing platform detects SARS-CoV-2 mutations. Biosensors and Bioelectronics, 2022, 203, 114032.	10.1	7
78	Early-stage spatial disease surveillance of novel SARS-CoV-2 variants of concern in Germany with crowdsourced data. Scientific Reports, 2022, 12, 899.	3.3	8
79	Review on molnupiravir as a promising oral drug for the treatment of COVID-19. Medicinal Chemistry Research, 2022, 31, 232-243.	2.4	32
80	Spatial congruency or mismatch? Analyzing the COVID-19 potential infection risk and urban density as businesses reopen. Cities, 2022, 123, 103615.	5.6	9
81	Multiple expansions of globally uncommon SARS-CoV-2 lineages in Nigeria. Nature Communications, 2022, 13, 688.	12.8	23
83	Development and Validation of Two RT-qPCR Diagnostic Assays for Detecting Severe Acute Respiratory Syndrome Coronavirus 2 Genomic Targets across Two Specimen Types. Journal of Molecular Diagnostics, 2022, 24, 294-308.	2.8	3
85	SARS-CoV-2 spreads through cell-to-cell transmission. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	145
87	Large-scale analysis of SARS-CoV-2 synonymous mutations reveals the adaptation to the human codon usage during the virus evolution. Virus Evolution, 2022, 8, veac026.	4.9	15
88	Communicate hope to motivate the public during the COVID-19 pandemic. Scientific Reports, 2022, 12, 2502.	3.3	14
89	How to organise travel restrictions in the new future: lessons from the COVID-19 response in Hong Kong and Singapore. BMJ Global Health, 2022, 7, e006975.	4.7	4
90	The University of Padua salivary-based SARS-CoV-2 surveillance program minimized viral transmission during the second and third pandemic wave. BMC Medicine, 2022, 20, 96.	5.5	6
91	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA. Cell Reports Medicine, 2022, 3, 100583.	6.5	101
92	A New Way to Trace SARS-CoV-2 Variants Through Weighted Network Analysis of Frequency Trajectories of Mutations. Frontiers in Microbiology, 2022, 13, 859241.	3.5	5
93	Spatiotemporal Analyses of 2 Co-Circulating SARS-CoV-2 Variants, New York State, USA. Emerging Infectious Diseases, 2022, 28, 650-659.	4.3	5

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94	Design of SARS-CoV-2 Variant-Specific PCR Assays Considering Regional and Temporal Characteristics. Applied and Environmental Microbiology, 2022, 88, e0228921.	3.1	12
95	Main protease mutants of SARS-CoV-2 variants remain susceptible to nirmatrelvir. Bioorganic and Medicinal Chemistry Letters, 2022, 62, 128629.	2.2	131
96	Acquired insights from the long-term surveillance of SARS-CoV-2 RNA for COVID-19 monitoring: The case of Monterrey Metropolitan Area (Mexico). Environmental Research, 2022, 210, 112967.	7.5	11
99	A Look at COVID-19 Global Health Situation, 1-Year Post Declaration of the Pandemic. Microbiology Insights, 2022, 15, 117863612210897.	2.0	2
100	Nudging physical distancing behaviors during the pandemic: a field experiment on passengers in the subway stations of shiraz, Iran. BMC Public Health, 2022, 22, 702.	2.9	1
101	Highly accurate whole-genome imputation of SARS-CoV-2 from partial or low-quality sequences. GigaScience, 2021, 10, .	6.4	2
102	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota. Communications Biology, 2022, 5, 439.	4.4	9
103	Predicting the Disease Severity of Virus Infection. Advances in Experimental Medicine and Biology, 2022, 1368, 111-139.	1.6	0
104	AI in Combating the COVID-19 Pandemic. IEEE Intelligent Systems, 2022, 37, 3-13.	4.0	12
105	COVID-19 management landscape: A need for an affordable platform to manufacture safe and efficacious biotherapeutics and prophylactics for the developing countries. Vaccine, 2022, 40, 5302-5312.	3.8	5
106	Pandemic preparedness means policy makers need to work with social scientists. Lancet, The, 2022, 400, 547-549.	13.7	8
107	Stability and Numerical Simulations of a New SVIR Model with Two Delays on COVID-19 Booster Vaccination. Mathematics, 2022, 10, 1772.	2.2	3
108	Neutralization mechanism of a human antibody with pan-coronavirus reactivity including SARS-CoV-2. Nature Microbiology, 2022, 7, 1063-1074.	13.3	63
109	Spike Protein Cleavage-Activation in the Context of the SARS-CoV-2 P681R Mutation: an Analysis from Its First Appearance in Lineage A.23.1 Identified in Uganda. Microbiology Spectrum, 2022, 10, .	3.0	20
110	Riding the Pandemic Waves—Lessons to Be Learned from the COVID-19 Crisis Management in Romania. Tropical Medicine and Infectious Disease, 2022, 7, 122.	2.3	5
111	Inhibition of a broad range of SARS-CoV-2 variants by antiviral phytochemicals in hACE2 mice. Antiviral Research, 2022, 204, 105371.	4.1	3
112	A motley of possible therapies of the COVID-19: reminiscing the origin of the pandemic. Environmental Science and Pollution Research, 2022, 29, 67685-67703.	5.3	8
115	Fatality assessment and variant risk monitoring for COVID-19 using three new hospital occupancy related metrics. EBioMedicine, 2022, 83, 104225.	6.1	2

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116	The history, mechanism, and perspectives of nirmatrelvir (PF-07321332): an orally bioavailable main protease inhibitor used in combination with ritonavir to reduce COVID-19-related hospitalizations. Medicinal Chemistry Research, 2022, 31, 1637-1646.	2.4	45
118	Immunomolecular assay based on selective virion capture by spike antibody and viral nucleic acid amplification for detecting intact SARS-CoV-2 particles. Journal of Nanobiotechnology, 2022, 20, .	9.1	0
119	Is the Increased Transmissibility of SARS-CoV-2 Variants Driven by within or Outside-Host Processes?. Mathematics, 2022, 10, 3422.	2.2	2
121	Chemical screen uncovers novel structural classes of inhibitors of the papain-like protease of coronaviruses. IScience, 2022, 25, 105254.	4.1	7
122	Global disparities in SARS-CoV-2 genomic surveillance. Nature Communications, 2022, 13, .	12.8	90
123	Structural analysis of a simplified model reproducing SARS-CoV-2 S RBD/ACE2 binding site. Heliyon, 2022, 8, e11568.	3.2	4
124	SARS-CoV-2 multi-variant rapid detector based on graphene transistor functionalized with an engineered dimeric ACE2 receptor. Nano Today, 2023, 48, 101729.	11.9	14
125	Application of AI+5G network in the therapy and prophylaxis of major epidemics. , 2022, , .		0
126	SARS-CoV-2 viral load and shedding kinetics. Nature Reviews Microbiology, 0, , .	28.6	57
127	Mutational Patterns Observed in SARS-CoV-2 Genomes Sampled From Successive Epochs Delimited by Major Public Health Events in Ontario, Canada: Genomic Surveillance Study. JMIR Bioinformatics and Biotechnology, 2022, 3, e42243.	0.9	0
128	A global aircraft-based wastewater genomic surveillance network for early warning of future pandemics. The Lancet Global Health, 2023, 11, e791-e795.	6.3	9
129	Targeting intracellular Neu1 for coronavirus infection treatment. IScience, 2023, 26, 106037.	4.1	5
130	Early Introduction and Community Transmission of SARS-CoV-2 Omicron Variant, New York, New York, USA. Emerging Infectious Diseases, 2023, 29, 371-380.	4.3	1
131	Combined epidemiology and genetic sequencing surveillance in the era of COVID-19 pandemic; Abu Dhabi experience, United Arab Emirates. Infection, Genetics and Evolution, 2023, 109, 105411.	2.3	2
132	Evolution of differences in clinical presentation across epidemic waves among patients with COVID-like-symptoms who received care at the Mexican Social Security Institute. Frontiers in Public Health, 0, 11, .	2.7	0
133	A high-resolution melt curve toolkit to identify lineage-defining SARS-CoV-2 mutations. Scientific Reports, 2023, 13, .	3.3	0
134	Medical Perspective on COVID-19. Contributions To Economics, 2023, , 15-103.	0.3	0
135	Optimal capacity sharing for global genomic surveillance. Epidemics, 2023, 43, 100690.	3.0	2

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136	Development and application of an RT-PCR assay for the identification of the delta and omicron variants of SARS-CoV-2. Heliyon, 2023, 9, e16917.	3.2	0
137	Wastewater surveillance monitoring of SARS-CoV-2 variants of concern and dynamics of transmission and community burden of COVID-19. Emerging Microbes and Infections, 2023, 12, .	6.5	3
138	Pharmacological and Non-pharmacological Intervention in Epidemic Prevention and Control: A Medical Perspective. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 573-582.	0.7	0
139	The potential of saliva as an accessible and sensitive sample type for the detection of respiratory pathogens and host immunity. Lancet Microbe, The, 2023, 4, e837-e850.	7.3	4
141	Genomic monitoring of SARS-CoV-2 variants using sentinel SARI hospital surveillance. Influenza and Other Respiratory Viruses, 2023, 17, .	3.4	0
143	Nucleic Acid Detection through RNA-Guided Protease Activity in Type III CRISPR-Cas Systems. ChemBioChem, 2023, 24, .	2.6	1
144	Foundations of COVID-19 with Focus on Global Comparative Epidemiology. Medizin, Kultur, Gesellschaft, 2023, , 21-49.	0.0	0
145	Development of primer-probe sets to rapidly distinguish single nucleotide polymorphisms in SARS-CoV-2 lineages. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	1
146	A response playbook for early detection and population surveillance of new SARS-CoV-2 variants in a regional public health laboratory. BMC Public Health, 2024, 24, .	2.9	0
147	Long-term monitoring of SARS-CoV-2 variants in wastewater using a coordinated workflow of droplet digital PCR and nanopore sequencing. Water Research, 2024, 254, 121338.	11.3	0
148	Dispersion patterns of SARS-CoV-2 variants Gamma, Lambda and Mu in Latin America and the Caribbean. Nature Communications, 2024, 15, .	12.8	0
149	How much should we sequence? An analysis of the Swiss SARS-CoV-2 surveillance effort. Microbiology Spectrum, 2024, 12, .	3.0	0