Present variants of concern and variants of interest of s coronavirus 2: Their significant mutations in Sâ€glycop immune escape and vaccines activity

Reviews in Medical Virology 32, e2270

DOI: 10.1002/rmv.2270

Citation Report

#	Article	IF	CITATIONS
1	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. MBio, 2021, 12, e0114021.	1.8	58
3	D614G mutation eventuates in all VOI and VOC in SARS-CoV-2: Is it part of the positive selection pioneered by Darwin?. Molecular Therapy - Nucleic Acids, 2021, 26, 237-241.	2.3	30
4	D614G mutation and SARS-CoV-2: impact on S-protein structure, function, infectivity, and immunity. Applied Microbiology and Biotechnology, 2021, 105, 9035-9045.	1.7	34
5	Relative Consolidation of the Kappa Variant Pre-Dates the Massive Second Wave of COVID-19 in India. Genes, 2021, 12, 1803.	1.0	6
6	Nature of Acquired Immune Responses, Epitope Specificity and Resultant Protection from SARS-CoV-2. Journal of Personalized Medicine, 2021, 11, 1253.	1.1	3
7	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance. Current Opinion in Pharmacology, 2022, 62, 64-73.	1.7	29
8	Mutation-Induced Long-Range Allosteric Interactions in the Spike Protein Determine the Infectivity of SARS-CoV-2 Emerging Variants. ACS Omega, 2021, 6, 31305-31320.	1.6	8
9	Comparative Analysis of Five Multiplex RT-PCR Assays in the Screening of SARS-CoV-2 Variants. Microorganisms, 2022, 10, 306.	1.6	19
10	Therapeutic Status of Famotidine in COVID-19 Patients: A Review. Infectious Disorders - Drug Targets, 2022, 22, .	0.4	4
11	State-of-the-Art Clinical Microbiology in South Korea: Current Trends and Future Prospects. Microorganisms, 2022, 10, 174.	1.6	O
12	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations. Frontiers in Immunology, 2022, 13, 801522.	2.2	73
13	Waves and variants of SARS-CoV-2: understanding the causes and effect of the COVID-19 catastrophe. Infection, 2022, 50, 309-325.	2.3	112
14	A Paradigm Shift in the Combination Changes of SARS-CoV-2 Variants and Increased Spread of Delta Variant (B.1.617.2) across the World., 2022, 13, 927.		11
15	Large-Scale Study of Antibody Titer Decay following BNT162b2 mRNA Vaccine or SARS-CoV-2 Infection. Vaccines, 2022, 10, 64.	2.1	144
17	COVID-19 at a Glance: An Up-to-Date Overview on Variants, Drug Design and Therapies. Viruses, 2022, 14, 573.	1.5	38
18	High avidity of vaccine-induced immunoglobulin G against SARS-CoV-2: potential relevance for protective humoral immunity. Exploration of Immunology, 0, , 133-156.	1.7	7
19	Omicron variant (B.1.1.529) of SARS-CoV-2: understanding mutations in the genome, S-glycoprotein, and antibody-binding regions. GeroScience, 2022, 44, 619-637.	2.1	39
20	COVID-19 vaccines: their effectiveness against the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and its emerging variants. Bulletin of the National Research Centre, 2022, 46, 96.	0.7	25

#	Article	IF	CITATIONS
21	SARSâ€CoVâ€2 variants and vulnerability at the global level. Journal of Medical Virology, 2022, 94, 2986-3005.	2.5	79
22	Spike protein of SARS-CoV-2 variants: a brief review and practical implications. Brazilian Journal of Microbiology, 2022, 53, 1133-1157.	0.8	22
23	Is the SARS CoV-2 Omicron Variant Deadlier and More Transmissible Than Delta Variant?. International Journal of Environmental Research and Public Health, 2022, 19, 4586.	1.2	63
24	Clinical Characteristics, Transmissibility, Pathogenicity, Susceptible Populations, and Re-infectivity of Prominent COVID-19 Variants., 2022, 13, 402.		28
25	Pilot Investigation of SARS-CoV-2 Variants in the Island of Sicily Prior to and in the Second Wave of the COVID-19 Pandemic. Frontiers in Microbiology, 2022, 13, 869559.	1.5	2
26	The Emergence of SARS-CoV-2 Variants With a Lower Antibody Response: A Genomic and Clinical Perspective. Frontiers in Medicine, 2022, 9, .	1.2	4
27	Biological Properties of SARS-CoV-2 Variants: Epidemiological Impact and Clinical Consequences. Vaccines, 2022, 10, 919.	2.1	23
28	Immune Response to SARS-CoV-2 Vaccines. Biomedicines, 2022, 10, 1464.	1.4	24
29	COVID-19 VARIANTS OF CONCERNS TRACKING: HOW WE EASED OUT THE WHOLE PROCESS THROUGH OPEN-SOURCE SOFTWARE IN MADHYA PRADESH, INDIA. Asian Journal of Pharmaceutical and Clinical Research, 0, , 110-113.	0.3	0
30	Continent-wide evolutionary trends of emerging SARS-CoV-2 variants: dynamic profiles from Alpha to Omicron. GeroScience, 2022, 44, 2371-2392.	2.1	9
31	An integrated understanding of the evolutionary and structural features of the SARS-CoV-2 spike receptor binding domain (RBD). International Journal of Biological Macromolecules, 2022, 217, 492-505.	3.6	9
32	Rapid and qualitative identification of SARS-CoV-2 mutations associated with variants of concern using a multiplex RT-PCR assay coupled with melting analysis. International Journal of Infectious Diseases, 2022, 122, 401-404.	1.5	5
33	Structural Analysis of the Spike Protein of SARSâ€CoVâ€2 Variants and Other Betacoronaviruses Using Molecular Dynamics. ChemPhysChem, 0, , .	1.0	0
34	Effect of SARS-CoV-2 Variants on the Progression of COVID-19 Disease: A Retrospective Analysis From a Pandemic Hospital., 2022, 1, 34-39.		0
35	B.1.1.7 (Alpha) variant is the most antigenic compared to Wuhan strain, B.1.351, B.1.1.28/triple mutant and B.1.429 variants. Frontiers in Microbiology, 0, 13, .	1.5	1
36	A comprehensive analysis of the mutational landscape of the newly emerging Omicron (B.1.1.529) variant and comparison of mutations with VOCs and VOIs. GeroScience, 2022, 44, 2393-2425.	2.1	13
37	Delta variant (B.1.617.2) of SARS-CoV-2: current understanding of infection, transmission, immune escape, and mutational landscape. Folia Microbiologica, 2023, 68, 17-28.	1.1	16
38	Deciphering the binding mechanism of inhibitors of the SARS-CoV-2 main protease through multiple replica accelerated molecular dynamics simulations and free energy landscapes. Physical Chemistry Chemical Physics, 2022, 24, 22129-22143.	1.3	16

#	ARTICLE	IF	CITATIONS
39	When the Dust Has Settled: Calculation of Binding Affinities from First Principles for SARS-CoV-2 Variants with Quantitative Accuracy. Journal of Chemical Theory and Computation, 2022, 18, 5890-5900.	2.3	15
40	Fast-track development of vaccines for SARS-CoV-2: The shots that saved the world. Frontiers in Immunology, $0,13,.$	2.2	21
41	A Comprehensive Review on the Current Vaccines and Their Efficacies to Combat SARS-CoV-2 Variants. Vaccines, 2022, 10, 1655.	2.1	12
42	Variants of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Vaccine Effectiveness. Vaccines, 2022, 10, 1751.	2.1	10
43	SARS-CoV-2 variants of concern: a review. Monaldi Archives for Chest Disease, 0, , .	0.3	4
44	The rapid emergence of multiple sublineages of Omicron (B.1.1.529) variant: Dynamic profiling via molecular phylogenetics and mutational landscape studies. Journal of Infection and Public Health, 2022, 15, 1234-1258.	1.9	14
45	Bioinformatic Analysis of B- and T-cell Epitopes from SARS-CoV-2 Structural Proteins and their Potential Cross-reactivity with Emerging Variants and other Human Coronaviruses. Archives of Medical Research, 2022, 53, 694-710.	1.5	5
47	A Polymorphism in the TMPRSS2 Gene Increases the Risk of Death in Older Patients Hospitalized with COVID-19. Viruses, 2022, 14, 2557.	1.5	9
48	Fractal correlations in the Covid-19 genome sequence via multivariate rescaled range analysis. Chaos, Solitons and Fractals, 2023, , 113132.	2.5	2
49	Molecular insights into the interaction of eighteen different variants of SARS-CoV-2 spike proteins with sixteen therapeutically important phytocompounds: in silico approach. Journal of Biomolecular Structure and Dynamics, 2023, 41, 12880-12907.	2.0	0
50	Alpha to Omicron (Variants of Concern): Mutation Journey, Vaccines, and Therapy. Viral Immunology, 0, , .	0.6	1
51	Potential differentiation of successive SARS-CoV-2 mutations by RNA: DNA hybrid analyses. Biophysical Chemistry, 2023, 297, 107013.	1.5	0
52	The D614G mutation helps to increase the transmissibility and reduce the virulence of SARS-CoV-2 variants through natural selection. International Journal of Surgery, 2023, 109, 171-174.	1.1	2
53	Assessment of the Biological Impact of SARS-CoV-2 Genetic Variation Using an Authentic Virus Neutralisation Assay with Convalescent Plasma, Vaccinee Sera, and Standard Reagents. Viruses, 2023, 15, 633.	1.5	3
54	Divalent siRNAs are bioavailable in the lung and efficiently block SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	9
55	SARS-CoV-2 Vaccines, Vaccine Development Technologies, and Significant Efforts in Vaccine Development during the Pandemic: The Lessons Learned Might Help to Fight against the Next Pandemic. Vaccines, 2023, 11 , 682 .	2.1	7
56	Temporal dynamics and fatality of SARSâ€CoVâ€2 variants in Bangladesh. Health Science Reports, 2023, 6, .	0.6	0
57	The Novelty of mRNA Viral Vaccines and Potential Harms: A Scoping Review. J, 2023, 6, 220-235.	0.6	3

ARTICLE IF CITATIONS

Modeling Mutation-Driven Emergence of Drug-Resistance: A Case Study of SARS-CoV-2. Fields Institute
Communications, 2023, , 161-174.

O.6 0