

Phylogenetic network analysis of SARS-CoV-2 genomes

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Newly emerged resistance-breaking variants of cucumber mosaic virus represent ongoing host-interactive evolution of an RNA virus. <i>Virus Evolution</i> , 2020, 6, veaa070.	2.2	13
2	The COVID-19 pandemic: a global health crisis. <i>Physiological Genomics</i> , 2020, 52, 549-557.	1.0	281
3	Update of the current knowledge on genetics, evolution, immunopathogenesis, and transmission for coronavirus disease 19 (COVID-19). <i>International Journal of Biological Sciences</i> , 2020, 16, 2906-2923.	2.6	33
4	Comparative epidemiology between the 2009 H1N1 influenza and COVID-19 pandemics. <i>Journal of Infection and Public Health</i> , 2020, 13, 1797-1804.	1.9	45
5	Two Pandemics, One Challenge—Leveraging Molecular Test Capacity of Tuberculosis Laboratories for Rapid COVID-19 Case-Finding. <i>Emerging Infectious Diseases</i> , 2020, 26, 2549-2554.	2.0	14
6	Covid-19 pandemic and food: Present knowledge, risks, consumers fears and safety. <i>Trends in Food Science and Technology</i> , 2020, 105, 145-160.	7.8	68
7	Clinical management of lung cancer patients during the outbreak of COVID-19 epidemic. <i>Infectious Agents and Cancer</i> , 2020, 15, 56.	1.2	5
8	Experimental Models for the Study of Central Nervous System Infection by SARS-CoV-2. <i>Frontiers in Immunology</i> , 2020, 11, 2163.	2.2	27
9	Diagnosing the novel SARS-CoV-2 by quantitative RT-PCR: variations and opportunities. <i>Journal of Molecular Medicine</i> , 2020, 98, 1727-1736.	1.7	35
10	Virus database annotations assist in tracing information on patients infected with emerging pathogens. <i>Informatics in Medicine Unlocked</i> , 2020, 21, 100442.	1.9	3
11	Three-Dimensional Human Alveolar Stem Cell Culture Models Reveal Infection Response to SARS-CoV-2. <i>Cell Stem Cell</i> , 2020, 27, 905-919.e10.	5.2	195
12	Point mutation bias in SARS-CoV-2 variants results in increased ability to stimulate inflammatory responses. <i>Scientific Reports</i> , 2020, 10, 17766.	1.6	47
13	Detection of COVID-19 Using Deep Learning Algorithms on Chest Radiographs. <i>Journal of Thoracic Imaging</i> , 2020, 35, 369-376.	0.8	13
14	What do we know about SARS-CoV-2 transmission? A systematic review and meta-analysis of the secondary attack rate and associated risk factors. <i>PLoS ONE</i> , 2020, 15, e0240205.	1.1	177
15	A Mutation Network Method for Transmission Analysis of Human Influenza H3N2. <i>Viruses</i> , 2020, 12, 1125.	1.5	3
16	Analysis of Continuous Mutation and Evolution on Circulating SARS-CoV-2. <i>Evolutionary Bioinformatics</i> , 2020, 16, 117693432095487.	0.6	1
17	Prevalence and recovery time of olfactory and gustatory dysfunction in hospitalized patients with COVID-19 in Wuhan, China. <i>International Journal of Infectious Diseases</i> , 2020, 100, 507-512.	1.5	30
18	Optimization and clinical validation of dual-target RT-LAMP for SARS-CoV-2. <i>Journal of Virological Methods</i> , 2020, 286, 113972.	1.0	36

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19	Structural Insights into the Binding Modes of Viral RNA-Dependent RNA Polymerases Using a Function-Site Interaction Fingerprint Method for RNA Virus Drug Discovery. <i>Journal of Proteome Research</i> , 2020, 19, 4698-4705.	1.8	19
20	Diagnostic technologies for COVID-19: a review. <i>RSC Advances</i> , 2020, 10, 35257-35264.	1.7	28
21	Molecular epidemiology of the first wave of severe acute respiratory syndrome coronavirus 2 infection in Thailand in 2020. <i>Scientific Reports</i> , 2020, 10, 16602.	1.6	29
22	Computational discovery of small drug-like compounds as potential inhibitors of SARS-CoV-2 main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5779-5791.	2.0	25
23	The role of host genetics in the immune response to SARS-CoV-2 and COVID-19 susceptibility and severity. <i>Immunological Reviews</i> , 2020, 296, 205-219.	2.8	175
24	Mortality in COVID-19 disease patients: Correlating the association of major histocompatibility complex (MHC) with severe acute respiratory syndrome 2 (SARS-CoV-2) variants. <i>International Journal of Infectious Diseases</i> , 2020, 98, 454-459.	1.5	49
25	Quantitative phylogenomic evidence reveals a spatially structured SARS-CoV-2 diversity. <i>Virology</i> , 2020, 550, 70-77.	1.1	6
26	Global analysis of more than 50,000 SARS-CoV-2 genomes reveals epistasis between eight viral genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31519-31526.	3.3	50
27	Overcoming nonstructural protein 15-nidoviral uridylylate-specific endoribonuclease (nsp15/NendoU) activity of SARS-CoV-2. <i>Future Drug Discovery</i> , 2020, 2, .	0.8	9
28	Evidence of Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection After Recovery from Mild Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2021, 73, e3002-e3008.	2.9	68
29	The Spectrum of Gastrointestinal Symptoms in Patients With Coronavirus Disease-19: Predictors, Relationship With Disease Severity, and Outcome. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00259.	1.3	38
30	Comparing and Contrasting MERS, SARS-CoV, and SARS-CoV-2: Prevention, Transmission, Management, and Vaccine Development. <i>Pathogens</i> , 2020, 9, 985.	1.2	1
31	Decoding Asymptomatic COVID-19 Infection and Transmission. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10007-10015.	2.1	61
32	Reduced Treatment Sensitivity of SARS-CoV-2 After Multigenerational Human-to-Human Transmission. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	0
33	Evolutionary and structural analysis of SARS-CoV-2 specific evasion of host immunity. <i>Genes and Immunity</i> , 2020, 21, 409-419.	2.2	37
34	Genomic exploration light on multiple origin with potential parsimony-informative sites of the severe acute respiratory syndrome coronavirus 2 in Bangladesh. <i>Gene Reports</i> , 2020, 21, 100951.	0.4	13
35	Network interventions for managing the COVID-19 pandemic and sustaining economy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30285-30294.	3.3	64
36	Analysis of genomic distributions of SARS-CoV-2 reveals a dominant strain type with strong allelic associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30679-30686.	3.3	69

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37	Positive Selection of ORF1ab, ORF3a, and ORF8 Genes Drives the Early Evolutionary Trends of SARS-CoV-2 During the 2020 COVID-19 Pandemic. <i>Frontiers in Microbiology</i> , 2020, 11, 550674.	1.5	106
38	Covid-19 pandemic and pregnancy. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020, 46, 1958-1966.	0.6	20
39	The Global Emergency of Novel Coronavirus (SARS-CoV-2): An Update of the Current Status and Forecasting. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5648.	1.2	49
40	Genomics insights of SARS-CoV-2 (COVID-19) into target-based drug discovery. <i>Medicinal Chemistry Research</i> , 2020, 29, 1777-1791.	1.1	34
41	Identification of the nucleotide substitutions in 62 SARS-CoV-2 sequences from Turkey. <i>Turkish Journal of Biology</i> , 2020, 44, 178-184.	2.1	15
42	Geographic and Genomic Distribution of SARS-CoV-2 Mutations. <i>Frontiers in Microbiology</i> , 2020, 11, 1800.	1.5	499
43	SARS-CoV-2 genomic variations associated with mortality rate of COVID-19. <i>Journal of Human Genetics</i> , 2020, 65, 1075-1082.	1.1	316
44	Decoding the global outbreak of COVID-19: the nature is behind the scene. <i>VirusDisease</i> , 2020, 31, 106-112.	1.0	10
45	Country-Wise Forecast Model for the Effective Reproduction Number R_t of Coronavirus Disease. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	11
46	SARS-CoV-2: characteristics and current advances in research. <i>Virology Journal</i> , 2020, 17, 117.	1.4	84
47	An evaluation of COVID-19 in Italy: A data-driven modeling analysis. <i>Infectious Disease Modelling</i> , 2020, 5, 495-501.	1.2	23
48	SARS-CoV-2 Vaccine Development: Current Status. <i>Mayo Clinic Proceedings</i> , 2020, 95, 2172-2188.	1.4	96
49	The Enigma of Low COVID-19 Fatality Rate in India. <i>Frontiers in Genetics</i> , 2020, 11, 854.	1.1	38
50	A four-compartment model for the COVID-19 infection—implications on infection kinetics, control measures, and lockdown exit strategies. <i>Precision Clinical Medicine</i> , 2020, 3, 104-112.	1.3	23
51	Origins of SARS-CoV-1 and SARS-CoV-2 are often poorly explored in leading publications. <i>Cladistics</i> , 2020, 36, 374-379.	1.5	16
52	COVID-19: An overview of the current pharmacological interventions, vaccines, and clinical trials. <i>Biochemical Pharmacology</i> , 2020, 180, 114184.	2.0	50
53	The global emergence of severe acute respiratory syndrome coronavirus 2 in human. <i>VirusDisease</i> , 2020, 31, 67-70.	1.0	1
54	Global cataloguing of variations in untranslated regions of viral genome and prediction of key host RNA binding protein-microRNA interactions modulating genome stability in SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0237559.	1.1	29

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55	Epidemiological and clinical differences of coronavirus disease 2019 patients with distinct viral exposure history. <i>Virulence</i> , 2020, 11, 1015-1023.	1.8	4
56	A COVID-19 human viral challenge model. Learning from experience. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 747-756.	1.5	7
57	Inverted Covariate Effects for First versus Mutated Second Wave Covid-19: High Temperature Spread Biased for Young. <i>Biology</i> , 2020, 9, 226.	1.3	25
58	Scalable COVID-19 Detection Enabled by Lab-on-Chip Biosensors. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 313-329.	1.0	81
59	Regarding a technical report from the Italian SARS-CoV-2 outbreak. Postmortem sampling and autopsy investigation in cases of suspected or probable COVID-19. <i>Forensic Science, Medicine, and Pathology</i> , 2020, 16, 747-747.	0.6	2
60	Coronavirus Proteins as Ion Channels: Current and Potential Research. <i>Frontiers in Immunology</i> , 2020, 11, 573339.	2.2	56
61	Do not call it COVID-19, it might have been the second wave. <i>Medical Hypotheses</i> , 2020, 144, 110285.	0.8	0
62	Multiple early introductions of SARS-CoV-2 into a global travel hub in the Middle East. <i>Scientific Reports</i> , 2020, 10, 17720.	1.6	28
63	What is the novel coronavirus disease 2019 (COVID-19) that paralyze the world?. <i>Reviews in Medical Microbiology</i> , 2020, 31, 234-241.	0.4	2
64	Genetic Spectrum and Distinct Evolution Patterns of SARS-CoV-2. <i>Frontiers in Microbiology</i> , 2020, 11, 593548.	1.5	44
65	Critical Sequence Hotspots for Binding of Novel Coronavirus to Angiotensin Converter Enzyme as Evaluated by Molecular Simulations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10034-10047.	1.2	54
66	Electrochemical SARS-CoV-2 Sensing at Point-of-Care and Artificial Intelligence for Intelligent COVID-19 Management. <i>ACS Applied Bio Materials</i> , 2020, 3, 7306-7325.	2.3	171
67	Evolutionary Analysis of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Reveals Genomic Divergence with Implications for Universal Vaccine Efficacy. <i>Vaccines</i> , 2020, 8, 591.	2.1	3
68	High-Density Amplicon Sequencing Identifies Community Spread and Ongoing Evolution of SARS-CoV-2 in the Southern United States. <i>Cell Reports</i> , 2020, 33, 108352.	2.9	38
69	Coronavirus disease 2019 and the pancreas. <i>Pancreatology</i> , 2020, 20, 1567-1575.	0.5	49
70	COMPLEXITY AND INFORMATION-BASED ANALYSIS OF THE VARIATIONS OF THE SARS-COV-2 GENOME IN THE UNITED STATES OF AMERICA (USA). <i>Fractals</i> , 2020, 28, 2150023.	1.8	18
71	Comprehensive evolution and molecular characteristics of a large number of SARS-CoV-2 genomes reveal its epidemic trends. <i>International Journal of Infectious Diseases</i> , 2020, 100, 164-173.	1.5	31
72	Host genetic factors and susceptibility to SARS-CoV-2 infection. <i>American Journal of Human Biology</i> , 2020, 32, e23497.	0.8	7

#	ARTICLE	IF	CITATIONS
73	Tracking the COVID-19 pandemic in Australia using genomics. <i>Nature Communications</i> , 2020, 11, 4376.	5.8	152
74	Mapping genome variation of SARS-CoV-2 worldwide highlights the impact of COVID-19 super-spreaders. <i>Genome Research</i> , 2020, 30, 1434-1448.	2.4	91
75	Nonrigid water octamer: Computations with the 8 th cube. <i>Journal of Computational Chemistry</i> , 2020, 41, 2469-2484.	1.5	8
76	Characteristics, laboratories, and prognosis of severe COVID-19 in the Tokyo metropolitan area: A retrospective case series. <i>PLoS ONE</i> , 2020, 15, e0239644.	1.1	18
77	COVID19: an announced pandemic. <i>Cell Death and Disease</i> , 2020, 11, 799.	2.7	59
78	Genetic grouping of SARS-CoV-2 coronavirus sequences using informative subtype markers for pandemic spread visualization. <i>PLoS Computational Biology</i> , 2020, 16, e1008269.	1.5	38
79	SARS-CoV-2 Vaccine Development: An Overview and Perspectives. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 844-858.	2.5	34
80	Antibody-like proteins that capture and neutralize SARS-CoV-2. <i>Science Advances</i> , 2020, 6, .	4.7	37
81	Coronavirus disease 2019 in Rome: was it circulating before December?. <i>Journal of Cardiovascular Medicine</i> , 2020, 21, 835-836.	0.6	4
82	The Significance of Natural Product Derivatives and Traditional Medicine for COVID-19. <i>Processes</i> , 2020, 8, 937.	1.3	23
83	Human Challenge Studies Are Unlikely to Accelerate Coronavirus Vaccine Licensure Due to Ethical and Practical Issues. <i>Journal of Infectious Diseases</i> , 2020, 222, 1572-1574.	1.9	11
84	Balancing Scientific Rigor With Urgency in the Coronavirus Disease 2019 Pandemic. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofaa304.	0.4	10
85	Presence of mismatches between diagnostic PCR assays and coronavirus SARS-CoV-2 genome. <i>Royal Society Open Science</i> , 2020, 7, 200636.	1.1	93
86	Viral Genomics to Inform Infection-control Response in Occupational Coronavirus Disease 2019 (COVID-19) Transmission. <i>Clinical Infectious Diseases</i> , 2020, 73, e1881-e1884.	2.9	3
87	Anosmia in COVID-19: Underlying Mechanisms and Assessment of an Olfactory Route to Brain Infection. <i>Neuroscientist</i> , 2021, 27, 582-603.	2.6	238
88	COVID-19: Review of a 21st Century Pandemic from Etiology to Neuro-psychiatric Implications. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 459-504.	1.2	63
89	Nanotechnology-Based Approaches for the Detection of SARS-CoV-2. <i>Frontiers in Nanotechnology</i> , 2020, 2, .	2.4	38
90	Computational Immune Proteomics Approach to Target COVID-19. <i>Journal of Proteome Research</i> , 2020, 19, 4233-4241.	1.8	19

#	ARTICLE	IF	CITATIONS
91	Ribonucleocapsid assembly/packaging signals in the genomes of the coronaviruses SARS-CoV and SARS-CoV-2: detection, comparison and implications for therapeutic targeting. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 508-522.	2.0	6
92	The emergence of SARS-CoV-2 in Europe and North America. <i>Science</i> , 2020, 370, 564-570.	6.0	331
93	The New Coronavirus (SARS-CoV-2): A Comprehensive Review on Immunity and the Application of Bioinformatics and Molecular Modeling to the Discovery of Potential Anti-SARS-CoV-2 Agents. <i>Molecules</i> , 2020, 25, 4086.	1.7	9
94	Social and electronic media exposure and generalized anxiety disorder among people during COVID-19 outbreak in Bangladesh: A preliminary observation. <i>PLoS ONE</i> , 2020, 15, e0238974.	1.1	70
95	A Duty to treat? A Right to refrain? Bangladeshi physicians in moral dilemma during COVID-19. <i>Philosophy, Ethics, and Humanities in Medicine</i> , 2020, 15, 7.	0.7	16
96	Immuno-epidemiology and pathophysiology of coronavirus disease 2019 (COVID-19). <i>Journal of Molecular Medicine</i> , 2020, 98, 1369-1383.	1.7	30
97	COVID-19 pandemic: Insights into structure, function, and hACE2 receptor recognition by SARS-CoV-2. <i>PLoS Pathogens</i> , 2020, 16, e1008762.	2.1	194
98	COVID-19 antibody therapeutics tracker: a global online database of antibody therapeutics for the prevention and treatment of COVID-19. <i>Antibody Therapeutics</i> , 2020, 3, 205-212.	1.2	86
99	Molecular Epidemiology Analysis of SARS-CoV-2 Strains Circulating in Romania during the First Months of the Pandemic. <i>Life</i> , 2020, 10, 152.	1.1	9
100	Country performance against COVID-19: rankings for 35 countries. <i>BMJ Global Health</i> , 2020, 5, e003047.	2.0	18
101	The Roborovski Dwarf Hamster Is A Highly Susceptible Model for a Rapid and Fatal Course of SARS-CoV-2 Infection. <i>Cell Reports</i> , 2020, 33, 108488.	2.9	76
102	Genetic variations among SARS-CoV-2 strains isolated in China. <i>Gene Reports</i> , 2020, 21, 100925.	0.4	11
103	Dynamics of severe acute respiratory syndrome coronavirus 2 genome variants in the feces during convalescence. <i>Journal of Genetics and Genomics</i> , 2020, 47, 610-617.	1.7	30
104	Epidemiological characterisation of asymptomatic carriers of COVID-19 in Colombia: a cross-sectional study. <i>BMJ Open</i> , 2020, 10, e042122.	0.8	9
105	Topological and Thermodynamic Entropy Measures for COVID-19 Pandemic through Graph Theory. <i>Symmetry</i> , 2020, 12, 1992.	1.1	11
106	The Limited Sensitivity of Chest Computed Tomography Relative to Reverse Transcription Polymerase Chain Reaction for Severe Acute Respiratory Syndrome Coronavirus-2 Infection. <i>Investigative Radiology</i> , 2020, 55, 754-761.	3.5	28
107	Reply to Grifoni et al. <i>Clinical Infectious Diseases</i> , 2021, 72, 183.	2.9	1
108	Role of SARS-CoV-2 in Altering the RNA-Binding Protein and miRNA-Directed Post-Transcriptional Regulatory Networks in Humans. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7090.	1.8	28

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109	Phylogeography of 27,000 SARS-CoV-2 Genomes: Europe as the Major Source of the COVID-19 Pandemic. <i>Microorganisms</i> , 2020, 8, 1678.	1.6	21
110	SARS-CoV-2 Molecular Clock and Zoonosis. <i>Journal of General and Molecular Virology</i> , 2020, 10, 1-8.	1.7	2
111	Prevalence and fatality rates of COVID-19: What are the reasons for the wide variations worldwide?. <i>Travel Medicine and Infectious Disease</i> , 2020, 35, 101711.	1.5	58
112	New Insights of Emerging SARS-CoV-2: Epidemiology, Etiology, Clinical Features, Clinical Treatment, and Prevention. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 410.	1.8	96
113	Trends and Innovations in Biosensors for COVID-19 Mass Testing. <i>ChemBioChem</i> , 2020, 21, 2880-2889.	1.3	117
114	SARS-CoV-2 variants: Relevance for symptom granularity, epidemiology, immunity (herd, vaccines), virus origin and containment?. <i>Environmental Microbiology</i> , 2020, 22, 2001-2006.	1.8	20
115	The Neurologic Manifestations of Coronavirus Disease 2019 Pandemic: A Systemic Review. <i>Frontiers in Neurology</i> , 2020, 11, 498.	1.1	72
116	Visualizing COVID-19 pandemic risk through network connectedness. <i>International Journal of Infectious Diseases</i> , 2020, 96, 558-561.	1.5	57
117	COVID-19 Pandemic: Hopes from Proteomics and Multiomics Research. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 457-459.	1.0	14
118	Median-joining network analysis of SARS-CoV-2 genomes is neither phylogenetic nor evolutionary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12518-12519.	3.3	38
119	COVID-19: The first documented coronavirus pandemic in history. <i>Biomedical Journal</i> , 2020, 43, 328-333.	1.4	545
120	The underpinning biology relating to multiple sclerosis disease modifying treatments during the COVID-19 pandemic. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 43, 102174.	0.9	62
121	Evolving COVID-19 conundrum and its impact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12520-12521.	3.3	25
122	Sampling bias and incorrect rooting make phylogenetic network tracing of SARS-COV-2 infections unreliable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12522-12523.	3.3	68
123	Immune response to SARS-CoV-2 and mechanisms of immunopathological changes in COVID-19. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1564-1581.	2.7	828
124	Allo-priming as a universal anti-viral vaccine: protecting elderly from current COVID-19 and any future unknown viral outbreak. <i>Journal of Translational Medicine</i> , 2020, 18, 196.	1.8	10
125	Dietary therapy and herbal medicine for COVID-19 prevention: A review and perspective. <i>Journal of Traditional and Complementary Medicine</i> , 2020, 10, 420-427.	1.5	190
126	Coronaviridae "Old friends, new enemy!". <i>Oral Diseases</i> , 2022, 28, 858-866.	1.5	24

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127	SARS-CoV-2/COVID-19: Viral Genomics, Epidemiology, Vaccines, and Therapeutic Interventions. <i>Viruses</i> , 2020, 12, 526.	1.5	197
128	SARS-CoV-2 immunogenicity at the crossroads. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1822-1824.	2.7	19
129	COVID-19 pandemic – an African perspective. <i>Emerging Microbes and Infections</i> , 2020, 9, 1300-1308.	3.0	322
130	Clinical features, isolation, and complete genome sequence of severe acute respiratory syndrome coronavirus 2 from the first two patients in Vietnam. <i>Journal of Medical Virology</i> , 2020, 92, 2209-2215.	2.5	17
131	A letter to the editor on “World Health Organization declares global emergency: A review of the 2019 novel Coronavirus (COVID-19)”. <i>International Journal of Surgery</i> , 2020, 79, 163-164.	1.1	11
132	Research Progress of Coronavirus Based on Bibliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3766.	1.2	53
133	Genetic cluster analysis of SARS-CoV-2 and the identification of those responsible for the major outbreaks in various countries. <i>Emerging Microbes and Infections</i> , 2020, 9, 1287-1299.	3.0	51
134	Analysis of the Hosts and Transmission Paths of SARS-CoV-2 in the COVID-19 Outbreak. <i>Genes</i> , 2020, 11, 637.	1.0	21
135	How would you like your COVID-19? From a host with mild course disease, or from a severe one?. <i>American Journal of Emergency Medicine</i> , 2020, 38, 2487.e7-2487.e12.	0.7	1
136	A compendium answering 150 questions on COVID-19 and SARS-CoV-2. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2503-2541.	2.7	95
137	Policy responses and government science advice for the COVID 19 pandemic in the Philippines: January to April 2020. <i>Progress in Disaster Science</i> , 2020, 7, 100115.	1.4	50
139	Molecular Diagnosis of COVID-19: Challenges and Research Needs. <i>Analytical Chemistry</i> , 2020, 92, 10196-10209.	3.2	294
140	Gas Plasma Technology – An Asset to Healthcare During Viral Pandemics Such as the COVID-19 Crisis?. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 391-399.	2.7	28
141	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): a review. <i>Molecular Cancer</i> , 2020, 19, 100.	7.9	72
142	SARS-CoV-2 and COVID-19: From the Bench to the Bedside. <i>Physiological Reviews</i> , 2020, 100, 1455-1466.	13.1	116
143	Identification of nsp1 gene as the target of SARS-CoV-2 real-time RT-PCR using nanopore whole-genome sequencing. <i>Journal of Medical Virology</i> , 2020, 92, 2725-2734.	2.5	36
144	Resilient and agile engineering solutions to address societal challenges such as coronavirus pandemic. <i>Materials Today Chemistry</i> , 2020, 17, 100300.	1.7	58
145	COVID-19 breakthroughs: separating fact from fiction. <i>FEBS Journal</i> , 2020, 287, 3612-3632.	2.2	32

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146	COVID-19 preclinical models: human angiotensin-converting enzyme 2 transgenic mice. <i>Human Genomics</i> , 2020, 14, 20.	1.4	59
147	COVID-19 and anosmia: A review based on up-to-date knowledge. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2020, 41, 102581.	0.6	294
148	In silico prediction of potential inhibitors for the main protease of SARS-CoV-2 using molecular docking and dynamics simulation based drug-repurposing. <i>Journal of Infection and Public Health</i> , 2020, 13, 1210-1223.	1.9	203
149	Olfactory and Gustatory Dysfunction as an Early Identifier of COVID-19 in Adults and Children: An International Multicenter Study. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 163, 714-721.	1.1	135
150	A Comparison Between Chinese Children Infected with Coronavirus Disease-2019 and with Severe Acute Respiratory Syndrome 2003. <i>Journal of Pediatrics</i> , 2020, 224, 30-36.	0.9	25
151	Gastrointestinal and Hepatic Involvement in Severe Acute Respiratory Syndrome Coronavirus 2 Infection: A Review. <i>Journal of Clinical and Experimental Hepatology</i> , 2020, 10, 622-628.	0.4	13
152	The laboratory's role in combating COVID-19. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020, 57, 400-414.	2.7	42
153	Persistence of SARS-CoV-2 in the environment and COVID-19 transmission risk from environmental matrices and surfaces. <i>Environmental Pollution</i> , 2020, 265, 115010.	3.7	185
154	COVID-19: The Potential Role of Copper and N-acetylcysteine (NAC) in a Combination of Candidate Antiviral Treatments Against SARS-CoV-2. <i>In Vivo</i> , 2020, 34, 1567-1588.	0.6	87
155	COVID-19 Digital Health Innovation Policy: A Portal to Alternative Futures in the Making. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 460-469.	1.0	62
156	EML webinar overview: Simulation-assisted discovery of membrane targeting nanomedicine. <i>Extreme Mechanics Letters</i> , 2020, 39, 100817.	2.0	4
157	Singapore COVID-19 Pandemic Response as a Successful Model Framework for Low-Resource Health Care Settings in Africa?. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 470-478.	1.0	58
158	Betacoronavirus Genomes: How Genomic Information has been Used to Deal with Past Outbreaks and the COVID-19 Pandemic. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4546.	1.8	34
159	Differential mortality in COVID-19 patients from India and western countries. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1037-1041.	1.8	63
160	Cell-Mediated Immune Responses to COVID-19 Infection. <i>Frontiers in Immunology</i> , 2020, 11, 1662.	2.2	48
161	Neuroinvasive potential of a primary respiratory pathogen SARS-CoV-2: Summarizing the evidences. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1053-1060.	1.8	15
162	Amino acid variation analysis of surface spike glycoprotein at 614 in SARS-CoV-2 strains. <i>Genes and Diseases</i> , 2020, 7, 567-577.	1.5	8
163	Neurosensory dysfunction: A diagnostic marker of early COVID-19. <i>International Journal of Infectious Diseases</i> , 2020, 98, 347-352.	1.5	39

#	ARTICLE	IF	CITATIONS
165	Opportunities, Challenges and Directions in Science and Technology for Tackling COVID-19. , 2020, 5, 97-101.		3
166	COVID-19 from the land "Down Under" in an upside-down world: an Australian perspective. European Respiratory Journal, 2020, 56, 2001844.	3.1	3
167	Natural Transmission of Bat-like Severe Acute Respiratory Syndrome Coronavirus 2 Without Proline-Arginine-Arginine-Alanine Variants in Coronavirus Disease 2019 Patients. Clinical Infectious Diseases, 2021, 73, e437-e444.	2.9	62
168	The use of SARS-CoV-2-related coronaviruses from bats and pangolins to polarize mutations in SARS-Cov-2. Science China Life Sciences, 2020, 63, 1608-1611.	2.3	12
169	Revisiting potential druggable targets against SARS-CoV-2 and repurposing therapeutics under preclinical study and clinical trials: A comprehensive review. Drug Development Research, 2020, 81, 919-941.	1.4	35
170	Outbreak of COVID-19: An emerging global pandemic threat. Biomedicine and Pharmacotherapy, 2020, 129, 110499.	2.5	48
171	The impact of Covid-19 on Turkey's non-recoverable economic sectors compensating with falling crude oil prices: A computable general equilibrium analysis. Energy Exploration and Exploitation, 2020, 38, 1810-1830.	1.1	22
172	Total Knee Replacement: The Inpatient-Only List and the Two Midnight Rule, Patient Impact, Length of Stay, Compliance Solutions, Audits, and Economic Consequences. Journal of Arthroplasty, 2020, 35, S28-S32.	1.5	27
173	The importance of naturally attenuated SARS-CoV-2 in the fight against COVID-19. Environmental Microbiology, 2020, 22, 1997-2000.	1.8	54
174	Prevention of Infection and Disruption of the Pathogen Transfer Chain in Elective Surgery. Journal of Arthroplasty, 2020, 35, S28-S31.	1.5	11
175	Clinical and epidemiological characteristics of 1420 European patients with mild-to-moderate coronavirus disease 2019. Journal of Internal Medicine, 2020, 288, 335-344.	2.7	627
176	SARS-Cov-2 (human) and COVID-19: Primer 2020. Hepatology International, 2020, 14, 475-477.	1.9	2
177	Scientific research progress of COVID-19/SARS-CoV-2 in the first five months. Journal of Cellular and Molecular Medicine, 2020, 24, 6558-6570.	1.6	86
178	Understanding the possible origin and genotyping of the first Bangladeshi SARS-CoV-2 strain. Journal of Medical Virology, 2021, 93, 1-4.	2.5	36
179	The cytokine storm and COVID-19. Journal of Medical Virology, 2021, 93, 250-256.	2.5	1,007
180	Recent insights for the emerging COVID-19: Drug discovery, therapeutic options and vaccine development. Asian Journal of Pharmaceutical Sciences, 2021, 16, 4-23.	4.3	46
181	Insights from nanotechnology in COVID-19 treatment. Nano Today, 2021, 36, 101019.	6.2	146
182	Digestive system manifestations and clinical significance of coronavirus disease 2019: A systematic literature review. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 1414-1422.	1.4	20

#	ARTICLE	IF	CITATIONS
183	Charting the life course: Emerging opportunities to advance scientific approaches using life course research. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e9.	0.3	8
184	COVID-19 Pandemic with Human Mobility Across Countries. <i>Journal of the Operations Research Society of China</i> , 2021, 9, 229-244.	0.9	14
185	Animal coronaviruses and SARS-CoV-2. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1097-1110.	1.3	33
186	Emergence of European and North American mutant variants of SARS-CoV-2 in South-East Asia. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 824-832.	1.3	51
187	Phylogenetic analysis of SARS-CoV-2 in the first few months since its emergence. <i>Journal of Medical Virology</i> , 2021, 93, 1722-1731.	2.5	29
188	Genetics and genomics of SARS-CoV-2: A review of the literature with the special focus on genetic diversity and SARS-CoV-2 genome detection. <i>Genomics</i> , 2021, 113, 1221-1232.	1.3	126
189	Characteristics of SARS-CoV-2 and COVID-19. <i>Nature Reviews Microbiology</i> , 2021, 19, 141-154.	13.6	3,334
190	Evolution of SARS-CoV-2 genome from December 2019 to late March 2020: Emerged haplotypes and informative Tag nucleotide variations. <i>Journal of Medical Virology</i> , 2021, 93, 2010-2020.	2.5	10
191	Review on the contamination of wastewater by COVID-19 virus: Impact and treatment. <i>Science of the Total Environment</i> , 2021, 751, 142325.	3.9	81
192	Patient characteristics and admitting vital signs associated with coronavirus disease 2019 (COVID-19)-related mortality among patients admitted with noncritical illness. <i>Infection Control and Hospital Epidemiology</i> , 2021, 42, 399-405.	1.0	23
193	Coronavirus Disease 2019 Vaccine Development: An Overview. <i>Viral Immunology</i> , 2021, 34, 134-144.	0.6	15
194	GESS: a database of global evaluation of SARS-CoV-2/hCoV-19 sequences. <i>Nucleic Acids Research</i> , 2021, 49, D706-D714.	6.5	65
195	Targeted Nanotherapeutics for Respiratory Diseases: Cancer, Fibrosis, and Coronavirus. <i>Advanced Therapeutics</i> , 2021, 4, 2000203.	1.6	16
196	Li Yan et al. reply. <i>Nature Machine Intelligence</i> , 2021, 3, 28-32.	8.3	8
197	Exploring the magic bullets to identify Achilles™ heel in SARS-CoV-2: Delving deeper into the sea of possible therapeutic options in Covid-19 disease: An update. <i>Food and Chemical Toxicology</i> , 2021, 147, 111887.	1.8	11
198	The phylogenetic relationship within SARS-CoV-2s: An expanding basal clade. <i>Molecular Phylogenetics and Evolution</i> , 2021, 157, 107017.	1.2	15
199	PAGER-CoV: a comprehensive collection of pathways, annotated gene-lists and gene signatures for coronavirus disease studies. <i>Nucleic Acids Research</i> , 2021, 49, D589-D599.	6.5	8
200	SARS-CoV-2 variants evolved during the early stage of the pandemic and effects of mutations on adaptation in Wuhan populations. <i>International Journal of Biological Sciences</i> , 2021, 17, 97-106.	2.6	45

#	ARTICLE	IF	CITATIONS
201	History of the COVID-19 pandemic: Origin, explosion, worldwide spreading. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 14-23.	1.0	72
202	Genomic characterization of SARS-CoV-2 in Egypt. <i>Journal of Advanced Research</i> , 2021, 30, 123-132.	4.4	15
203	The virus that shook the world: questions and answers about SARS-CoV-2 and COVID-19. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 74-102.	0.5	13
204	Cancer treatment in the coronavirus disease pandemic. <i>Lung Cancer</i> , 2021, 152, 98-103.	0.9	3
205	Different mutations in SARS-CoV-2 associate with severe and mild outcome. <i>International Journal of Antimicrobial Agents</i> , 2021, 57, 106272.	1.1	122
206	East-West differences in clinical manifestations of COVID-19 patients: A systematic literature review and meta-analysis. <i>Journal of Medical Virology</i> , 2021, 93, 2683-2693.	2.5	19
207	Otolaryngological symptoms in COVID-19. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, 278, 1233-1236.	0.8	84
208	Origin-independent analysis links SARS-CoV-2 local genomes with COVID-19 incidence and mortality. <i>Briefings in Bioinformatics</i> , 2021, 22, 905-913.	3.2	1
209	Identification of the RNase-binding site of SARS-CoV-2 RNA for anchor primer-PCR detection of viral loading in 306 COVID-19 patients. <i>Briefings in Bioinformatics</i> , 2021, 22, 1215-1224.	3.2	5
210	Characterizing COVID-19 severity, epidemiology and SARS-CoV-2 genotypes in a regional business hub of China. <i>Journal of Infection</i> , 2021, 82, 282-327.	1.7	4
211	Intercontinental transmission and local demographic expansion of SARS-CoV-2. <i>Epidemiology and Infection</i> , 2021, 149, e94.	1.0	1
215	Molecular optimization of phytochemicals into antidotes. , 2021, , 481-495.		0
216	Isolating SARS-CoV-2 Strains From Countries in the Same Meridian: Genome Evolutionary Analysis. <i>JMIR Bioinformatics and Biotechnology</i> , 2021, 2, e25995.	0.4	6
217	Change Detection in Dynamic Networks Using Network Characteristics. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2021, 7, 451-464.	1.6	4
218	An epidemic model integrating direct and fomite transmission as well as household structure applied to COVID-19. <i>Journal of Mathematics in Industry</i> , 2021, 11, 1.	0.7	19
219	Sanitary, Hygienic and Organizational Criteria for Reducing the Risk of COVID-19. <i>Medical Sciences Forum</i> , 2021, 4, 2.	0.5	3
220	Temporal increase in D614G mutation of SARS-CoV-2 in the Middle East and North Africa. <i>Heliyon</i> , 2021, 7, e06035.	1.4	25
221	Pitfalls of barcodes in the study of worldwide SARS-CoV-2 variation and phylodynamics. <i>Zoological Research</i> , 2021, 42, 87-93.	0.9	7

#	ARTICLE	IF	CITATIONS
222	Blockchain and AI-Empowered Social Distancing Scheme to Combat COVID-19 Situations. IEEE Access, 2021, 9, 129830-129840.	2.6	10
223	Clinical findings in a group of COVID-19 patients: a single-center retrospective study. Annals of Translational Medicine, 2021, 9, 44-44.	0.7	0
224	Quasispecies of SARS-CoV-2 revealed by single nucleotide polymorphisms (SNPs) analysis. Virulence, 2021, 12, 1209-1226.	1.8	16
225	Engineering a Reliable and Convenient SARS-CoV-2 Replicon System for Analysis of Viral RNA Synthesis and Screening of Antiviral Inhibitors. MBio, 2021, 12, .	1.8	22
226	Health informatics and EHR to support clinical research in the COVID-19 pandemic: an overview. Briefings in Bioinformatics, 2021, 22, 812-822.	3.2	67
228	An overview of healthcare data analytics with applications to the COVID-19 pandemic. IEEE Transactions on Big Data, 2021, , 1-1.	4.4	10
230	SARS-CoV-2 and approaches for a testing and diagnostic strategy. Journal of Materials Chemistry B, 2021, 9, 8157-8173.	2.9	4
231	Principal Component Analysis Applications in COVID-19 Genome Sequence Studies. Cognitive Computation, 2021, , 1-12.	3.6	10
232	Genetics of coronaviruses. , 2021, , 257-272.		0
233	AutoVEM: An automated tool to real-time monitor epidemic trends and key mutations in SARS-CoV-2 evolution. Computational and Structural Biotechnology Journal, 2021, 19, 1976-1985.	1.9	9
234	A single nucleotide distinguishes the SARS-CoV-2 in the Wuhan outbreak in December 2019 from that in Beijing-Xinfadi in June 2020, China. New Microbes and New Infections, 2021, 39, 100835.	0.8	3
235	Lies, Gosh Darn Lies, and not enough good statistics: why epidemic model parameter estimation fails. Scientific Reports, 2021, 11, 408.	1.6	1
236	Engineered Aptamers for Enhanced COVID-19 Theranostics. Cellular and Molecular Bioengineering, 2021, 14, 209-221.	1.0	14
237	Bioinformatic Application in COVID-19. , 2021, , 87-104.		0
238	The dual role of the immune system in the course of COVID-19. The fatal impact of the aging immune system. Central-European Journal of Immunology, 2021, 46, 1-9.	0.4	12
239	Specific measures to response pandemic of COVID-19 in China: a systematic review. E3S Web of Conferences, 2021, 292, 03076.	0.2	0
240	Machine Learning-Based Decision Model to Distinguish Between COVID-19 and Influenza: A Retrospective, Two-Centered, Diagnostic Study. Risk Management and Healthcare Policy, 2021, Volume 14, 595-604.	1.2	13
241	Olfactory Dysfunction: A Clinical Marker of COVID-19. Journal of the Nepal Medical Association, 2021, 59, 88-93.	0.1	1

#	ARTICLE	IF	CITATIONS
242	Data science in unveiling COVID-19 pathogenesis and diagnosis: evolutionary origin to drug repurposing. <i>Briefings in Bioinformatics</i> , 2021, 22, 855-872.	3.2	38
243	The Era of the Coronavirus Disease 2019 Pandemic: A Review on Dynamics, Clinical Symptoms and Complications, Diagnosis, and Treatment. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 85-101.	0.3	6
244	Biochemical and phylogenetic networks-II: X-trees and phylogenetic trees. <i>Journal of Mathematical Chemistry</i> , 2021, 59, 699-718.	0.7	2
246	Chemosensory Dysfunction in Patients with COVID-19: What Do We Learn from the Global Outbreak?. <i>Current Allergy and Asthma Reports</i> , 2021, 21, 6.	2.4	11
247	Multisystem inflammatory syndrome in pediatric COVID-19 patients: a meta-analysis. <i>World Journal of Pediatrics</i> , 2021, 17, 141-151.	0.8	28
249	SARS-CoV-2 genomic surveillance in Rondônia, Brazilian Western Amazon. <i>Scientific Reports</i> , 2021, 11, 3770.	1.6	7
250	Effects of insulin detemir versus insulin glargine on food intake and satiety factors in type 1 diabetes. <i>Journal of Diabetes, Metabolic Disorders & Control</i> , 2021, 8, 31-36.	0.2	0
252	The origin and early spread of SARS-CoV-2 in Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	83
253	From predictions to prescriptions: A data-driven response to COVID-19. <i>Health Care Management Science</i> , 2021, 24, 253-272.	1.5	48
254	Comparative Genomics and Integrated Network Approach Unveiled Undirected Phylogeny Patterns, Co-mutational Hot Spots, Functional Cross Talk, and Regulatory Interactions in SARS-CoV-2. <i>MSystems</i> , 2021, 6, .	1.7	23
257	International Observational Survey of the Effectiveness of Personal Protective Equipment during Endoscopic Procedures Performed in Patients with COVID-19. <i>Digestion</i> , 2021, 102, 845-853.	1.2	8
258	Olfactory and Gustatory Dysfunction in COVID-19 Patients from Northern India: A Cross-Sectional Observational Study. <i>Indian Journal of Otolaryngology and Head and Neck Surgery</i> , 2021, 73, 218-225.	0.3	12
259	Saliva Pooling Strategy for the Large-Scale Detection of SARS-CoV-2, Through Working-Groups Testing of Asymptomatic Subjects for Potential Applications in Different Workplaces. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, 541-547.	0.9	8
260	Bergamo and Covid-19: How the Dark Can Turn to Light. <i>Frontiers in Medicine</i> , 2021, 8, 609440.	1.2	15
261	Quantum Secure Multiparty Computation of Phylogenetic Trees of SARS-CoV-2 Genome. , 2021, , .		2
263	4P Model for Dynamic Prediction of COVID-19: a Statistical and Machine Learning Approach. <i>Cognitive Computation</i> , 2021, , 1-14.	3.6	4
264	Social Work Responses and Household-level Determinants of Coronavirus Preparedness in Rural Ethiopia. <i>Social Work in Public Health</i> , 2021, 36, 85-97.	0.7	5
265	Functional alterations caused by mutations reflect evolutionary trends of SARS-CoV-2. <i>Briefings in Bioinformatics</i> , 2021, 22, 1442-1450.	3.2	32

#	ARTICLE	IF	CITATIONS
266	Comparative Genomics Reveals Early Emergence and Biased Spatiotemporal Distribution of SARS-CoV-2. <i>Molecular Biology and Evolution</i> , 2021, 38, 2547-2565.	3.5	31
267	Mutational signatures and heterogeneous host response revealed via large-scale characterization of SARS-CoV-2 genomic diversity. <i>IScience</i> , 2021, 24, 102116.	1.9	64
268	SARS-CoV-2 invasion of the central nervous: a brief review. <i>Hospital Practice (1995)</i> , 2021, 49, 157-163.	0.5	16
269	Cuba: Arqueología y Legado Histórico, Ediciones Polymita SA. Ciudad de Guatemala, 2018, 230 págs., ISBN: 9929 667164. <i>Ciencia Y Sociedad</i> , 2021, 46, 73-76.	0.1	0
270	COVID-19: emergence and mutational diversification of SARS-CoV-2. <i>Microbial Biotechnology</i> , 2021, 14, 756-768.	2.0	17
271	Mutations in SARS-CoV-2 nsp7 and nsp8 proteins and their predicted impact on replication/transcription complex structure. <i>Journal of Medical Virology</i> , 2021, 93, 4616-4619.	2.5	25
272	Next-Generation Sequencing Reveals the Progression of COVID-19. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 632490.	1.8	35
273	miRCOVID-19: Potential Targets of Human miRNAs in SARS-CoV-2 for RNA-Based Drug Discovery. <i>Non-coding RNA</i> , 2021, 7, 18.	1.3	37
274	COVID-19 in Children With Liver Disease. <i>Frontiers in Pediatrics</i> , 2021, 9, 616381.	0.9	20
275	Single-Cell Microgels for Diagnostics and Therapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2009946.	7.8	14
276	Nano-therapeutic strategies to target coronavirus. <i>View</i> , 2021, 2, 20200155.	2.7	11
277	A multi-centre, cross-sectional study on coronavirus disease 2019 in Bangladesh: clinical epidemiology and short-term outcomes in recovered individuals. <i>New Microbes and New Infections</i> , 2021, 40, 100838.	0.8	32
278	Evaluation of preventive, supportive and awareness building measures among international students in China in response to COVID-19: a structural equation modeling approach. <i>Global Health Research and Policy</i> , 2021, 6, 10.	1.4	8
279	Diagnosis for COVID-19: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 269-288.	1.5	29
280	COVID-19 in early 2021: current status and looking forward. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 114.	7.1	191
281	COVID-19 pandemic models revisited with a new proposal: Plenty of epidemiological models outcast the simple population dynamics solution. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110697.	2.5	19
282	COVID-19 entities of current worldwide pandemic. <i>International Reviews of Immunology</i> , 2021, 40, 1-4.	1.5	1
283	An Overview of a Year with COVID-19: What We Know?. <i>Electronic Journal of General Medicine</i> , 2021, 18, em286.	0.3	2

#	ARTICLE	IF	CITATIONS
284	â€œCOVID wasteâ€™ and social media as method: an archaeology of personal protective equipment and its contribution to policy. <i>Antiquity</i> , 2021, 95, 435-449.	0.5	16
285	Incomplete humoral response including neutralizing antibodies in asymptomatic to mild COVID-19 patients in Japan. <i>Virology</i> , 2021, 555, 35-43.	1.1	31
286	A review of novel coronavirus disease (COVID-19): based on genomic structure, phylogeny, current shreds of evidence, candidate vaccines, and drug repurposing. <i>3 Biotech</i> , 2021, 11, 198.	1.1	15
287	Low-Cost and Scalable Platform with Multiplexed Microwell Array Biochip for Rapid Diagnosis of COVID-19. <i>Research</i> , 2021, 2021, 2813643.	2.8	13
288	A comprehensive SARS-CoV-2 genomic analysis identifies potential targets for drug repurposing. <i>PLoS ONE</i> , 2021, 16, e0248553.	1.1	17
289	VERSO: A comprehensive framework for the inference of robust phylogenies and the quantification of intra-host genomic diversity of viral samples. <i>Patterns</i> , 2021, 2, 100212.	3.1	26
290	Genomic Characterization and Phylogenetic Analysis of SARS-CoV-2 in Libya. <i>Microbiology Research</i> , 2021, 12, 138-149.	0.8	0
291	Using Robotics in Laboratories During the COVID-19 Outbreak: A Review. <i>IEEE Robotics and Automation Magazine</i> , 2021, 28, 28-39.	2.2	11
292	Across regions: Are most COVID-19 deaths above or below life expectancy?. <i>Germs</i> , 2021, 11, 59-65.	0.5	1
294	Change in outbreak epicentre and its impact on the importation risks of COVID-19 progression: A modelling study. <i>Travel Medicine and Infectious Disease</i> , 2021, 40, 101988.	1.5	25
295	Epidemiology of COVID-19 in Mexico: Symptomatic profiles and presymptomatic people. <i>International Journal of Infectious Diseases</i> , 2021, 104, 572-579.	1.5	33
296	In the eye of the storm: <scp>SARSâ€CoVâ€2</scp> infection and replication at the ocular surface?. <i>Stem Cells Translational Medicine</i> , 2021, 10, 976-986.	1.6	28
297	Longitudinal virological changes and underlying pathogenesis in hospitalized COVID-19 patients in Guangzhou, China. <i>Science China Life Sciences</i> , 2021, 64, 2129-2143.	2.3	3
299	SARS-CoV-2 and Coronavirus Ancestors under a Molecular Scope. , 0, , .		0
300	COVID-19: Why does disease severity vary among individuals?. <i>Respiratory Medicine</i> , 2021, 180, 106356.	1.3	53
301	In silico characterization of mutations circulating in SARS-CoV-2 structural proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8216-8231.	2.0	11
302	Geographical Variations in Host Predisposition to COVID-19 Related Anosmia, Ageusia, and Neurological Syndromes. <i>Frontiers in Medicine</i> , 2021, 8, 661359.	1.2	14
303	Bioinformatic analysis of the whole genome sequences of SARS-CoV-2 from Indonesia. <i>Iranian Journal of Microbiology</i> , 2021, 13, 145-155.	0.8	3

#	ARTICLE	IF	CITATIONS
304	Biorepositories (biobanks) of human body fluids and materials as archives for tracing early infections of COVID-19. <i>Environmental Pollution</i> , 2021, 274, 116525.	3.7	4
305	Genetic Diversity of SARS-CoV-2 over a One-Year Period of the COVID-19 Pandemic: A Global Perspective. <i>Biomedicines</i> , 2021, 9, 412.	1.4	22
306	The Role of the SARS-CoV-2 S-Protein Glycosylation in the Interaction of SARS-CoV-2/ACE2 and Immunological Responses. <i>Viral Immunology</i> , 2021, 34, 165-173.	0.6	36
307	New framework for recombination and adaptive evolution analysis with application to the novel coronavirus SARS-CoV-2. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	7
308	Clinical outcomes of COVID-19 in patients with rheumatic diseases: A systematic review and meta-analysis of global data. <i>Autoimmunity Reviews</i> , 2021, 20, 102778.	2.5	47
309	Learning vector quantization as an interpretable classifier for the detection of SARS-CoV-2 types based on their RNA sequences. <i>Neural Computing and Applications</i> , 2022, 34, 67-78.	3.2	6
310	Evolving Epidemiological Characteristics of COVID-19 in Hong Kong From January to August 2020: Retrospective Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e26645.	2.1	27
311	Pleiotropic Effects of Tetracyclines in the Management of COVID-19: Emerging Perspectives. <i>Frontiers in Pharmacology</i> , 2021, 12, 642822.	1.6	43
312	Estimating the minimum number of SARS-CoV-2 infected cases needed to detect viral RNA in wastewater: To what extent of the outbreak can surveillance of wastewater tell us?. <i>Environmental Research</i> , 2021, 195, 110748.	3.7	64
313	Identification of Epidemiological Traits by Analysis of SARS-CoV-2 Sequences. <i>Viruses</i> , 2021, 13, 764.	1.5	5
314	Influence of socio-economic indicators and territorial networks at the spatiotemporal spread dynamics of Covid-19 in Brazil. <i>Sociedade & Natureza</i> , 0, 33, .	0.0	1
316	Dissemination and evolution of SARS-CoV-2 in the early pandemic phase in South America. <i>Journal of Medical Virology</i> , 2021, 93, 4496-4507.	2.5	5
317	Impact of virus genetic variability and host immunity for the success of COVID-19 vaccines. <i>Biomedicine and Pharmacotherapy</i> , 2021, 136, 111272.	2.5	84
319	Comparison and clinical characteristics of COVID-19 between January and February 2020 in Wuhan, China. <i>Annals of Palliative Medicine</i> , 2021, 10, 4201-4213.	0.5	1
320	Analysis of the Evolutionary pattern of SARS-CoV-2 and its implications in the spread of the disease. <i>Research Journal of Pharmacy and Technology</i> , 2021, , 2229-2232.	0.2	5
321	UMAP-assisted K-means clustering of large-scale SARS-CoV-2 mutation datasets. <i>Computers in Biology and Medicine</i> , 2021, 131, 104264.	3.9	57
322	Mutational heterogeneity in spike glycoproteins of severe acute respiratory syndrome coronavirus 2. <i>3 Biotech</i> , 2021, 11, 236.	1.1	1
323	Coronavirus 2019 Infectious Disease Epidemic: Where We Are, What Can Be Done and Hope For. <i>Journal of Thoracic Oncology</i> , 2021, 16, 546-571.	0.5	25

#	ARTICLE	IF	CITATIONS
326	COVID-19 Epidemic in Malaysia: Epidemic Progression, Challenges, and Response. <i>Frontiers in Public Health</i> , 2021, 9, 560592.	1.3	87
327	Reactivation of SARS-CoV-2 infection following recovery from COVID-19. <i>Journal of Infection and Public Health</i> , 2021, 14, 620-627.	1.9	12
329	An Evolutionary Portrait of the Progenitor SARS-CoV-2 and Its Dominant Offshoots in COVID-19 Pandemic. <i>Molecular Biology and Evolution</i> , 2021, 38, 3046-3059.	3.5	54
330	Global and local mutations in Bangladeshi SARS-CoV-2 genomes. <i>Virus Research</i> , 2021, 297, 198390.	1.1	16
331	Clinical Spectrum, Geographical Variability of COVID-19, and its Implications. <i>Coronaviruses</i> , 2021, 2, .	0.2	0
332	Challenges Caused by Imported Cases Abroad for the Prevention and Control of COVID-19 in China. <i>Frontiers in Medicine</i> , 2021, 8, 573726.	1.2	7
333	Integrating Phylogenetic Biomarker Data and Qualitative Approaches: An Example of HIV Transmission Clusters as a Sampling Frame for Semistructured Interviews and Implications for the COVID-19 Era. <i>Journal of Mixed Methods Research</i> , 2021, 15, 327-347.	1.8	5
334	Testing at scale during the COVID-19 pandemic. <i>Nature Reviews Genetics</i> , 2021, 22, 415-426.	7.7	261
335	A hijack mechanism of Indian SARS-CoV-2 isolates for relapsing contemporary antiviral therapeutics. <i>Computers in Biology and Medicine</i> , 2021, 132, 104315.	3.9	10
336	A global analysis of replacement of genetic variants of SARS-CoV-2 in association with containment capacity and changes in disease severity. <i>Clinical Microbiology and Infection</i> , 2021, 27, 750-757.	2.8	19
337	Biomolecular modeling thrives in the age of technology. <i>Nature Computational Science</i> , 2021, 1, 321-331.	3.8	61
338	A review of the presence of SARS-CoV-2 RNA in wastewater and airborne particulates and its use for virus spreading surveillance. <i>Environmental Research</i> , 2021, 196, 110929.	3.7	56
340	The concordance between the evolutionary trend and the clinical manifestation of the two SARS-CoV-2 variants. <i>National Science Review</i> , 2021, 8, nwab073.	4.6	2
341	The COVID-19 Disappeared: From Traumatic to Ambiguous Loss and the Role of the Internet for the Bereaved in Italy. <i>Frontiers in Psychiatry</i> , 2021, 12, 620583.	1.3	20
342	Novel human neutralizing mAbs specific for Spike-RBD of SARS-CoV-2. <i>Scientific Reports</i> , 2021, 11, 11046.	1.6	13
343	Natural plant products as potential inhibitors of RNA dependent RNA polymerase of Severe Acute Respiratory Syndrome Coronavirus-2. <i>PLoS ONE</i> , 2021, 16, e0251801.	1.1	25
344	Origin, evolution and global spread of SARS-CoV-2. <i>Comptes Rendus - Biologies</i> , 2021, 344, 57-75.	0.1	16
345	Genome-wide association analysis of COVID-19 mortality risk in SARS-CoV-2 genomes identifies mutation in the SARS-CoV-2 spike protein that colocalizes with P.1 of the Brazilian strain. <i>Genetic Epidemiology</i> , 2021, 45, 685-693.	0.6	14

#	ARTICLE	IF	CITATIONS
346	Role of SARS-CoV-2 and ACE2 variations in COVID-19. <i>Biomedical Journal</i> , 2021, 44, 235-244.	1.4	20
347	Assessing the nationwide impact of COVID-19 mitigation policies on the transmission rate of SARS-CoV-2 in Brazil. <i>Epidemics</i> , 2021, 35, 100465.	1.5	34
348	Epidemiological and clinical characteristics of cancer patients with COVID-19: A systematic review and meta-analysis of global data. <i>Cancer Letters</i> , 2021, 508, 30-46.	3.2	14
349	Evaluation of Microalgae Antiviral Activity and Their Bioactive Compounds. <i>Antibiotics</i> , 2021, 10, 746.	1.5	30
350	COVID-19 in Dental Settings: Novel Risk Assessment Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6093.	1.2	4
352	Characterization of SARS-CoV-2 different variants and related morbidity and mortality: a systematic review. <i>European Journal of Medical Research</i> , 2021, 26, 51.	0.9	88
355	Progression and Trends in Virus from Influenza A to COVID-19: An Overview of Recent Studies. <i>Viruses</i> , 2021, 13, 1145.	1.5	12
356	Review of epidemic, containment strategies, clinical management, and economic evaluation of COVID-19 pandemic. <i>Journal of the Formosan Medical Association</i> , 2021, 120, S6-S18.	0.8	16
357	Early Spread of COVID-19 in the Air-Polluted Regions of Eight Severely Affected Countries. <i>Atmosphere</i> , 2021, 12, 795.	1.0	20
358	Continental transmission of emerging COVID-19 on the 38° north latitude. <i>Journal of the Formosan Medical Association</i> , 2021, 120, S19-S25.	0.8	5
359	In-silico analysis of Covid-19 genome sequences of Indian origin: impact of mutations in identification of SARS-CoV-2. <i>Molecular and Cellular Probes</i> , 2021, 58, 101748.	0.9	2
360	Polyphenols Sourced from Terrestrial and Marine Plants as Coronavirus Reproduction Inhibitors. <i>Antibiotiki I Khimioterapiya</i> , 2021, 66, 62-81.	0.1	0
362	Therapeutic approaches to tackle COVID-19: An overview. <i>Indian Journal of Pharmacy and Pharmacology</i> , 2021, 8, 121-135.	0.1	0
363	Molecular benchmarks of a SARS-CoV-2 epidemic. <i>Nature Communications</i> , 2021, 12, 3633.	5.8	3
364	Association of clade-G SARS-CoV-2 viruses and age with increased mortality rates across 57 countries and India. <i>Infection, Genetics and Evolution</i> , 2021, 90, 104734.	1.0	13
365	Evolution trace of SARS-CoV-2 from January 19 to March 12, 2020, in the United States. <i>Journal of Medical Virology</i> , 2021, 93, 6595-6604.	2.5	1
366	Identification of Causal Genes of COVID-19 Using the SMR Method. <i>Frontiers in Genetics</i> , 2021, 12, 690349.	1.1	6
367	ACoRE: Accurate SARS-CoV-2 genome reconstruction for the characterization of intra-host and inter-host viral diversity in clinical samples and for the evaluation of re-infections. <i>Genomics</i> , 2021, 113, 1628-1638.	1.3	8

#	ARTICLE	IF	CITATIONS
368	Spatial Inequities in COVID-19 Testing, Positivity, Confirmed Cases, and Mortality in 3 U.S. Cities. <i>Annals of Internal Medicine</i> , 2021, 174, 936-944.	2.0	115
369	A Review on the Effectivity of the Current COVID-19 Drugs and Vaccines: Are They Really Working Against the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants?. <i>Current Clinical Microbiology Reports</i> , 2021, 8, 186-193.	1.8	19
370	Modeling neutral viral mutations in the spread of SARS-CoV-2 epidemics. <i>PLoS ONE</i> , 2021, 16, e0255438.	1.1	13
371	Enhanced sampling protocol to elucidate fusion peptide opening of SARS-CoV-2 spike protein. <i>Biophysical Journal</i> , 2021, 120, 2848-2858.	0.2	7
372	Genome-Wide Variation in Betacoronaviruses. <i>Journal of Virology</i> , 2021, 95, e0049621.	1.5	4
373	An Appraisal of the Current Scenario in Vaccine Research for COVID-19. <i>Viruses</i> , 2021, 13, 1397.	1.5	6
374	Comments on New Integrative Photomedicine Equipment for Photobiomodulation and COVID-19. <i>Photonics</i> , 2021, 8, 303.	0.9	4
375	The current reproduction number of COVID-19 in Saudi Arabia: is the disease controlled?. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44812-44817.	2.7	5
376	The analysis and forecasting COVID-19 cases in the United States using Bayesian structural time series models. <i>Biostatistics and Epidemiology</i> , 2022, 6, 1-15.	0.4	5
377	Ongoing global and regional adaptive evolution of SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	196
378	A Glimpse into the Diverse Cellular Immunity against SARS-CoV-2. <i>Vaccines</i> , 2021, 9, 827.	2.1	1
379	Detection of SARS-CoV-2 in Wastewater: Community Variability, Temporal Dynamics, and Genotype Diversity. <i>ACS ES&T Water</i> , 2021, 1, 1816-1825.	2.3	7
380	Unpredictable, Counter-Intuitive Geoclimatic and Demographic Correlations of COVID-19 Spread Rates. <i>Biology</i> , 2021, 10, 623.	1.3	7
381	The Pathogenic Features of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Possible Mechanisms for Immune Evasion?. <i>Frontiers in Immunology</i> , 2021, 12, 693579.	2.2	2
382	Temporal landscape of mutational frequencies in SARS-CoV-2 genomes of Bangladesh: possible implications from the ongoing outbreak in Bangladesh. <i>Virus Genes</i> , 2021, 57, 413-425.	0.7	7
383	Novel and emerging mutations of SARS-CoV-2: Biomedical implications. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111599.	2.5	28
384	Distribution of SARS-CoV-2 Lineages in the Czech Republic, Analysis of Data from the First Year of the Pandemic. <i>Microorganisms</i> , 2021, 9, 1671.	1.6	7
385	Hospital risk management at the time of Covid-19: An analysis of the Lombardy Region. <i>Mecosan</i> , 2021, , 97-116.	0.0	0

#	ARTICLE	IF	CITATIONS
386	Evolutionary Comparisons of Chelonid Alphaherpesvirus 5 (ChHV5) Genomes from Fibropapillomatosis-Afflicted Green (Chelonia mydas), Olive Ridley (Lepidochelys olivacea) and Kemp's Ridley (Lepidochelys kempii) Sea Turtles. <i>Animals</i> , 2021, 11, 2489.	1.0	6
387	A benchmarking study of SARS-CoV-2 whole-genome sequencing protocols using COVID-19 patient samples. <i>IScience</i> , 2021, 24, 102892.	1.9	39
388	Major Insights in Dynamics of Host Response to SARS-CoV-2: Impacts and Challenges. <i>Frontiers in Microbiology</i> , 2021, 12, 637554.	1.5	8
389	Multi-Organ Histopathological Changes in a Mouse Hepatitis Virus Model of COVID-19. <i>Viruses</i> , 2021, 13, 1703.	1.5	13
390	Mutational spectrum of SARS-CoV-2 during the global pandemic. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1229-1237.	3.2	30
391	Interactions between SARS coronavirus 2 papain-like protease and immune system: A potential drug target for the treatment of COVID-19. <i>Scandinavian Journal of Immunology</i> , 2021, 94, e13044.	1.3	32
392	The interaction of the severe acute respiratory syndrome coronavirus 2 spike protein with drug-inhibited angiotensin converting enzyme 2 studied by molecular dynamics simulation. <i>Journal of Hypertension</i> , 2021, 39, 1705-1716.	0.3	8
393	A tutorial on the balanced minimum evolution problem. <i>European Journal of Operational Research</i> , 2022, 300, 1-19.	3.5	4
394	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.	1.1	12
395	Molecular characterization of SARS-CoV-2 from Bangladesh: implications in genetic diversity, possible origin of the virus, and functional significance of the mutations. <i>Heliyon</i> , 2021, 7, e07866.	1.4	14
396	Recovery of Deleted Deep Sequencing Data Sheds More Light on the Early Wuhan SARS-CoV-2 Epidemic. <i>Molecular Biology and Evolution</i> , 2021, 38, 5211-5224.	3.5	24
397	Dynamically adjusted strategy in response to developments in the COVID-19 pandemic as a new normal. <i>Globalization and Health</i> , 2021, 17, 89.	2.4	10
398	NETosis and the Immune System in COVID-19: Mechanisms and Potential Treatments. <i>Frontiers in Pharmacology</i> , 2021, 12, 708302.	1.6	37
399	A comparative study on virology, epidemiology, and clinical features of SARS and COVID-19. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, , 1-23.	0.7	1
401	The incubation period of COVID-19: a global meta-analysis of 53 studies and a Chinese observation study of 11 545 patients. <i>Infectious Diseases of Poverty</i> , 2021, 10, 119.	1.5	56
402	Analysis of SARS-CoV-2 haplotypes and genomic sequences during 2020 in Victoria, Australia, in the context of putative deficits in innate immune deaminase anti-viral responses. <i>Scandinavian Journal of Immunology</i> , 2021, 94, e13100.	1.3	3
403	Seat assignment models for classrooms in response to Covid-19 pandemic. <i>Journal of the Operational Research Society</i> , 2023, 74, 527-539.	2.1	4
404	An assembly-free method of phylogeny reconstruction using short-read sequences from pooled samples without barcodes. <i>PLoS Computational Biology</i> , 2021, 17, e1008949.	1.5	0

#	ARTICLE	IF	CITATIONS
405	Development of a genotyping platform for SARS-CoV-2 variants using high-resolution melting analysis. <i>Journal of Infection and Chemotherapy</i> , 2021, 27, 1336-1341.	0.8	20
407	In silico study on the effect of SARS-CoV-2 RBD hotspot mutants' interaction with ACE2 to understand the binding affinity and stability. <i>Virology</i> , 2021, 561, 107-116.	1.1	44
408	Postacute Sequelae of Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>JACC Basic To Translational Science</i> , 2021, 6, 796-811.	1.9	50
409	Exploration of hosts and transmission traits for SARS-CoV-2 based on the k-mer natural vector. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104933.	1.0	4
410	Direct Activation of Endothelial Cells by SARS-CoV-2 Nucleocapsid Protein Is Blocked by Simvastatin. <i>Journal of Virology</i> , 2021, 95, e0139621.	1.5	52
411	Dating the Common Ancestor from an NCBI Tree of 83688 High-Quality and Full-Length SARS-CoV-2 Genomes. <i>Viruses</i> , 2021, 13, 1790.	1.5	15
412	COVID-19 and Networks. <i>New Generation Computing</i> , 2021, , 1-13.	2.5	1
413	A review on the COVID-19, its history, diagnostic approaches, role of herbs and current world scenario. <i>Biomedicine (India)</i> , 2021, 41, .	0.1	2
415	Temporal spread and evolution of SARS-CoV-2 in the second pandemic wave in Brazil. <i>Journal of Medical Virology</i> , 2022, 94, 926-936.	2.5	11
416	Origin, phylogeny, variability and epitope conservation of SARS-CoV-2 worldwide. <i>Virus Research</i> , 2021, 304, 198526.	1.1	5
417	Recent advances in detection technologies for COVID-19. <i>Talanta</i> , 2021, 233, 122609.	2.9	12
418	Study on SARS-CoV-2 strains in Iran reveals potential contribution of co-infection with and recombination between different strains to the emergence of new strains. <i>Virology</i> , 2021, 562, 63-73.	1.1	26
419	Nanostructured sensor platform based on organic polymer conjugated to metallic nanoparticle for the impedimetric detection of SARS-CoV-2 at various stages of viral infection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114392.	1.4	31
420	Evolutionary analysis and lineage designation of SARS-CoV-2 genomes. <i>Science Bulletin</i> , 2021, 66, 2297-2311.	4.3	26
421	Seq12, Seq12m, and Seq13m, peptide analogues of the spike glycoprotein shows antiviral properties against SARS-CoV-2: An in silico study through molecular docking, molecular dynamics simulation, and MM-PB/GBSA calculations. <i>Journal of Molecular Structure</i> , 2021, 1246, 131113.	1.8	11
422	Semantic Pattern Detection in COVID-19 Using Contextual Clustering and Intelligent Topic Modeling. <i>International Journal of E-Health and Medical Communications</i> , 2021, 13, 1-17.	1.4	1
423	Livelihood challenges and healthcare-seeking behavior of fishermen amidst the COVID-19 pandemic in the Sundarbans mangrove forest of Bangladesh. <i>Aquaculture</i> , 2022, 546, 737348.	1.7	23
424	CSF3 Is a Potential Drug Target for the Treatment of COVID-19. <i>Frontiers in Physiology</i> , 2020, 11, 605792.	1.3	12

#	ARTICLE	IF	CITATIONS
425	Partial N Gene Sequencing for SARS-CoV-2 Verification and Pathway Tracing. International Medical Case Reports Journal, 2021, Volume 14, 1-10.	0.3	5
426	A Comprehensive Summary of the Knowledge on COVID-19 Treatment. , 2021, 12, 155.		25
427	RNA-seq Reveals the Increased Risk of Heart and Cardiovascular Disease by SARS-CoV-2 Infection. , 2021, , .		0
428	Genome Sequences of COVID-19 from Jordanian Patients in Comparison with the Global Pandemic Strains and the Transmission Route. Journal of Biosciences and Medicines, 2021, 09, 77-93.	0.1	0
429	Analysis of Emerging Variants in Structured Regions of the SARS-CoV-2 Genome. Evolutionary Bioinformatics, 2021, 17, 117693432110141.	0.6	19
430	Comparison of the Diagnostic Value of Immunochromatography Kits in Corona Virus Disease 2019 Patients: A Prospective Pilot Study. JMA Journal, 2021, 4, 32-40.	0.6	1
431	TSP-based PCR for rapid identification of L and S type strains of SARS-CoV-2. Indian Journal of Medical Microbiology, 2021, 39, 73-80.	0.3	3
432	Sequencing the pandemic: rapid and high-throughput processing and analysis of COVID-19 clinical samples for 21st Century public health. F1000Research, 2021, 10, 48.	0.8	6
434	Advances, challenges and opportunities of phylogenetic and social network analysis using COVID-19 data. Briefings in Bioinformatics, 2022, 23, .	3.2	2
435	Comparison of spatio-temporal transmission characteristics of COVID-19 and its mitigation strategies in China and the US. Journal of Chinese Geography, 2020, 30, 1963-1984.	1.5	20
436	SARS-CoV-2: the emergence of a viral pathogen causing havoc on human existence. Journal of Genetics, 2020, 99, 1.	0.4	31
437	Structural Proteins in Severe Acute Respiratory Syndrome Coronavirus-2. Archives of Medical Research, 2020, 51, 482-491.	1.5	288
438	Evolutionary dynamics of the SARS-CoV-2 ORF8 accessory gene. Infection, Genetics and Evolution, 2020, 85, 104525.	1.0	102
439	Reply to Sánchez-Pacheco et al., Chookajorn, and Mavian et al.: Explaining phylogenetic network analysis of SARS-CoV-2 genomes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12524-12525.	3.3	19
440	Structural Racism in the COVID-19 Pandemic: Moving Forward. American Journal of Bioethics, 2021, 21, 56-74.	0.5	46
441	Perspectives on the development of neutralizing antibodies against SARS-CoV-2. Antibody Therapeutics, 2020, 3, 109-114.	1.2	41
442	Molecular Detection of SARS-CoV-2 Infection in FFPE Samples and Histopathologic Findings in Fatal SARS-CoV-2 Cases. American Journal of Clinical Pathology, 2020, 154, 190-200.	0.4	91
443	How do we share data in COVID-19 research? A systematic review of COVID-19 datasets in PubMed Central Articles. Briefings in Bioinformatics, 2021, 22, 800-811.	3.2	22

#	ARTICLE	IF	CITATIONS
504	Retrospective Post-mortem SARS-CoV-2 RT-PCR of Autopsies with COVID-19-Suggestive Pathology Supports the Absence of Lethal Community Spread in Basel, Switzerland, before February 2020. <i>Pathobiology</i> , 2021, 88, 95-105.	1.9	11
505	Unexpected low burden of coronavirus disease 2019 (COVID-19) in sub-Saharan Africa region despite disastrous predictions: reasons and perspectives. <i>Pan African Medical Journal</i> , 2020, 37, 352.	0.3	11
506	Molecular targets and system biology approaches for drug repurposing against SARS-CoV-2. <i>Bulletin of the National Research Centre</i> , 2020, 44, 193.	0.7	7
507	Time-lapse sentinel surveillance of SARS-CoV-2 spread in India. <i>PLoS ONE</i> , 2020, 15, e0241172.	1.1	3
508	SARS-CoV-2 transmission routes from genetic data: A Danish case study. <i>PLoS ONE</i> , 2020, 15, e0241405.	1.1	22
509	Variant analysis of 1,040 SARS-CoV-2 genomes. <i>PLoS ONE</i> , 2020, 15, e0241535.	1.1	32
510	Corona-Bonds und EU-Verschuldung: Zukunftsvision oder Europäische Naivität?. <i>Zeitschrift für Wirtschaftspolitik</i> , 2020, 69, 148-165.	0.1	1
511	COVID-19: molecular targets, drug repurposing and new avenues for drug discovery. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2020, 115, e200254.	0.8	26
512	Differential Diagnosis of COVID-19: Importance of Measuring Blood Lymphocytes, Serum Electrolytes, and Olfactory and Taste Functions. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 252, 109-119.	0.5	24
513	Clinical course and risk factors for recurrence of positive SARS-CoV-2 RNA: a retrospective cohort study from Wuhan, China. <i>Aging</i> , 2020, 12, 16675-16689.	1.4	38
514	Role of renin-angiotensin-aldosterone system in the interaction with coronavirus SARS-CoV-2 and in the development of strategies for prevention and treatment of new coronavirus infection (COVID-19). <i>Arterial Hypertension (Russian Federation)</i> , 2020, 26, 248-262.	0.1	12
515	Novel coronavirus infection. <i>Tuberculosis and Lung Diseases</i> , 2020, 98, 6-14.	0.2	10
516	A Snapshot of SARS-CoV-2 Genome Availability up to April 2020 and its Implications: Data Analysis. <i>JMIR Public Health and Surveillance</i> , 2020, 6, e19170.	1.2	44
517	Distribution of COVID-19 and Phylogenetic Tree Construction of SARS-CoV-2 in Indonesia. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 1035-1042.	0.3	16
518	SARS-CoV-2-related lung pathology: macroscopic and histologic features and their clinical implications. <i>Panminerva Medica</i> , 2022, 64, .	0.2	5
519	Spread of variants with gene N hot spot mutations in russian SARS-CoV-2 isolates. <i>Bulletin of Russian State Medical University</i> , 2020, , 21-26.	0.3	1
520	Phylogeography of SARS-CoV-2 pandemic in Spain: a story of multiple introductions, micro-geographic stratification, founder effects, and super-spreaders. <i>Zoological Research</i> , 2020, 41, 605-620.	0.9	34
521	Population Risk Factors for COVID-19 Mortality in 93 Countries. <i>Journal of Epidemiology and Global Health</i> , 2020, 10, 204.	1.1	80

#	ARTICLE	IF	CITATIONS
522	Impact of Genetic Variability in ACE2 Expression on the Evolutionary Dynamics of SARS-CoV-2 Spike D614G Mutation. <i>Genes</i> , 2021, 12, 16.	1.0	19
523	COVID-19: What We Know So Far. <i>International Journal of Clinical Research</i> , 2020, 1, 73-108.	0.1	1
524	Comprehensive analysis of drugs to treat SARS-CoV-2 infection: Mechanistic insights into current COVID-19 therapies (Review). <i>International Journal of Molecular Medicine</i> , 2020, 46, 467-488.	1.8	116
525	COVID-19: Coronavirus replication, pathogenesis, and therapeutic strategies. <i>Cleveland Clinic Journal of Medicine</i> , 2020, 87, 321-327.	0.6	43
526	An Overview of the Genetic Variations of the SARS-CoV-2 Genomes Isolated in Southeast Asian Countries. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 962-966.	0.9	12
527	Analysis of RNA sequences of 3636 SARS-CoV-2 collected from 55 countries reveals selective sweep of one virus type. <i>Indian Journal of Medical Research</i> , 2020, 151, 450.	0.4	67
528	Mapping the genomic landscape & diversity of COVID-19 based on >3950 clinical isolates of SARS-CoV-2: Likely origin & transmission dynamics of isolates sequenced in India. <i>Indian Journal of Medical Research</i> , 2020, 151, 474.	0.4	17
529	Management of Allergic Patients During the COVID-19 Pandemic in Asia. <i>Allergy, Asthma and Immunology Research</i> , 2020, 12, 783.	1.1	14
530	How Geneticists Contribute to Understanding of Covid-19 Disease Pathogenicity. <i>Acta Endocrinologica</i> , 2020, 16, 346-352.	0.1	5
531	Collection of SARS-CoV-2 Virus from the Air of a Clinic within a University Student Health Care Center and Analyses of the Viral Genomic Sequence. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1167-1171.	0.9	63
532	Demystifying a Possible Relationship between COVID-19, Air Quality and Meteorological Factors: Evidence from Kuala Lumpur, Malaysia. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1520-1529.	0.9	66
533	Genomic diversity and evolution, diagnosis, prevention, and therapeutics of the pandemic COVID-19 disease. <i>PeerJ</i> , 2020, 8, e9689.	0.9	34
535	COVID-19 and the 1918 influenza pandemics: a concise overview and lessons from the past. <i>Open Health</i> , 2021, 2, 40-49.	0.4	1
536	Synthetic Lethality-Based Prediction of Anti-SARS-CoV-2 Targets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
537	A comprehensive review of the analysis and integration of omics data for SARS-CoV-2 and COVID-19. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	9
538	Isolation and Genomic Analyses of an Early SARS-CoV-2 Strains from the 2020 Epidemic in Gwangju, South Korea. <i>Journal of Bacteriology and Virology</i> , 2021, 51, 138-147.	0.0	0
539	Functional Effects of Receptor-Binding Domain Mutations of SARS-CoV-2 B.1.351 and P.1 Variants. <i>Frontiers in Immunology</i> , 2021, 12, 757197.	2.2	20
540	Evaluation of global evolutionary variations in the early stage of SARS-CoV-2 pandemic. <i>Heliyon</i> , 2021, 7, e08170.	1.4	0

#	ARTICLE	IF	CITATIONS
541	The Resolved Mutual Information Function as a Structural Fingerprint of Biomolecular Sequences for Interpretable Machine Learning Classifiers. <i>Entropy</i> , 2021, 23, 1357.	1.1	3
543	Controllable SiO _x Nanorod Memristive Neuron for Probabilistic Bayesian Inference. <i>Advanced Materials</i> , 2022, 34, e2104598.	11.1	17
544	Biological Significance of the Genomic Variation and Structural Dynamics of SARS-CoV-2 B.1.617. <i>Frontiers in Microbiology</i> , 2021, 12, 750725.	1.5	11
545	Healthcare Management During a Pandemic: The Other Side of the Coin for the Treatment of Covid-19 Infection. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, .	0.6	1
546	A novel benchmark for COVID-19 pandemic testing effectiveness enables the accurate prediction of new Intensive Care Unit admissions. <i>Scientific Reports</i> , 2021, 11, 20308.	1.6	3
547	COVID-19: A review of newly formed viral clades, pathophysiology, therapeutic strategies and current vaccination tasks. <i>International Journal of Biological Macromolecules</i> , 2021, , .	3.6	14
548	Olfactory and Taste Dysfunction in Coronavirus Disease 2019 Pandemic. <i>Indian Journal of Otolaryngology and Head and Neck Surgery</i> , 2021, , 1-8.	0.3	1
549	Scalable Reconstruction of SARS-CoV-2 Phylogeny with Recurrent Mutations. <i>Journal of Computational Biology</i> , 2021, 28, 1130-1141.	0.8	2
550	SARS-CoV-2: Current trends in emerging variants, pathogenesis, immune responses, potential therapeutic, and vaccine development strategies. <i>International Immunopharmacology</i> , 2021, 101, 108232.	1.7	14
551	Is It Scaly Anteater or Bat A Real Origin of The 2019-Novel CoV: A Probable Hypothesis?. <i>Kurdistan Journal of Applied Research</i> , 0, , 1-12.	0.4	2
571	COVID19 - Brief review of SARS-CoV-2. <i>Rebiol</i> , 2020, 40, 99-108.	0.1	0
572	Real time polymerase chain reaction for detecting SARS-COV-2 in Indonesia: are the results reliable?. <i>Universa Medicina</i> , 2020, 39, 71-73.	0.1	1
573	Preliminary Clinical and Epidemiological Analysis of the First 1,000 Pediatric COVID-19 Cases in Moscow Region. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2020, 97, 202-213.	0.3	6
575	BATS - A PANDORA'S BOX FOR VIRUSES IN THE 21 st CENTURY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020, 89, 58-65.	0.2	0
576	Coronavirus-SARS-CoV-2: Biology and Problems in rRT-PCR Detection. <i>Borneo Journal of Pharmacy</i> , 2020, 3, 136-145.	0.1	0
577	Corona-Like Illness: Did we get it before WHO Announcement of the Disease? A Cross-sectional Survey. <i>Electronic Journal of General Medicine</i> , 2020, 17, em258.	0.3	0
588	Phylogenetic Analysis of Spike and Envelope Proteins for a Number of Bat Coronaviruses for Understanding the Hypothesis of Possible Origin for the Novel 2019-nCoV. <i>Kurdistan Journal of Applied Research</i> , 0, , 137-144.	0.4	0
589	GENOMICS OF SARS-COV-2: A STUDY. , 2020, , 36-37.		0

#	ARTICLE	IF	CITATIONS
591	Coronavirus disease 2019 (COVID-19): diagnosis and prognosis. <i>Asia-Pacific Journal of Blood Types and Genes</i> , 2020, 4, 96-107.	0.1	4
592	Analysis of why Black, Asian and Minority Ethnic (BAME) groups in the UK are harder hit by COVID-19, and how to minimise the risks. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	2
593	COVID-19 in Cuba: Assessing the National Response. <i>MEDICC Review</i> , 2020, 22, 29-34.	0.5	6
594	Genetic characterization of SARS-CoV-2 & implications for epidemiology, diagnostics & vaccines in India. <i>Indian Journal of Medical Research</i> , 2020, 152, 12.	0.4	4
595	A Controllable Inflammatory Response and Temporary Abnormal Coagulation in Moderate Disease of COVID-19 in Wuhan, China. <i>Journal of Clinical Medicine Research</i> , 2020, 12, 590-597.	0.6	2
596	Unbiased Local Sequencing Similarity Analysis for SARS-CoV-2 Worldwide. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
597	Immune response in SARS-CoV-2. <i>Journal of Family Medicine and Primary Care</i> , 2020, 9, 5074.	0.3	0
599	Semantic Link Network for Understanding and Representing Reality in Cyber-Physical-Social Spaceâ€”A Model for Managing COVID-19 Pandemic. , 2020, , 245-317.		0
600	COVID-19: Review on Its Etiology, Pathogenesis, and Existence in Humans. <i>Biocell</i> , 2020, 44, 461-467.	0.4	1
603	Evolutionary Perspective and Theories on the Possible Origin of SARS-CoV-2. <i>Cureus</i> , 2021, 13, e18981.	0.2	1
604	Ancestral Area Reconstruction of SARS-CoV-2 Indicates Multiple Sources of Entry into Australia. <i>Open Bioinformatics Journal</i> , 2021, 14, 13-20.	1.0	0
605	Genomic diversity of SARS-CoV-2 in Malaysia. <i>PeerJ</i> , 2021, 9, e12449.	0.9	2
606	First whole genome analysis of the novel coronavirus (SARS-CoV-2) obtained from COVID-19 patients from five districts in Western Serbia. <i>Epidemiology and Infection</i> , 0, , 1-31.	1.0	5
607	Combinatorial characterization of a certain class of words and a conjectured connection with general subclasses of phylogenetic tree-child networks. <i>Scientific Reports</i> , 2021, 11, 21875.	1.6	5
608	Clinical and biochemical indexes of 11 COVIDâ€™19 patientsÂ—and the genome sequence analysis of the tested SARSâ€™CoVâ€™2. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e24088.	0.9	2
609	Identification of potential inhibitors of coronavirus SARS-CoV-2 using the methods of virtual screening and molecular modeling. , 2020, 64, 308-316.	0.0	0
615	Inferring evolutionary pathways and directed genotype networks of foodborne pathogens. <i>PLoS Computational Biology</i> , 2020, 16, e1008401.	1.5	3
616	Errors in Tracing Coronavirus SARS-CoV-2 Transmission Using a Maximum Likelihood Tree. Comment on â€œA Snapshot of SARS-CoV-2 Genome Availability up to April 2020 and its Implications: Data Analysisâ€”, <i>JMIR Public Health and Surveillance</i> , 2020, 6, e23542.	1.2	1

#	ARTICLE	IF	CITATIONS
617	Authors' Reply to: Errors in Tracing Coronavirus SARS-CoV-2 Transmission Using a Maximum Likelihood Tree. Comment on "A Snapshot of SARS-CoV-2 Genome Availability up to April 2020 and its Implications: Data Analysis". JMIR Public Health and Surveillance, 2020, 6, e24661.	1.2	1
620	In silico identification of potential inhibitors of SARS-CoV-2 main protease using methods of virtual screening, docking, quantum chemistry and molecular dynamics. , 0, , .		0
622	Identification of Geographic Specific SARS-Cov-2 Mutations by Random Forest Classification and Variable Selection Methods. Statistics and Applications, 2020, 18, 253-268.	0.0	1
623	The Potential Role of Super Spread Events in SARS-COV-2 Pandemic; a Narrative Review. Archives of Academic Emergency Medicine, 2020, 8, e74.	0.2	5
625	Genetic Diversity and Evolution of the Biological Features of the Pandemic SARS-CoV-2. Acta Naturae, 2021, 13, 77-88.	1.7	0
627	Update of the epidemiological distribution of COVID-19 variants: a review article. Revista Da Associação Médica Brasileira, 2021, 67, 1368-1371.	0.3	1
628	Underlying selection for the diversity of spike protein sequences of SARS-CoV-2. IUBMB Life, 2022, 74, 213-220.	1.5	4
629	Computational Investigation on Natural Quinazoline Alkaloids as Potential Inhibitors of the Main Protease (Mpro) of SARS-CoV-2. Journal of Computational Biophysics and Chemistry, 2022, 21, 65-82.	1.0	3
630	Genetic Diversity and Evolution of the Biological Features of the Pandemic SARS-CoV-2. Acta Naturae, 2021, 13, 77-89.	1.7	7
631	COVID-19 among Nursing Staff: Settings and Regional Differences. Portuguese Journal of Public Health, 2021, 39, 131-136.	1.7	0
632	Persistence of SARS-CoV-2 infection on personal protective equipment (PPE). BMC Infectious Diseases, 2021, 21, 1169.	1.3	9
633	Control and Prevention of SARS-CoV-2 Outbreaks among Healthcare Workers from 129 Healthcare Facilities in Mexico. International Journal of Environmental Research and Public Health, 2021, 18, 11772.	1.2	1
634	Intestinal viral infections of SARS-CoV2 in the Indian community: Risk of virus spread in India. Journal of Medical Virology, 2022, 94, 1315-1329.	2.5	3
635	Genetic epidemiology using whole genome sequencing and haplotype networks revealed the linkage of SARS-CoV-2 infection in nosocomial outbreak. Infection Prevention in Practice, 2021, 3, 100190.	0.6	2
636	SARS-CoV-2 Nsp5 Protein Causes Acute Lung Inflammation, A Dynamical Mathematical Model. Frontiers in Systems Biology, 2021, 1, .	0.5	6
637	Anosmia in COVID-19: Underlying Mechanisms and Assessment of an Olfactory Route to Brain Infection (Russian translation). Juvenis Scientia, 2021, 7, 28-59.	0.1	1
639	Spatiotemporal Tracking of SARS-CoV-2 Variants using informative subtype markers and association graphs. , 2020, , .		1
640	Comparative analysis of existing platforms for the development of vaccines against dangerous and extremely dangerous viral infections with pandemic potential. BIOpreparations Prevention Diagnosis Treatment, 2021, 21, 225-233.	0.2	0

#	ARTICLE	IF	CITATIONS
641	SCOPE2: A Platform for Sars-CoV-2 Primer covErage Evaluation. , 2021, 2021, 2197-2200.		0
642	Applicability of several rooted phylogenetic network algorithms for representing the evolutionary history of SARS-CoV-2. BMC Ecology and Evolution, 2021, 21, 220.	0.7	2
643	Olfactory Dysfunction in Patients With Coronavirus Disease 2019: A Review. Frontiers in Neurology, 2021, 12, 783249.	1.1	18
644	COVID-19 Pandemic in Nigeria: A Story Worth Telling from the Eyes of Social Workers. , 2022, , 281-293.		1
645	Hybrid Modeling of Regional COVID-19 Transmission Dynamics in the U.S.. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 261-275.	7.3	1
646	Coronavirus GenBrowser for monitoring the transmission and evolution of SARS-CoV-2. Briefings in Bioinformatics, 2022, 23, .	3.2	18
647	Identification of SARS-CoV-2 Variants and Their Clinical Significance in Hefei, China. Frontiers in Medicine, 2021, 8, 784632.	1.2	9
648	A single nonsynonymous mutation on ZIKV E protein-coding sequences leads to markedly increased neurovirulence in vivo. Virologica Sinica, 2022, 37, 115-126.	1.2	6
650	Study of the sensitivity and specificity of smell and taste disorders as a predictive factor of SARS-CoV-2 infection among primary care healthcare professionals. BJGP Open, 2022, , BJGPO.2021.0141.	0.9	0
651	Severe versus common COVID-19: an early warning nomogram model. Aging, 2022, 14, 544-556.	1.4	3
652	CD8+ T-Cell Epitope Variations Suggest a Potential Antigen HLA-A2 Binding Deficiency for Spike Protein of SARS-CoV-2. Frontiers in Immunology, 2021, 12, 764949.	2.2	13
653	An interactive viral genome evolution network analysis system enabling rapid large-scale molecular tracing of SARS-CoV-2. Science Bulletin, 2022, 67, 665-669.	4.3	9
654	CRISPR-Cas3-based diagnostics for SARS-CoV-2 and influenza virus. IScience, 2022, 25, 103830.	1.9	25
656	Aptamersâ€™ Diagnostic and Therapeutic Solution in SARS-CoV-2. International Journal of Molecular Sciences, 2022, 23, 1412.	1.8	18
657	Differential COVID-19 Symptoms Given Pandemic Locations, Time, and Comorbidities During the Early Pandemic. Frontiers in Medicine, 2022, 9, 770031.	1.2	10
658	2-Dimensional genetic algorithm exhibited an essentiality of gene interaction for evolution. Journal of Theoretical Biology, 2022, 538, 111044.	0.8	0
659	The SARS-CoV-2 mutations versus vaccine effectiveness: New opportunities to new challenges. Journal of Infection and Public Health, 2022, 15, 228-240.	1.9	122
660	Transmissibility and pathogenicity of the severe acute respiratory syndrome coronavirus 2: A systematic review and meta-analysis of secondary attack rate and asymptomatic infection. Journal of Infection and Public Health, 2022, 15, 297-306.	1.9	0

#	ARTICLE	IF	CITATIONS
661	Rapid automated validation, annotation and publication of SARS-CoV-2 sequences to GenBank. Database: the Journal of Biological Databases and Curation, 2022, 2022, .	1.4	4
662	The evolution of the human healthcare system and implications for understanding our responses to COVID-19. Evolution, Medicine and Public Health, 2022, 10, 87-107.	1.1	3
663	Third waves of the COVID-19 pandemic: Prominence of initial public health Interference. Infectious Disorders - Drug Targets, 2022, 22, .	0.4	6
664	Phylogenetic Tests of Models of Viral Transmission. Frontiers in Virology, 2022, 2, .	0.7	1
665	The performance of outgroup-free rooting under evolutionary radiations. Molecular Phylogenetics and Evolution, 2022, 169, 107434.	1.2	3
666	SARS-CoV-2 emerging complexity and global dynamics. Chaos, 2021, 31, 123110.	1.0	2
669	Both simulation and sequencing data reveal coinfections with multiple SARS-CoV-2 variants in the COVID-19 pandemic. Computational and Structural Biotechnology Journal, 2022, 20, 1389-1401.	1.9	7
670	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.	2.2	15
672	Methods for sequencing the pandemic: benefits of rapid or high-throughput processing. F1000Research, 0, 10, 48.	0.8	5
673	Population Genomics Approaches for Genetic Characterization of SARS-CoV-2 Lineages. Frontiers in Medicine, 2022, 9, 826746.	1.2	7
674	Evolutionary dynamics of the severe acute respiratory syndrome coronavirus 2 genomes. Medical Review, 2022, 2, 3-22.	0.3	7
675	COVID-19 and the enteric system: rapidly propagating issues. Minerva Medica, 2022, , .	0.3	1
676	Continuous mutation of SARS-CoV-2 during migration via three routes at the beginning of the pandemic. PeerJ, 2022, 10, e12681.	0.9	3
677	Prevalence and risk of COVID-19 in patients with rheumatic diseases: a systematic review and meta-analysis. Clinical Rheumatology, 2022, 41, 2213-2223.	1.0	13
678	Prolonged Shedding of SARS-CoV-2 in Feces of COVID-19 Positive Patients: Trends in Genomic Variation in First and Second Wave. Frontiers in Medicine, 2022, 9, 835168.	1.2	17
679	The Runaway Evolution of SARS-CoV-2 Leading to the Highly Evolved Delta Strain. Molecular Biology and Evolution, 2022, 39, .	3.5	14
681	Using an Unsupervised Clustering Model to Detect the Early Spread of SARS-CoV-2 Worldwide. Genes, 2022, 13, 648.	1.0	1
682	Phylogeography and genomic epidemiology of SARS-CoV-2 in Italy and Europe with newly characterized Italian genomes between February-June 2020. Scientific Reports, 2022, 12, 5736.	1.6	6

#	ARTICLE	IF	CITATIONS
683	Evolutionary shift from purifying selection towards divergent selection of SARS-CoV2 favors its invasion into multiple human organs. <i>Virus Research</i> , 2022, 313, 198712.	1.1	5
684	Case Report: Respiratory Management With a 47-Day ECMO Support for a Critical Patient With COVID-19. <i>Frontiers in Medicine</i> , 2021, 8, 714387.	1.2	3
685	Occurrence of Spike Antigen Specific SARS-CoV-2 Antibodies in Pre-Pandemic Samples of Domestic Cats Raises New Questions. <i>Biology Bulletin</i> , 2021, 48, S75-S81.	0.1	1
686	Molecular Evolution of Severe Acute Respiratory Syndrome Coronavirus 2: Hazardous and More Hazardous Strains Behind the Coronavirus Disease 2019 Pandemic and Their Targeting by Drugs and Vaccines. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 763687.	1.8	3
687	Hotspots for mutations in the SARS-CoV-2 spike glycoprotein: a correspondence analysis. <i>Scientific Reports</i> , 2021, 11, 23622.	1.6	9
688	Immunization against severe acute respiratory syndrome Coronavirus 2: an overview. <i>African Health Sciences</i> , 2021, 21, 1574-83.	0.3	2
689	Construction and stochastic scale-free modelling of empirical, global, index-case SARS-CoV-2 transmission network. <i>Journal of Complex Networks</i> , 2021, 10, .	1.1	0
690	COVID-19: Post-recovery long-term symptoms among patients in Saudi Arabia. <i>PLoS ONE</i> , 2021, 16, e0260259.	1.1	13
691	COVID-19: pathogen characteristics, natural and adaptive immune response mechanisms, genetic diversity and distribution. <i>Proceedings of the National Academy of Sciences of Belarus, Medical Series</i> , 2021, 18, 497-512.	0.2	1
692	Rehabilitation in Acute COVID-19 Patients: A Japanese Retrospective, Observational, Multi-Institutional Survey. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 929-936.	0.5	4
693	The twin-beginnings of COVID-19 in Asia and Europe—“one prevails quickly. <i>National Science Review</i> , 2022, 9, nwab223.	4.6	22
694	Association between olfactory dysfunction and COVID-19 severity: A prospective study in a highly complex hospital in Peru. <i>Ear, Nose and Throat Journal</i> , 2021, , 014556132110666.	0.4	2
695	Unsupervised clustering analysis of SARS-Cov-2 population structure reveals six major subtypes at early stage across the world. , 2021, , .		0
696	A Multimodal Approach for the Risk Prediction of Intensive Care and Mortality in Patients with COVID-19. <i>Diagnostics</i> , 2022, 12, 56.	1.3	5
697	Advanced Functions Embedded in the Second Version of Database, Global Evaluation of SARS-CoV-2/hCoV-19 Sequences 2. <i>Frontiers in Medicine</i> , 2022, 9, 813964.	1.2	0
699	Development of antibody resistance in emerging mutant strains of SARS CoVâ€²: Impediment for COVIDâ€™19 vaccines. <i>Reviews in Medical Virology</i> , 2022, 32, e2346.	3.9	16
700	PipeCoV: a pipeline for SARS-CoV-2 genome assembly, annotation and variant identification. <i>PeerJ</i> , 2022, 10, e13300.	0.9	7
715	AutoCoV: tracking the early spread of COVID-19 in terms of the spatial and temporal patterns from embedding space by K-mer based deep learning. <i>BMC Bioinformatics</i> , 2022, 23, 149.	1.2	1

#	ARTICLE	IF	CITATIONS
717	Molecular Epidemiology of SARS-CoV-2 by Sequencing. <i>Methods in Molecular Biology</i> , 2022, 2452, 19-32.	0.4	0
720	Synthetic lethality-based prediction of anti-SARS-CoV-2 targets. <i>IScience</i> , 2022, 25, 104311.	1.9	7
721	Correlation between Post-COVID-19, Chemosensitive Function, Blood Group, and Oral Health-Related Quality of Life. <i>International Journal of Dentistry</i> , 2022, 2022, 1-8.	0.5	3
722	A database for retrieving information on SARS-CoV-2 S protein mutations based on correlation network analysis. <i>BMC Genomic Data</i> , 2022, 23, 34.	0.7	2
723	NGS data vectorization, clustering, and finding key codons in SARS-CoV-2 variations. <i>BMC Bioinformatics</i> , 2022, 23, 187.	1.2	2
724	Whole-genome sequencing & mutational analysis of SARS-CoV-2 from patients' faecal samples reveal the possible role in faecal-oral transmission. <i>Indian Journal of Medical Research</i> , 2022, 155, 205.	0.4	3
725	Unraveling the hurdles of a large COVID-19 epidemiological investigation by viral genomics. <i>Journal of Infection</i> , 2022, 85, 64-74.	1.7	0
726	System analysis of the fast global coronavirus disease 2019 (COVID-19) spread. Can we avoid future pandemics under global climate change?. <i>Communicative and Integrative Biology</i> , 2022, 15, 150-157.	0.6	2
727	Toward an observatory of the evolution of clinical trials through phylomemy reconstruction: the COVID-19 vaccines example. <i>Journal of Clinical Epidemiology</i> , 2022, , .	2.4	1
728	Determining Alloy Nucleation Core Origin and Grain Refinement Strategy Based on the Dependence Degree of Content Difference. <i>Metals</i> , 2022, 12, 946.	1.0	0
730	Drug repurposing for SARS-CoV-2 (COVID-19) treatment. , 2022, , 205-226.		2
731	Network approaches for modeling the effect of drugs and diseases. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	8
732	From the Wuhan-Hu-1 strain to the XD and XE variants: is targeting the SARS-CoV-2 spike protein still a pharmaceutically relevant option against COVID-19?. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1704-1714.	2.5	15
733	Covid-19 Pandemic and Human Behavioral Response. , 2022, 2, 4-13.		0
734	Proficiency testing for SARS-CoV-2 whole genome sequencing. <i>Pathology</i> , 2022, 54, 615-622.	0.3	3
735	COVID-19 disease and autoimmune disorders: A mutual pathway. <i>World Journal of Methodology</i> , 2022, 12, 200-223.	1.1	12
736	Exploring the dynamic variations of viral genomes via a novel genetic network. <i>Molecular Phylogenetics and Evolution</i> , 2022, , 107583.	1.2	0
737	Discussing the Effect of Students' Crisis Awareness on Emotion During the COVID-19 Pandemic From the Perspective of Trust. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	1

#	ARTICLE	IF	CITATIONS
738	Continent-wide evolutionary trends of emerging SARS-CoV-2 variants: dynamic profiles from Alpha to Omicron. <i>GeroScience</i> , 2022, 44, 2371-2392.	2.1	9
739	Prevalence and determinants of internet addiction among adults during the COVID-19 pandemic in Bangladesh: An online cross-sectional study. <i>Heliyon</i> , 2022, 8, e09967.	1.4	9
740	Visualization of confusion matrices with network graphs. <i>Journal of Chemometrics</i> , 2023, 37, .	0.7	3
741	Multi-species outbreak of SARS-CoV-2 Delta variant in a zoological institution, with the detection in two new families of carnivores. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	1.3	15
742	The molecular epidemiology of multiple zoonotic origins of SARS-CoV-2. <i>Science</i> , 2022, 377, 960-966.	6.0	123
743	Diminazene Aceturate Reduces Angiotensin II Constriction and Interacts with the Spike Protein of Severe Acute Respiratory Syndrome Coronavirus 2. <i>Biomedicine</i> , 2022, 10, 1731.	1.4	8
744	Mental Health Status of Teachers During the Second Wave of the COVID-19 Pandemic: A Web-Based Study in Bangladesh. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	12
745	Analysis of the Epidemiological Situation on the Pneumonia with Signs of Coronavirus Infection among the Population of the Republic of Kazakhstan. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2022, 10, 1235-1239.	0.1	0
746	PhyloView: A System to Visualize the Ecology of Infectious Diseases Using Phylogenetic Data. , 2022, , .		0
747	Perspective Chapter: Bioinformatics Study of the Evolution of SARS-CoV-2 Spike Protein. <i>Infectious Diseases</i> , 0, , .	4.0	0
748	Identification of SARS-CoV-2 inhibitors through phylogenetics and drug repurposing. <i>Structural Chemistry</i> , 2022, 33, 1789-1797.	1.0	3
749	Viral informatics: bioinformatics-based solution for managing viral infections. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	10
750	STARs (STrain-Amplicon-Seq), a targeted Nanopore sequencing workflow for SARS-CoV-2 diagnostics and genotyping. <i>Biology Methods and Protocols</i> , 0, , .	1.0	0
751	Development and Validation of an In-House Real-Time Reverse-Transcriptase Polymerase Chain Reaction Assay for SARS-CoV-2 Omicron Lineage Subtyping between BA.1 and BA.2. <i>Viruses</i> , 2022, 14, 1760.	1.5	0
753	Unsupervised clustering of SARS-CoV-2 using deep convolutional autoencoder. <i>Journal of Engineering and Applied Science</i> , 2022, 69, .	0.8	6
754	Epigenetic perspectives of COVID-19: Virus infection to disease progression and therapeutic control. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166527.	1.8	4
755	The mechanisms of immune response and evasion by the main SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 105044.	1.9	8
756	Computational demonstration of cheminformatics and machine learning in coronavirus drug discovery. , 2022, , 219-233.		1

#	ARTICLE	IF	CITATIONS
757	Efectos de la pandemia COVID-19 en el desarrollo de las MiPymes de cinco estados del Norte de México. , 2022, 8, 61-71.		0
758	Genetics and Biological Characteristics of SARS-CoV-2. , 2022, , 49-66.		0
759	Precision Medicine in Infectious Disease. , 2022, , 221-257.		2
760	Comparison of Intracellular Transcriptional Response of NHBE Cells to Infection with SARS-CoV-2 Washington and New York Strains. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	2
761	Development of a Deep Learning Generative Neural Network for Computer-Aided Design of Potential SARS-Cov-2 Inhibitors. <i>Mathematical Biology and Bioinformatics</i> , 2022, 17, 188-207.	0.1	2
763	An in silico pipeline approach uncovers a potentially intricate network involving spike SARS-CoV-2 RNA, RNA vaccines, host RNA-binding proteins (RBPs), and host miRNAs at the cellular level. <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 129.	1.5	1
764	Genomic surveillance of SARS-COV-2 reveals diverse circulating variant lineages in Nairobi and Kiambu Counties, Kenya. <i>BMC Genomics</i> , 2022, 23, .	1.2	0
765	In-silico analysis of multiepitope based vaccine targeting respiratory viruses SARS, MERS and SARS-CoV-2. <i>Minerva Biotechnology and Biomolecular Research</i> , 2022, 34, .	0.3	2
767	COVID-19 Whole-Genome Resequencing with Redundant Tiling PCR and Subtract-Based Amplicon Normalization Successfully Characterized SARS-CoV-2 Variants in Clinical Specimens. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2022, 2022, 1-8.	0.6	0
768	The Natural Products Withaferin A and Withanone from the Medicinal Herb <i>Withania somnifera</i> Are Covalent Inhibitors of the SARS-CoV-2 Main Protease. <i>Journal of Natural Products</i> , 2022, 85, 2340-2350.	1.5	11
770	Subtyping of major SARS-CoV-2 variants reveals different transmission dynamics based on 10 million genomes. , 0, , .		3
771	Epidemiological profiling of SARS-CoV-2 with focus on one-health approaches in mitigating COVID-19 pandemic. <i>Indian Journal of Animal Sciences</i> , 2022, 91, .	0.1	0
772	Bioinformatic Analysis of SARS-CoV-2 Genomes to Develop a Universal Coronavirus Vaccine. <i>Journal of Biosciences and Medicines</i> , 2022, 10, 84-97.	0.1	0
773	A Review of Potential Therapeutic Strategies for COVID-19. <i>Viruses</i> , 2022, 14, 2346.	1.5	3
774	In silico screening of potential antiviral inhibitors against SARS-CoV-2 main protease. <i>Molecular Simulation</i> , 2023, 49, 175-185.	0.9	2
775	Heparin mimetics as potential intervention for COVID-19 and their bio-manufacturing. <i>Synthetic and Systems Biotechnology</i> , 2023, 8, 11-19.	1.8	3
777	Improved Method for Rooting and Tip-Dating a Viral Phylogeny. <i>Springer Handbooks of Computational Statistics</i> , 2022, , 397-410.	0.2	4
778	Maturation of SARS-CoV-2 Spike-specific memory B cells drives resilience to viral escape. <i>IScience</i> , 2023, 26, 105726.	1.9	9

#	ARTICLE	IF	CITATIONS
779	An Exploration of the Safety of "Pneumonia Prevention No. 1" in Healthy Populations. <i>Infection and Drug Resistance</i> , 0, Volume 15, 6695-6701.	1.1	0
780	Using nanomaterials to address SARS-CoV-2 variants through development of vaccines and therapeutics. <i>Frontiers in Materials</i> , 0, 9, .	1.2	0
782	Safety and comfort of wearing face masks during the COVID-19 pandemic among employees of transport companies. <i>Meditcina Truda I Promyshlennaia Ekologiya</i> , 2022, 62, 670-679.	0.1	0
783	Molecular evolution of SARS-CoV-2 from December 2019 to August 2022. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	22
784	Prevalence and predictors of pornography exposure during the third wave of the COVID-19 pandemic: A web-based cross-sectional study on students in Bangladesh. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	0
785	Habitat connectivity and host relatedness influence virus spread across an urbanising landscape in a fragmentation-sensitive carnivore. <i>Virus Evolution</i> , 0, , .	2.2	0
786	COVID-19: Some Pathophysiological and Endocrine Aspects. <i>Journal of Biomedical and Clinical Research</i> , 2022, 15, 112-117.	0.1	0
788	Rapid evolution of a bacterial parasite during outbreaks in two <i>Daphnia</i> populations. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	2
790	Novel indicator for the spread of new coronavirus disease 2019 and its association with human mobility in Japan. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
791	Computational model for disease research. <i>Briefings in Bioinformatics</i> , 2023, 24, .	3.2	6
792	COVID-19: A state of art on immunological responses, mutations, and treatment modalities in riposte. <i>Journal of Infection and Public Health</i> , 2023, 16, 233-249.	1.9	7
793	Combinatorial and quantum techniques for large data sets: hypercubes and halocarbons. , 2023, , 187-217.		3
794	Visual and Quantitative Analyses of Virus Genomic Sequences using a Metric-based Algorithm. <i>WSEAS Transactions on Circuits and Systems</i> , 2022, 21, 323-348.	0.1	0
795	The species coalescent indicates possible bat and pangolin origins of the COVID-19 pandemic. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
796	An evolutionary algorithm based on parsimony for the multiobjective phylogenetic network inference problem. <i>Applied Soft Computing Journal</i> , 2023, 139, 110270.	4.1	1
797	SARS-CoV-2 wastewater-based epidemiology in an enclosed compound: A 2.5-year survey to identify factors contributing to local community dissemination. <i>Science of the Total Environment</i> , 2023, 875, 162466.	3.9	2
798	An integrated eco-evolutionary framework to predict population-level responses of climate-sensitive pathogens. <i>Current Opinion in Biotechnology</i> , 2023, 80, 102898.	3.3	2
800	Spike-mediated viral membrane fusion is inhibited by a specific anti-IFITM2 monoclonal antibody. <i>Antiviral Research</i> , 2023, 211, 105546.	1.9	2

#	ARTICLE	IF	CITATIONS
801	Inferring Phylogenetic Relationships using the Smith-Waterman Algorithm and Hierarchical Clustering. , 2022, , .		2
802	Influence of the COVID-19 pandemic on labor and childbirth care practices in Brazil: a cross-sectional study. BMC Pregnancy and Childbirth, 2023, 23, .	0.9	2
803	Topological Indices, Graph Spectra, Entropies, Laplacians, and Matching Polynomials of n-Dimensional Hypercubes. Symmetry, 2023, 15, 557.	1.1	7
804	Lessons Learnt from COVID-19: Computational Strategies for Facing Present and Future Pandemics. International Journal of Molecular Sciences, 2023, 24, 4401.	1.8	4
805	Towards a better understanding of the characteristics of fractal networks. Applied Network Science, 2023, 8, .	0.8	1
806	The impact of COVID-19 on liver injury in various age. World Journal of Virology, 0, 12, 91-99.	1.3	3
807	Genomic Surveillance of SARS-CoV-2 Variants in the Dominican Republic and Emergence of a Local Lineage. International Journal of Environmental Research and Public Health, 2023, 20, 5503.	1.2	2
810	Zoonoses and anthroponoses: Reverse transmission of pathogens. , 2023, , 1-49.		0
836	Enhancing The Felsenstein Method To Reinvigorate Phylogenetic Starting In The Big Data. , 2023, , .		0