Human Coronaviruses: What Do They Cause?

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Citation Report

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Development of a Nucleocapsid-Based Human Coronavirus Immunoassay and Estimates of Individuals Exposed to Coronavirus in a U.S. Metropolitan Population. Vaccine Journal, 2008, 15, 1805-1810.                  | 3.1 | 103       |
| 2  | Inhibition of the interaction between the SARS-CoV Spike protein and its cellular receptor by anti-histo-blood group antibodies. Glycobiology, 2008, 18, 1085-1093.   | 2.5 | 306       |
| 3  | Organ-Specific Attenuation of Murine Hepatitis Virus Strain A59 by Replacement of Catalytic Residues in the Putative Viral Cyclic Phosphodiesterase ns2. Journal of Virology, 2009, 83, 3743-3753.              | 3.4 | 37        |
| 4  | Viral genome cleavage with artificial ribonucleases: A new method to inactivate RNA-containing viruses. Doklady Biochemistry and Biophysics, 2009, 427, 221-224.  | 0.9 | 8         |
| 5  | Recently Discovered Human Coronaviruses. Clinics in Laboratory Medicine, 2009, 29, 715-724.   | 1.4 | 99        |
| 6  | Human Coronaviruses 229E and NL63: Close Yet Still So Far. Journal of the Formosan Medical Association, 2009, 108, 270-279.   | 1.7 | 48        |
| 7  | The lack of protective immunity against RSV in the elderly. Epidemiology and Infection, 2009, 137, 1687-1690.   | 2.1 | 9         |
| 8  | Renin–angiotensin system in human coronavirus pathogenesis. Future Virology, 2010, 5, 145-161.  | 1.8 | 46        |
| 9  | Role of emerging respiratory viruses in children with severe acute wheezing. Pediatric Pulmonology, 2010, 45, 585-591.  | 2.0 | 56        |
| 10 | Understanding Human Coronavirus HCoV-NL63~!2009-11-13~!2010-04-09~!2010-05-25~!. The Open Virology Journal, 2010, 4, 76-84.   | 1.8 | 137       |
| 11 | Differential Downregulation of ACE2 by the Spike Proteins of Severe Acute Respiratory Syndrome Coronavirus and Human Coronavirus NL63. Journal of Virology, 2010, 84, 1198-1205.                                | 3.4 | 429       |
| 12 | Fatal lower respiratory tract disease with human corona virus NL63 in an adult haematopoietic cell transplant recipient. Bone Marrow Transplantation, 2010, 45, 1115-1116.                                      | 2.4 | 53        |
| 13 | Severe Acute Respiratory Syndrome (SARS). Infectious Disease Clinics of North America, 2010, 24, 175-202.   | 5.1 | 76        |
| 14 | Burden of disease due to human coronavirus NL63 infections and periodicity of infection. Journal of Clinical Virology, 2010, 48, 104-108.   | 3.1 | 33        |
| 15 | Human coronaviruses are uncommon in patients with gastrointestinal illness. Journal of Clinical Virology, 2010, 48, 131-133.  | 3.1 | 68        |
| 16 | A Transmembrane Serine Protease Is Linked to the Severe Acute Respiratory Syndrome Coronavirus Receptor and Activates Virus Entry. Journal of Virology, 2011, 85, 873-882.                                      | 3.4 | 611       |
| 17 | Prevalence of human coronaviruses in adults with acute respiratory tract infections in Beijing, China. Journal of Medical Virology, 2011, 83, 291-297.  | 5.0 | 48        |
| 18 | Differentiation between Human Coronaviruses NL63 and 229E Using a Novel Double-Antibody Sandwich Enzyme-Linked Immunosorbent Assay Based on Specific Monoclonal Antibodies. Vaccine Journal, 2011, 18, 113-118. | 3.1 | 36        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Etiology of Suspected Pneumonia in Adults Admitted to a High-Dependency Unit in Blantyre, Malawi. American Journal of Tropical Medicine and Hygiene, 2011, 85, 105-112.                                     | 1.4  | 28        |
| 20 | Replication-dependent downregulation of cellular angiotensin-converting enzyme 2 protein expression by human coronavirus NL63. Journal of General Virology, 2012, 93, 1924-1929.                            | 2.9  | 128       |
| 21 | The first complete genome sequences of clinical isolates of human coronavirus 229E. Virus Genes, 2012, 45, 433-439.   | 1.6  | 30        |
| 22 | Replication of human coronaviruses SARS-CoV, HCoV-NL63 and HCoV-229E is inhibited by the drug FK506. Virus Research, 2012, 165, 112-117.  | 2.2  | 189       |
| 23 | Human coronavirus NL-63 infection in a Brazilian patient suspected of H1N1 2009 influenza infection: Description of a fatal case. Journal of Clinical Virology, 2012, 53, 82-84.                            | 3.1  | 27        |
| 24 | The dominance of human coronavirus OC43 and NL63 infections in infants. Journal of Clinical Virology, 2012, 53, 135-139.  | 3.1  | 161       |
| 25 | Coronaviruses., 2012,, 587-593.   |      | 20        |
| 26 | Ocular Tropism of Respiratory Viruses. Microbiology and Molecular Biology Reviews, 2013, 77, 144-156.   | 6.6  | 261       |
| 27 | Epidemiological and clinical features of human coronavirus infections among different subsets of patients. Influenza and Other Respiratory Viruses, 2013, 7, 1040-1047.                                     | 3.4  | 109       |
| 28 | Clinical features and viral diagnosis of two cases of infection with Middle East Respiratory Syndrome coronavirus: a report of nosocomial transmission. Lancet, The, 2013, 381, 2265-2272.                  | 13.7 | 370       |
| 29 | Emerging Human Middle East Respiratory Syndrome Coronavirus Causes Widespread Infection and Alveolar Damage in Human Lungs. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 882-886. | 5.6  | 96        |
| 30 | Isolation and Characterization of Current Human Coronavirus Strains in Primary Human Epithelial<br>Cell Cultures Reveal Differences in Target Cell Tropism. Journal of Virology, 2013, 87, 6081-6090.       | 3.4  | 126       |
| 31 | Middle East Respiratory Syndrome Coronavirus (MERS-CoV): A Perpetual Challenge. Annals of Saudi Medicine, 2013, 33, 427-436.  | 1.1  | 76        |
| 32 | Prevalence and Genetic Diversity Analysis of Human Coronavirus OC43 among Adult Patients with Acute Respiratory Infections in Beijing, 2012. PLoS ONE, 2014, 9, e100781.                                    | 2.5  | 11        |
| 33 | Evaluating Weight of Evidence in the Mystery of Balkan Endemic Nephropathy. Risk Analysis, 2014, 34, 1688-1705.   | 2.7  | 34        |
| 34 | Coronavirus. , 2014, , 109-116.   |      | 7         |
| 35 | Human coronavirus NL63 replication is cyclophilin A-dependent and inhibited by non-immunosuppressive cyclosporine A-derivatives including Alisporivir. Virus Research, 2014, 184, 44-53.                    | 2.2  | 122       |
| 36 | Ecology, evolution and classification of bat coronaviruses in the aftermath of SARS. Antiviral Research, 2014, 101, 45-56.  | 4.1  | 340       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 38 | Antiviral Natural Products and Herbal Medicines. Journal of Traditional and Complementary Medicine, 2014, 4, 24-35.  | 2.7  | 369       |
| 39 | A Kinome-Wide Small Interfering RNA Screen Identifies Proviral and Antiviral Host Factors in Severe Acute Respiratory Syndrome Coronavirus Replication, Including Double-Stranded RNA-Activated Protein Kinase and Early Secretory Pathway Proteins. Journal of Virology, 2015, 89, 8318-8333. | 3.4  | 68        |
| 40 | Respiratory Infections in the U.S. Military: Recent Experience and Control. Clinical Microbiology Reviews, 2015, 28, 743-800.  | 13.6 | 72        |
| 41 | Evidence for an Ancestral Association of Human Coronavirus 229E with Bats. Journal of Virology, 2015, 89, 11858-11870.   | 3.4  | 204       |
| 42 | Genome-Wide Screen Reveals Valosin-Containing Protein Requirement for Coronavirus Exit from Endosomes. Journal of Virology, 2015, 89, 11116-11128.   | 3.4  | 54        |
| 43 | Respiratory RNA Viruses. , 0, , 233-271.   |      | 3         |
| 44 | Avoiding Regions Symptomatic of Conformational and Functional Flexibility to Identify Antiviral Targets in Current and Future Coronaviruses. Genome Biology and Evolution, 2016, 8, 3471-3484.   | 2.5  | 7         |
| 45 | Human Coronaviruses: A Review of Virus–Host Interactions. Diseases (Basel, Switzerland), 2016, 4, 26.  | 2.5  | 474       |
| 46 | Molecular Basis of Coronavirus Virulence and Vaccine Development. Advances in Virus Research, 2016, 96, 245-286.   | 2.1  | 128       |
| 47 | Diversity and Evolutionary Histories of Human Coronaviruses NL63 and 229E Associated with Acute Upper Respiratory Tract Symptoms in Kuala Lumpur, Malaysia. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1058-1064.  | 1.4  | 13        |
| 48 | Respiratory RNA Viruses. Microbiology Spectrum, 2016, 4, .   | 3.0  | 35        |
| 49 | Recent insights into the development of therapeutics against coronavirus diseases by targeting N protein. Drug Discovery Today, 2016, 21, 562-572.   | 6.4  | 90        |
| 50 | A Comparative Review of Animal Models of Middle East Respiratory Syndrome Coronavirus Infection. Veterinary Pathology, 2016, 53, 521-531.  | 1.7  | 27        |
| 51 | Host Factors in Coronavirus Replication. Current Topics in Microbiology and Immunology, 2017, 419, 1-42.   | 1.1  | 379       |
| 52 | Complete Genome Sequence of Human Coronavirus Strain 229E Isolated from Plasma Collected from a Haitian Child in 2016. Genome Announcements, 2017, 5, .  | 0.8  | 5         |
| 53 | Prevalence and genetic diversity of coronaviruses in wild birds, Finland. Infection Ecology and Epidemiology, 2017, 7, 1408360.  | 0.8  | 23        |
| 54 | Structural characterization of the HCoV-229E fusion core. Biochemical and Biophysical Research Communications, 2018, 497, 705-712.   | 2.1  | 8         |
| 55 | Inhibition of Cytosolic Phospholipase A $<$ sub $>$ 2 $<$ /sub $>$ Î $\pm$ Impairs an Early Step of Coronavirus Replication in Cell Culture. Journal of Virology, 2018, 92, .  | 3.4  | 107       |

| #  | Article   | IF          | CITATIONS |
|----|---|-------------|-----------|
| 56 | Epidemiologic and Clinical Characteristics of Coronavirus and Bocavirus Respiratory Infections after Allogeneic Stem Cell Transplantation: A Prospective Single-Center Study. Biology of Blood and Marrow Transplantation, 2018, 24, 563-570. | 2.0         | 31        |
| 57 | Respiratory Viral Infections in Patients With Cancer or Undergoing Hematopoietic Cell Transplant. Frontiers in Microbiology, 2018, 9, 3097.   | 3.5         | 64        |
| 58 | Crystal structure of the post-fusion core of the <i>Human coronavirus 229E</i> spike protein at 1.86â€Ã resolution. Acta Crystallographica Section D: Structural Biology, 2018, 74, 841-851.  | 2.3         | 18        |
| 59 | A Rare Case of Human Coronavirus 229E Associated with Acute Respiratory Distress Syndrome in a Healthy Adult. Case Reports in Infectious Diseases, 2018, 2018, 1-4.   | 0.5         | 40        |
| 60 | Hosts and Sources of Endemic Human Coronaviruses. Advances in Virus Research, 2018, 100, 163-188.   | 2.1         | 756       |
| 61 | Structure of the SARS-CoV nsp12 polymerase bound to nsp7 and nsp8 co-factors. Nature Communications, 2019, 10, 2342.  | 12.8        | 688       |
| 62 | Discovery and Characterization of Novel Bat Coronavirus Lineages from Kazakhstan. Viruses, 2019, 11, 356.   | 3.3         | 11        |
| 63 | Synthesis and antiâ€coronavirus activity of a series of 1â€thiaâ€4â€azaspiro[4.5]decanâ€3â€one derivatives. Ar<br>Der Pharmazie, 2019, 352, e1800330.   | chiy<br>4.1 | 16        |
| 64 | Polymerases of Coronaviruses. , 2019, , 271-300.  |             | 22        |
| 65 | Human Coronavirus in Hospitalized Children With Respiratory Tract Infections: A 9-Year<br>Population-Based Study From Norway. Journal of Infectious Diseases, 2019, 219, 1198-1206.   | 4.0         | 120       |
| 66 | Emerging Diseases in Bats., 2019,, 274-279.   |             | 2         |
| 67 | Innate Immune Evasion by Human Respiratory RNA Viruses. Journal of Innate Immunity, 2020, 12, 4-20.   | 3.8         | 283       |
| 68 | Covid-19 pandemic and food: Present knowledge, risks, consumers fears and safety. Trends in Food Science and Technology, 2020, 105, 145-160.  | 15.1        | 68        |
| 69 | The Good, The Bad and The Ugly: A Mathematical Model Investigates the Differing Outcomes Among CoVID-19 Patients. Journal of the Indian Institute of Science, 2020, 100, 673-681.   | 1.9         | 11        |
| 70 | Novel insights into the treatment of SARS-CoV-2 infection: An overview of current clinical trials. International Journal of Biological Macromolecules, 2020, 165, 18-43.  | 7.5         | 35        |
| 71 | Natural protection of ocular surface from viral infections – A hypothesis. Medical Hypotheses, 2020, 143, 110082.   | 1.5         | 7         |
| 72 | Structural basis for translational shutdown and immune evasion by the Nsp1 protein of SARS-CoV-2. Science, 2020, 369, 1249-1255.  | 12.6        | 635       |
| 73 | COVID-19/SARS-CoV-2 Infection: Lysosomes and Lysosomotropism Implicate New Treatment Strategies and Personal Risks. International Journal of Molecular Sciences, 2020, 21, 4953.  | 4.1         | 41        |

| #  | ARTICLE  | IF  | Citations |
|----|--|-----|-----------|
| 74 | Description of a new biosafe procedure for cytological specimens from patients with COVIDâ€19 processed by liquidâ€based preparations. Cancer Cytopathology, 2020, 128, 905-909.   | 2.4 | 9         |
| 75 | Linear B-cell epitopes in the spike and nucleocapsid proteins as markers of SARS-CoV-2 exposure and disease severity. EBioMedicine, 2020, 58, 102911.  | 6.1 | 120       |
| 76 | Natural Antioxidants: A Review of Studies on Human and Animal Coronavirus. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.  | 4.0 | 33        |
| 77 | European Society For Emergency Medicine position paper on emergency medical systems' response to COVID-19. European Journal of Emergency Medicine, 2020, 27, 174-177.  | 1.1 | 82        |
| 78 | Rapid Antibody-Based COVID-19 Mass Surveillance: Relevance, Challenges, and Prospects in a Pandemic and Post-Pandemic World. Journal of Clinical Medicine, 2020, 9, 3372.  | 2.4 | 54        |
| 79 | Managing the COVID-19 Pandemic: Research Strategies Based on the Evolutionary and Molecular Characteristics of Coronaviruses. SN Comprehensive Clinical Medicine, 2020, 2, 1767-1776.  | 0.6 | 3         |
| 80 | Coronavirus interactions with the cellular autophagy machinery. Autophagy, 2020, 16, 2131-2139.  | 9.1 | 113       |
| 81 | HIV and Human Coronavirus Coinfections: A Historical Perspective. Viruses, 2020, 12, 937.  | 3.3 | 8         |
| 82 | Review of Current Vaccine Development Strategies to Prevent Coronavirus Disease 2019 (COVID-19). Toxicologic Pathology, 2020, 48, 800-809.   | 1.8 | 29        |
| 83 | Human coronaviruses 229E and OC43 replicate and induce distinct antiviral responses in differentiated primary human bronchial epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L926-L931. | 2.9 | 36        |
| 84 | Footprint of the host restriction factors APOBEC3 on the genome of human viruses. PLoS Pathogens, 2020, 16, e1008718.  | 4.7 | 56        |
| 85 | Coronavirus vaccine development: from SARS and MERS to COVID-19. Journal of Biomedical Science, 2020, 27, 104.   | 7.0 | 287       |
| 86 | Bat-Borne Coronaviruses in Jordan and Saudi Arabia: A Threat to Public Health?. Viruses, 2020, 12, 1413.   | 3.3 | 4         |
| 87 | Older adults lack SARS CoV-2 cross-reactive T lymphocytes directed to human coronaviruses OC43 and NL63. Scientific Reports, 2020, 10, 21447.  | 3.3 | 70        |
| 88 | Efectos de los coronavirus del sÃndrome respiratorio agudo grave (SARS-CoV) y del sÃndrome respiratorio del Medio Oriente (MERS-CoV) en el sistema nervioso. ¿Qué esperar del SARS-CoV-2?. Biomedica, 2020, 40, 173-179.                       | 0.7 | 8         |
| 89 | Advances in the relationship between coronavirus infection and cardiovascular diseases. Biomedicine and Pharmacotherapy, 2020, 127, 110230.  | 5.6 | 60        |
| 90 | SARS-CoV-2 Molecular and Phylogenetic analysis in COVID-19 patients: A preliminary report from Iran. Infection, Genetics and Evolution, 2020, 84, 104387.  | 2.3 | 18        |
| 91 | COVID-19—A Novel Zoonotic Disease: A Review of the Disease, the Virus, and Public Health Measures.<br>Asia-Pacific Journal of Public Health, 2020, 32, 145-153.  | 1.0 | 24        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 92  | Covid-19 in pregnant women and babies: What pediatricians need to know. Paediatric Respiratory Reviews, 2020, 35, 31-37.  | 1.8  | 13        |
| 93  | Overview of lethal human coronaviruses. Signal Transduction and Targeted Therapy, 2020, 5, 89.  | 17.1 | 218       |
| 94  | Human coronavirus data from four clinical trials of masks and respirators. International Journal of Infectious Diseases, 2020, 96, 631-633.   | 3.3  | 12        |
| 95  | COVID-19 in India: Are Biological and Environmental Factors Helping to Stem the Incidence and Severity?., 2020, 11, 480.  |      | 34        |
| 96  | Insights into the Recent 2019 Novel Coronavirus (SARS-CoV-2) in Light of Past Human Coronavirus Outbreaks. Pathogens, 2020, 9, 186.   | 2.8  | 434       |
| 97  | COVIDâ€19 and the eye. Ophthalmic and Physiological Optics, 2020, 40, 383-388.  | 2.0  | 23        |
| 98  | <p>Assessing Immune Response to SARS-CoV-2 Infection</p> . ImmunoTargets and Therapy, 2020, Volume 9, 111-114.  | 5.8  | 10        |
| 99  | Neurobiology of coronaviruses: Potential relevance for COVID-19. Neurobiology of Disease, 2020, 143, 105007.  | 4.4  | 42        |
| 100 | Epidemiology and phylogenetic analysis of respiratory viruses from 2012 to 2015 – A sentinel surveillance report from union territory of Puducherry, India. Clinical Epidemiology and Global Health, 2020, 8, 1225-1235.                                | 1.9  | 4         |
| 101 | Call for Papers: The Pathophysiology of COVID-19 and SARS-CoV-2 Infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1016-L1019.   | 2.9  | 16        |
| 102 | 1H, 13C, and 15N backbone and side chain chemical shift assignments of the SARS-CoV-2 non-structural protein 7. Biomolecular NMR Assignments, 2021, 15, 73-77.  | 0.8  | 6         |
| 103 | Genetic Screens Identify Host Factors for SARS-CoV-2 and Common Cold Coronaviruses. Cell, 2021, 184, 106-119.e14.   | 28.9 | 320       |
| 104 | The Perspective of Coronavirus Disease Outbreak: Epidemiology, Transmission, and Possible Treatment. Vector-Borne and Zoonotic Diseases, 2021, 21, 78-85.   | 1.5  | 5         |
| 105 | Developments in biosensors for CoV detection and future trends. Biosensors and Bioelectronics, 2021, 173, 112777.   | 10.1 | 78        |
| 106 | A highly specific and sensitive serological assay detects SARS-CoV-2 antibody levels in COVID-19 patients that correlate with neutralization. Infection, 2021, 49, 75-82.   | 4.7  | 118       |
| 107 | Ocular tropism of coronavirus (CoVs): a comparison of the interaction between the animal-to-human transmitted coronaviruses (SARS-CoV-1, SARS-CoV-2, MERS-CoV, CoV-229E, NL63, OC43, HKU1) and the eye. International Ophthalmology, 2021, 41, 349-362. | 1.4  | 25        |
| 108 | Application of Nanotechnology in the COVID-19 Pandemic. International Journal of Nanomedicine, 2021, Volume 16, 623-649.  | 6.7  | 60        |
| 109 | Pathogenic Human Coronaviruses. , 2021, , .   |      | 5         |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 110 | Proteomic Approaches to Study SARS-CoV-2 Biology and COVID-19 Pathology. Journal of Proteome Research, 2021, 20, 1133-1152.  | 3.7 | 27        |
| 111 | Selecting a stable solid form of remdesivir using microcrystal electron diffraction and crystal structure prediction. RSC Advances, 2021, 11, 17408-17412.                         | 3.6 | 9         |
| 112 | The anti-HCV, Sofosbuvir, versus the anti-EBOV Remdesivir against SARS-CoV-2 RNA dependent RNA polymerase in silico. Molecular Diversity, 2022, 26, 171-181.                       | 3.9 | 20        |
| 113 | Structural similarity-based prediction of host factors associated with SARS-CoV-2 infection and pathogenesis. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5868-5879. | 3.5 | 12        |
| 115 | Multiscale Airborne Infectious Disease Transmission. Applied and Environmental Microbiology, 2021, 87, .   | 3.1 | 15        |
| 116 | Serological assays and host antibody detection in coronavirus-related disease diagnosis. Archives of Virology, 2021, 166, 715-731.   | 2.1 | 15        |
| 117 | In silico study indicates antimalarials as direct inhibitors of SARS-CoV-2-RNA dependent RNA polymerase. Journal of Biomolecular Structure and Dynamics, 2021, , 1-18.             | 3.5 | 25        |
| 118 | Vaccine Development and Immune Responses in COVID-19: Lessons from the Past. , 2021, , 149-185.  |     | 1         |
| 119 | Pulmonary complications due to COVID-19 – a literature review. Polish Annals of Medicine, 0, , .   | 0.3 | 5         |
| 120 | Natural and Nature-Derived Products Targeting Human Coronaviruses. Molecules, 2021, 26, 448.   | 3.8 | 24        |
| 121 | COVID-19 and its effects on neurological expressions. , 2021, , 287-292.   |     | 0         |
| 122 | Bioactive Terpenes and Their Derivatives as Potential SARS-CoV-2 Proteases Inhibitors from Molecular Modeling Studies. Biomolecules, 2021, 11, 74.                                 | 4.0 | 40        |
| 123 | Medicinal plants: Treasure for antiviral drug discovery. Phytotherapy Research, 2021, 35, 3447-3483.   | 5.8 | 48        |
| 124 | Chloroquine and Hydroxychloroquine: Efficacy in the Treatment of the COVID-19. Pathogens, 2021, 10, 217.   | 2.8 | 25        |
| 125 | The history of the emergence and transmission of human coronaviruses. Onderstepoort Journal of Veterinary Research, 2021, 88, e1-e8.   | 1.2 | 17        |
| 126 | Resveratrol Inhibits HCoV-229E and SARS-CoV-2 Coronavirus Replication In Vitro. Viruses, 2021, 13, 354.  | 3.3 | 113       |
| 127 | Molecular Elucidation and Therapeutic Targeting for combating COVID19: Current Scenario and Future Prospective. Current Molecular Medicine, 2021, 21, .                            | 1.3 | 0         |
| 128 | Murine- $\hat{l}^2$ -coronavirus-induced neuropathogenesis sheds light on CNS pathobiology of SARS-CoV2. Journal of NeuroVirology, 2021, 27, 197-216.                              | 2.1 | 11        |

| #   | Article   | IF           | CITATIONS |
|-----|---|--------------|-----------|
| 129 | Structural insight into the binding interactions of NTPs and nucleotide analogues to RNA dependent RNA polymerase of SARS-CoV-2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 7230-7244.                           | 3.5          | 10        |
| 130 | Epidemiology of coronaviruses, genetics, vaccines, and scenario of current pandemic of coronavirus diseases 2019 (COVID-19): a fuzzy set approach. Human Vaccines and Immunotherapeutics, 2021, 17, 1296-1303.                  | <b>3.</b> 3  | 4         |
| 131 | Neurological risks and benefits of cytokineâ€based treatments in coronavirus disease 2019: from preclinical to clinical evidence. British Journal of Pharmacology, 2021, , .  | 5 <b>.</b> 4 | 2         |
| 132 | Coronaviruses in humans and animals: the role of bats in viral evolution. Environmental Science and Pollution Research, 2021, 28, 19589-19600.  | 5.3          | 40        |
| 133 | Neurological Complications of COVID-19: Underlying Mechanisms and Management. International Journal of Molecular Sciences, 2021, 22, 4081.  | 4.1          | 48        |
| 134 | Novel Corona-Virus Disease 2019 (COVID-19): A Perilous Life- Threatening Epidemic. Coronaviruses, 2021, 2, 215-222.   | 0.3          | 2         |
| 135 | A Canadian perspective on severe acute respiratory syndrome coronavirus 2 infection and treatment: how prevalent underlying inflammatory disease contributes to pathogenesis. Biochemistry and Cell Biology, 2021, 99, 173-194. | 2.0          | 3         |
| 137 | SARS-CoV-2 and other human coronavirus show genome patterns previously associated to reduced viral recognition and altered immune response. Scientific Reports, 2021, 11, 10696.  | 3.3          | 6         |
| 138 | A Cytopathic Effect-Based Tissue Culture Method for HCoV-OC43 Titration Using TMPRSS2-Expressing VeroE6 Cells. MSphere, 2021, 6, .  | 2.9          | 16        |
| 139 | Novel Canine Coronavirus Isolated from a Hospitalized Patient With Pneumonia in East Malaysia.<br>Clinical Infectious Diseases, 2022, 74, 446-454.  | 5 <b>.</b> 8 | 142       |
| 142 | Human Coronavirus NL63 Among Other Respiratory Viruses in Clinical Specimens of Egyptian Children and Raw Sewage Samples. Food and Environmental Virology, 2021, 13, 322-328.   | 3.4          | 2         |
| 143 | Studying some possible irritable bowel syndrome manifestations in COVID-19 patients. Revista Medico-chirurgicala A Societatii De Medici Si Naturalisti Din Iasi, 2021, 125, 199-208.  | 0.1          | 0         |
| 144 | Seroprevalence of human coronaviruses among patients visiting hospital-based sentinel sites in Uganda. BMC Infectious Diseases, 2021, 21, 585.  | 2.9          | 8         |
| 145 | Diagnostic Accuracy of a New Antigen Test for SARS-CoV-2 Detection. International Journal of Environmental Research and Public Health, 2021, 18, 6310.  | 2.6          | 13        |
| 147 | Human Kidney Spheroids and Monolayers Provide Insights into SARS-CoV-2 Renal Interactions. Journal of the American Society of Nephrology: JASN, 2021, 32, 2242-2254.  | 6.1          | 24        |
| 148 | Cross-Reactive Immune Responses toward the Common Cold Human Coronaviruses and Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Mini-Review and a Murine Study. Microorganisms, 2021, 9, 1643.                     | 3.6          | 19        |
| 149 | SARS-CoV-2: Origin, Pathogenesis and Therapeutic Interventions. Coronaviruses, 2021, 2, .   | 0.3          | 2         |
| 150 | Human Coronaviruses: Counteracting the Damage by Storm. Viruses, 2021, 13, 1457.  | 3.3          | 5         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 152 | Mathematical analysis of COVID-19 pandemic by using the concept of SIR model. Soft Computing, 2023, 27, 3477-3491.   | 3.6 | 5         |
| 153 | Evolutionary trajectory of SARS-CoV-2 and emerging variants. Virology Journal, 2021, 18, 166.  | 3.4 | 105       |
| 154 | Influenza Virus-like Particle (VLP) Vaccines Expressing the SARS-CoV-2 S Glycoprotein, S1, or S2 Domains. Vaccines, 2021, 9, 920.  | 4.4 | 16        |
| 155 | Differential pre-pandemic breast milk IgA reactivity against SARS-CoV-2 and circulating human coronaviruses in Ugandan and American mothers. International Journal of Infectious Diseases, 2021, 112, 165-172. | 3.3 | 6         |
| 156 | COVID-19, cytokines, inflammation, and spices: How are they related?. Life Sciences, 2021, 284, 119201.  | 4.3 | 68        |
| 157 | Exploring the diversity of coronavirus in sewage during COVID-19 pandemic: Don't miss the forest for the trees. Science of the Total Environment, 2021, 800, 149562.   | 8.0 | 14        |
| 158 | Clinical and Epidemiological Characteristics of Common Human Coronaviruses in Children: A Single Center Study, 2015–2019. Pediatric Infection and Vaccine, 2021, 28, 101.                                      | 0.4 | 2         |
| 159 | Temporal development and neutralising potential of antibodies against SARS-CoV-2 in hospitalised COVID-19 patients: An observational cohort study. PLoS ONE, 2021, 16, e0245382.                               | 2.5 | 14        |
| 160 | Coronaviruses., 2014,, 199-223.  |     | 18        |
| 161 | Human Acute and Chronic Viruses: Host-Pathogen Interactions and Therapeutics. , 2020, , 1-120.   |     | 3         |
| 162 | COVID-19 Analysis by Using Machine and Deep Learning. Studies in Big Data, 2020, , 31-63.  | 1.1 | 5         |
| 163 | HCoV-229E spike protein fusion activation by trypsin-like serine proteases is mediated by proteolytic processing in the S2′ region. Journal of General Virology, 2018, 99, 908-912.                            | 2.9 | 15        |
| 164 | Interaction of severe acute respiratory syndrome-coronavirus and NL63 coronavirus spike proteins with angiotensin converting enzyme-2. Journal of General Virology, 2008, 89, 2741-2745.                       | 2.9 | 67        |
| 168 | High Prevalence and Putative Lineage Maintenance of Avian Coronaviruses in Scandinavian Waterfowl. PLoS ONE, 2016, 11, e0150198.   | 2.5 | 30        |
| 169 | Biodiversity and epidemic potential of Chiropteran coronaviruses ( <i>Nidovirales: Coronaviridae</i> ). South of Russia: Ecology, Development, 2020, 15, 17-34.  | 0.4 | 6         |
| 170 | Antigenic properties of sARs-CoV-2/human/RUs/nsk-FRCFtM-1/2020 coronavirus isolate from a patient in novosibirsk. Jurnal Infektologii, 2020, 12, 42-50.  | 0.3 | 9         |
| 171 | Laboratory capability and surveillance testing for Middle East respiratory syndrome coronavirus infection in the WHO European Region, June 2013. Eurosurveillance, 2014, 19, 20923.                            | 7.0 | 12        |
| 172 | Self-sampling for analysis of respiratory viruses in a large-scale epidemiological study in Sweden. Eurosurveillance, 2015, 20, .  | 7.0 | 16        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 173 | Nationwide surveillance of acute interstitial pneumonia in Korea. Korean Journal of Pediatrics, 2009, 52, 324.  | 1.9 | 21        |
| 174 | Human Respiratory Coronaviruses Detected In Patients with InfluenzaLike Illness in Arkansas, USA. , 2014, 01, .   |     | 20        |
| 175 | Characterisation of human coronavirus-NL63 nucleocapsid protein. African Journal of Biotechnology, 2012, $11$ , .   | 0.6 | 2         |
| 176 | Neurological Consequences of 2019-nCoV Infection: A Comprehensive Literature Review. Cureus, 2020, 12, e8790.   | 0.5 | 16        |
| 177 | Global Prevalence of Adaptive and Prolonged Infections' Mutations in the Receptor-Binding Domain of the SARS-CoV-2 Spike Protein. Viruses, 2021, 13, 1974.  | 3.3 | 9         |
| 178 | SARS–CoV–2 and Food—How Confident Are We about Them?. Hygiene, 2021, 1, 80-98.  | 1.7 | 1         |
| 179 | Metabolic Modifications by Common Respiratory Viruses and Their Potential as New Antiviral Targets. Viruses, 2021, 13, 2068.  | 3.3 | 8         |
| 180 | Respiratory Infections. , 2010, , 67-82.  |     | 1         |
| 182 | Human coronaviruses in persons with acute respiratory infections in Ghana. Health Sciences Investigations Journal, 2020, , 5-11.  | 0.2 | 0         |
| 184 | Features and Interpretation of Olfactory and Gustatory Disorders in the Corona Virus Disease-19.<br>Journal of Physiology & Pathology in Korean Medicine, 2020, 34, 309-318.                          | 0.2 | 0         |
| 185 | Neurological diseases caused by coronavirus infection of the respiratory airways. Brain Science Advances, 2020, 6, 324-343.   | 0.9 | 3         |
| 186 | Relationship between human genetics and susceptibility to COVID-19 infection. The Applied Biology & Chemistry Journal, 0, , 60-66.  | 0.0 | 0         |
| 187 | The history of the emergence and transmission of human coronaviruses. Onderstepoort Journal of Veterinary Research, 2020, 87, .   | 1.2 | 0         |
| 188 | CORONAVIRUS VACCINE DEVELOPMENT: FROM SARS AND MERS TO COVID-19 (RUSSIAN TRANSLATION). Juvenis Scientia, 2020, 6, 41-80.  | 0.2 | 0         |
| 190 | Increased complications of COVID-19 in people with cardiovascular disease: Role of the renin–angiotensin-aldosterone system (RAAS) dysregulation. Chemico-Biological Interactions, 2022, 351, 109738. | 4.0 | 33        |
| 191 | Brief survey on phytochemicals to prevent COVID-19. Journal of the Indian Chemical Society, 2022, 99, 100244.   | 2.8 | 2         |
| 192 | SARS-CoV-2 and HIV-1: Should HIV-1-Infected Individuals in Sub-Saharan Africa Be Considered a Priority Group for the COVID-19 Vaccines?. Frontiers in Immunology, 2021, 12, 797117.                   | 4.8 | 4         |
| 193 | A Systematic Review on COVID-19 Vaccine Strategies, Their Effectiveness, and Issues. Vaccines, 2021, 9, 1387.   | 4.4 | 51        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 194 | Structureâ€"function analysis of the nsp14 N7â€"guanine methyltransferase reveals an essential role in <i>Betacoronavirus</i> replication. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .        | 7.1  | 26        |
| 195 | Precise location of two novel linear epitopes on the receptor-binding domain surface of MERS-CoV spike protein recognized by two different monoclonal antibodies. International Journal of Biological Macromolecules, 2022, 195, 609-619.       | 7.5  | 2         |
| 196 | Role of Immunity: Current Status of COVID-19-A Review. British Journal of Medical and Health Research, 2020, 7, 24-36.  | 0.1  | 0         |
| 198 | Detection of homologous recombination events in SARS-CoV-2. Biotechnology Letters, 2022, 44, 399-414.   | 2.2  | 11        |
| 199 | Alphacoronaviruses Are Common in Bats in the Upper Midwestern United States. Viruses, 2022, 14, 184.  | 3.3  | 2         |
| 200 | Integrated hepatic single-cell RNA sequencing and untargeted metabolomics reveals the immune and metabolic modulation of Qing-Fei-Pai-Du decoction in mice with coronavirus-induced pneumonia. Phytomedicine, 2022, 97, 153922.                 | 5.3  | 13        |
| 201 | Binding Studies of the Prodrug HAO472 to SARS-Cov-2 Nsp9 and Variants. ACS Omega, 2022, 7, 7327-7332.   | 3.5  | 10        |
| 202 | Total infectome characterization of respiratory infections in pre-COVID-19 Wuhan, China. PLoS Pathogens, 2022, 18, e1010259.  | 4.7  | 16        |
| 203 | Nigerian newspaper headlines on Covid-19: a reflection of government and citizens' perception and attitude. Cogent Arts and Humanities, 2022, 9, .  | 1.0  | 1         |
| 204 | SARS-CoV-2: Receptor and Co-receptor Tropism Probability. Current Microbiology, 2022, 79, 133.  | 2.2  | 24        |
| 205 | Mathematical Modeling to Predict COVID-19 Infection and Vaccination Trends. Journal of Clinical Medicine, 2022, 11, 1737.   | 2.4  | 1         |
| 206 | Conserved protein targets for developing pan-coronavirus drugs based on sequence and 3D structure similarity analyses. Computers in Biology and Medicine, 2022, 145, 105455.  | 7.0  | 3         |
| 207 | Impact of SARS-CoV-2 Mutations on Global Travel and the Increasing Number of Re-Infections: A Risk-Assessment Perspective. The Open Covid Journal, 2021, 1, 196-204.  | 0.2  | 2         |
| 208 | A Critical Discourse Analysis: TV advertorials on hope as a vaccine against COVID-19 Addaiyan Journal of Arts Humanities and Social Sciences, 0, , 22-31.   | 0.0  | 0         |
| 209 | Surveillance and Correlation of Severe Acute Respiratory Syndrome Coronavirus 2 Viral RNA, Antigen, Virus Isolation, and Self-Reported Symptoms in a Longitudinal Study With Daily Sampling. Clinical Infectious Diseases, 2022, 75, 1698-1705. | 5.8  | 8         |
| 212 | Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design. Pathogens and Global Health, 2023, 117, 134-151.   | 2.3  | 2         |
| 213 | Nitric-oxide enriched plasma-activated water inactivates 229E coronavirus and alters antiviral response genes in human lung host cells. Bioactive Materials, 2023, 19, 569-580.   | 15.6 | 17        |
| 214 | The Cellular Characterization of SARS-CoV-2 Spike Protein in Virus-Infected Cells Using the Receptor Binding Domain Binding Specific Human Monoclonal Antibodies. Journal of Virology, 0, , .   | 3.4  | 0         |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 215 | Human seasonal coronavirus neutralization and COVIDâ€19 severity. Journal of Medical Virology, 2022, 94, 4820-4829.   | 5.0  | 9         |
| 216 | Origin, evolution, and pathogenesis of coronaviruses., 2022,, 253-277.  |      | 0         |
| 217 | A virus–target host proteins recognition method based on integrated complexes data and seed extension. BMC Bioinformatics, 2022, 23, .  | 2.6  | 0         |
| 218 | Solanaceae Family Phytochemicals as Inhibitors of 3C-Like Protease of SARS-CoV-2: An In Silico Analysis. Molecules, 2022, 27, 4739.   | 3.8  | 2         |
| 219 | Bidirectional genome-wide CRISPR screens reveal host factors regulating SARS-CoV-2, MERS-CoV and seasonal HCoVs. Nature Genetics, 2022, 54, 1090-1102.  | 21.4 | 52        |
| 220 | Virtual screening of substances used in the treatment of SARS-CoV-2 infection and analysis of compounds with known action on structurally similar proteins from other viruses. Biomedicine and Pharmacotherapy, 2022, 153, 113432.              | 5.6  | 5         |
| 221 | A Comprehensive Review on COVID-19: Emphasis on Current Vaccination and Nanotechnology Aspects. Recent Patents on Nanotechnology, 2022, 16, .   | 1.3  | 0         |
| 222 | SARS-CoV-2 Invasion: What Happens to Other Respiratory Viruses?. Open Microbiology Journal, 2022, 16,   | 0.7  | 2         |
| 223 | Recent advances in the vaccine development for the prophylaxis of SARS Covid-19. International Immunopharmacology, 2022, 111, 109175.   | 3.8  | 5         |
| 224 | More tools for our toolkit: The application of HEL-299 cells and dsRNA-nanoparticles to study human coronaviruses in vitro. Virus Research, 2022, 321, 198925.  | 2.2  | 4         |
| 225 | Editorial: Human coronavirus research: 20 years since the SARS-CoV outbreak. Frontiers in Microbiology, 0, 13, .  | 3.5  | 1         |
| 226 | Antiviral effects of Korean Red Ginseng on human coronavirus OC43. Journal of Ginseng Research, 2023, 47, 329-336.  | 5.7  | 1         |
| 227 | COVIDâ€19: Clinical status of vaccine development to date. British Journal of Clinical Pharmacology, 2023, 89, 114-149.   | 2.4  | 8         |
| 228 | Global impact of COVID-19 on animal health and welfare. Indian Journal of Animal Sciences, 2022, 91, .  | 0.2  | 0         |
| 229 | SARS-CoV-2 variants of concern and spike protein mutational dynamics in a Swedish cohort during 2021, studied by Nanopore sequencing. Virology Journal, 2022, 19, .   | 3.4  | 5         |
| 230 | Insights on the possibility of SARS-CoV-2 transmission through the eyes. International Journal of Ophthalmology, 2022, 15, 1857-1863.   | 1.1  | 1         |
| 231 | On Classification and Taxonomy of Coronaviruses (Riboviria, Nidovirales, Coronaviridae) with Special Focus on Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2). Mathematical Biology and Bioinformatics, 2022, 17, 289-311. | 0.6  | 1         |
| 233 | Ferulic acid derivatives block coronaviruses HCoV-229E and SARS-CoV-2 replication in vitro. Scientific Reports, 2022, 12, .   | 3.3  | 5         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 234 | The role of IL-6 in coronavirus, especially in COVID-19. Frontiers in Pharmacology, 0, 13, .   | 3.5 | 15        |
| 235 | Cross-species transmission, evolution and zoonotic potential of coronaviruses. Frontiers in Cellular and Infection Microbiology, 0, 12, .  | 3.9 | 3         |
| 236 | Human Coronavirus Cell Receptors Provide Challenging Therapeutic Targets. Vaccines, 2023, 11, 174.   | 4.4 | 2         |
| 237 | Mouse models susceptible to HCoV-229E and HCoV-NL63 and cross protection from challenge with SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .                               | 7.1 | 7         |
| 238 | A Bicentric Study to Investigate the Impact of COVID-19 on Urological Patients. Lecture Notes in Computer Science, 2023, , 348-356.  | 1.3 | 0         |
| 239 | Structural basis of main proteases of HCoV-229E bound to inhibitor PF-07304814 and PF-07321332. Biochemical and Biophysical Research Communications, 2023, 657, 16-23.   | 2.1 | 0         |
| 240 | Seroprevalence of four endemic human coronaviruses and, reactivity and neutralization capability against SARS-CoV-2 among children in the Philippines. Scientific Reports, 2023, 13, .   | 3.3 | 6         |
| 241 | Staff perceptions of the effectiveness of managerial communication during the COVIDâ€19 pandemic: A crossâ€sectional study. International Journal of Nursing Practice, 0, , .  | 1.7 | 0         |
| 242 | Update on Viruses in Bats., 2023,, 145-152.  |     | 0         |
| 244 | Targeting cytokine storm as the potential anti-viral therapy: Implications in regulating SARS-CoV-2 pathogenicity. Gene, 2023, 881, 147612.  | 2.2 | 4         |
| 245 | Are the integrin binding motifs within SARS CoV-2 spike protein and MHC class II alleles playing the key role in COVID-19?. Frontiers in Immunology, 0, $14$ , .   | 4.8 | 0         |
| 246 | Coronaviral Main Protease Induces LPCAT3 Cleavage and Endoplasmic Reticulum (ER) Stress. Viruses, 2023, 15, 1696.  | 3.3 | 1         |
| 247 | Exploration of 1,2,3â€triazolo fused triterpenoids as inhibitors of human coronavirus 229E targeting the viral nsp15 protein. Archiv Der Pharmazie, 0, , .   | 4.1 | 0         |
| 249 | Epidemiology and Clinical Characteristics of Seasonal Human Coronaviruses in Children Hospitalized in Hebei Province, China Before and During the COVID-19 Pandemic. Risk Management and Healthcare Policy, 0, Volume 16, 1801-1807. | 2.5 | 0         |
| 251 | Differences in syncytia formation by SARS-CoV-2 variants modify host chromatin accessibility and cellular senescence via TP53. Cell Reports, 2023, 42, 113478.   | 6.4 | 0         |
| 253 | Insights into the inhibition mechanisms of MERS-CoV and SARS-CoV2 papain-like proteases by inhibitors from Crinum distichum: In vitro and in silico analysis. South African Journal of Botany, 2024, 165, 290-306.                   | 2.5 | 0         |
| 254 | Coronaviruses: The Common Cold, SARS, and MERS. , 2024, , 1-53.  |     | 0         |