

# Middle East respiratory syndrome coronavirus in dromedary camels: a preliminary investigation

Lancet Infectious Diseases, The  
14, 140-145

DOI: [10.1016/S1473-3099\(13\)70690-x](https://doi.org/10.1016/S1473-3099(13)70690-X)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Metagenomic Survey for Viruses in Western Arctic Caribou, Alaska, through Iterative Assembly of Taxonomic Units. PLoS ONE, 2014, 9, e105227.	1.1	21
2	Carbapenemase-producing Organism in Food, 2014. Emerging Infectious Diseases, 2014, 20, 1264-1265.	2.0	34
3	Replication and Shedding of MERS-CoV in Upper Respiratory Tract of Inoculated Dromedary Camels. Emerging Infectious Diseases, 2014, 20, 1999-2005.	2.0	233
4	Stability of Middle East Respiratory Syndrome Coronavirus in Milk. Emerging Infectious Diseases, 2014, 20, 1263-1264.	2.0	96
5	Middle East respiratory syndrome coronavirus: epidemiology and disease control measures. Infection and Drug Resistance, 2014, 7, 281.	1.1	61
6	Equine Influenza A(H3N8) Virus Isolated from Bactrian Camel, Mongolia. Emerging Infectious Diseases, 2014, 20, 2144-2147.	2.0	42
7	Coronaviruses: Molecular Biology. , 2014, , .		1
8	Current advancements and potential strategies in the development of MERS-CoV vaccines. Expert Review of Vaccines, 2014, 13, 761-774.	2.0	139
9	Synthesizing data and models for the spread of MERS-CoV, 2013: Key role of index cases and hospital transmission. Epidemics, 2014, 9, 40-51.	1.5	110
10	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. MBio, 2014, 5, e00884-14.	1.8	359
11	Evidence for Camel-to-Human Transmission of MERS Coronavirus. New England Journal of Medicine, 2014, 370, 2499-2505.	13.9	736
12	Microbial sequencing to improve individual and population health. Genome Medicine, 2014, 6, 103.	3.6	3
13	Travel-related MERS-CoV cases: an assessment of exposures and risk factors in a group of Dutch travellers returning from the Kingdom of Saudi Arabia, May 2014. Emerging Themes in Epidemiology, 2014, 11, 16.	1.2	22
14	Viral Metagenomics on Animals as a Tool for the Detection of Zoonoses Prior to Human Infection?. International Journal of Molecular Sciences, 2014, 15, 10377-10397.	1.8	57
15	Emergence of MERS-CoV in the Middle East: Origins, Transmission, Treatment, and Perspectives. PLoS Pathogens, 2014, 10, e1004457.	2.1	68
16	Infection with MERS-CoV Causes Lethal Pneumonia in the Common Marmoset. PLoS Pathogens, 2014, 10, e1004250.	2.1	186
17	Concerns about Misinterpretation of Recent Scientific Data Implicating Dromedary Camels in Epidemiology of Middle East Respiratory Syndrome (MERS). MBio, 2014, 5, e01430-14.	1.8	18
18	Reply to "Concerns About Misinterpretation of Recent Scientific Data Implicating Dromedary Camels in Epidemiology of Middle East Respiratory Syndrome (MERS)". MBio, 2014, 5, e01482-14.	1.8	4

#	ARTICLE	IF	CITATIONS
19	MERS Coronaviruses in Dromedary Camels, Egypt. <i>Emerging Infectious Diseases</i> , 2014, 20, 1049-1053.	2.0	259
20	Unraveling the Mysteries of Middle East Respiratory Syndrome Coronavirus. <i>Emerging Infectious Diseases</i> , 2014, 20, 1054-1056.	2.0	10
21	Human Infection with MERS Coronavirus after Exposure to Infected Camels, Saudi Arabia, 2013. <i>Emerging Infectious Diseases</i> , 2014, 20, 1012-1015.	2.0	305
22	Geographic Distribution of MERS Coronavirus among Dromedary Camels, Africa. <i>Emerging Infectious Diseases</i> , 2014, 20, 1370-1374.	2.0	167
23	Antibodies against MERS Coronavirus in Dromedary Camels, Kenya, 1992–2013. <i>Emerging Infectious Diseases</i> , 2014, 20, 1319-22.	2.0	191
24	Isolation of MERS Coronavirus from a Dromedary Camel, Qatar, 2014. <i>Emerging Infectious Diseases</i> , 2014, 20, 1339-42.	2.0	164
25	MERS Coronavirus Neutralizing Antibodies in Camels, Eastern Africa, 1983–1997. <i>Emerging Infectious Diseases</i> , 2014, 20, 2093-5.	2.0	249
26	Detection of the Middle East Respiratory Syndrome Coronavirus Genome in an Air Sample Originating from a Camel Barn Owned by an Infected Patient. <i>MBio</i> , 2014, 5, e01450-14.	1.8	89
27	Middle East Respiratory Syndrome Coronavirus Quasispecies That Include Homologues of Human Isolates Revealed through Whole-Genome Analysis and Virus Cultured from Dromedary Camels in Saudi Arabia. <i>MBio</i> , 2014, 5, e01146-14.	1.8	140
28	Spread, Circulation, and Evolution of the Middle East Respiratory Syndrome Coronavirus. <i>MBio</i> , 2014, 5, .	1.8	235
29	Screening of an FDA-Approved Compound Library Identifies Four Small-Molecule Inhibitors of Middle East Respiratory Syndrome Coronavirus Replication in Cell Culture. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4875-4884.	1.4	611
30	A Scenario-Based Evaluation of the Middle East Respiratory Syndrome Coronavirus and the Hajj. <i>Risk Analysis</i> , 2014, 34, 1391-1400.	1.5	21
31	The Hajj pilgrimage and surveillance for Middle East Respiratory syndrome coronavirus in pilgrims from African countries. <i>Tropical Medicine and International Health</i> , 2014, 19, 838-840.	1.0	15
32	Immunogenicity of an adenoviral-based Middle East Respiratory Syndrome coronavirus vaccine in BALB/c mice. <i>Vaccine</i> , 2014, 32, 5975-5982.	1.7	121
33	From SARS to MERS: crystallographic studies on coronavirus proteases enable antiviral drug design. <i>FEBS Journal</i> , 2014, 281, 4085-4096.	2.2	537
34	Genomic analysis of emerging pathogens: methods, application and future trends. <i>Genome Biology</i> , 2014, 15, 541.	3.8	23
35	Severe acute respiratory syndrome vs. the Middle East respiratory syndrome. <i>Current Opinion in Pulmonary Medicine</i> , 2014, 20, 233-241.	1.2	185
36	Coronaviruses. <i>Current Opinion in Infectious Diseases</i> , 2014, 27, 411-417.	1.3	73

#	ARTICLE	IF	CITATIONS
37	Coronaviruses: Important Emerging Human Pathogens. <i>Journal of Virology</i> , 2014, 88, 5209-5212.	1.5	170
38	Neutralizing the MERS Coronavirus Threat. <i>Science Translational Medicine</i> , 2014, 6, 235fs19.	5.8	6
39	Potent Neutralization of MERS-CoV by Human Neutralizing Monoclonal Antibodies to the Viral Spike Glycoprotein. <i>Science Translational Medicine</i> , 2014, 6, 234ra59.	5.8	194
40	Clinical aspects and outcomes of 70 patients with Middle East respiratory syndrome coronavirus infection: a single-center experience in Saudi Arabia. <i>International Journal of Infectious Diseases</i> , 2014, 29, 301-306.	1.5	427
41	MERS-CoV: Bridging the Knowledge Gaps. <i>Oman Medical Journal</i> , 2014, 29, 169-171.	0.3	4
42	Middle East respiratory syndrome coronavirus: epidemic potential or a storm in a teacup?. <i>European Respiratory Journal</i> , 2014, 43, 1243-1248.	3.1	24
43	Membrane ectopeptidases targeted by human coronaviruses. <i>Current Opinion in Virology</i> , 2014, 6, 55-60.	2.6	37
44	MERS: emergence of a novel human coronavirus. <i>Current Opinion in Virology</i> , 2014, 5, 58-62.	2.6	170
45	The ORF4b-encoded accessory proteins of Middle East respiratory syndrome coronavirus and two related bat coronaviruses localize to the nucleus and inhibit innate immune signalling. <i>Journal of General Virology</i> , 2014, 95, 874-882.	1.3	99
46	Middle East Respiratory Syndrome Coronavirus Antibody Reactors Among Camels in Dubai, United Arab Emirates, in 2005. <i>Transboundary and Emerging Diseases</i> , 2014, 61, 105-108.	1.3	70
47	The emergence of the Middle East Respiratory Syndrome coronavirus. <i>Pathogens and Disease</i> , 2014, 71, 121-136.	0.8	95
48	Systems approaches to coronavirus pathogenesis. <i>Current Opinion in Virology</i> , 2014, 6, 61-69.	2.6	12
49	Exceptionally Potent Neutralization of Middle East Respiratory Syndrome Coronavirus by Human Monoclonal Antibodies. <i>Journal of Virology</i> , 2014, 88, 7796-7805.	1.5	212
50	Identification of MERS-CoV in dromedary camels. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 93-94.	4.6	33
51	Human coronaviruses: Viral and cellular factors involved in neuroinvasiveness and neuropathogenesis. <i>Virus Research</i> , 2014, 194, 145-158.	1.1	229
52	<i>Bartonella dromedarii</i> sp. nov. Isolated from Domesticated Camels ( <i>Camelus</i> ) Tj ETQq1 1 0.784314 rgBT /O <sub>0,6</sub> erlock 10 Tf 50 14		
53	Metagenomic analysis of viromes of dromedary camel fecal samples reveals large number and high diversity of circoviruses and picobirnaviruses. <i>Virology</i> , 2014, 471-473, 117-125.	1.1	65
54	Tropism and replication of Middle East respiratory syndrome coronavirus from dromedary camels in the human respiratory tract: an in-vitro and ex-vivo study. <i>Lancet Respiratory Medicine</i> , the, 2014, 2, 813-822.	5.2	86

#	ARTICLE	IF	CITATIONS
55	Bat Origins of MERS-CoV Supported by Bat Coronavirus HKU4 Usage of Human Receptor CD26. <i>Cell Host and Microbe</i> , 2014, 16, 328-337.	5.1	252
56	Thinking Outside the Triangle: Replication Fidelity of the Largest RNA Viruses. <i>Annual Review of Virology</i> , 2014, 1, 111-132.	3.0	107
57	Receptor Variation and Susceptibility to Middle East Respiratory Syndrome Coronavirus Infection. <i>Journal of Virology</i> , 2014, 88, 4953-4961.	1.5	101
58	Emerging viral respiratory tract infections—environmental risk factors and transmission. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 1113-1122.	4.6	53
59	Virological and serological analysis of a recent Middle East respiratory syndrome coronavirus infection case on a triple combination antiviral regimen. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 528-532.	1.1	103
60	Crystal structure of the papain-like protease of MERS coronavirus reveals unusual, potentially druggable active-site features. <i>Antiviral Research</i> , 2014, 109, 72-82.	1.9	74
61	Middle Eastern Respiratory Syndrome Coronavirus (MERS-CoV). <i>Clinical Microbiology Newsletter</i> , 2014, 36, 115-122.	0.4	9
62	Middle East Respiratory Syndrome: What Clinicians Need to Know. <i>Mayo Clinic Proceedings</i> , 2014, 89, 1153-1158.	1.4	20
63	Middle East respiratory syndrome coronavirus: transmission and phylogenetic evolution. <i>Trends in Microbiology</i> , 2014, 22, 573-579.	3.5	64
64	A structural view of coronavirus receptor interactions. <i>Virus Research</i> , 2014, 194, 3-15.	1.1	49
65	Detection of Middle East respiratory syndrome coronavirus using reverse transcription loop-mediated isothermal amplification (RT-LAMP). <i>Virology Journal</i> , 2014, 11, 139.	1.4	130
66	Unanswered questions about the Middle East respiratory syndrome coronavirus (MERS-CoV). <i>BMC Research Notes</i> , 2014, 7, 358.	0.6	16
67	Antiviral drugs specific for coronaviruses in preclinical development. <i>Current Opinion in Virology</i> , 2014, 8, 45-53.	2.6	85
68	Identification of human neutralizing antibodies against MERS-CoV and their role in virus adaptive evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2018-26.	3.3	216
69	Travel implications of emerging coronaviruses: SARS and MERS-CoV. <i>Travel Medicine and Infectious Disease</i> , 2014, 12, 422-428.	1.5	132
70	Host Species Restriction of Middle East Respiratory Syndrome Coronavirus through Its Receptor, Dipeptidyl Peptidase 4. <i>Journal of Virology</i> , 2014, 88, 9220-9232.	1.5	189
71	Rapid point of care diagnostic tests for viral and bacterial respiratory tract infections—needs, advances, and future prospects. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 1123-1135.	4.6	143
72	Dromedary MERS-CoV replicates in human respiratory tissues. <i>Lancet Respiratory Medicine</i> , the, 2014, 2, 779-781.	5.2	1

#	ARTICLE	IF	CITATIONS
73	Community Case Clusters of Middle East Respiratory Syndrome Coronavirus in Hafr Al-Batin, Kingdom of Saudi Arabia: A Descriptive Genomic study. <i>International Journal of Infectious Diseases</i> , 2014, 23, 63-68.	1.5	80
74	Nidovirus papain-like proteases: Multifunctional enzymes with protease, deubiquitinating and deISGylating activities. <i>Virus Research</i> , 2014, 194, 184-190.	1.1	140
75	Serological assays for emerging coronaviruses: Challenges and pitfalls. <i>Virus Research</i> , 2014, 194, 175-183.	1.1	344
76	Editorial overview: Emerging viruses. <i>Current Opinion in Virology</i> , 2014, 5, v-vii.	2.6	0
77	Middle East respiratory syndrome coronavirus (MERS-CoV) in dromedary camels, Oman, 2013. <i>Eurosurveillance</i> , 2014, 19, 20781.	3.9	125
78	Middle East respiratory syndrome coronavirus (MERS-CoV) RNA and neutralising antibodies in milk collected according to local customs from dromedary camels, Qatar, April 2014. <i>Eurosurveillance</i> , 2014, 19, .	3.9	136
79	Middle East respiratory syndrome coronavirus (MERS-CoV): animal to human interaction. <i>Pathogens and Global Health</i> , 2015, 109, 354-362.	1.0	128
80	Anti-infective immunoadhesins from plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 1078-1093.	4.1	18
81	Structural basis for the neutralization of MERS-CoV by a human monoclonal antibody MERS-27. <i>Scientific Reports</i> , 2015, 5, 13133.	1.6	63
82	High proportion of MERS-CoV shedding dromedaries at slaughterhouse with a potential epidemiological link to human cases, Qatar 2014. <i>Infection Ecology and Epidemiology</i> , 2015, 5, 28305.	0.5	68
83	Understanding Middle East respiratory syndrome. <i>JAAPA: Official Journal of the American Academy of Physician Assistants</i> , 2015, 28, 52-54.	0.1	1
84	13th ERS Lung Science Conference. The most important take home messages. <i>Breathe</i> , 2015, 11, 149-152.	0.6	0
85	Bat origin of human coronaviruses. <i>Virology Journal</i> , 2015, 12, 221.	1.4	330
86	Middle East respiratory syndrome coronavirus infection: virus-host cell interactions and implications on pathogenesis. <i>Virology Journal</i> , 2015, 12, 218.	1.4	70
88	Follow-up of Contacts of Middle East Respiratory Syndrome Coronavirus "Infected Returning Travelers, the Netherlands, 2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 1667-1669.	2.0	15
89	Asymptomatic MERS-CoV Infection in Humans Possibly Linked to Infected Dromedaries Imported from Oman to United Arab Emirates, May 2015. <i>Emerging Infectious Diseases</i> , 2015, 21, 2197-2200.	2.0	66
90	Better Understanding on MERS Corona Virus Outbreak in Korea. <i>Journal of Korean Medical Science</i> , 2015, 30, 835.	1.1	21
91	Occupational Exposure to Dromedaries and Risk for MERS-CoV Infection, Qatar, 2013"2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 1422-1425.	2.0	66

#	ARTICLE	IF	CITATIONS
92	Molecular Epidemiology of Hospital Outbreak of Middle East Respiratory Syndrome, Riyadh, Saudi Arabia, 2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 1981-1988.	2.0	60
93	The Preparedness for Re-emerged and Emerging Infectious Diseases: A Lesson Through Outbreak of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in South Korea. <i>Journal of Bacteriology and Virology</i> , 2015, 45, 339.	0.0	1
94	Viruses of foodborne origin: a review. <i>Virus Adaptation and Treatment</i> , 0, , 25.	1.5	34
95	MERS-CoV in Upper Respiratory Tract and Lungs of Dromedary Camels, Saudi Arabia, 2013â€“2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 1153-1158.	2.0	93
96	Middle East Respiratory Syndrome Coronavirus Infection Not Found in Camels in Japan. <i>Japanese Journal of Infectious Diseases</i> , 2015, 68, 256-258.	0.5	15
97	First international external quality assessment of molecular diagnostics for Mers-CoV. <i>Journal of Clinical Virology</i> , 2015, 69, 81-85.	1.6	27
98	Development of animal models against emerging coronaviruses: From SARS to MERS coronavirus. <i>Virology</i> , 2015, 479-480, 247-258.	1.1	80
99	Middle East respiratory syndrome. <i>Lancet, The</i> , 2015, 386, 995-1007.	6.3	1,033
100	Reliable typing of MERS-CoV variants with a small genome fragment. <i>Journal of Clinical Virology</i> , 2015, 64, 83-87.	1.6	23
101	Nucleocapsid gene analysis from an imported case of Middle East respiratory syndrome coronavirus, Malaysia. <i>Asian Pacific Journal of Tropical Disease</i> , 2015, 5, 543-546.	0.5	0
103	MERS coronavirus: diagnostics, epidemiology and transmission. <i>Virology Journal</i> , 2015, 12, 222.	1.4	288
104	Coronaviruses: emerging and re-emerging pathogens in humans and animals. <i>Virology Journal</i> , 2015, 12, 209.	1.4	64
105	Pathogenesis of Middle East respiratory syndrome coronavirus. <i>Journal of Pathology</i> , 2015, 235, 175-184.	2.1	128
106	On the biased nucleotide composition of the human coronavirus RNA genome. <i>Virus Research</i> , 2015, 202, 41-47.	1.1	51
107	High Secretion of Interferons by Human Plasmacytoid Dendritic Cells upon Recognition of Middle East Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2015, 89, 3859-3869.	1.5	108
108	Thiopurine analogs and mycophenolic acid synergistically inhibit the papain-like protease of Middle East respiratory syndrome coronavirus. <i>Antiviral Research</i> , 2015, 115, 9-16.	1.9	165
109	Receptor-binding domain-based subunit vaccines against MERS-CoV. <i>Virus Research</i> , 2015, 202, 151-159.	1.1	54
110	Middle East respiratory syndrome: An emerging coronavirus infection tracked by the crowd. <i>Virus Research</i> , 2015, 202, 60-88.	1.1	65

#	ARTICLE	IF	CITATIONS
111	Discovery of a Novel Coronavirus, China Rattus Coronavirus HKU24, from Norway Rats Supports the Murine Origin of Betacoronavirus 1 and Has Implications for the Ancestor of Betacoronavirus Lineage A. <i>Journal of Virology</i> , 2015, 89, 3076-3092.	1.5	147
112	Birth and Pathogenesis of Rogue Respiratory Viruses. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 449-471.	9.6	3
113	2014 MERS-CoV Outbreak in Jeddah – A Link to Health Care Facilities. <i>New England Journal of Medicine</i> , 2015, 372, 846-854.	13.9	378
114	Middle East Respiratory Syndrome Coronavirus: Update for Clinicians. <i>Clinical Infectious Diseases</i> , 2015, 60, 1686-1689.	2.9	36
116	Therapeutic Options for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Infection: How Close Are We?. <i>Current Treatment Options in Infectious Diseases</i> , 2015, 7, 202-216.	0.8	7
117	A sensitive and specific antigen detection assay for Middle East respiratory syndrome coronavirus. <i>Emerging Microbes and Infections</i> , 2015, 4, 1-5.	3.0	74
118	Coronavirus Host Range Expansion and Middle East Respiratory Syndrome Coronavirus Emergence: Biochemical Mechanisms and Evolutionary Perspectives. <i>Annual Review of Virology</i> , 2015, 2, 95-117.	3.0	75
119	MERS coronavirus envelope protein has a single transmembrane domain that forms pentameric ion channels. <i>Virus Research</i> , 2015, 201, 61-66.	1.1	84
120	Animal models of Middle East respiratory syndrome coronavirus infection. <i>Antiviral Research</i> , 2015, 122, 28-38.	1.9	66
121	Global trends in infectious diseases at the wildlife–livestock interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9662-9667.	3.3	197
122	Targeting zoonotic viruses: Structure-based inhibition of the 3C-like protease from bat coronavirus HKU4 – The likely reservoir host to the human coronavirus that causes Middle East Respiratory Syndrome (MERS). <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6036-6048.	1.4	65
123	An update on Middle East respiratory syndrome: 2 years later. <i>Expert Review of Respiratory Medicine</i> , 2015, 9, 327-335.	1.0	16
124	Presence of Middle East respiratory syndrome coronavirus antibodies in Saudi Arabia: a nationwide, cross-sectional, serological study. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 559-564.	4.6	270
125	A more detailed picture of the epidemiology of Middle East respiratory syndrome coronavirus. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 495-497.	4.6	32
126	Middle East respiratory syndrome: obstacles and prospects for vaccine development. <i>Expert Review of Vaccines</i> , 2015, 14, 949-962.	2.0	27
127	Middle East Respiratory Syndrome Coronavirus: Another Zoonotic Betacoronavirus Causing SARS-Like Disease. <i>Clinical Microbiology Reviews</i> , 2015, 28, 465-522.	5.7	703
128	Middle East Respiratory Syndrome Coronavirus – MERS-CoV – Current Knowledge Gaps. <i>Paediatric Respiratory Reviews</i> , 2015, 16, 197-202.	1.2	58
129	Managing MERS-CoV in the healthcare setting. <i>Hospital Practice (1995)</i> , 2015, 43, 158-163.	0.5	28



#	ARTICLE	IF	CITATIONS
130	X-ray Structural and Functional Studies of the Three Tandemly Linked Domains of Non-structural Protein 3 (nsp3) from Murine Hepatitis Virus Reveal Conserved Functions. <i>Journal of Biological Chemistry</i> , 2015, 290, 25293-25306.	1.6	34
131	Acute Middle East Respiratory Syndrome Coronavirus Infection in Livestock Dromedaries, Dubai, 2014. <i>Emerging Infectious Diseases</i> , 2015, 21, 1019-1022.	2.0	81
132	Asymptomatic Middle East Respiratory Syndrome Coronavirus Infection in Rabbits. <i>Journal of Virology</i> , 2015, 89, 6131-6135.	1.5	73
133	Middle East respiratory syndrome coronavirus (MERS-CoV): what lessons can we learn?. <i>Journal of Hospital Infection</i> , 2015, 91, 188-196.	1.4	63
134	Severe Acute Respiratory Syndrome (SARS) Coronavirus ORF8 Protein Is Acquired from SARS-Related Coronavirus from Greater Horseshoe Bats through Recombination. <i>Journal of Virology</i> , 2015, 89, 10532-10547.	1.5	172
135	Origin and Possible Genetic Recombination of the Middle East Respiratory Syndrome Coronavirus from the First Imported Case in China: Phylogenetics and Coalescence Analysis. <i>MBio</i> , 2015, 6, e01280-15.	1.8	86
136	NCBI Viral Genomes Resource. <i>Nucleic Acids Research</i> , 2015, 43, D571-D577.	6.5	541
137	Prophylactic and postexposure efficacy of a potent human monoclonal antibody against MERS coronavirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10473-10478.	3.3	198
138	Middle East Respiratory Syndrome - need for increased vigilance and watchful surveillance for MERS-CoV in sub-Saharan Africa. <i>International Journal of Infectious Diseases</i> , 2015, 37, 77-79.	1.5	15
139	NMR structures and localization of the potential fusion peptides and the pre-transmembrane region of SARS-CoV: Implications in membrane fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 721-730.	1.4	36
140	Host cell proteases: Critical determinants of coronavirus tropism and pathogenesis. <i>Virus Research</i> , 2015, 202, 120-134.	1.1	752
141	Acquisition of new protein domains by coronaviruses: analysis of overlapping genes coding for proteins N and 9b in SARS coronavirus. <i>Virus Genes</i> , 2015, 50, 29-38.	0.7	20
142	<i>Viral Epidemiology</i> . , 2016, , 241-252.		4
143	Middle East Respiratory Syndrome (MERS). , 2016, , 73-104.		0
144	Time Course of MERS-CoV Infection and Immunity in Dromedary Camels. <i>Emerging Infectious Diseases</i> , 2016, 22, 2171-2173.	2.0	37
145	MERS-CoV Antibodies in Humans, Africa, 2013-2014. <i>Emerging Infectious Diseases</i> , 2016, 22, 1086-1089.	2.0	53
146	Deletion Variants of Middle East Respiratory Syndrome Coronavirus from Humans, Jordan, 2015. <i>Emerging Infectious Diseases</i> , 2016, 22, 716-719.	2.0	38
147	MERS-CoV Infection of Alpaca in a Region Where MERS-CoV is Endemic. <i>Emerging Infectious Diseases</i> , 2016, 22, 1129-1131.	2.0	67

#	ARTICLE	IF	CITATIONS
148	Experimental Infection and Response to Rechallenge of Alpacas with Middle East Respiratory Syndrome Coronavirus. <i>Emerging Infectious Diseases</i> , 2016, 22, 1071-1074.	2.0	53
149	Risk Factors for Primary Middle East Respiratory Syndrome Coronavirus Illness in Humans, Saudi Arabia, 2014. <i>Emerging Infectious Diseases</i> , 2016, 22, 49-55.	2.0	217
150	<i>Cryptococcus gattii</i> VGIIb-like Variant in White-Tailed Deer, Nova Scotia, Canada. <i>Emerging Infectious Diseases</i> , 2016, 22, 1131-1133.	2.0	9
151	Middle East Respiratory Syndrome (MERS). <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	22
152	Infection, Replication, and Transmission of Middle East Respiratory Syndrome Coronavirus in Alpacas. <i>Emerging Infectious Diseases</i> , 2016, 22, 1031-1037.	2.0	54
153	Middle East Respiratory Syndrome Coronavirus Intra-Host Populations Are Characterized by Numerous High Frequency Variants. <i>PLoS ONE</i> , 2016, 11, e0146251.	1.1	19
154	Identification of Novel Rosavirus Species That Infects Diverse Rodent Species and Causes Multisystemic Dissemination in Mouse Model. <i>PLoS Pathogens</i> , 2016, 12, e1005911.	2.1	9
155	Middle East respiratory syndrome coronavirus shows poor replication but significant induction of antiviral responses in human monocyte-derived macrophages and dendritic cells. <i>Journal of General Virology</i> , 2016, 97, 344-355.	1.3	77
156	Middle East Respiratory Syndrome Coronavirus (MERS-CoV) origin and animal reservoir. <i>Virology Journal</i> , 2016, 13, 87.	1.4	228
157	Epidemiological investigation of Middle East respiratory syndrome coronavirus in dromedary camel farms linked with human infection in Abu Dhabi Emirate, United Arab Emirates. <i>Virus Genes</i> , 2016, 52, 848-854.	0.7	31
158	Polyphyletic origin of MERS coronaviruses and isolation of a novel clade A strain from dromedary camels in the United Arab Emirates. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-9.	3.0	24
159	The Middle East Respiratory Syndrome Coronavirus – A Continuing Risk to Global Health Security. <i>Advances in Experimental Medicine and Biology</i> , 2016, 972, 49-60.	0.8	30
160	Rapid generation of a human monoclonal antibody to combat Middle East respiratory syndrome. <i>Journal of Infection and Public Health</i> , 2016, 9, 231-235.	1.9	36
161	Is the Saudi public aware of Middle East respiratory syndrome?. <i>Journal of Infection and Public Health</i> , 2016, 9, 259-266.	1.9	56
162	Structure, Function, and Evolution of Coronavirus Spike Proteins. <i>Annual Review of Virology</i> , 2016, 3, 237-261.	3.0	2,142
163	Epidemiology of a Novel Recombinant Middle East Respiratory Syndrome Coronavirus in Humans in Saudi Arabia. <i>Journal of Infectious Diseases</i> , 2016, 214, 712-721.	1.9	28
164	Middle East Respiratory Syndrome Virus Pathogenesis. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2016, 37, 572-577.	0.8	52
165	Human – Dromedary Camel Interactions and the Risk of Acquiring Zoonotic Middle East Respiratory Syndrome Coronavirus Infection. <i>Zoonoses and Public Health</i> , 2016, 63, 1-9.	0.9	125

#	ARTICLE	IF	CITATIONS
166	Passive Transfer of A Germline-like Neutralizing Human Monoclonal Antibody Protects Transgenic Mice Against Lethal Middle East Respiratory Syndrome Coronavirus Infection. <i>Scientific Reports</i> , 2016, 6, 31629.	1.6	50
167	Replication and shedding of MERS-CoV in Jamaican fruit bats ( <i>Artibeus jamaicensis</i> ). <i>Scientific Reports</i> , 2016, 6, 21878.	1.6	138
168	The global spread of Middle East respiratory syndrome: an analysis fusing traditional epidemiological tracing and molecular phylodynamics. <i>Global Health Research and Policy</i> , 2016, 1, 14.	1.4	8
169	SARS and MERS: recent insights into emerging coronaviruses. <i>Nature Reviews Microbiology</i> , 2016, 14, 523-534.	13.6	2,752
170	Taking forward a "One Health" approach for turning the tide against the Middle East respiratory syndrome coronavirus and other zoonotic pathogens with epidemic potential. <i>International Journal of Infectious Diseases</i> , 2016, 47, 5-9.	1.5	81
171	Middle East respiratory syndrome coronavirus: a comprehensive review. <i>Frontiers of Medicine</i> , 2016, 10, 120-136.	1.5	49
172	Cross host transmission in the emergence of MERS coronavirus. <i>Current Opinion in Virology</i> , 2016, 16, 55-62.	2.6	75
173	Recent insights into the development of therapeutics against coronavirus diseases by targeting N protein. <i>Drug Discovery Today</i> , 2016, 21, 562-572.	3.2	90
174	Vaccines for the prevention against the threat of MERS-CoV. <i>Expert Review of Vaccines</i> , 2016, 15, 1123-1134.	2.0	87
175	A Comparative Review of Animal Models of Middle East Respiratory Syndrome Coronavirus Infection. <i>Veterinary Pathology</i> , 2016, 53, 521-531.	0.8	27
176	Human polyclonal immunoglobulin G from transchromosomal bovines inhibits MERS-CoV in vivo. <i>Science Translational Medicine</i> , 2016, 8, 326ra21.	5.8	102
177	Coronaviruses " drug discovery and therapeutic options. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 327-347.	21.5	1,365
178	Clinicopathologic, Immunohistochemical, and Ultrastructural Findings of a Fatal Case of Middle East Respiratory Syndrome Coronavirus Infection in the United Arab Emirates, April 2014. <i>American Journal of Pathology</i> , 2016, 186, 652-658.	1.9	327
179	Middle East respiratory syndrome and severe acute respiratory syndrome. <i>Current Opinion in Virology</i> , 2016, 16, 70-76.	2.6	55
180	Drivers of MERS-CoV transmission: what do we know?. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 331-338.	1.0	29
181	Spread of Mutant Middle East Respiratory Syndrome Coronavirus with Reduced Affinity to Human CD26 during the South Korean Outbreak. <i>MBio</i> , 2016, 7, e00019.	1.8	76
182	Co-circulation of three camel coronavirus species and recombination of MERS-CoVs in Saudi Arabia. <i>Science</i> , 2016, 351, 81-84.	6.0	365
183	An orthopoxvirus-based vaccine reduces virus excretion after MERS-CoV infection in dromedary camels. <i>Science</i> , 2016, 351, 77-81.	6.0	216

#	ARTICLE	IF	CITATIONS
184	Camels, MERS-CoV, and other emerging infections in east Africa. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 14-15.	4.6	11
185	MERS-coronavirus: From discovery to intervention. <i>One Health</i> , 2017, 3, 11-16.	1.5	43
186	Eco-social processes influencing infectious disease emergence and spread. <i>Parasitology</i> , 2017, 144, 26-36.	0.7	28
187	Modified Vaccinia Virus Ankara. <i>Advances in Virus Research</i> , 2017, 97, 187-243.	0.9	233
188	Progress of Middle East respiratory syndrome coronavirus vaccines: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 721-731.	2.4	15
189	The role of laboratory diagnostics in emerging viral infections: the example of the Middle East respiratory syndrome epidemic. <i>Journal of Microbiology</i> , 2017, 55, 172-182.	1.3	26
190	Middle East respiratory syndrome coronavirus vaccines: current status and novel approaches. <i>Current Opinion in Virology</i> , 2017, 23, 49-58.	2.6	60
191	Further Evidence for Bats as the Evolutionary Source of Middle East Respiratory Syndrome Coronavirus. <i>MBio</i> , 2017, 8, .	1.8	250
192	Emerging and Re-emerging Viral Infections. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	2
193	Molecular aspects of MERS-CoV. <i>Frontiers of Medicine</i> , 2017, 11, 365-377.	1.5	20
194	Human Neutralizing Monoclonal Antibody Inhibition of Middle East Respiratory Syndrome Coronavirus Replication in the Common Marmoset. <i>Journal of Infectious Diseases</i> , 2017, 215, 1807-1815.	1.9	67
195	Factors determining human-to-human transmissibility of zoonotic pathogens via contact. <i>Current Opinion in Virology</i> , 2017, 22, 7-12.	2.6	21
196	Comparative epidemiology of Middle East respiratory syndrome coronavirus (MERS-CoV) in Saudi Arabia and South Korea. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-6.	3.0	73
197	A novel neutralizing monoclonal antibody targeting the N-terminal domain of the MERS-CoV spike protein. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-7.	3.0	37
198	A pandemic risk assessment of middle east respiratory syndrome coronavirus (MERS-CoV) in Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1631-1638.	1.8	24
199	Searching for animal models and potential target species for emerging pathogens: Experience gained from Middle East respiratory syndrome (MERS) coronavirus. <i>One Health</i> , 2017, 3, 34-40.	1.5	14
200	High Prevalence of Middle East Respiratory Coronavirus in Young Dromedary Camels in Jordan. <i>Vector-Borne and Zoonotic Diseases</i> , 2017, 17, 155-159.	0.6	38
201	MERS-CoV spike protein: a key target for antivirals. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 131-143.	1.5	236

#	ARTICLE	IF	CITATIONS
202	Emerging Developments on Pathogenicity, Molecular Virulence, Epidemiology and Clinical Symptoms of Current Middle East Respiratory Syndrome Coronavirus (MERS-CoV). HAYATI Journal of Biosciences, 2017, 24, 53-56.	0.1	12
203	Identification of sialic acid-binding function for the Middle East respiratory syndrome coronavirus spike glycoprotein. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8508-E8517.	3.3	272
204	Novel Alphacoronaviruses and Paramyxoviruses Cocirculate with Type 1 and Severe Acute Respiratory System (SARS)-Related Betacoronaviruses in Synanthropic Bats of Luxembourg. Applied and Environmental Microbiology, 2017, 83, .	1.4	30
205	Two novel bocaparvovirus species identified in wild Himalayan marmots. Science China Life Sciences, 2017, 60, 1348-1356.	2.3	15
208	Tissue Distribution of the MERS-Coronavirus Receptor in Bats. Scientific Reports, 2017, 7, 1193.	1.6	34
209	Vaccines against Middle East respiratory syndrome coronavirus for humans and camels. Reviews in Medical Virology, 2017, 27, e1917.	3.9	19
210	Detection of pancoronavirus using PCR in Camelus dromedarius in Iran (first report). Comparative Clinical Pathology, 2017, 26, 193-196.	0.3	1
211	New episode of Middle East Respiratory Syndrome Coronavirus outbreak in Saudi Arabia: an emerging public health threat. Public Health, 2017, 150, 149-151.	1.4	3
212	SPOTLIGHTS. Asia Pacific Biotech News, 2017, 21, 30-37.	0.5	1
213	Establishment and Application of a Universal Coronavirus Screening Method Using MALDI-TOF Mass Spectrometry. Frontiers in Microbiology, 2017, 8, 1510.	1.5	50
214	Comparative pathology of rhesus macaque and common marmoset animal models with Middle East respiratory syndrome coronavirus. PLoS ONE, 2017, 12, e0172093.	1.1	30
215	Spectrum of pathogen- and model-specific histopathologies in mouse models of acute pneumonia. PLoS ONE, 2017, 12, e0188251.	1.1	64
216	The history and epidemiology of Middle East respiratory syndrome corona virus. Multidisciplinary Respiratory Medicine, 2017, 12, 20.	0.6	58
217	Knowledge, attitude and practice of secondary schools and university students toward Middle East Respiratory Syndrome epidemic in Saudi Arabia: A cross-sectional study. Saudi Journal of Biological Sciences, 2018, 25, 572-577.	1.8	55
218	MERS coronaviruses from camels in Africa exhibit region-dependent genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3144-3149.	3.3	142
219	Sero-prevalence of Middle East respiratory syndrome coronavirus (MERS-CoV) specific antibodies in dromedary camels in Tabuk, Saudi Arabia. Journal of Medical Virology, 2018, 90, 1285-1289.	2.5	11
220	Receptor Usage of a Novel Bat Lineage C Betacoronavirus Reveals Evolution of Middle East Respiratory Syndrome-Related Coronavirus Spike Proteins for Human Dipeptidyl Peptidase 4 Binding. Journal of Infectious Diseases, 2018, 218, 197-207.	1.9	80
221	Zoonotic origin and transmission of Middle East respiratory syndrome coronavirus in the <scp>UAE</scp>. Zoonoses and Public Health, 2018, 65, 322-333.	0.9	56

#	ARTICLE	IF	CITATIONS
222	Viral metagenomics, protein structure, and reverse genetics: Key strategies for investigating coronaviruses. <i>Virology</i> , 2018, 517, 30-37.	1.1	14
223	Analyzing the MERS disease control strategy through an optimal control problem. <i>International Journal of Applied Mathematics and Computer Science</i> , 2018, 28, 169-184.	1.5	26
224	Genetic Evidence of Middle East Respiratory Syndrome Coronavirus (MERS-Cov) and Widespread Seroprevalence among Camels in Kenya. <i>Virologica Sinica</i> , 2018, 33, 484-492.	1.2	42
225	Human Coronavirus Infections in Israel: Epidemiology, Clinical Symptoms and Summer Seasonality of HCoV-HKU1. <i>Viruses</i> , 2018, 10, 515.	1.5	88
226	MERS: Progress on the global response, remaining challenges and the way forward. <i>Antiviral Research</i> , 2018, 159, 35-44.	1.9	45
227	Countrywide Survey for MERS-Coronavirus Antibodies in Dromedaries and Humans in Pakistan. <i>Virologica Sinica</i> , 2018, 33, 410-417.	1.2	22
228	Reported Direct and Indirect Contact with Dromedary Camels among Laboratory-Confirmed MERS-CoV Cases. <i>Viruses</i> , 2018, 10, 425.	1.5	71
229	Metagenomics and Diagnosis of Zoonotic Diseases. , 0, , .		0
230	Priming Time: How Cellular Proteases Arm Coronavirus Spike Proteins. , 2018, , 71-98.		69
231	Bat Caliciviruses and Human Noroviruses Are Antigenically Similar and Have Overlapping Histo-Blood Group Antigen Binding Profiles. <i>MBio</i> , 2018, 9, .	1.8	18
232	Modeling the spread of Middle East respiratory syndrome coronavirus in Saudi Arabia. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1968-1978.	0.7	55
233	The prevalence of Middle East respiratory syndrome coronavirus (MERS-CoV) antibodies in dromedary camels in Israel. <i>Zoonoses and Public Health</i> , 2018, 65, 749-754.	0.9	33
234	MERS-CoV spillover at the camel-human interface. <i>ELife</i> , 2018, 7, .	2.8	172
235	Experimental infection of dromedaries with Middle East respiratory syndrome-Coronavirus is accompanied by massive ciliary loss and depletion of the cell surface receptor dipeptidyl peptidase 4. <i>Scientific Reports</i> , 2018, 8, 9778.	1.6	33
236	The battle against <scp>SARS</scp> and <scp>MERS</scp> coronaviruses: Reservoirs and Animal Models. <i>Animal Models and Experimental Medicine</i> , 2018, 1, 125-133.	1.3	59
237	Structural Definition of a Unique Neutralization Epitope on the Receptor-Binding Domain of MERS-CoV Spike Glycoprotein. <i>Cell Reports</i> , 2018, 24, 441-452.	2.9	57
238	Adaptive Evolution of MERS-CoV to Species Variation in DPP4. <i>Cell Reports</i> , 2018, 24, 1730-1737.	2.9	108
239	Chimeric camel/human heavy-chain antibodies protect against MERS-CoV infection. <i>Science Advances</i> , 2018, 4, eaas9667.	4.7	66

#	ARTICLE	IF	CITATIONS
240	Middle East respiratory syndrome coronavirus specific antibodies in naturally exposed Israeli llamas, alpacas and camels. <i>One Health</i> , 2018, 5, 65-68.	1.5	39
241	Live-attenuated bivalent measles virus-derived vaccines targeting Middle East respiratory syndrome coronavirus induce robust and multifunctional T cell responses against both viruses in an appropriate mouse model. <i>Virology</i> , 2018, 521, 99-107.	1.1	37
242	Middle East respiratory syndrome coronavirus and bat coronavirus HKU9 both can utilize GRP78 for attachment onto host cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 11709-11726.	1.6	153
243	Structural definition of a neutralization epitope on the N-terminal domain of MERS-CoV spike glycoprotein. <i>Nature Communications</i> , 2019, 10, 3068.	5.8	122
244	MERS Coronavirus: An Emerging Zoonotic Virus. <i>Viruses</i> , 2019, 11, 663.	1.5	22
245	Middle East Respiratory Syndrome Coronavirus in Dromedaries in Ethiopia Is Antigenically Different From the Middle East Isolate EMC. <i>Frontiers in Microbiology</i> , 2019, 10, 1326.	1.5	14
246	Serological evidence of MERS-CoV and HKU8-related CoV co-infection in Kenyan camels. <i>Emerging Microbes and Infections</i> , 2019, 8, 1528-1534.	3.0	18
247	Emerging viral infections. , 2019, , 141-154.		1
248	Evaluation of serological assays available in a biosafety level 2 laboratory and their application for survey of Middle East respiratory syndrome coronavirus among livestock in Ethiopia. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 1887-1891.	0.3	3
249	Structural insights into coronavirus entry. <i>Advances in Virus Research</i> , 2019, 105, 93-116.	0.9	669
250	Identification of a Novel Betacoronavirus (Merbecovirus) in Amur Hedgehogs from China. <i>Viruses</i> , 2019, 11, 980.	1.5	42
251	Extension of the known distribution of a novel clade C betacoronavirus in a wildlife host. <i>Epidemiology and Infection</i> , 2019, 147, e169.	1.0	21
252	Improved inference of time-varying reproduction numbers during infectious disease outbreaks. <i>Epidemics</i> , 2019, 29, 100356.	1.5	399
253	Sensitive and Specific Detection of Low-Level Antibody Responses in Mild Middle East Respiratory Syndrome Coronavirus Infections. <i>Emerging Infectious Diseases</i> , 2019, 25, 1868-1877.	2.0	80
254	Detection of MERS-CoV antigen on formalin-fixed paraffin-embedded nasal tissue of alpacas by immunohistochemistry using human monoclonal antibodies directed against different epitopes of the spike protein. <i>Veterinary Immunology and Immunopathology</i> , 2019, 218, 109939.	0.5	5
255	Diversity of Dromedary Camel Coronavirus HKU23 in African Camels Revealed Multiple Recombination Events among Closely Related Betacoronaviruses of the Subgenus Embecovirus. <i>Journal of Virology</i> , 2019, 93, .	1.5	29
256	Viruses in bats and potential spillover to animals and humans. <i>Current Opinion in Virology</i> , 2019, 34, 79-89.	2.6	195
257	Unexpected Receptor Functional Mimicry Elucidates Activation of Coronavirus Fusion. <i>Cell</i> , 2019, 176, 1026-1039.e15.	13.5	558

#	ARTICLE	IF	CITATIONS
258	What Have We Learned About Middle East Respiratory Syndrome Coronavirus Emergence in Humans? A Systematic Literature Review. <i>Vector-Borne and Zoonotic Diseases</i> , 2019, 19, 174-192.	0.6	46
259	Bactrian camels shed large quantities of Middle East respiratory syndrome coronavirus (MERS-CoV) after experimental infection. <i>Emerging Microbes and Infections</i> , 2019, 8, 717-723.	3.0	37
260	A systematic review of MERS-CoV seroprevalence and RNA prevalence in dromedary camels: Implications for animal vaccination. <i>Epidemics</i> , 2019, 29, 100350.	1.5	34
261	Epidemiology of respiratory viruses in Saudi Arabia: toward a complete picture. <i>Archives of Virology</i> , 2019, 164, 1981-1996.	0.9	15
262	Single intranasal immunization with chimpanzee adenovirus-based vaccine induces sustained and protective immunity against MERS-CoV infection. <i>Emerging Microbes and Infections</i> , 2019, 8, 760-772.	3.0	36
263	A Review of Zoonotic Pathogens of Dromedary Camels. <i>EcoHealth</i> , 2019, 16, 356-377.	0.9	56
264	Structural basis for human coronavirus attachment to sialic acid receptors. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 481-489.	3.6	475
265	Risk Factors for MERS-CoV Seropositivity among Animal Market and Slaughterhouse Workers, Abu Dhabi, United Arab Emirates, 2014-2017. <i>Emerging Infectious Diseases</i> , 2019, 25, 927-935.	2.0	20
266	Novel Bat Alphacoronaviruses in Southern China Support Chinese Horseshoe Bats as an Important Reservoir for Potential Novel Coronaviruses. <i>Viruses</i> , 2019, 11, 423.	1.5	15
267	Lack of Middle East Respiratory Syndrome Coronavirus Transmission in Rabbits. <i>Viruses</i> , 2019, 11, 381.	1.5	9
268	Qatar experience on One Health approach for middle-east respiratory syndrome coronavirus, 2012-2017: A viewpoint. <i>One Health</i> , 2019, 7, 100090.	1.5	17
269	Host Determinants of MERS-CoV Transmission and Pathogenesis. <i>Viruses</i> , 2019, 11, 280.	1.5	55
270	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. <i>Viruses</i> , 2019, 11, 212.	1.5	75
271	Comparative Serological Study for the Prevalence of Anti-MERS Coronavirus Antibodies in High- and Low-Risk Groups in Qatar. <i>Journal of Immunology Research</i> , 2019, 2019, 1-8.	0.9	37
272	Towards a solution to MERS: protective human monoclonal antibodies targeting different domains and functions of the MERS-coronavirus spike glycoprotein. <i>Emerging Microbes and Infections</i> , 2019, 8, 516-530.	3.0	99
273	Identification and design of novel small molecule inhibitors against MERS-CoV papain-like protease via high-throughput screening and molecular modeling. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1981-1989.	1.4	23
274	Potential Intermediate Hosts for Coronavirus Transmission: No Evidence of Clade 2c Coronaviruses in Domestic Livestock from Ghana. <i>Tropical Medicine and Infectious Disease</i> , 2019, 4, 34.	0.9	8
275	Global status of Middle East respiratory syndrome coronavirus in dromedary camels: a systematic review. <i>Epidemiology and Infection</i> , 2019, 147, e84.	1.0	47



#	ARTICLE	IF	CITATIONS
276	An updated roadmap for MERS-CoV research and product development: focus on diagnostics. <i>BMJ Global Health</i> , 2019, 4, e001105.	2.0	39
277	A novel luciferase immunosorbent assay performs better than a commercial enzyme-linked immunosorbent assay to detect MERS-CoV specific IgG in humans and animals. <i>Biosafety and Health</i> , 2019, 1, 134-143.	1.2	8
278	Modeling the transmission dynamics of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) with latent immigrants. <i>Journal of Interdisciplinary Mathematics</i> , 2019, 22, 903-930.	0.4	14
279	Structures of MERS-CoV spike glycoprotein in complex with sialoside attachment receptors. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1151-1157.	3.6	218
280	A database of geopositioned Middle East Respiratory Syndrome Coronavirus occurrences. <i>Scientific Data</i> , 2019, 6, 318.	2.4	22
281	Mutations in the Spike Protein of Middle East Respiratory Syndrome Coronavirus Transmitted in Korea Increase Resistance to Antibody-Mediated Neutralization. <i>Journal of Virology</i> , 2019, 93, .	1.5	111
282	A rapid scoping review of Middle East respiratory syndrome coronavirus in animal hosts. <i>Zoonoses and Public Health</i> , 2019, 66, 35-46.	0.9	5
283	A bioassay-based protocol for chemical neutralization of human faecal wastes treated by physico-chemical disinfection processes: A case study on benzalkonium chloride. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 155-167.	2.1	8
284	Advances in MERS-CoV Vaccines and Therapeutics Based on the Receptor-Binding Domain. <i>Viruses</i> , 2019, 11, 60.	1.5	97
285	MERS coronavirus outbreak: Implications for emerging viral infections. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 265-285.	0.8	104
286	Origin and evolution of pathogenic coronaviruses. <i>Nature Reviews Microbiology</i> , 2019, 17, 181-192.	13.6	3,993
287	An Overview of Middle East Respiratory Syndrome in the Middle East. , 2019, , 287-291.		2
288	Unraveling the Epidemiology, Geographical Distribution, and Genomic Evolution of Potentially Lethal Coronaviruses (SARS, MERS, and SARS CoV-2). <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 499.	1.8	18
289	Druggable targets from coronaviruses for designing new antiviral drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115745.	1.4	20
290	2020 update on human coronaviruses: One health, one world. <i>Medicine in Novel Technology and Devices</i> , 2020, 8, 100043.	0.9	21
291	The Coronavirus Disease 2019 pandemic: how does it spread and how do we stop it?. <i>Current Opinion in HIV and AIDS</i> , 2020, 15, 328-335.	1.5	7
292	Tocilizumab for treatment patients with COVID-19: Recommended medication for novel disease. <i>International Immunopharmacology</i> , 2020, 89, 107018.	1.7	63
293	Coronaviruses in wastewater processes: Source, fate and potential risks. <i>Environment International</i> , 2020, 143, 105962.	4.8	108

#	ARTICLE	IF	CITATIONS
294	<p>&lt;p&gt;Trend Dynamics of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission in 16 Cities of Hubei Province, China&lt;/p&gt;. Clinical Epidemiology, 2020, Volume 12, 699-709.</p>	1.5	5
295	<p>A new threat from an old enemy: Reâ€œemergence of coronavirus (Review). International Journal of Molecular Medicine, 2020, 45, 1631-1643.</p>	1.8	175
296	<p>Susceptibility to SARS, MERS, and COVID-19 from animal health perspective. Open Veterinary Journal, 2020, 10, 164-177.</p>	0.3	22
297	<p>Phylogenetic Analysis of MERS-CoV in a Camel Abattoir, Saudi Arabia, 2016â€œ2018. Emerging Infectious Diseases, 2020, 26, 3089-3091.</p>	2.0	8
298	<p>Understanding transmission and intervention for the COVID-19 pandemic in the United States. Science of the Total Environment, 2020, 748, 141560.</p>	3.9	34
299	<p>SARS-CoV-2 and the Eye: Implications for the Retina Specialist From Human Coronavirus Outbreaks and Animal Models. Journal of Vitreoretinal Diseases, 2020, 4, 411-419.</p>	0.2	2
300	<p>Loop-Mediated Isothermal Amplification (LAMP): A Rapid, Sensitive, Specific, and Cost-Effective Point-of-Care Test for Coronaviruses in the Context of COVID-19 Pandemic. Biology, 2020, 9, 182.</p>	1.3	168
301	<p>Targeting SARSâ€œCoVâ€œ2 RBD Interface: a Supervised Computational Dataâ€œDriven Approach to Identify Potential Modulators. ChemMedChem, 2020, 15, 1921-1931.</p>	1.6	7
302	<p>SARS-CoV-2 in fruit bats, ferrets, pigs, and chickens: an experimental transmission study. Lancet Microbe, The, 2020, 1, e218-e225.</p>	3.4	434
303	<p>Vaccine Design from the Ensemble of Surface Glycoprotein Epitopes of SARS-CoV-2: An Immunoinformatics Approach. Vaccines, 2020, 8, 423.</p>	2.1	55
304	<p>Edible insects unlikely to contribute to transmission of coronavirus SARS-CoV-2. Journal of Insects As Food and Feed, 2020, 6, 333-339.</p>	2.1	22
305	<p>Ayurveda and Allopathic Therapeutic Strategies in Coronavirus Pandemic Treatment 2020. Current Pharmacology Reports, 2020, 6, 354-363.</p>	1.5	16
306	<p>Deciphering underlying mechanism of Sars-CoV-2 infection in humans and revealing the therapeutic potential of bioactive constituents from <i>Nigella sativa</i> to combat COVID19: <i>in-silico</i> study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2417-2429.</p>	2.0	27
307	<p>COVIDâ€œ19: An overview for dermatologists. International Journal of Dermatology, 2020, 59, 1437-1449.</p>	0.5	16
308	<p>A serological survey of SARS-CoV-2 in cat in Wuhan. Emerging Microbes and Infections, 2020, 9, 2013-2019.</p>	3.0	240
309	<p>Comparative genome analysis of novel coronavirus (SARS-CoV-2) from different geographical locations and the effect of mutations on major target proteins: An <i>in silico</i> insight. PLoS ONE, 2020, 15, e0238344.</p>	1.1	76
310	<p>Coronavirus interactions with the cellular autophagy machinery. Autophagy, 2020, 16, 2131-2139.</p>	4.3	113
311	<p>An overview of Middle East respiratory syndrome coronavirus vaccines in preclinical studies. Expert Review of Vaccines, 2020, 19, 817-829.</p>	2.0	10

#	ARTICLE	IF	CITATIONS
312	Immunoinformatic identification of B cell and T cell epitopes in the SARS-CoV-2 proteome. <i>Scientific Reports</i> , 2020, 10, 14179.	1.6	80
313	Why COVID-19 Transmission Is More Efficient and Aggressive Than Viral Transmission in Previous Coronavirus Epidemics?. <i>Biomolecules</i> , 2020, 10, 1312.	1.8	37
314	Pathophysiology and treatment strategies for COVID-19. <i>Journal of Translational Medicine</i> , 2020, 18, 353.	1.8	71
315	COVID-19 Is a Multifaceted Challenging Pandemic Which Needs Urgent Public Health Interventions. <i>Microorganisms</i> , 2020, 8, 1228.	1.6	29
316	Pathology of Coronavirus Infections: A Review of Lesions in Animals in the One-Health Perspective. <i>Animals</i> , 2020, 10, 2377.	1.0	25
317	Assessing the aggregated probability of entry of a novel prion disease agent into the United Kingdom. <i>Microbial Risk Analysis</i> , 2020, 16, 100134.	1.3	2
318	Systemic mycoses: a potential alert for complications in COVID-19 patients. <i>Future Microbiology</i> , 2020, 15, 1405-1413.	1.0	38
319	Effective treatment of severe COVID-19 patients with tocilizumab. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10970-10975.	3.3	2,090
320	COVID-19: The first documented coronavirus pandemic in history. <i>Biomedical Journal</i> , 2020, 43, 328-333.	1.4	545
321	Particulate multivalent presentation of the receptor binding domain induces protective immune responses against MERS-CoV. <i>Emerging Microbes and Infections</i> , 2020, 9, 1080-1091.	3.0	26
322	From the Common Cold to a Chaotic Contagion: the Potential for Coronaviruses To Cause Outbreaks of Severe Respiratory Disease Representing a Global Health Threat. <i>Clinical Microbiology Newsletter</i> , 2020, 42, 95-103.	0.4	1
323	Analysis of Codon Usage and Nucleotide Bias in Middle East Respiratory Syndrome Coronavirus Genes. <i>Evolutionary Bioinformatics</i> , 2020, 16, 117693432091886.	0.6	10
324	Potential Therapeutic Targeting of Coronavirus Spike Glycoprotein Priming. <i>Molecules</i> , 2020, 25, 2424.	1.7	18
325	Emerging coronavirus diseases and future perspectives. <i>VirusDisease</i> , 2020, 31, 113-120.	1.0	4
326	The epidemiological characteristics of 2019 novel coronavirus diseases (COVID-19) in Jingmen, Hubei, China. <i>Medicine (United States)</i> , 2020, 99, e20605.	0.4	47
327	Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein. <i>Cell</i> , 2020, 181, 281-292.e6.	13.5	6,979
328	Learning from history: Coronavirus outbreaks in the past. <i>Dermatologic Therapy</i> , 2020, 33, e13343.	0.8	18
329	Middle East respiratory syndrome. <i>Lancet, The</i> , 2020, 395, 1063-1077.	6.3	358

#	ARTICLE	IF	CITATIONS
330	Insights into the Recent 2019 Novel Coronavirus (SARS-CoV-2) in Light of Past Human Coronavirus Outbreaks. <i>Pathogens</i> , 2020, 9, 186.	1.2	434
331	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
332	Analysis of Possible Intermediate Hosts of the New Coronavirus SARS-CoV-2. <i>Frontiers in Veterinary Science</i> , 2020, 7, 379.	0.9	24
333	The epidemiologic and clinical features of suspected and confirmed cases of imported 2019 novel coronavirus pneumonia in north Shanghai, China. <i>Annals of Translational Medicine</i> , 2020, 8, 637-637.	0.7	22
334	Middle East Respiratory Syndrome Coronavirus (MERS-CoV): State of the Science. <i>Microorganisms</i> , 2020, 8, 991.	1.6	30
335	The influence of interferon-lambda on restricting Middle East Respiratory Syndrome Coronavirus replication in the respiratory epithelium. <i>Antiviral Research</i> , 2020, 180, 104860.	1.9	14
336	Middle East Respiratory Syndrome Coronavirus and Severe Acute Respiratory Syndrome Coronavirus. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2020, 41, 568-578.	0.8	13
337	Reproduction of East-African bats may guide risk mitigation for coronavirus spillover. <i>One Health Outlook</i> , 2020, 2, 2.	1.4	31
338	Polymorphisms in dipeptidyl peptidase 4 reduce host cell entry of Middle East respiratory syndrome coronavirus. <i>Emerging Microbes and Infections</i> , 2020, 9, 155-168.	3.0	77
339	Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study. <i>Lancet, The</i> , 2020, 395, 507-513.	6.3	16,090
340	Evolutionary perspectives on novel coronaviruses identified in pneumonia cases in China. <i>National Science Review</i> , 2020, 7, 239-242.	4.6	50
341	Middle East Respiratory Syndrome Coronavirus Transmission. <i>Emerging Infectious Diseases</i> , 2020, 26, 191-198.	2.0	169
342	Dynamic profile of RT-PCR findings from 301 COVID-19 patients in Wuhan, China: A descriptive study. <i>Journal of Clinical Virology</i> , 2020, 127, 104346.	1.6	150
343	Serologic Detection of Middle East Respiratory Syndrome Coronavirus Functional Antibodies. <i>Emerging Infectious Diseases</i> , 2020, 26, 1024-1027.	2.0	16
344	The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients. <i>International Immunopharmacology</i> , 2020, 84, 106504.	1.7	709
345	Novel human coronavirus (SARS-CoV-2): A lesson from animal coronaviruses. <i>Veterinary Microbiology</i> , 2020, 244, 108693.	0.8	298
346	Stem Cells Therapy as a Possible Therapeutic Option in Treating COVID-19 Patients. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 144-152.	1.7	23
347	Emerging Human Coronavirus Infections (SARS, MERS, and COVID-19): Where They Are Leading Us. <i>International Reviews of Immunology</i> , 2021, 40, 5-53.	1.5	20

#	ARTICLE	IF	CITATIONS
348	What HIV in the Brain Can Teach Us About SARS-CoV-2 Neurological Complications?. <i>AIDS Research and Human Retroviruses</i> , 2021, 37, 255-265.	0.5	15
349	T-cell responses to MERS coronavirus infection in people with occupational exposure to dromedary camels in Nigeria: an observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 385-395.	4.6	50
350	Exploring the potential of foodborne transmission of respiratory viruses. <i>Food Microbiology</i> , 2021, 95, 103709.	2.1	18
351	Drug repurposing approach to combating coronavirus: Potential drugs and drug targets. <i>Medicinal Research Reviews</i> , 2021, 41, 1375-1426.	5.0	28
352	Towards a novel peptide vaccine for Middle East respiratory syndrome coronavirus and its possible use against pandemic COVID-19. <i>Journal of Molecular Liquids</i> , 2021, 324, 114706.	2.3	10
353	Zoonotic coronavirus epidemics. <i>Annals of Allergy, Asthma and Immunology</i> , 2021, 126, 321-337.	0.5	8
354	Coronavirus biology and replication: implications for SARS-CoV-2. <i>Nature Reviews Microbiology</i> , 2021, 19, 155-170.	13.6	2,062
355	Repurposed Drugs, Molecular Vaccines, Immune Modulators, and Nanotherapeutics to Treat and Prevent COVID-19 Associated with SARS-CoV-2, a Deadly Nanovector. <i>Advanced Therapeutics</i> , 2021, 4, 2000172.	1.6	24
356	Compositional diversity and evolutionary pattern of coronavirus accessory proteins. <i>Briefings in Bioinformatics</i> , 2021, 22, 1267-1278.	3.2	26
357	Structural basis of SARS-CoV-2 spike protein induced by ACE2. <i>Bioinformatics</i> , 2021, 37, 929-936.	1.8	19
358	Coronaviruses: Molecular Biology (Coronaviridae). , 2021, , 198-207.		0
359	Epidemiology, virology, and history of Covid-19 infection. , 2021, , 1-22.		1
360	SARS-CoV-2 in animals: From potential hosts to animal models. <i>Advances in Virus Research</i> , 2021, 110, 59-102.	0.9	33
361	Middle East respiratory syndrome: outbreak response priorities, treatment strategies, and clinical management approaches. , 2021, , 111-122.		0
362	Digestive system involvement of infections with SARS-CoV-2 and other coronaviruses: Clinical manifestations and potential mechanisms. <i>World Journal of Gastroenterology</i> , 2021, 27, 561-575.	1.4	3
363	The history of the emergence and transmission of human coronaviruses. <i>Onderstepoort Journal of Veterinary Research</i> , 2021, 88, e1-e8.	0.6	17
364	Fighting COVID-19 in the West Africa after experiencing the Ebola epidemic. <i>Health Promotion Perspectives</i> , 2021, 11, 5-11.	0.8	14
366	SARS-CoV-2, SARS and MERS: Three formidable coronaviruses which have originated from bats. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2021, 75, 91-100.	0.1	0

#	ARTICLE	IF	CITATIONS
367	Preventing Zoonotic Emerging Disease Outbreaks: The Need to Complement One Health with Ethical Considerations. <i>Journal of Applied Animal Ethics Research</i> , 2021, 3, 5-15.	0.2	0
368	Clinical utility of a computed tomography-based receiver operating characteristic curve model for the diagnosis of COVID-19. <i>Annals of Palliative Medicine</i> , 2021, 10, 2048-2061.	0.5	1
369	A Timely Call to Arms: COVID-19, the Circadian Clock, and Critical Care. <i>Journal of Biological Rhythms</i> , 2021, 36, 55-70.	1.4	22
371	QSAR Modelling of Peptidomimetic Derivatives towards HKU4-CoV 3CLpro Inhibitors against MERS-CoV. <i>Chemistry</i> , 2021, 3, 391-401.	0.9	5
372	Diagnosis for COVID-19: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 269-288.	1.5	29
373	Emergence of Bat-Related Betacoronaviruses: Hazard and Risks. <i>Frontiers in Microbiology</i> , 2021, 12, 591535.	1.5	45
374	SARS-CoV-2: sewage surveillance as an early warning system and challenges in developing countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22221-22240.	2.7	38
375	Epidemiology of coronaviruses, genetics, vaccines, and scenario of current pandemic of coronavirus diseases 2019 (COVID-19): a fuzzy set approach. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 1296-1303.	1.4	4
376	Lethal zoonotic coronavirus infections of humans – comparative phylogenetics, epidemiology, transmission, and clinical features of coronavirus disease 2019, The Middle East respiratory syndrome and severe acute respiratory syndrome. <i>Current Opinion in Pulmonary Medicine</i> , 2021, 27, 146-154.	1.2	9
377	Lack of detection of the Middle East respiratory syndrome coronavirus (MERS-CoV) nucleic acids in some <i>Hyalomma dromedarii</i> infesting some <i>Camelus dromedary</i> naturally infected with MERS-CoV. <i>BMC Research Notes</i> , 2021, 14, 96.	0.6	5
378	Light Sheet Microscopy-Assisted 3D Analysis of SARS-CoV-2 Infection in the Respiratory Tract of the Ferret Model. <i>Viruses</i> , 2021, 13, 529.	1.5	18
379	Awareness of COVID-19 Before and After Quarantine Based on Crowdsourced Data From Rabigh City, Saudi Arabia: A Cross-Sectional and Comparative Study. <i>Frontiers in Public Health</i> , 2021, 9, 632024.	1.3	5
380	Protein Intrinsic Disorder and Evolvability of MERS-CoV. <i>Biomolecules</i> , 2021, 11, 608.	1.8	3
381	Sequence and phylogentic analysis of MERS-CoV in Saudi Arabia, 2012–2019. <i>Virology Journal</i> , 2021, 18, 90.	1.4	7
382	Relationship between leukocyte, neutrophil, lymphocyte, platelet counts, and neutrophil to lymphocyte ratio and polymerase chain reaction positivity. <i>International Immunopharmacology</i> , 2021, 93, 107390.	1.7	14
383	The taxonomy, host range and pathogenicity of coronaviruses and other viruses in the Nidovirales order. <i>Animal Diseases</i> , 2021, 1, 5.	0.6	67
384	Aerosol Transmission of Coronavirus and Influenza Virus of Animal Origin. <i>Frontiers in Veterinary Science</i> , 2021, 8, 572012.	0.9	9
386	Overview of Bat and Wildlife Coronavirus Surveillance in Africa: A Framework for Global Investigations. <i>Viruses</i> , 2021, 13, 936.	1.5	23

#	ARTICLE	IF	CITATIONS
387	A serological survey of severe acute respiratory syndrome coronavirus 2 in dogs in Wuhan. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 591-597.	1.3	29
388	Structural basis for broad coronavirus neutralization. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 478-486.	3.6	152
389	A Correlation among the COVID-19 Spread, Particulate Matters, and Angiotensin-Converting Enzyme 2: A Review. <i>Journal of Environmental and Public Health</i> , 2021, 2021, 1-8.	0.4	12
390	Network-based virus-host interaction prediction with application to SARS-CoV-2. <i>Patterns</i> , 2021, 2, 100242.	3.1	18
392	SARS-CoV-2: Insight in genome structure, pathogenesis and viral receptor binding analysis – An updated review. <i>International Immunopharmacology</i> , 2021, 95, 107493.	1.7	27
393	Temporal evolution, most influential studies and sleeping beauties of the coronavirus literature. <i>Scientometrics</i> , 2021, 126, 7005-7050.	1.6	12
394	Middle East Respiratory Syndrome (MERS) Virus – Pathophysiological Axis and the Current Treatment Strategies. <i>AAPS PharmSciTech</i> , 2021, 22, 173.	1.5	17
395	SARS-CoV-2: An Overview of Virus Genetics, Transmission, and Immunopathogenesis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6312.	1.2	15
396	Characteristics and Developments in Mesenchymal Stem Cell Therapy for COVID-19: An Update. <i>Stem Cells International</i> , 2021, 2021, 1-16.	1.2	7
397	Immunoinformatics based prediction of recombinant multi-epitope vaccine for the control and prevention of SARS-CoV-2. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3087-3097.	3.4	9
398	One Health: EAACI Position Paper on coronaviruses at the human-animal interface, with a specific focus on comparative and zoonotic aspects of SARS-CoV-2. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 55-71.	2.7	19
399	Antiviral Therapeutic Approaches for SARS-CoV-2 Infection: A Systematic Review. <i>Pharmaceuticals</i> , 2021, 14, 736.	1.7	15
401	Bat virome research: the past, the present and the future. <i>Current Opinion in Virology</i> , 2021, 49, 68-80.	2.6	17
402	Modelling conformational state dynamics and its role on infection for SARS-CoV-2 Spike protein variants. <i>PLoS Computational Biology</i> , 2021, 17, e1009286.	1.5	79
403	Contribution of SARS-CoV-2 Accessory Proteins to Viral Pathogenicity in K18 Human ACE2 Transgenic Mice. <i>Journal of Virology</i> , 2021, 95, e0040221.	1.5	97
404	Functional comparison of MERS-coronavirus lineages reveals increased replicative fitness of the recombinant lineage 5. <i>Nature Communications</i> , 2021, 12, 5324.	5.8	11
405	The effect of population size for pathogen transmission on prediction of COVID-19 spread. <i>Scientific Reports</i> , 2021, 11, 18024.	1.6	9
406	Broad cross-reactivity across sarbecoviruses exhibited by a subset of COVID-19 donor-derived neutralizing antibodies. <i>Cell Reports</i> , 2021, 36, 109760.	2.9	80

#	ARTICLE	IF	CITATIONS
407	Genetic diversity of bat coronaviruses and comparative genetic analysis of MERS-related coronaviruses in South Korea. <i>Transboundary and Emerging Diseases</i> , 2021, .	1.3	1
408	Bats and viruses: a death-defying friendship. <i>VirusDisease</i> , 2021, 32, 467-479.	1.0	8
409	Animal models of SARS-CoV-2 transmission. <i>Current Opinion in Virology</i> , 2021, 50, 8-16.	2.6	21
410	Furin cleavage sites in the spike proteins of bat and rodent coronaviruses: Implications for virus evolution and zoonotic transfer from rodent species. <i>One Health</i> , 2021, 13, 100282.	1.5	19
411	Comparison of neutrophil lymphocyte ratio, platelet lymphocyte ratio, and mean platelet volume and PCR test in COVID-19 patients. <i>Revista Da Associação Médica Brasileira</i> , 2021, 67, 40-45.	0.3	2
412	MERS-CoV: epidemiology, molecular dynamics, therapeutics, and future challenges. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2021, 20, 8.	1.7	22
413	Characterization of bat coronaviruses: a latent global threat. <i>Journal of Veterinary Science</i> , 2021, 22, e72.	0.5	1
415	Evaluating MERS-CoV Entry Pathways. <i>Methods in Molecular Biology</i> , 2020, 2099, 9-20.	0.4	32
416	Influenza, Measles, SARS, MERS, and Smallpox. , 2020, , 69-96.		3
417	Emerging Animal Coronaviruses: First SARS and Now MERS. , 2017, , 63-80.		8
418	Diagnostic approaches and potential therapeutic options for coronavirus disease 2019. <i>New Microbes and New Infections</i> , 2020, 38, 100770.	0.8	12
419	Spiking Pandemic Potential: Structural and Immunological Aspects of SARS-CoV-2. <i>Trends in Microbiology</i> , 2020, 28, 605-618.	3.5	28
420	The biggest mystery: what it will take to trace the coronavirus source. <i>Nature</i> , 2020, , .	13.7	22
421	Evolutionary and codon usage preference insights into spike glycoprotein of SARS-CoV-2. <i>Briefings in Bioinformatics</i> , 2021, 22, 1006-1022.	3.2	20
422	Evidence for zoonotic origins of Middle East respiratory syndrome coronavirus. <i>Journal of General Virology</i> , 2016, 97, 274-280.	1.3	36
423	Naturally occurring recombination in ferret coronaviruses revealed by complete genome characterization. <i>Journal of General Virology</i> , 2016, 97, 2180-2186.	1.3	14
424	Diverse novel astroviruses identified in wild Himalayan marmots. <i>Journal of General Virology</i> , 2017, 98, 612-623.	1.3	3
425	A review of candidate therapies for Middle East respiratory syndrome from a molecular perspective. <i>Journal of Medical Microbiology</i> , 2017, 66, 1261-1274.	0.7	37



#	ARTICLE	IF	CITATIONS
439	Comorbid diabetes results in immune dysregulation and enhanced disease severity following MERS-CoV infection. JCI Insight, 2019, 4, .	2.3	267
440	Epidemiological and clinical characteristics of fifty-six cases of COVID-19 in Liaoning Province, China. World Journal of Clinical Cases, 2020, 8, 5188-5202.	0.3	8
441	CD26/DPP4 Cell-Surface Expression in Bat Cells Correlates with Bat Cell Susceptibility to Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Infection and Evolution of Persistent Infection. PLoS ONE, 2014, 9, e112060.	1.1	33
442	Serological Evidence of MERS-CoV Antibodies in Dromedary Camels (Camelus dromedaries) in Laikipia County, Kenya. PLoS ONE, 2015, 10, e0140125.	1.1	43
443	A metagenomic viral discovery approach identifies potential zoonotic and novel mammalian viruses in Neoromicia bats within South Africa. PLoS ONE, 2018, 13, e0194527.	1.1	69
444	MERS-CoV pathogenesis and antiviral efficacy of licensed drugs in human monocyte-derived antigen-presenting cells. PLoS ONE, 2018, 13, e0194868.	1.1	93
445	Recombinant adenoviral vaccine encoding the spike 1 subunit of the Middle East Respiratory Syndrome Coronavirus elicits strong humoral and cellular immune responses in mice. Veterinary World, 2019, 12, 1554-1562.	0.7	19
446	Emerging infectious diseases: prediction and detection. Canada Communicable Disease Report, 2017, 43, 206-211.	0.6	29
447	The updates on Middle East Respiratory Syndrome coronavirus (MERS-CoV) epidemiology, pathogenesis, viral genome and currently available drugs. Journal of Pharmaceutical Chemistry, 2016, 3, 10-18.	0.2	4
448	Determine the most common clinical symptoms in COVID-19 patients: a systematic review and meta-analysis. Journal of Preventive Medicine and Hygiene, 2020, 61, E304-E312.	0.9	126
449	The SARS-CoV-2 Coronavirus and the COVID-19 Outbreak. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2020, 46, 6-18.	0.7	54
450	Middle East respiratory syndrome coronavirus and human-camel relationships in Qatar. Medicine Anthropology Theory, 2018, 5, .	0.6	5
451	Biodiversity and epidemic potential of Chiropteran coronaviruses (<i>Nidovirales: Coronaviridae</i>). South of Russia: Ecology, Development, 2020, 15, 17-34.	0.1	6
452	Infection with SARS-CoV-2 causes abnormal laboratory results of multiple organs in patients. Aging, 2020, 12, 10059-10069.	1.4	47
453	Efficacy and safety of tocilizumab in COVID-19 patients. Aging, 2020, 12, 18878-18888.	1.4	12
454	Genomics and zoonotic infections: Middle East respiratory syndrome. OIE Revue Scientifique Et Technique, 2016, 35, 191-202.	0.5	8
455	The Epidemiological Characteristics of 2019 Novel Coronavirus Diseases (COVID-19) in Jingmen, China. SSRN Electronic Journal, 0, , .	0.4	14
456	Experimental Transmission Studies of SARS-CoV-2 in Fruit Bats, Ferrets, Pigs and Chickens. SSRN Electronic Journal, 0, , .	0.4	19

#	ARTICLE	IF	CITATIONS
457	Middle East respiratory syndrome coronavirus (MERS-CoV) in dromedary camels in Nigeria, 2015. <i>Eurosurveillance</i> , 2015, 20, .	3.9	59
458	Middle East respiratory syndrome coronavirus (MERS-CoV) neutralising antibodies in a high-risk human population, Morocco, November 2017 to January 2018. <i>Eurosurveillance</i> , 2019, 24, .	3.9	16
459	Authors'™ reply: Middle East respiratory syndrome coronavirus (MERS-CoV) in dromedary camels: are dromedary camels a reservoir for MERS-CoV?. <i>Eurosurveillance</i> , 2014, 19, .	3.9	1
460	Middle East respiratory syndrome coronavirus (MERS-CoV) infections in two returning travellers in the Netherlands, May 2014. <i>Eurosurveillance</i> , 2014, 19, .	3.9	66
461	Seroepidemiology of Middle East respiratory syndrome (MERS) coronavirus in Saudi Arabia (1993) and Australia (2014) and characterisation of assay specificity. <i>Eurosurveillance</i> , 2014, 19, .	3.9	96
462	Infection, Replication, and Transmission of Middle East Respiratory Syndrome Coronavirus in Alpacas. <i>Emerging Infectious Diseases</i> , 2016, 22, 1031-1037.	2.0	49
463	Geographic Distribution of MERS Coronavirus among Dromedary Camels, Africa. <i>Emerging Infectious Diseases</i> , 2014, 20, .	2.0	5
465	Middle East respiratory syndrome: SARS redux?. <i>Cleveland Clinic Journal of Medicine</i> , 2015, 82, 584-588.	0.6	2
466	No Serologic Evidence of Middle East Respiratory Syndrome Coronavirus Infection Among Camel Farmers Exposed to Highly Seropositive Camel Herds: A Household Linked Study, Kenya, 2013. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 96, 1318-1324.	0.6	33
467	Inflammatory Markers in COVID-19. <i>Annals of the Academy of Medicine, Singapore</i> , 2020, 49, 393-397.	0.2	5
468	The Middle East Respiratory Syndrome Coronavirus ( MERS - COV ). <i>World Family Medicine Journal/Middle East Journal of Family Medicine</i> , 2015, 13, 27-30.	0.1	6
469	COVID-19 Pandemic in the World and its Relation to Human Development Index: A Global Study. <i>Archives of Clinical Infectious Diseases</i> , 2020, 15, .	0.1	11
470	SARS-CoV, MERS-CoV, SARS-CoV-2 Comparison of Three Emerging Coronaviruses. <i>Jundishapur Journal of Microbiology</i> , 2020, 13, .	0.2	22
471	FastViromeExplorer: a pipeline for virus and phage identification and abundance profiling in metagenomics data. <i>PeerJ</i> , 2018, 6, e4227.	0.9	70
472	Knowledge and Apprehension of Dental Patients about MERS-A Questionnaire Survey. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2016, 10, ZC58-62.	0.8	27
473	Immune Responses to MERS-CoV in Humans and Animals. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1313, 85-97.	0.8	0
474	Genetic Insights into the Middle East Respiratory Syndrome Coronavirus Infection among Saudi People. <i>Vaccines</i> , 2021, 9, 1193.	2.1	2
475	Novel coronavirus pathogen in humans and animals: an overview on its social impact, economic impact, and potential treatments. <i>Environmental Science and Pollution Research</i> , 2021, 28, 68071-68089.	2.7	15

#	ARTICLE	IF	CITATIONS
477	Evolution, Interspecies Transmission, and Zoonotic Significance of Animal Coronaviruses. <i>Frontiers in Veterinary Science</i> , 2021, 8, 719834.	0.9	7
479	Emerging Infectious Diseases in Camelids. , 2017, , 425-441.		5
482	Middle East Respiratory Syndrome- A Review Study. <i>American Journal of PharmTech Research</i> , 2018, 8, 58-73.	0.2	0
486	What we (do not) know about mammal coronavirus and general virus? Using bibliometric information to identify neglected taxonomic groups and potential viral reservoirs of zoonotic importance. <i>Multi-Science Journal</i> , 2020, 3, 53-58.	0.1	0
487	Liberty and Pandemics: A Libertarian Approach to the Global COVID-19 Situation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
488	The history of the emergence and transmission of human coronaviruses. <i>Onderstepoort Journal of Veterinary Research</i> , 2020, 87, .	0.6	0
489	Virxicon: a lexicon of viral sequences. <i>Bioinformatics</i> , 2021, 36, 5507-5513.	1.8	6
490	Gastrointestinal Manifestation as Clinical Predictor of Severe COVID-19: A Retrospective Experience and Literature Review of COVID-19 in ASEAN. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
491	A Vision to Face Covid-19 pandemic and Future Risks Through Artificial Intelligence. <i>Journal of Basic and Applied Research in Biomedicine</i> , 2022, 6, 15-20.	0.3	1
494	Emerging and re-emerging infectious diseases in Iran. <i>Iranian Journal of Microbiology</i> , 2017, 9, 122-142.	0.8	12
495	A critical perspective on pandemics and epidemics: building a bridge between public health and science education. <i>Cultural Studies of Science Education</i> , 2021, 16, 1029-1045.	0.9	0
496	MERS-CoV Confirmation among 6,873 suspected persons and relevant Epidemiologic and Clinical Features, Saudi Arabia " 2014 to 2019. <i>EClinicalMedicine</i> , 2021, 41, 101191.	3.2	12
497	COVID-19 Pandemic: Public Health Risk Assessment and Risk Mitigation Strategies. <i>Journal of Personalized Medicine</i> , 2021, 11, 1243.	1.1	6
498	A Systematic Review on COVID-19 Vaccine Strategies, Their Effectiveness, and Issues. <i>Vaccines</i> , 2021, 9, 1387.	2.1	51
499	Advances in mRNA and other vaccines against MERS-CoV. <i>Translational Research</i> , 2022, 242, 20-37.	2.2	11
500	The Respiratory Disease. , 2021, , 303-306.		0
501	The transmission dynamics of Middle East Respiratory Syndrome coronavirus. <i>Travel Medicine and Infectious Disease</i> , 2022, 45, 102243.	1.5	6
502	Presence of Recombinant Bat Coronavirus GCCDC1 in Cambodian Bats. <i>Viruses</i> , 2022, 14, 176.	1.5	2

#	ARTICLE	IF	CITATIONS
503	Detection of homologous recombination events in SARS-CoV-2. <i>Biotechnology Letters</i> , 2022, 44, 399-414.	1.1	11
504	Inactivated Rabies Virus Vectedored MERS-Coronavirus Vaccine Induces Protective Immunity in Mice, Camels, and Alpacas. <i>Frontiers in Immunology</i> , 2022, 13, 823949.	2.2	5
505	Genome-wide transcriptome analysis of porcine epidemic diarrhea virus virulent or avirulent strain-infected porcine small intestinal epithelial cells. <i>Virologica Sinica</i> , 2022, 37, 70-81.	1.2	3
506	Middle East respiratory syndrome coronavirus infection in camelids. <i>Veterinary Pathology</i> , 2022, 59, 546-555.	0.8	6
507	Design of a multi-epitope vaccine against SARS-CoV-2: immunoinformatic and computational methods. <i>RSC Advances</i> , 2022, 12, 4288-4310.	1.7	16
508	Porcine Deltacoronavirus Utilizes Sialic Acid as an Attachment Receptor and Trypsin Can Influence the Binding Activity. <i>Viruses</i> , 2021, 13, 2442.	1.5	13
509	Mutation signatures inform the natural host of SARS-CoV-2. <i>National Science Review</i> , 2022, 9, nwab220.	4.6	15
510	Human Challenge Studies with Coronaviruses Old and New. <i>Current Topics in Microbiology and Immunology</i> , 2021, , 1.	0.7	0
512	Probable Animal-to-Human Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Delta Variant AY.127 Causing a Pet Shop-Related Coronavirus Disease 2019 (COVID-19) Outbreak in Hong Kong. <i>Clinical Infectious Diseases</i> , 2022, 75, e76-e81.	2.9	20
514	Rapid screening and identification of viral pathogens in metagenomic data. <i>BMC Medical Genomics</i> , 2021, 14, 289.	0.7	2
515	Drug repurposing and other strategies for rapid coronavirus antiviral development: lessons from the early stage of the COVID-19 pandemic. , 2021, , 39-68.		0
516	Unifying the Efforts of Medicine, Chemistry, and Engineering in Biosensing Technologies to Tackle the Challenges of the COVID-19 Pandemic. <i>Analytical Chemistry</i> , 2022, 94, 3-25.	3.2	13
517	Monitoring of the Middle East Respiratory Syndrome Coronavirus Activity in a Secluded Herd of Camels Kept Under Field Conditions. <i>Vector-Borne and Zoonotic Diseases</i> , 2021, 21, 994-1002.	0.6	1
518	Historical perspective: other human coronavirus infectious diseases, SARS and MERS. , 2021, , 28-38.		0
519	Middle East Respiratory Syndrome Coronavirus. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2021, 42, 828-838.	0.8	7
520	Adaptive Evolution of the Fox Coronavirus Based on Genome-Wide Sequence Analysis. <i>BioMed Research International</i> , 2022, 2022, 1-8.	0.9	0
525	Current strategies and future perspectives in COVID-19 therapy. , 2022, , 169-227.		0
526	A tentative tracking of the SARS-Cov2 pandemic in France, based on a corrected SIR model including vaccination effects. <i>EPJ Web of Conferences</i> , 2022, 263, 01002.	0.1	0

#	ARTICLE	IF	CITATIONS
527	Why do some coronaviruses become pandemic threats when others do not?. PLoS Biology, 2022, 20, e3001652.	2.6	3
528	Antimalarial phytochemicals as potential inhibitors of SARS-CoV-2 guanine N7-methyltransferase (nsp Tj ETQq1 1 0,784314 rgBT /Ov	2.0	1
529	Emerging viruses: Cross-species transmission of coronaviruses, filoviruses, henipaviruses, and rotaviruses from bats. Cell Reports, 2022, 39, 110969.	2.9	29
530	Editorial: Ecology and Evolution of Coronaviruses: Implications for Human Health. Frontiers in Public Health, 0, 10, .	1.3	0
531	Biological Properties of SARS-CoV-2 Variants: Epidemiological Impact and Clinical Consequences. Vaccines, 2022, 10, 919.	2.1	23
532	Origin, evolution, and pathogenesis of coronaviruses. , 2022, , 253-277.		0
533	THE DIAGNOSTIC AND PREDICTIVE ROLE OF NEUTROPHIL LYMPHOCYTES RATIO, D-NLR AND PLATELET LYMPHOCYTES RATIO IN COVID-19 PATIENTS. , 2022, , 24-26.		0
534	SARS-CoV-2 and the Missing Link of Intermediate Hosts in Viral Emergence - What We Can Learn From Other Betacoronaviruses. Frontiers in Virology, 0, 2, .	0.7	3
535	The COVID-19 pandemic â€“ How many times were we warned before?. European Journal of Internal Medicine, 2022, 105, 8-14.	1.0	7
536	Identification and quantification of bioactive compounds suppressing SARS-CoV-2 signals in wastewater-based epidemiology surveillance. Water Research, 2022, 221, 118824.	5.3	7
537	Outbreak of Middle East Respiratory Syndrome Coronavirus in Camels and Probable Spillover Infection to Humans in Kenya. Viruses, 2022, 14, 1743.	1.5	8
538	Heterogeneity in the onwards transmission risk between local and imported cases affects practical estimates of the time-dependent reproduction number. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	12
539	A novel cardiovirus species identified in feces of wild Himalayan marmots. Infection, Genetics and Evolution, 2022, 103, 105347.	1.0	1
540	Meta-analysis of seroprevalence and zoonotic infections of Middle East respiratory syndrome coronavirus (MERS-CoV): A one-health perspective. One Health, 2022, 15, 100436.	1.5	1
541	Bioactive compounds and herbal preparations implicated in the treatment of SARS-CoV-2. , 2022, , 71-83.		0
542	Effectiveness and safety of COVID-19 vaccines in patients with diabetes as a factor for vaccine hesitancy. World Journal of Diabetes, 2022, 13, 738-751.	1.3	8
544	In-silico investigation of systematic missense mutations of middle east respiratory coronavirus spike protein. Frontiers in Molecular Biosciences, 0, 9, .	1.6	2
545	Middle Eastern respiratory syndrome. , 2023, , 125-172.		0

#	ARTICLE	IF	CITATIONS
546	Divergent SARS-CoV-2 variant emerges in white-tailed deer with deer-to-human transmission. <i>Nature Microbiology</i> , 2022, 7, 2011-2024.	5.9	99
547	130th anniversary of virology. <i>Voprosy Virusologii</i> , 2022, 67, 357-384.	0.1	2
548	A framework for measuring timeliness in the outbreak response path: lessons learned from the Middle East respiratory syndrome (MERS) epidemic, September 2012 to January 2019. <i>Eurosurveillance</i> , 2022, 27, .	3.9	1
549	A new One Health Framework in Qatar for future emerging and re-emerging zoonotic diseases preparedness and response. <i>One Health</i> , 2023, 16, 100487.	1.5	8
550	Tissue distribution of angiotensin-converting enzyme 2 (ACE2) receptor in wild animals with a focus on artiodactyls, mustelids and phocids. <i>One Health</i> , 2023, 16, 100492.	1.5	3
551	Engineering potent live attenuated coronavirus vaccines by targeted inactivation of the immune evasive viral deubiquitinase. <i>Nature Communications</i> , 2023, 14, .	5.8	4
552	Multi-target approach against SARS-CoV-2 by stone apple molecules: A master key to drug design. <i>Phytotherapy Research</i> , 2024, 38, 7-10.	2.8	9
553	Burgeoning therapeutic strategies to curb the contemporary surging viral infections. <i>Microbial Pathogenesis</i> , 2023, 179, 106088.	1.3	0
554	Models and data analysis of the outbreak risk of COVID-19. <i>MOJ Applied Bionics and Biomechanics</i> , 2020, 4, 59-62.	0.2	0
555	Severe Acute Respiratory Syndrome Coronaviruses-2 (SARS-CoV-2). , 2023, , 1-15.		0
564	Severe Acute Respiratory Syndrome Coronaviruses-2 (SARS-CoV-2). , 2023, , 1529-1543.		0