Vincent J Munster

List of Publications by Citations

230 papers	29,816 citations	68 h-index	171 g-index
256 ext. papers	36,573 ext. citations	11.7 avg, IF	7.9 L-index

#	Paper	IF	Citations
230	Aerosol and Surface Stability of SARS-CoV-2 as Compared with SARS-CoV-1. *New England Journal of Medicine*, **2020**, 382, 1564-1567	59.2	5145
229	SARS and MERS: recent insights into emerging coronaviruses. *Nature Reviews Microbiology*, **2016**, 14, 523-34	22.2	2034
228	Functional assessment of cell entry and receptor usage for SARS-CoV-2 and other lineage B betacoronaviruses. *Nature Microbiology*, **2020**, 5, 562-569	26.6	1787
227	Global patterns of influenza a virus in wild birds. *Science*, **2006**, 312, 384-8	33.3	1340
226	Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. *Lancet, The*, **2020**, 396, 467-478	40	1274
225	Airborne transmission of influenza A/H5N1 virus between ferrets. *Science*, **2012**, 336, 1534-41	33.3	1162
224	Characterization of a novel influenza A virus hemagglutinin subtype (H16) obtained from black-headed gulls. *Journal of Virology*, **2005**, 79, 2814-22	6.6	1109
223	Avian influenza A virus (H7N7) associated with human conjunctivitis and a fatal case of acute respiratory distress syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1356-61	11.5	848
222	A Novel Coronavirus Emerging in China - Key Questions for Impact Assessment. *New England Journal of Medicine*, **2020**, 382, 692-694	59.2	798
221	ChAdOx1 nCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques. *Nature*, **2020**, 586, 578-582	50.4	605
220	Pathogenesis and transmission of swine-origin 2009 A(H1N1) influenza virus in ferrets. *Science*, **2009**, 325, 481-3	33.3	505
219	H5N1 Virus Attachment to Lower Respiratory Tract. *Science*, **2006**, 312, 399	33.3	503
218	Spatial, temporal, and species variation in prevalence of influenza A viruses in wild migratory birds. *PLoS Pathogens*, **2007**, 3, e61	7.6	495
217	Respiratory disease in rhesus macaques inoculated with SARS-CoV-2. *Nature*, **2020**, 585, 268-272	50.4	437
216	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2. *Nature*, **2020**, 585, 273-276	50.4	405
215	Human and avian influenza viruses target different cells in the lower respiratory tract of humans and other mammals. *American Journal of Pathology*, **2007**, 171, 1215-23	5.8	403
214	Animal models for COVID-19. *Nature*, **2020**, 586, 509-515	50.4	377

213	Treatment with interferon-2b and ribavirin improves outcome in MERS-CoV-infected rhesus macaques. *Nature Medicine*, **2013**, 19, 1313-7	50.5	357
212	Case Study: Prolonged Infectious SARS-CoV-2 Shedding from an Asymptomatic Immunocompromised Individual with Cancer. *Cell*, **2020**, 183, 1901-1912.e9	56.2	344
211	Molecular Evidence of Sexual Transmission of Ebola Virus. *New England Journal of Medicine*, **2015**, 373, 2448-54	59.2	302
210	Middle East respiratory syndrome coronavirus infection in dromedary camels in Saudi Arabia. *MBio*, **2014**, 5, e00884-14	7.8	296
209	Middle East respiratory syndrome coronavirus (MERS-CoV) causes transient lower respiratory tract infection in rhesus macaques. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 16598-603	11.5	232
208	Inhibition of novel coronavirus replication by a combination of interferon-2b and ribavirin. *Scientific Reports*, **2013**, 3, 1686	4.9	220
207	Aerosol and surface stability of HCoV-19 (SARS-CoV-2) compared to SARS-CoV-1 **2020**,		198
206	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. *MBio*, **2014**, 5,	7.8	192
205	Surveillance of influenza A virus in migratory waterfowl in northern Europe. *Emerging Infectious Diseases*, **2007**, 13, 404-11	10.2	190
204	Replication and shedding of MERS-CoV in upper respiratory tract of inoculated dromedary camels. *Emerging Infectious Diseases*, **2014**, 20, 1999-2005	10.2	189
203	Infection with MERS-CoV causes lethal pneumonia in the common marmoset. *PLoS Pathogens*, **2014** , 10, e1004250	7.6	170
202	Persistence of SARS-CoV-2 in Water and Wastewater. *Environmental Science and Technology Letters*, **2020**, 7, 937-942	11	169
201	Hampered foraging and migratory performance in swans infected with low-pathogenic avian influenza A virus. *PLoS ONE*, **2007**, 2, e184	3.7	168
200	Host species restriction of Middle East respiratory syndrome coronavirus through its receptor, dipeptidyl peptidase 4. *Journal of Virology*, **2014**, 88, 9220-32	6.6	167
199	Nosocomial Transmission of Emerging Viruses via Aerosol-Generating Medical Procedures. *Viruses*, **2019**, 11,	6.2	161
198	Mallards and highly pathogenic avian influenza ancestral viruses, northern Europe. *Emerging Infectious Diseases*, **2005**, 11, 1545-51	10.2	160
197	Effects of influenza A virus infection on migrating mallard ducks. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 1029-36	4.4	156
196	ChAdOx1 nCoV-19 vaccination prevents SARS-CoV-2 pneumonia in rhesus macaques **2020**,		137

195	Bat-borne virus diversity, spillover and emergence. *Nature Reviews Microbiology*, **2020**, 18, 461-471	22.2	133
194	Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. *Emerging Infectious Diseases*, **2016**, 22, 331-4	10.2	130
193	Seasonal and pandemic human influenza viruses attach better to human upper respiratory tract epithelium than avian influenza viruses. *American Journal of Pathology*, **2010**, 176, 1614-8	5.8	127
192	Molecular determinants of adaptation of highly pathogenic avian influenza H7N7 viruses to efficient replication in the human host. *Journal of Virology*, **2010**, 84, 1597-606	6.6	125
191	The molecular basis of the pathogenicity of the Dutch highly pathogenic human influenza A H7N7 viruses. *Journal of Infectious Diseases*, **2007**, 196, 258-65	7	125
190	Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. *Emerging Infectious Diseases*, **2020**, 26,	10.2	123
189	Pneumonia from human coronavirus in a macaque model. *New England Journal of Medicine*, **2013**, 368, 1560-2	59.2	121
188	Possible sexual transmission of Ebola virus - Liberia, 2015. *Morbidity and Mortality Weekly Report*, **2015**, 64, 479-81	31.7	121
187	In vitro assessment of attachment pattern and replication efficiency of H5N1 influenza A viruses with altered receptor specificity. *Journal of Virology*, **2010**, 84, 6825-33	6.6	120
186	Importance of Neutralizing Monoclonal Antibodies Targeting Multiple Antigenic Sites on the Middle East Respiratory Syndrome Coronavirus Spike Glycoprotein To Avoid Neutralization Escape. *Journal of Virology*, **2018**, 92,	6.6	119
185	Introduction of virulence markers in PB2 of pandemic swine-origin influenza virus does not result in enhanced virulence or transmission. *Journal of Virology*, **2010**, 84, 3752-8	6.6	118
184	Severity of pneumonia due to new H1N1 influenza virus in ferrets is intermediate between that due to seasonal H1N1 virus and highly pathogenic avian influenza H5N1 virus. *Journal of Infectious Diseases*, **2010**, 201, 993-9	7	111
183	Virology. Mutation rate and genotype variation of Ebola virus from Mali case sequences. *Science*, **2015**, 348, 117-9	33.3	106
182	The Middle East respiratory syndrome coronavirus (MERS-CoV) does not replicate in Syrian hamsters. *PLoS ONE*, **2013**, 8, e69127	3.7	105
181	Practical considerations for high-throughput influenza A virus surveillance studies of wild birds by use of molecular diagnostic tests. *Journal of Clinical Microbiology*, **2009**, 47, 666-73	9.7	102
180	Replication and shedding of MERS-CoV in Jamaican fruit bats (Artibeus jamaicensis). *Scientific Reports*, **2016**, 6, 21878	4.9	96
179	K18-hACE2 mice develop respiratory disease resembling severe COVID-19. *PLoS Pathogens*, **2021**, 17, e1009195	7.6	96
178	Surveillance of wild birds for avian influenza virus. *Emerging Infectious Diseases*, **2010**, 16, 1827-34	10.2	94

177	Defining the Syrian hamster as a highly susceptible preclinical model for SARS-CoV-2 infection. *Emerging Microbes and Infections*, **2020**, 9, 2673-2684	18.9	91
176	SARS-CoV-2 Variants of Interest and Concern naming scheme conducive for global discourse. *Nature Microbiology*, **2021**, 6, 821-823	26.6	91
175	Effect of Environmental Conditions on SARS-CoV-2 Stability in Human Nasal Mucus and Sputum. *Emerging Infectious Diseases*, **2020**, 26,	10.2	90
174	Dam- and OxyR-dependent phase variation of agn43: essential elements and evidence for a new role of DNA methylation. *Journal of Bacteriology*, **2002**, 184, 3338-47	3.5	85
173	Adaptive Evolution of MERS-CoV to Species Variation in DPP4. *Cell Reports*, **2018**, 24, 1730-1737	10.6	82
172	Stability of Middle East respiratory syndrome coronavirus in milk. *Emerging Infectious Diseases*, **2014**, 20, 1263-4	10.2	80
171	206. *Cytokine*, **2013**, 63, 291-292	4	78
170	Avian influenza virus: of virus and bird ecology. *Vaccine*, **2009**, 27, 6340-4	4.1	78
169	2311. Bacteremia Is Not Commonly Detected in Ebola Virus Disease. *Open Forum Infectious Diseases* , **2019**, 6, S792-S792	1	78
168	Epidemiology of low pathogenic avian influenza viruses in wild birds. *OIE Revue Scientifique Et Technique*, **2009**, 28, 49-58	2.5	75
167	Receptor-binding profiles of H7 subtype influenza viruses in different host species. *Journal of Virology*, **2012**, 86, 4370-9	6.6	74
166	The emergence of the Middle East respiratory syndrome coronavirus. *Pathogens and Disease*, **2014**, 71, 121-36	4.2	73
165	Protection of mice against lethal infection with highly pathogenic H7N7 influenza A virus by using a recombinant low-pathogenicity vaccine strain. *Journal of Virology*, **2005**, 79, 12401-7	6.6	73
164	Rapid Nipah virus entry into the central nervous system of hamsters via the olfactory route. *Scientific Reports*, **2012**, 2, 736	4.9	68
163	Single-cell RNA sequencing reveals SARS-CoV-2 infection dynamics in lungs of African green monkeys. *Science Translational Medicine*, **2021**, 13,	17.5	68
162	Immunological Control of Viral Infections in Bats and the Emergence of Viruses Highly Pathogenic to Humans. *Frontiers in Immunology*, **2017**, 8, 1098	8.4	67
161	A single dose of ChAdOx1 MERS provides protective immunity in rhesus macaques. *Science Advances*, **2020**, 6, eaba8399	14.3	66
160	Protective efficacy of a novel simian adenovirus vaccine against lethal MERS-CoV challenge in a transgenic human DPP4 mouse model. *Npj Vaccines*, **2017**, 2, 28	9.5	66

159	Ebola Virus Stability on Surfaces and in Fluids in Simulated Outbreak Environments. *Emerging Infectious Diseases*, **2015**, 21, 1243-6	10.2	66
158	Functional assessment of cell entry and receptor usage for lineage B β-coronaviruses, including 2019-nCoV **2020**,		65
157	Reconstructing an annual cycle of interaction: natural infection and antibody dynamics to avian influenza along a migratory flyway. *Oikos*, **2011**, 120, 748-755	4	64
156	Insertion of a multibasic cleavage motif into the hemagglutinin of a low-pathogenic avian influenza H6N1 virus induces a highly pathogenic phenotype. *Journal of Virology*, **2010**, 84, 7953-60	6.6	64
155	Middle East respiratory syndrome coronavirus shows poor replication but significant induction of antiviral responses in human monocyte-derived macrophages and dendritic cells. *Journal of General Virology*, **2016**, 97, 344-355	4.9	63
154	Heterosubtypic immunity to influenza A virus infections in mallards may explain existence of multiple virus subtypes. *PLoS Pathogens*, **2013**, 9, e1003443	7.6	62
153	Postmortem stability of Ebola virus. *Emerging Infectious Diseases*, **2015**, 21, 856-9	10.2	60
152	Respiratory disease and virus shedding in rhesus macaques inoculated with SARS-CoV-2 **2020**,		60
151	Animal models of Middle East respiratory syndrome coronavirus infection. *Antiviral Research*, **2015**, 122, 28-38	10.8	57
150	Towards improved influenza A virus surveillance in migrating birds. *Vaccine*, **2006**, 24, 6729-33	4.1	57
149	Multiple gene segment reassortment between Eurasian and American lineages of influenza A virus (H6N2) in Guillemot (Uria aalge). *Archives of Virology*, **2005**, 150, 1685-92	2.6	57
148	Intranasal ChAdOx1 nCoV-19/AZD1222 vaccination reduces viral shedding after SARS-CoV-2 D614G challenge in preclinical models. *Science Translational Medicine*, **2021**, 13,	17.5	56
147	Persistence of Ebola Virus in Sterilized Wastewater. *Environmental Science and Technology Letters*, **2015**, 2, 245-249	11	55
146	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses. *ELife*, **2021**, 10,	8.9	55
145	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. *Viruses*, **2019**, 11,	6.2	54
144	Comparative analysis of Ebola virus glycoprotein interactions with human and bat cells. *Journal of Infectious Diseases*, **2011**, 204 Suppl 3, S840-9	7	54
143	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2 **2020**,		54
142	Assessment of N95 respirator decontamination and re-use for SARS-CoV-2 **2020**,		52

141	Dynamics and ecological consequences of avian influenza virus infection in greater white-fronted geese in their winter staging areas. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 2041-8	4.4	51
140	Efficacy of antibody-based therapies against Middle East respiratory syndrome coronavirus (MERS-CoV) in common marmosets. *Antiviral Research*, **2017**, 143, 30-37	10.8	50
139	Understanding ebola virus transmission. *Viruses*, **2015**, 7, 511-21	6.2	49
138	Nanobodies from camelid mice and llamas neutralize SARS-CoV-2 variants. *Nature*, **2021**, 595, 278-282	50.4	49
137	Comparison of the pathogenicity of Nipah virus isolates from Bangladesh and Malaysia in the Syrian hamster. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2024	4.8	46
136	Phase variation of Ag43 is independent of the oxidation state of OxyR. *Journal of Bacteriology*, **2003**, 185, 2203-9	3.5	44
135	SARS-CoV-2 disease severity and transmission efficiency is increased for airborne compared to fomite exposure in Syrian hamsters. *Nature Communications*, **2021**, 12, 4985	17.4	44
134	Nipah virus transmission in a hamster model. *PLoS Neglected Tropical Diseases*, **2011**, 5, e1432	4.8	43
133	Outbreaks in a Rapidly Changing Central Africa - Lessons from Ebola. *New England Journal of Medicine*, **2018**, 379, 1198-1201	59.2	42
132	Foodborne transmission of nipah virus in Syrian hamsters. *PLoS Pathogens*, **2014**, 10, e1004001	7.6	40
131	Dam-dependent phase variation of Ag43 in Escherichia coli is altered in a seqA mutant. *Molecular Microbiology*, **2002**, 44, 521-32	4.1	39
130	Outbreaks of highly pathogenic avian influenza in Europe: the risks associated with wild birds. *OIE Revue Scientifique Et Technique*, **2009**, 28, 69-92	2.5	39
129	Geographic distribution and genetic characterization of Lassa virus in sub-Saharan Mali. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2582	4.8	38
128	Plasmodium Parasitemia Associated With Increased Survival in Ebola Virus-Infected Patients. *Clinical Infectious Diseases*, **2016**, 63, 1026-33	11.6	37
127	Animal models of disease shed light on Nipah virus pathogenesis and transmission. *Journal of Pathology*, **2015**, 235, 196-205	9.4	36
126	1918 H1N1 Influenza Virus Replicates and Induces Proinflammatory Cytokine Responses in Extrarespiratory Tissues of Ferrets. *Journal of Infectious Diseases*, **2018**, 217, 1237-1246	7	36
125	Ecological Contexts of Index Cases and Spillover Events of Different Ebolaviruses. *PLoS Pathogens*, **2016**, 12, e1005780	7.6	36
124	Sampling strategies and biodiversity of influenza A subtypes in wild birds. *PLoS ONE*, **2014**, 9, e90826	3.7	35

123	Pathogenicity and Viral Shedding of MERS-CoV in Immunocompromised Rhesus Macaques. *Frontiers in Immunology*, **2018**, 9, 205	8.4	34
122	High Prevalence of Middle East Respiratory Coronavirus in Young Dromedary Camels in Jordan. *Vector-Borne and Zoonotic Diseases*, **2017**, 17, 155-159	2.4	32
121	An Acute Immune Response to Middle East Respiratory Syndrome Coronavirus Replication Contributes to Viral Pathogenicity. *American Journal of Pathology*, **2016**, 186, 630-8	5.8	32
120	Highly pathogenic avian influenza (H7N7): vaccination of zoo birds and transmission to non-poultry species. *Vaccine*, **2005**, 23, 5743-50	4.1	32
119	Dromedary camels in northern Mali have high seropositivity to MERS-CoV. *One Health*, **2017**, 3, 41-43	7.6	31
118	Pandemic 2009 H1N1 influenza virus causes diffuse alveolar damage in cynomolgus macaques. *Veterinary Pathology*, **2010**, 47, 1040-7	2.8	31
117	Mounting evidence for the presence of influenza A virus in the avifauna of the Antarctic region. *Antarctic Science*, **2006**, 18, 353-356	1.7	31
116	Chikungunya virus infection, Brazzaville, Republic of Congo, 2011. *Emerging Infectious Diseases*, **2013**, 19, 1542-3	10.2	29
115	Intranasal ChAdOx1 nCoV-19/AZD1222 vaccination reduces shedding of SARS-CoV-2 D614G in rhesus macaques **2021**,		27
114	Bactrian camels shed large quantities of Middle East respiratory syndrome coronavirus (MERS-CoV) after experimental infection. *Emerging Microbes and Infections*, **2019**, 8, 717-723	18.9	25
113	Syrian hamsters (Mesocricetus auratus) oronasally inoculated with a Nipah virus isolate from Bangladesh or Malaysia develop similar respiratory tract lesions. *Veterinary Pathology*, **2015**, 52, 38-45	2.8	25
112	Insertion of a multibasic cleavage site in the haemagglutinin of human influenza H3N2 virus does not increase pathogenicity in ferrets. *Journal of General Virology*, **2011**, 92, 1410-1415	4.9	25
111	The pattern of influenza virus attachment varies among wild bird species. *PLoS ONE*, **2011**, 6, e24155	3.7	25
110	A structural basis for antibody-mediated neutralization of Nipah virus reveals a site of vulnerability at the fusion glycoprotein apex. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25057-25067	11.5	25
109	A single-dose ChAdOx1-vectored vaccine provides complete protection against Nipah Bangladesh and Malaysia in Syrian golden hamsters. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007462	4.8	24
108	Loss in lung volume and changes in the immune response demonstrate disease progression in African green monkeys infected by small-particle aerosol and intratracheal exposure to Nipah virus. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005532	4.8	24
107	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses **2020**,		24
106	Assessment of rodents as animal models for Reston ebolavirus. *Journal of Infectious Diseases*, **2011**, 204 Suppl 3, S968-72	7	21

105	The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. *Emerging Infectious Diseases*, **2016**, 22, 323-6	10.2	21
104	Diverse RNA viruses of arthropod origin in the blood of fruit bats suggest a link between bat and arthropod viromes. *Virology*, **2019**, 528, 64-72	3.6	21
103	Onward transmission of viruses: how do viruses emerge to cause epidemics after spillover?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20190017	5.8	20
102	Taxonomic patterns in the zoonotic potential of mammalian viruses. *PeerJ*, **2018**, 6, e5979	3.1	20
101	Pathology and virus distribution in chickens naturally infected with highly pathogenic avian influenza A virus (H7N7) During the 2003 outbreak in The Netherlands. *Veterinary Pathology*, **2009**, 46, 971-6	2.8	19
100	High prevalence of influenza A virus in ducks caught during spring migration through Sweden. *Vaccine*, **2006**, 24, 6734-5	4.1	19
99	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7. *Nature Communications*, **2021**, 12, 5868	17.4	19
98	Generation and Characterization of Eptesicus fuscus (Big brown bat) kidney cell lines immortalized using the Myotis polyomavirus large T-antigen. *Journal of Virological Methods*, **2016**, 237, 166-173	2.6	18
97	Broad and Temperature Independent Replication Potential of Filoviruses on Cells Derived From Old and New World Bat Species. *Journal of Infectious Diseases*, **2016**, 214, S297-S302	7	18
96	Does influenza A affect body condition of wild mallard ducks, or vice versa ? A reply to Flint and Franson. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 2347-2349	4.4	18
95	K18-hACE2 mice develop respiratory disease resembling severe COVID-19 **2020**,		18
94	Ebola Virus Persistence in Semen Ex Vivo. *Emerging Infectious Diseases*, **2016**, 22, 289-91	10.2	18
93	Dose-response and transmission: the nexus between reservoir hosts, environment and recipient hosts. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20190016	5.8	17
92	Tackling Ebola: new insights into prophylactic and therapeutic intervention strategies. *Genome Medicine*, **2011**, 3, 5	14.4	17
91	Assessment of N95 respirator decontamination and re-use for SARS-CoV-2		17
90	Aerosol exposure to intermediate size Nipah virus particles induces neurological disease in African green monkeys. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006978	4.8	17
89	Avian influenza a virus in wild birds in highly urbanized areas. *PLoS ONE*, **2012**, 7, e38256	3.7	16
88	Hampered performance of migratory swans: intra- and inter-seasonal effects of avian influenza virus. *Integrative and Comparative Biology*, **2016**, 56, 317-29	2.8	15

87	MERS-CoV: the intermediate host identified?. *Lancet Infectious Diseases, The*, **2013**, 13, 827-8	25.5	15
86	Influenza virus A/Anhui/1/2013 (H7N9) replicates efficiently in the upper and lower respiratory tracts of cynomolgus macaques. *MBio*, **2014**, 5,	7.8	15
85	Comparison of the Aerosol Stability of 2 Strains of Zaire ebolavirus From the 1976 and 2013 Outbreaks. *Journal of Infectious Diseases*, **2016**, 214, S290-S293	7	15
84	SARS-Like Coronavirus WIV1-CoV Does Not Replicate in Egyptian Fruit Bats (). *Viruses*, **2018**, 10,	6.2	15
83	Disinfection of Ebola Virus in Sterilized Municipal Wastewater. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005299	4.8	14
82	Ebola Virus Inactivation by Detergents Is Annulled in Serum. *Journal of Infectious Diseases*, **2017**, 216, 859-866	7	14
81	Disease reservoirs: from conceptual frameworks to applicable criteria. *Emerging Microbes and Infections*, **2017**, 6, e79	18.9	14
80	SARS-CoV-2 infection and persistence throughout the human body and brain		14
79	Ecology, evolution and spillover of coronaviruses from bats. *Nature Reviews Microbiology*, **2021**,	22.2	14
78	SARS-CoV-2 disease severity and transmission efficiency is increased for airborne but not fomite exposure in Syrian hamsters **2020**,		14
77	The immune response to Nipah virus infection. *Archives of Virology*, **2012**, 157, 1635-41	2.6	13
76	Repository of Eurasian influenza A virus hemagglutinin and neuraminidase reverse genetics vectors and recombinant viruses. *Vaccine*, **2010**, 28, 5803-9	4.1	13
75	Advances and gaps in SARS-CoV-2 infection models.. *PLoS Pathogens*, **2022**, 18, e1010161	7.6	13
74	Defining the Syrian hamster as a highly susceptible preclinical model for SARS-CoV-2 infection **2020** ,		13
73	Rousettus aegyptiacus Bats Do Not Support Productive Nipah Virus Replication. *Journal of Infectious Diseases*, **2020**, 221, S407-S413	7	13
72	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7 **2021**,		13
71	Prior aerosol infection with lineage A SARS-CoV-2 variant protects hamsters from disease, but not reinfection with B.1.351 SARS-CoV-2 variant. *Emerging Microbes and Infections*, **2021**, 10, 1284-1292	18.9	13
70	Single-Nucleotide Polymorphisms in Human NPC1 Influence Filovirus Entry Into Cells. *Journal of Infectious Diseases*, **2018**, 218, S397-S402	7	12

69	Middle East Respiratory Syndrome Coronavirus Antibodies in Dromedary Camels, Bangladesh, 2015. *Emerging Infectious Diseases*, **2018**, 24, 926-928	10.2	12
68	European H16N3 gull influenza virus attaches to the human respiratory tract and eye. *PLoS ONE*, **2013**, 8, e60757	3.7	12
67	Middle East Respiratory Syndrome Coronavirus Intra-Host Populations Are Characterized by Numerous High Frequency Variants. *PLoS ONE*, **2016**, 11, e0146251	3.7	12
66	Characterization of avian influenza virus attachment patterns to human and pig tissues. *Scientific Reports*, **2018**, 8, 12215	4.9	11
65	Authentication of the R06E fruit bat cell line. *Viruses*, **2012**, 4, 889-900	6.2	11
64	A single intranasal dose of a live-attenuated parainfluenza virus-vectored SARS-CoV-2 vaccine is protective in hamsters. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	11
63	Factors determining human-to-human transmissibility of zoonotic pathogens via contact. *Current Opinion in Virology*, **2017**, 22, 7-12	7.5	10
62	Interpretation of Negative Molecular Test Results in Patients With Suspected or Confirmed Ebola Virus Disease: Report of Two Cases. *Open Forum Infectious Diseases*, **2015**, 2, ofv137	1	10
61	Delayed recognition of Ebola virus disease is associated with longer and larger outbreaks. *Emerging Microbes and Infections*, **2020**, 9, 291-301	18.9	9
60	Serological evidence of arenavirus circulation among fruit bats in Trinidad. *PLoS ONE*, **2017**, 12, e0185308	3.7	9
59	Subtle differences in the pathogenicity of SARS-CoV-2 variants of concern B.1.1.7 and B.1.351 in rhesus macaques. *Science Advances*, **2021**, 7, eabj3627	14.3	9
58	Mapping the Specific Amino Acid Residues That Make Hamster DPP4 Functional as a Receptor for Middle East Respiratory Syndrome Coronavirus. *Journal of Virology*, **2016**, 90, 5499-5502	6.6	9
57	Antigen-based multiplex strategies to discriminate SARS-CoV-2 natural and vaccine induced immunity from seasonal human coronavirus humoral responses **2021**,		9
56	SARS-CoV-2 infection dynamics in lungs of African green monkeys **2020**,		8
55	Role of Wildlife in Emergence of Ebola Virus in Kaigbono (Likati), Democratic Republic of the Congo, 2017. *Emerging Infectious Diseases*, **2020**, 26, 2205-2209	10.2	8
54	Peripheral immune response in the African green monkey model following Nipah-Malaysia virus exposure by intermediate-size particle aerosol. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007454	4.8	7
53	Epidemiology of Avian Influenza. *Monographs in Virology*, **2008**, 1-10		7
52	Increased small particle aerosol transmission of B.1.1.7 compared with SARS-CoV-2 lineage A in vivo.. *Nature Microbiology*, **2022**,	26.6	7

51	Effect of Environmental Conditions on SARS-CoV-2 Stability in Human Nasal Mucus and Sputum. *Emerging Infectious Diseases*, **2020**, 26,	10.2	7
50	A single dose of ChAdOx1 MERS provides broad protective immunity against a variety of MERS-CoV strains		7
49	A betacoronavirus multiplex microsphere immunoassay detects early SARS-CoV-2 seroconversion and controls for pre-existing seasonal human coronavirus antibody cross-reactivity **2020**,		7
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