Vincent J Munster

List of Publications by Year in Descending Order

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	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
229	Advances and gaps in SARS-CoV-2 infection models.. *PLoS Pathogens*, **2022**, 18, e1010161	7.6	13
228	The B.1.427/1.429 (epsilon) SARS-CoV-2 variants are more virulent than ancestral B.1 (614G) in Syrian hamsters.. *PLoS Pathogens*, **2022**, 18, e1009914	7.6	3
227	Efficacy of ChAdOx1 vaccines against SARS-CoV-2 Variants of Concern Beta, Delta and Omicron in the Syrian hamster model. **2022**,		1
226	Defining the risk of SARS-CoV-2 variants on immune protection.. *Nature*, **2022**,	50.4	7
225	OraSure InteliSwab Rapid Antigen Test Performance with the SARS-CoV-2 Variants of Concern-Alpha, Beta, Gamma, Delta, and Omicron.. *Viruses*, **2022**, 14,	6.2	1
224	Novel Hendra Virus Variant Circulating in Black Flying Foxes and Grey-Headed Flying Foxes, Australia.. *Emerging Infectious Diseases*, **2022**, 28, 1043-1047	10.2	0
223	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
222	High-Fat High-Sugar Diet-Induced Changes in the Lipid Metabolism Are Associated with Mildly Increased COVID-19 Severity and Delayed Recovery in the Syrian Hamster.. *Viruses*, **2021**, 13,	6.2	3
221	Ecology, evolution and spillover of coronaviruses from bats. *Nature Reviews Microbiology*, **2021**,	22.2	14
220	Surface-Aerosol Stability and Pathogenicity of Diverse Middle East Respiratory Syndrome Coronavirus Strains, 2012-2018. *Emerging Infectious Diseases*, **2021**, 27, 3052-3062	10.2	0
219	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
218	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
217	Sodium hypochlorite disinfection of SARS-CoV-2 spiked in water and municipal wastewater. *Science of the Total Environment*, **2021**, 150766	10.2	1
216	Heat-treated virus inactivation rate depends strongly on treatment procedure: illustration with SARS-CoV-2 **2021**,		6
215	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7 **2021**,		13
214	Limited Genetic Diversity Detected in Middle East Respiratory Syndrome-Related Coronavirus Variants Circulating in Dromedary Camels in Jordan. *Viruses*, **2021**, 13,	6.2	2

213	ChAdOx1-vectored Lassa fever vaccine elicits a robust cellular and humoral immune response and protects guinea pigs against lethal Lassa virus challenge. *Npj Vaccines*, **2021**, 6, 32	9.5	7
212	Updated and Validated Pan-Coronavirus PCR Assay to Detect All Coronavirus Genera. *Viruses*, **2021**, 13,	6.2	3
211	SARS-CoV-2 vaccines: anamnestic response in previously infected recipients. *Cell Research*, **2021**, 31, 827-828	24.7	2
210	Development and validation of portable, field-deployable Ebola virus point-of-encounter diagnostic assay for wildlife surveillance. *One Health Outlook*, **2021**, 3, 9	5	1
209	Subtle differences in the pathogenicity of SARS-CoV-2 variants of concern B.1.1.7 and B.1.351 in rhesus macaques **2021**,		6
208	SARS-CoV-2 Variants of Interest and Concern naming scheme conducive for global discourse. *Nature Microbiology*, **2021**, 6, 821-823	26.6	91
207	Western diet increases COVID-19 disease severity in the Syrian hamster **2021**,		6
206	Nanobodies from camelid mice and llamas neutralize SARS-CoV-2 variants. *Nature*, **2021**, 595, 278-282	50.4	49
205	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
204	A framework for nosocomial transmission of emerging coronaviruses. *Infection Control and Hospital Epidemiology*, **2021**, 42, 639-641	2	4
203	Middle East Respiratory Syndrome-Coronavirus Seropositive Bactrian Camels, Mongolia. *Vector-Borne and Zoonotic Diseases*, **2021**, 21, 128-131	2.4	3
202	Intranasal ChAdOx1 nCoV-19/AZD1222 vaccination reduces shedding of SARS-CoV-2 D614G in rhesus macaques **2021**,		27
201	K18-hACE2 mice develop respiratory disease resembling severe COVID-19. *PLoS Pathogens*, **2021**, 17, e1009195	7.6	96
200	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
199	Surface-aerosol stability and pathogenicity of diverse MERS-CoV strains from 2012 - 2018 **2021**,		2
198	Antigen-based multiplex strategies to discriminate SARS-CoV-2 natural and vaccine induced immunity from seasonal human coronavirus humoral responses **2021**,		9
197	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
196	Increased aerosol transmission for B.1.1.7 (alpha variant) over lineage A variant of SARS-CoV-2 **2021**,		3

195	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
194	Immunogenicity of Low-Dose Prime-Boost Vaccination of mRNA Vaccine CV07050101 in Non-Human Primates. *Viruses*, **2021**, 13,	6.2	2
193	The B.1.427/1.429 (epsilon) SARS-CoV-2 variants are more virulent than ancestral B.1 (614G) in Syrian hamsters **2021**,		5
192	Increased aerosol transmission for B.1.1.7 (alpha variant) over lineage A variant of SARS-CoV-2 **2021**,		4
191	Risk Factors for Middle East Respiratory Syndrome Coronavirus Infection among Camel Populations, Southern Jordan, 2014-2018. *Emerging Infectious Diseases*, **2021**, 27, 2301-2311	10.2	1
190	Heat-Treated Virus Inactivation Rate Depends Strongly on Treatment Procedure: Illustration with SARS-CoV-2. *Applied and Environmental Microbiology*, **2021**, 87, e0031421	4.8	7
189	Single-cell RNA sequencing reveals SARS-CoV-2 infection dynamics in lungs of African green monkeys. *Science Translational Medicine*, **2021**, 13,	17.5	68
188	Histologic pulmonary lesions of SARS-CoV-2 in 4 nonhuman primate species: An institutional comparative review.. *Veterinary Pathology*, **2021**, 3009858211067468	2.8	2
187	Camelid Inoculation With Middle East Respiratory Syndrome Coronavirus: Experimental Models of Reservoir Host Infection. *Viruses*, **2020**, 12,	6.2	4
186	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
185	Case Study: Prolonged Infectious SARS-CoV-2 Shedding from an Asymptomatic Immunocompromised Individual with Cancer. *Cell*, **2020**, 183, 1901-1912.e9	56.2	344
184	A single dose of ChAdOx1 MERS provides protective immunity in rhesus macaques. *Science Advances*, **2020**, 6, eaba8399	14.3	66
183	Bat-borne virus diversity, spillover and emergence. *Nature Reviews Microbiology*, **2020**, 18, 461-471	22.2	133
182	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
181	Isolate from Blood of Fatal Ebola Virus Disease Case. *Pathogens*, **2020**, 9,	4.5	1
180	Delayed recognition of Ebola virus disease is associated with longer and larger outbreaks. *Emerging Microbes and Infections*, **2020**, 9, 291-301	18.9	9
179	The Serological Prevalence of Rabies Virus-Neutralizing Antibodies in the Bat Population on the Caribbean Island of Trinidad. *Viruses*, **2020**, 12,	6.2	5
178	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

177	A Novel Coronavirus Emerging in China - Key Questions for Impact Assessment. *New England Journal of Medicine*, **2020**, 382, 692-694	59.2	798
176	A betacoronavirus multiplex microsphere immunoassay detects early SARS-CoV-2 seroconversion and antibody cross reactions **2020**,		3
175	Effect of Environmental Conditions on SARS-CoV-2 Stability in Human Nasal Mucus and Sputum. *Emerging Infectious Diseases*, **2020**, 26,	10.2	7
174	Studying Evolutionary Adaptation of MERS-CoV. *Methods in Molecular Biology*, **2020**, 2099, 3-8	1.4	
173	Serological Evidence for Henipa-like and Filo-like Viruses in Trinidad Bats. *Journal of Infectious Diseases*, **2020**, 221, S375-S382	7	5
172	Functional assessment of cell entry and receptor usage for lineage B β-coronaviruses, including 2019-nCoV **2020**,		65
171	Aerosol and surface stability of HCoV-19 (SARS-CoV-2) compared to SARS-CoV-1 **2020**,		198
170	Respiratory disease and virus shedding in rhesus macaques inoculated with SARS-CoV-2 **2020**,		60
169	Assessment of N95 respirator decontamination and re-use for SARS-CoV-2 **2020**,		52
168	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2 **2020**,		54
167	ChAdOx1 nCoV-19 vaccination prevents SARS-CoV-2 pneumonia in rhesus macaques **2020**,		137
166	K18-hACE2 mice develop respiratory disease resembling severe COVID-19 **2020**,		18
165	SARS-CoV-2 infection dynamics in lungs of African green monkeys **2020**,		8
164	Defining the Syrian hamster as a highly susceptible preclinical model for SARS-CoV-2 infection **2020** ,		13
163	A betacoronavirus multiplex microsphere immunoassay detects early SARS-CoV-2 seroconversion and controls for pre-existing seasonal human coronavirus antibody cross-reactivity **2020**,		7
162	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses **2020**,		24
161	SARS-CoV-2 disease severity and transmission efficiency is increased for airborne but not fomite exposure in Syrian hamsters **2020**,		14
160	The Use of Large-Particle Aerosol Exposure to Nipah Virus to Mimic Human Neurological Disease Manifestations in the African Green Monkey. *Journal of Infectious Diseases*, **2020**, 221, S419-S430	7	6

159	Rousettus aegyptiacus Bats Do Not Support Productive Nipah Virus Replication. *Journal of Infectious Diseases*, **2020**, 221, S407-S413	7	13
158	A Novel Field-Deployable Method for Sequencing and Analyses of Henipavirus Genomes From Complex Samples on the MinION Platform. *Journal of Infectious Diseases*, **2020**, 221, S383-S388	7	2
157	ChAdOx1 nCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques. *Nature*, **2020**, 586, 578-582	50.4	605
156	Persistence of SARS-CoV-2 in Water and Wastewater. *Environmental Science and Technology Letters*, **2020**, 7, 937-942	11	169
155	Animal models for COVID-19. *Nature*, **2020**, 586, 509-515	50.4	377
154	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
153	Respiratory disease in rhesus macaques inoculated with SARS-CoV-2. *Nature*, **2020**, 585, 268-272	50.4	437
152	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2. *Nature*, **2020**, 585, 273-276	50.4	405
151	Chikungunya Outbreak in the Republic of the Congo, 2019-Epidemiological, Virological and Entomological Findings of a South-North Multidisciplinary Taskforce Investigation. *Viruses*, **2020**, 12,	6.2	6
150	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
149	Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. *Emerging Infectious Diseases*, **2020**, 26,	10.2	123
148	Effect of Environmental Conditions on SARS-CoV-2 Stability in Human Nasal Mucus and Sputum. *Emerging Infectious Diseases*, **2020**, 26,	10.2	90
147	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
146	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
145	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
144	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. *Viruses*, **2019**, 11,	6.2	54
143	Long-term wildlife mortality surveillance in northern Congo: a model for the detection of Ebola virus disease epizootics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180339	5.8	5
142	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

141	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
140	Nosocomial Transmission of Emerging Viruses via Aerosol-Generating Medical Procedures. *Viruses*, **2019**, 11,	6.2	161
139	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
138	2311. Bacteremia Is Not Commonly Detected in Ebola Virus Disease. *Open Forum Infectious Diseases* , **2019**, 6, S792-S792	1	78
137	Lek-associated movement of a putative Ebolavirus reservoir, the hammer-headed fruit bat (Hypsignathus monstrosus), in northern Republic of Congo. *PLoS ONE*, **2019**, 14, e0223139	3.7	3
136	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
135	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
134	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
133	Pathogenicity and Viral Shedding of MERS-CoV in Immunocompromised Rhesus Macaques. *Frontiers in Immunology*, **2018**, 9, 205	8.4	34
132	Single-Nucleotide Polymorphisms in Human NPC1 Influence Filovirus Entry Into Cells. *Journal of Infectious Diseases*, **2018**, 218, S397-S402	7	12
131	Characterization of avian influenza virus attachment patterns to human and pig tissues. *Scientific Reports*, **2018**, 8, 12215	4.9	11
130	Adaptive Evolution of MERS-CoV to Species Variation in DPP4. *Cell Reports*, **2018**, 24, 1730-1737	10.6	82
129	Long-Range Polymerase Chain Reaction Method for Sequencing the Ebola Virus Genome From Ecological and Clinical Samples. *Journal of Infectious Diseases*, **2018**, 218, S301-S304	7	4
128	Middle East Respiratory Syndrome Coronavirus Antibodies in Dromedary Camels, Bangladesh, 2015. *Emerging Infectious Diseases*, **2018**, 24, 926-928	10.2	12
127	Outbreaks in a Rapidly Changing Central Africa - Lessons from Ebola. *New England Journal of Medicine*, **2018**, 379, 1198-1201	59.2	42
126	Taxonomic patterns in the zoonotic potential of mammalian viruses. *PeerJ*, **2018**, 6, e5979	3.1	20
125	SARS-Like Coronavirus WIV1-CoV Does Not Replicate in Egyptian Fruit Bats (). *Viruses*, **2018**, 10,	6.2	15
124	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

123	Compatibility of Maximum-Containment Virus-Inactivation Protocols With Identification of Bacterial Coinfections by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. *Journal of Infectious Diseases*, **2018**, 218, S297-S300	7	1
122	Factors determining human-to-human transmissibility of zoonotic pathogens via contact. *Current Opinion in Virology*, **2017**, 22, 7-12	7.5	10
121	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
120	Dromedary camels in northern Mali have high seropositivity to MERS-CoV. *One Health*, **2017**, 3, 41-43	7.6	31
119	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
118	Reply to Colebunders. *Clinical Infectious Diseases*, **2017**, 64, 232	11.6	
117	Serological evidence of arenavirus circulation among fruit bats in Trinidad. *PLoS ONE*, **2017**, 12, e0185308	3.7	9
116	Disinfection of Ebola Virus in Sterilized Municipal Wastewater. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005299	4.8	14
115	Ebola Virus Inactivation by Detergents Is Annulled in Serum. *Journal of Infectious Diseases*, **2017**, 216, 859-866	7	14
114	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
113	Disease reservoirs: from conceptual frameworks to applicable criteria. *Emerging Microbes and Infections*, **2017**, 6, e79	18.9	14
112	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
111	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
110	Plasmodium Parasitemia Associated With Increased Survival in Ebola Virus-Infected Patients. *Clinical Infectious Diseases*, **2016**, 63, 1026-33	11.6	37
109	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
108	Replication and shedding of MERS-CoV in Jamaican fruit bats (Artibeus jamaicensis). *Scientific Reports*, **2016**, 6, 21878	4.9	96
107	SARS and MERS: recent insights into emerging coronaviruses. *Nature Reviews Microbiology*, **2016**, 14, 523-34	22.2	2034
106	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

105	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
104	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
103	Ecological Contexts of Index Cases and Spillover Events of Different Ebolaviruses. *PLoS Pathogens*, **2016**, 12, e1005780	7.6	36
102	The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. *Emerging Infectious Diseases*, **2016**, 22, 323-6	10.2	21
101	Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. *Emerging Infectious Diseases*, **2016**, 22, 331-4	10.2	130
100	Ebola Virus Persistence in Semen Ex Vivo. *Emerging Infectious Diseases*, **2016**, 22, 289-91	10.2	18
99	Middle East Respiratory Syndrome Coronavirus Intra-Host Populations Are Characterized by Numerous High Frequency Variants. *PLoS ONE*, **2016**, 11, e0146251	3.7	12
98	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
97	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
96	Clinical Chemistry of Patients With Ebola in Monrovia, Liberia. *Journal of Infectious Diseases*, **2016**, 214, S303-S307	7	7
95	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
94	Animal models of Middle East respiratory syndrome coronavirus infection. *Antiviral Research*, **2015**, 122, 28-38	10.8	57
93	Understanding ebola virus transmission. *Viruses*, **2015**, 7, 511-21	6.2	49
92	Animal models of disease shed light on Nipah virus pathogenesis and transmission. *Journal of Pathology*, **2015**, 235, 196-205	9.4	36
91	Virology. Mutation rate and genotype variation of Ebola virus from Mali case sequences. *Science*, **2015**, 348, 117-9	33.3	106
90	Molecular Evidence of Sexual Transmission of Ebola Virus. *New England Journal of Medicine*, **2015**, 373, 2448-54	59.2	302
89	Persistence of Ebola Virus in Sterilized Wastewater. *Environmental Science and Technology Letters*, **2015**, 2, 245-249	11	55
88	Postmortem stability of Ebola virus. *Emerging Infectious Diseases*, **2015**, 21, 856-9	10.2	60

87	Ebola Virus Stability on Surfaces and in Fluids in Simulated Outbreak Environments. *Emerging Infectious Diseases*, **2015**, 21, 1243-6	10.2	66
86	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
85	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
84	Possible sexual transmission of Ebola virus - Liberia, 2015. *Morbidity and Mortality Weekly Report*, **2015**, 64, 479-81	31.7	121
83	The emergence of the Middle East respiratory syndrome coronavirus. *Pathogens and Disease*, **2014**, 71, 121-36	4.2	73
82	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
81	Replication and shedding of MERS-CoV in upper respiratory tract of inoculated dromedary camels. *Emerging Infectious Diseases*, **2014**, 20, 1999-2005	10.2	189
80	Stability of Middle East respiratory syndrome coronavirus in milk. *Emerging Infectious Diseases*, **2014**, 20, 1263-4	10.2	80
79	Middle East respiratory syndrome coronavirus infection in dromedary camels in Saudi Arabia. *MBio*, **2014**, 5, e00884-14	7.8	296
78	Infection with MERS-CoV causes lethal pneumonia in the common marmoset. *PLoS Pathogens*, **2014**, 10, e1004250	7.6	170
77	Foodborne transmission of nipah virus in Syrian hamsters. *PLoS Pathogens*, **2014**, 10, e1004001	7.6	40
76	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. *MBio*, **2014**, 5,	7.8	192
75	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
74	Sampling strategies and biodiversity of influenza A subtypes in wild birds. *PLoS ONE*, **2014**, 9, e90826	3.7	35
73	MERS-CoV: the intermediate host identified?. *Lancet Infectious Diseases, The*, **2013**, 13, 827-8	25.5	15
72	Treatment with interferon-2b and ribavirin improves outcome in MERS-CoV-infected rhesus macaques. *Nature Medicine*, **2013**, 19, 1313-7	50.5	357
71	206. *Cytokine*, **2013**, 63, 291-292	4	78
70	Inhibition of novel coronavirus replication by a combination of interferon-2b and ribavirin. *Scientific Reports*, **2013**, 3, 1686	4.9	220

69	Geographic distribution and genetic characterization of Lassa virus in sub-Saharan Mali. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2582	4.8	38
68	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
67	Heterosubtypic immunity to influenza A virus infections in mallards may explain existence of multiple virus subtypes. *PLoS Pathogens*, **2013**, 9, e1003443	7.6	62
66	Pneumonia from human coronavirus in a macaque model. *New England Journal of Medicine*, **2013**, 368, 1560-2	59.2	121
65	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
64	Chikungunya virus infection, Brazzaville, Republic of Congo, 2011. *Emerging Infectious Diseases*, **2013**, 19, 1542-3	10.2	29
63	European H16N3 gull influenza virus attaches to the human respiratory tract and eye. *PLoS ONE*, **2013**, 8, e60757	3.7	12
62	The Middle East respiratory syndrome coronavirus (MERS-CoV) does not replicate in Syrian hamsters. *PLoS ONE*, **2013**, 8, e69127	3.7	105
61	The immune response to Nipah virus infection. *Archives of Virology*, **2012**, 157, 1635-41	2.6	13
60	Avian influenza a virus in wild birds in highly urbanized areas. *PLoS ONE*, **2012**, 7, e38256	3.7	16
59	Airborne transmission of influenza A/H5N1 virus between ferrets. *Science*, **2012**, 336, 1534-41	33.3	1162
58	Authentication of the R06E fruit bat cell line. *Viruses*, **2012**, 4, 889-900	6.2	11
57	Receptor-binding profiles of H7 subtype influenza viruses in different host species. *Journal of Virology*, **2012**, 86, 4370-9	6.6	74
56	Rapid Nipah virus entry into the central nervous system of hamsters via the olfactory route. *Scientific Reports*, **2012**, 2, 736	4.9	68
55	Ecology and Evolution of Avian Influenza Viruses **2011**, 729-749		1
54	Ecology of Avian Viruses **2011**, 365-394		1
53	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
52	Tackling Ebola: new insights into prophylactic and therapeutic intervention strategies. *Genome Medicine*, **2011**, 3, 5	14.4	17

51	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
50	Assessment of rodents as animal models for Reston ebolavirus. *Journal of Infectious Diseases*, **2011**, 204 Suppl 3, S968-72	7	21
49	Comparative analysis of Ebola virus glycoprotein interactions with human and bat cells. *Journal of Infectious Diseases*, **2011**, 204 Suppl 3, S840-9	7	54
48	Nipah virus transmission in a hamster model. *PLoS Neglected Tropical Diseases*, **2011**, 5, e1432	4.8	43
47	The pattern of influenza virus attachment varies among wild bird species. *PLoS ONE*, **2011**, 6, e24155	3.7	25
46	Pandemic 2009 H1N1 influenza virus causes diffuse alveolar damage in cynomolgus macaques. *Veterinary Pathology*, **2010**, 47, 1040-7	2.8	31
45	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
44	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
43	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
42	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
41	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
40	Surveillance of wild birds for avian influenza virus. *Emerging Infectious Diseases*, **2010**, 16, 1827-34	10.2	94
39	Repository of Eurasian influenza A virus hemagglutinin and neuraminidase reverse genetics vectors and recombinant viruses. *Vaccine*, **2010**, 28, 5803-9	4.1	13
38	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
37	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
36	Pathogenesis and transmission of swine-origin 2009 A(H1N1) influenza virus in ferrets. *Science*, **2009**, 325, 481-3	33.3	505
35	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
34	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

33	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
32	Avian influenza virus: of virus and bird ecology. *Vaccine*, **2009**, 27, 6340-4	4.1	78
31	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
30	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
29	Epidemiology of low pathogenic avian influenza viruses in wild birds. *OIE Revue Scientifique Et Technique*, **2009**, 28, 49-58	2.5	75
28	PERPETUATION OF AVIAN INFLUENZA IN THE AMERICAS: EXAMINING THE ROLE OF SHOREBIRDS IN PATAGONIA. *Auk*, **2008**, 125, 494-495	2.1	5
27	Epidemiology of Avian Influenza. *Monographs in Virology*, **2008**, 1-10		7
26	Surveillance of influenza A virus in migratory waterfowl in northern Europe. *Emerging Infectious Diseases*, **2007**, 13, 404-11	10.2	190
25	Spatial, temporal, and species variation in prevalence of influenza A viruses in wild migratory birds. *PLoS Pathogens*, **2007**, 3, e61	7.6	495
24	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
23	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
22	Hampered foraging and migratory performance in swans infected with low-pathogenic avian influenza A virus. *PLoS ONE*, **2007**, 2, e184	3.7	168
21	H5N1 Virus Attachment to Lower Respiratory Tract. *Science*, **2006**, 312, 399	33.3	503
20	Global patterns of influenza a virus in wild birds. *Science*, **2006**, 312, 384-8	33.3	1340
19	High prevalence of influenza A virus in ducks caught during spring migration through Sweden. *Vaccine*, **2006**, 24, 6734-5	4.1	19
18	Towards improved influenza A virus surveillance in migrating birds. *Vaccine*, **2006**, 24, 6729-33	4.1	57
17	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
16	Highly pathogenic avian influenza (H7N7): vaccination of zoo birds and transmission to non-poultry species. *Vaccine*, **2005**, 23, 5743-50	4.1	32

15	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
14	Mallards and highly pathogenic avian influenza ancestral viruses, northern Europe. *Emerging Infectious Diseases*, **2005**, 11, 1545-51	10.2	160
13	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
12	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
11	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
10	Avian Influenza A virus in ducks migrating through Sweden. *International Congress Series*, **2004**, 1263, 771-772		4
9	Phase variation of Ag43 is independent of the oxidation state of OxyR. *Journal of Bacteriology*, **2003**, 185, 2203-9	3.5	44
8	Dam-dependent phase variation of Ag43 in Escherichia coli is altered in a seqA mutant. *Molecular Microbiology*, **2002**, 44, 521-32	4.1	39
7	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
6	SARS-CoV-2 infection and persistence throughout the human body and brain		14
5	Assessment of N95 respirator decontamination and re-use for SARS-CoV-2		17
4	A single dose of ChAdOx1 MERS provides broad protective immunity against a variety of MERS-CoV strains		7
3	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		2
2	Age-related differences in immune dynamics during SARS-CoV-2 infection in rhesus macaques		2
1	An early warning system for emerging SARS-CoV-2 variants. *Nature Medicine*,	50.5	2