

# Bart L Haagmans

## List of Publications by Citations

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264  
papers

29,865  
citations

74  
h-index

170  
g-index

290  
ext. papers

37,398  
ext. citations

12.1  
avg, IF

8.75  
L-index

#	Paper	IF	Citations
264	Detection of 2019 novel coronavirus (2019-nCoV) by real-time RT-PCR. <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	4027
263	The species Severe acute respiratory syndrome-related coronavirus: classifying 2019-nCoV and naming it SARS-CoV-2. <i>Nature Microbiology</i> , <b>2020</b> , 5, 536-544	26.6	3797
262	Dipeptidyl peptidase 4 is a functional receptor for the emerging human coronavirus-EMC. <i>Nature</i> , <b>2013</b> , 495, 251-4	50.4	1362
261	Severe Acute Respiratory Syndrome Coronavirus 2-Specific Antibody Responses in Coronavirus Disease Patients. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1478-1488	10.2	1055
260	SARS-CoV-2 productively infects human gut enterocytes. <i>Science</i> , <b>2020</b> , 369, 50-54	33.3	882
259	Potent neutralizing antibodies from COVID-19 patients define multiple targets of vulnerability. <i>Science</i> , <b>2020</b> , 369, 643-650	33.3	724
258	A human monoclonal antibody blocking SARS-CoV-2 infection. <i>Nature Communications</i> , <b>2020</b> , 11, 2251	17.4	685
257	Genomic characterization of a newly discovered coronavirus associated with acute respiratory distress syndrome in humans. <i>MBio</i> , <b>2012</b> , 3,	7.8	632
256	Comparative pathogenesis of COVID-19, MERS, and SARS in a nonhuman primate model. <i>Science</i> , <b>2020</b> , 368, 1012-1015	33.3	596
255	Phenotype and kinetics of SARS-CoV-2-specific T cells in COVID-19 patients with acute respiratory distress syndrome. <i>Science Immunology</i> , <b>2020</b> , 5,	28	554
254	Middle East respiratory syndrome coronavirus neutralising serum antibodies in dromedary camels: a comparative serological study. <i>Lancet Infectious Diseases</i> , <b>2013</b> , 13, 859-66	25.5	523
253	Middle East respiratory syndrome coronavirus in dromedary camels: an outbreak investigation. <i>Lancet Infectious Diseases</i> , <b>2014</b> , 14, 140-5	25.5	487
252	Virology: SARS virus infection of cats and ferrets. <i>Nature</i> , <b>2003</b> , 425, 915	50.4	451
251	Animal models for COVID-19. <i>Nature</i> , <b>2020</b> , 586, 509-515	50.4	377
250	Duration and key determinants of infectious virus shedding in hospitalized patients with coronavirus disease-2019 (COVID-19). <i>Nature Communications</i> , <b>2021</b> , 12, 267	17.4	333
249	Exosome-mediated transmission of hepatitis C virus between human hepatoma Huh7.5 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13109-13	11.5	330
248	Pegylated interferon-alpha protects type 1 pneumocytes against SARS coronavirus infection in macaques. <i>Nature Medicine</i> , <b>2004</b> , 10, 290-3	50.5	329

247	The emerging role of ACE2 in physiology and disease. <i>Journal of Pathology</i> , <b>2007</b> , 212, 1-11	9.4	282
246	Assays for laboratory confirmation of novel human coronavirus (hCoV-EMC) infections. <i>Eurosurveillance</i> , <b>2012</b> , 17,	19.8	273
245	SARS-CoV-2 is transmitted via contact and via the air between ferrets. <i>Nature Communications</i> , <b>2020</b> , 11, 3496	17.4	271
244	Coronavirus cell entry occurs through the endo-/lysosomal pathway in a proteolysis-dependent manner. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004502	7.6	261
243	MERS-coronavirus replication induces severe in vitro cytopathology and is strongly inhibited by cyclosporin A or interferon- $\beta$ treatment. <i>Journal of General Virology</i> , <b>2013</b> , 94, 1749-1760	4.9	258
242	Exacerbated innate host response to SARS-CoV in aged non-human primates. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000756	7.6	247
241	Virus genomes reveal factors that spread and sustained the Ebola epidemic. <i>Nature</i> , <b>2017</b> , 544, 309-315	50.4	238
240	Human monoclonal antibody as prophylaxis for SARS coronavirus infection in ferrets. <i>Lancet, The</i> , <b>2004</b> , 363, 2139-41	40	228
239	An evaluation of COVID-19 serological assays informs future diagnostics and exposure assessment. <i>Nature Communications</i> , <b>2020</b> , 11, 3436	17.4	224
238	Identification of sialic acid-binding function for the Middle East respiratory syndrome coronavirus spike glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E8508-E8517	11.5	216
237	Microneedle array delivered recombinant coronavirus vaccines: Immunogenicity and rapid translational development. <i>EBioMedicine</i> , <b>2020</b> , 55, 102743	8.8	201
236	Interferon (IFN)-gamma-inducible protein-10: association with histological results, viral kinetics, and outcome during treatment with pegylated IFN-alpha 2a and ribavirin for chronic hepatitis C virus infection. <i>Journal of Infectious Diseases</i> , <b>2006</b> , 194, 895-903	7	190
235	SARS-CoV-2 variants of concern partially escape humoral but not T-cell responses in COVID-19 convalescent donors and vaccinees. <i>Science Immunology</i> , <b>2021</b> , 6,	28	185
234	An orthopoxvirus-based vaccine reduces virus excretion after MERS-CoV infection in dromedary camels. <i>Science</i> , <b>2016</b> , 351, 77-81	33.3	182
233	IP-10 predicts viral response and therapeutic outcome in difficult-to-treat patients with HCV genotype 1 infection. <i>Hepatology</i> , <b>2006</b> , 44, 1617-25	11.2	177
232	The receptor binding domain of the new Middle East respiratory syndrome coronavirus maps to a 231-residue region in the spike protein that efficiently elicits neutralizing antibodies. <i>Journal of Virology</i> , <b>2013</b> , 87, 9379-83	6.6	171
231	Middle East Respiratory Syndrome coronavirus (MERS-CoV) serology in major livestock species in an affected region in Jordan, June to September 2013. <i>Eurosurveillance</i> , <b>2013</b> , 18, 20662	19.8	154
230	Human coronavirus EMC does not require the SARS-coronavirus receptor and maintains broad replicative capability in mammalian cell lines. <i>MBio</i> , <b>2012</b> , 3,	7.8	154

229	A replicon-based bioassay for the measurement of interferons in patients with chronic hepatitis C. <i>Journal of Virological Methods</i> , <b>2003</b> , 110, 201-9	2.6	152
228	Geographic distribution of MERS coronavirus among dromedary camels, Africa. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 1370-4	10.2	145
227	Novel hepatitis E virus in ferrets, the Netherlands. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 1369-70	10.2	144
226	Modeling host genetic regulation of influenza pathogenesis in the collaborative cross. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003196	7.6	141
225	Isolation of MERS coronavirus from a dromedary camel, Qatar, 2014. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 1339-42	10.2	140
224	Statement in support of the scientists, public health professionals, and medical professionals of China combatting COVID-19. <i>Lancet, The</i> , <b>2020</b> , 395, e42-e43	4.0	133
223	Early upregulation of acute respiratory distress syndrome-associated cytokines promotes lethal disease in an aged-mouse model of severe acute respiratory syndrome coronavirus infection. <i>Journal of Virology</i> , <b>2009</b> , 83, 7062-74	6.6	132
222	MERS: emergence of a novel human coronavirus. <i>Current Opinion in Virology</i> , <b>2014</b> , 5, 58-62	7.5	127
221	Adenosine deaminase acts as a natural antagonist for dipeptidyl peptidase 4-mediated entry of the Middle East respiratory syndrome coronavirus. <i>Journal of Virology</i> , <b>2014</b> , 88, 1834-8	6.6	124
220	Identification of a naturally occurring recombinant genotype 2/6 hepatitis C virus. <i>Journal of Virology</i> , <b>2006</b> , 80, 7569-77	6.6	124
219	Response prediction in chronic hepatitis C by assessment of IP-10 and IL28B-related single nucleotide polymorphisms. <i>PLoS ONE</i> , <b>2011</b> , 6, e17232	3.7	120
218	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> , <b>2014</b> , 19,	19.8	117
217	Laboratory readiness and response for novel coronavirus (2019-nCoV) in expert laboratories in 30 EU/EEA countries, January 2020. <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	117
216	Miscarriage Associated with Zika Virus Infection. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 1002-4	59.2	115
215	The pathology and pathogenesis of experimental severe acute respiratory syndrome and influenza in animal models. <i>Journal of Comparative Pathology</i> , <b>2014</b> , 151, 83-112	1	113
214	Mycophenolic acid inhibits hepatitis C virus replication and acts in synergy with cyclosporin A and interferon-alpha. <i>Gastroenterology</i> , <b>2006</b> , 131, 1452-62	13.3	112
213	Middle East respiratory syndrome coronavirus spike protein delivered by modified vaccinia virus Ankara efficiently induces virus-neutralizing antibodies. <i>Journal of Virology</i> , <b>2013</b> , 87, 11950-4	6.6	111
212	Shedding of infectious virus in hospitalized patients with coronavirus disease-2019 (COVID-19): duration and key determinants		109

211	Immunogenicity of an adenoviral-based Middle East Respiratory Syndrome coronavirus vaccine in BALB/c mice. <i>Vaccine</i> , <b>2014</b> , 32, 5975-82	4.1	106
210	The Middle East respiratory syndrome coronavirus (MERS-CoV) does not replicate in Syrian hamsters. <i>PLoS ONE</i> , <b>2013</b> , 8, e69127	3.7	105
209	Pathogenesis of Middle East respiratory syndrome coronavirus. <i>Journal of Pathology</i> , <b>2015</b> , 235, 175-84	9.4	104
208	Persistence and evolution of feline coronavirus in a closed cat-breeding colony. <i>Virology</i> , <b>1997</b> , 234, 349-53	3.3	104
207	Interferon-gamma and interleukin-4 downregulate expression of the SARS coronavirus receptor ACE2 in Vero E6 cells. <i>Virology</i> , <b>2006</b> , 353, 474-81	3.6	93
206	IL28B polymorphisms predict reduction of HCV RNA from the first day of therapy in chronic hepatitis C. <i>Journal of Hepatology</i> , <b>2011</b> , 55, 980-8	13.4	92
205	Metagenomic analysis of the viral flora of pine marten and European badger feces. <i>Journal of Virology</i> , <b>2012</b> , 86, 2360-5	6.6	91
204	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> , <b>2014</b> , 44, 528-32	14.3	90
203	SARS-CoV-2 specific antibody responses in COVID-19 patients		88
202	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> , <b>2019</b> , 8, 516-530	18.9	86
201	ATP1A1-mediated Src signaling inhibits coronavirus entry into host cells. <i>Journal of Virology</i> , <b>2015</b> , 89, 4434-48	6.6	83
200	Differential Expression of the Middle East Respiratory Syndrome Coronavirus Receptor in the Upper Respiratory Tracts of Humans and Dromedary Camels. <i>Journal of Virology</i> , <b>2016</b> , 90, 4838-4842	6.6	82
199	Identification of multiple novel viruses, including a parvovirus and a hepevirus, in feces of red foxes. <i>Journal of Virology</i> , <b>2013</b> , 87, 7758-64	6.6	82
198	AuthorsPResponse to Hogan. <i>PLoS Medicine</i> , <b>2006</b> , 3, e415	11.6	78
197	Exploring the potential of next-generation sequencing in detection of respiratory viruses. <i>Journal of Clinical Microbiology</i> , <b>2014</b> , 52, 3722-30	9.7	76
196	Specific serology for emerging human coronaviruses by protein microarray. <i>Eurosurveillance</i> , <b>2013</b> , 18, 20441	19.8	76
195	Effects of potent neutralizing antibodies from convalescent plasma in patients hospitalized for severe SARS-CoV-2 infection. <i>Nature Communications</i> , <b>2021</b> , 12, 3189	17.4	76
194	Safety and immunogenicity of a modified vaccinia virus Ankara vector vaccine candidate for Middle East respiratory syndrome: an open-label, phase 1 trial. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 827-838	25.5	74

193	Inhibition of Middle East respiratory syndrome coronavirus infection by anti-CD26 monoclonal antibody. <i>Journal of Virology</i> , <b>2013</b> , 87, 13892-9	6.6	72
192	Intranasal fusion inhibitory lipopeptide prevents direct-contact SARS-CoV-2 transmission in ferrets. <i>Science</i> , <b>2021</b> , 371, 1379-1382	33.3	72
191	Asymptomatic Middle East respiratory syndrome coronavirus infection in rabbits. <i>Journal of Virology</i> , <b>2015</b> , 89, 6131-5	6.6	71
190	Livestock Susceptibility to Infection with Middle East Respiratory Syndrome Coronavirus. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 232-240	10.2	71
189	ADAR1: "Editor-in-Chief" of Cytoplasmic Innate Immunity. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1763	8.4	70
188	Susceptibility of rabbits to SARS-CoV-2. <i>Emerging Microbes and Infections</i> , <b>2021</b> , 10, 1-7	18.9	70
187	New viruses in idiopathic human diarrhea cases, the Netherlands. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 1218-22	10.2	68
186	Expression quantitative trait Loci for extreme host response to influenza a in pre-collaborative cross mice. <i>G3: Genes, Genomes, Genetics</i> , <b>2012</b> , 2, 213-21	3.2	68
185	Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection. <i>Cell</i> , <b>2021</b> , 184, 1188-1200.e19	56.2	68
184	An organoid-derived bronchioalveolar model for SARS-CoV-2 infection of human alveolar type II-like cells. <i>EMBO Journal</i> , <b>2021</b> , 40, e105912	13	67
183	Effect of vaccination route and composition of DNA vaccine on the induction of protective immunity against pseudorabies infection in pigs. <i>Veterinary Immunology and Immunopathology</i> , <b>1998</b> , 66, 113-26	2	66
182	Sensitive and Specific Detection of Low-Level Antibody Responses in Mild Middle East Respiratory Syndrome Coronavirus Infections. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 1868-1877	10.2	65
181	SARS-CoV-2 entry into human airway organoids is serine protease-mediated and facilitated by the multibasic cleavage site. <i>ELife</i> , <b>2021</b> , 10,	8.9	64
180	DPP4, the Middle East Respiratory Syndrome Coronavirus Receptor, is Upregulated in Lungs of Smokers and Chronic Obstructive Pulmonary Disease Patients. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 45-53	11.6	63
179	Occupational Exposure to Dromedaries and Risk for MERS-CoV Infection, Qatar, 2013-2014. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 1422-5	10.2	63
178	Apoptosis and T-cell depletion during feline infectious peritonitis. <i>Journal of Virology</i> , <b>1996</b> , 70, 8977-83	6.6	63
177	Phenotypic Differences between Asian and African Lineage Zika Viruses in Human Neural Progenitor Cells. <i>MSphere</i> , <b>2017</b> , 2,	5	62
176	Cross host transmission in the emergence of MERS coronavirus. <i>Current Opinion in Virology</i> , <b>2016</b> , 16, 55-62	7.5	61

175	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> , <b>2015</b> , 5, 28305	4.3	61
174	Distinct severe acute respiratory syndrome coronavirus-induced acute lung injury pathways in two different nonhuman primate species. <i>Journal of Virology</i> , <b>2011</b> , 85, 4234-45	6.6	61
173	Detection of novel divergent arenaviruses in boid snakes with inclusion body disease in The Netherlands. <i>Journal of General Virology</i> , <b>2013</b> , 94, 1206-1210	4.9	60
172	A conserved immunogenic and vulnerable site on the coronavirus spike protein delineated by cross-reactive monoclonal antibodies. <i>Nature Communications</i> , <b>2021</b> , 12, 1715	17.4	60
171	Metagenomic analysis of the ferret fecal viral flora. <i>PLoS ONE</i> , <b>2013</b> , 8, e71595	3.7	59
170	Novel cyclovirus in human cerebrospinal fluid, Malawi, 2010-2011. <i>Emerging Infectious Diseases</i> , <b>2013</b> , 19,	10.2	57
169	Patterns of viral decline during PEG-interferon alpha-2b therapy in HBeAg-positive chronic hepatitis B: relation to treatment response. <i>Hepatology</i> , <b>2006</b> , 44, 721-7	11.2	57
168	Hepatitis E Virus (HEV) Genotype 3 Infection of Human Liver Chimeric Mice as a Model for Chronic HEV Infection. <i>Journal of Virology</i> , <b>2016</b> , 90, 4394-401	6.6	55
167	Chimeric camel/human heavy-chain antibodies protect against MERS-CoV infection. <i>Science Advances</i> , <b>2018</b> , 4, eaas9667	14.3	55
166	DC-SIGN enhances infection of cells with glycosylated West Nile virus in vitro and virus replication in human dendritic cells induces production of IFN-alpha and TNF-alpha. <i>Virus Research</i> , <b>2008</b> , 135, 64-71	6.4	55
165	HCV-specific T-cell response in relation to viral kinetics and treatment outcome (DITTO-HCV project). <i>Gastroenterology</i> , <b>2007</b> , 133, 1132-43	13.3	55
164	The glycosylation status of the murine hepatitis coronavirus M protein affects the interferogenic capacity of the virus in vitro and its ability to replicate in the liver but not the brain. <i>Virology</i> , <b>2003</b> , 312, 395-406	3.6	54
163	Functional genomics highlights differential induction of antiviral pathways in the lungs of SARS-CoV-infected macaques. <i>PLoS Pathogens</i> , <b>2007</b> , 3, e112	7.6	53
162	Comparative study of different methods to genotype hepatitis C virus type 6 variants. <i>Journal of Virological Methods</i> , <b>2003</b> , 109, 195-201	2.6	53
161	A human monoclonal antibody blocking SARS-CoV-2 infection		53
160	MERS-CoV Infection of Alpaca in a Region Where MERS-CoV is Endemic. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 1129-31	10.2	53
159	The next phase of SARS-CoV-2 surveillance: real-time molecular epidemiology. <i>Nature Medicine</i> , <b>2021</b> , 27, 1518-1524	50.5	49
158	Divergent SARS CoV-2 Omicron-reactive T- and B cell responses in COVID-19 vaccine recipients.. <i>Science Immunology</i> , <b>2022</b> , 7, eabo2202	28	48



157	Middle East respiratory syndrome coronavirus vaccines: current status and novel approaches. <i>Current Opinion in Virology</i> , <b>2017</b> , 23, 49-58	7.5	47
156	Genotyping hepatitis C viruses from Southeast Asia by a novel line probe assay that simultaneously detects core and 5Puntranslated regions. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 3969-74	9.7	45
155	The application of genomics to emerging zoonotic viral diseases. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000557	7.6	43
154	Human airway cells prevent SARS-CoV-2 multibasic cleavage site cell culture adaptation. <i>ELife</i> , <b>2021</b> , 10,	8.9	42
153	SARS-CoV-2 Productively Infects Human Gut Enterocytes		41
152	Potent neutralizing antibodies from COVID-19 patients define multiple targets of vulnerability		41
151	Host Determinants of MERS-CoV Transmission and Pathogenesis. <i>Viruses</i> , <b>2019</b> , 11,	6.2	39
150	Antibodies neutralizing peginterferon alfa during retreatment of hepatitis C. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 1323-4	59.2	39
149	Phenotype of SARS-CoV-2-specific T-cells in COVID-19 patients with acute respiratory distress syndrome		39
148	T-Cell tropism of simian varicella virus during primary infection. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003368	7.6	38
147	Characterization of hepatitis C virus deletion mutants circulating in chronically infected patients. <i>Journal of Virology</i> , <b>2007</b> , 81, 12496-503	6.6	38
146	Detection of Circovirus in Foxes with Meningoencephalitis, United Kingdom, 2009-2013. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 1205-8	10.2	37
145	Coronaviruses and their therapy. <i>Antiviral Research</i> , <b>2006</b> , 71, 397-403	10.8	36
144	A DNA vaccine coding for glycoprotein B of pseudorabies virus induces cell-mediated immunity in pigs and reduces virus excretion early after infection. <i>Veterinary Immunology and Immunopathology</i> , <b>2000</b> , 74, 121-36	2	35
143	Tumor necrosis factor alpha promotes replication and pathogenicity of rat cytomegalovirus. <i>Journal of Virology</i> , <b>1994</b> , 68, 2297-304	6.6	35
142	MERS-coronavirus: From discovery to intervention. <i>One Health</i> , <b>2017</b> , 3, 11-16	7.6	34
141	Adverse effects of feline IL-12 during DNA vaccination against feline infectious peritonitis virus. <i>Journal of General Virology</i> , <b>2002</b> , 83, 1-10	4.9	34
140	Assessing the extent of SARS-CoV-2 circulation through serological studies. <i>Nature Medicine</i> , <b>2020</b> , 26, 1171-1172	50.5	34



139	Inflammatory monocytes recruited to the liver within 24 hours after virus-induced inflammation resemble Kupffer cells but are functionally distinct. <i>Journal of Virology</i> , <b>2015</b> , 89, 4809-17	6.6	32
138	Deletion Variants of Middle East Respiratory Syndrome Coronavirus from Humans, Jordan, 2015. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 716-9	10.2	32
137	Risk Factors for Primary Middle East Respiratory Syndrome Coronavirus Infection in Camel Workers in Qatar During 2013-2014: A Case-Control Study. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 1702-1705	7	31
136	Middle East respiratory syndrome coronavirus specific antibodies in naturally exposed Israeli llamas, alpacas and camels. <i>One Health</i> , <b>2018</b> , 5, 65-68	7.6	30
135	Novel divergent nidovirus in a python with pneumonia. <i>Journal of General Virology</i> , <b>2014</b> , 95, 2480-2485	4.9	30
134	Performance evaluation of the new Roche cobas AmpliPrep/cobas TaqMan HCV test, version 2.0, for detection and quantification of hepatitis C virus RNA. <i>Journal of Clinical Microbiology</i> , <b>2013</b> , 51, 238-42	8.7	30
133	Pharmacodynamics of PEG-IFN-alpha-2a in HIV/HCV co-infected patients: implications for treatment outcomes. <i>Journal of Hepatology</i> , <b>2010</b> , 53, 460-7	13.4	30
132	Differential antiviral effect of PEG-interferon-alpha-2b on HIV and HCV in the treatment of HIV/HCV co-infected patients. <i>Aids</i> , <b>2007</b> , 21, 1855-65	3.5	30
131	Virus specific immune responses after human neoadjuvant adenovirus-mediated suicide gene therapy for prostate cancer. <i>European Urology</i> , <b>2005</b> , 48, 153-61	10.2	30
130	SARS-CoV-2 pathogenesis.. <i>Nature Reviews Microbiology</i> , <b>2022</b> ,	22.2	30
129	Tissue Distribution of the MERS-Coronavirus Receptor in Bats. <i>Scientific Reports</i> , <b>2017</b> , 7, 1193	4.9	28
128	Membrane ectopeptidases targeted by human coronaviruses. <i>Current Opinion in Virology</i> , <b>2014</b> , 6, 55-60	7.5	28
127	SARS-CoV-2 Omicron variant is highly sensitive to molnupiravir, nirmatrelvir, and the combination.. <i>Cell Research</i> , <b>2022</b> ,	24.7	28
126	Targeted proteomics as a tool to detect SARS-CoV-2 proteins in clinical specimens		28
125	Species-Specific Colocalization of Middle East Respiratory Syndrome Coronavirus Attachment and Entry Receptors. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	27
124	Picobirnaviruses in the human respiratory tract. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 1539-40	10.2	27
123	Molecular epidemiology of gibbon hepatitis B virus transmission. <i>Journal of General Virology</i> , <b>2003</b> , 84, 147-155	4.9	27
122	Vaccination of pigs against pseudorabies virus with plasmid DNA encoding glycoprotein D. <i>Vaccine</i> , <b>1999</b> , 17, 1264-71	4.1	27

121	Comparative Pathogenesis Of COVID-19, MERS And SARS In A Non-Human Primate Model		27
120	Towards the next phase: evaluation of serological assays for diagnostics and exposure assessment		27
119	Immunogenicity and efficacy of the COVID-19 candidate vector vaccine MVA-SARS-2-S in preclinical vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	27
118	A recombinant influenza A virus expressing domain III of West Nile virus induces protective immune responses against influenza and West Nile virus. <i>PLoS ONE</i> , <b>2011</b> , 6, e18995	3.7	26
117	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> , <b>2018</b> , 8, 9778	4.9	25
116	Protective antiviral immune responses to pseudorabies virus induced by DNA vaccination using dimethyldioctadecylammonium bromide as an adjuvant. <i>Journal of Virology</i> , <b>2002</b> , 76, 10540-5	6.6	25
115	Pneumococcal conjugate vaccines. <i>Immunology Letters</i> , <b>1991</b> , 30, 267-74	4.1	25
114	Calicivirus from novel Recovirus genogroup in human diarrhea, Bangladesh. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 1192-5	10.2	24
113	SARS-CoV-2 is transmitted via contact and via the air between ferrets		24
112	Tumor necrosis factor alpha levels in cats experimentally infected with feline immunodeficiency virus: effects of immunization and feline leukemia virus infection. <i>Veterinary Immunology and Immunopathology</i> , <b>1992</b> , 35, 61-9	2	23
111	Multimerization- and glycosylation-dependent receptor binding of SARS-CoV-2 spike proteins. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009282	7.6	23
110	Virological characteristics of SARS-CoV-2 vaccine breakthrough infections in health care workers		23
109	Reliable typing of MERS-CoV variants with a small genome fragment. <i>Journal of Clinical Virology</i> , <b>2015</b> , 64, 83-7	14.5	22
108	Spiking the MERS-coronavirus receptor. <i>Cell Research</i> , <b>2013</b> , 23, 1069-70	24.7	21
107	High Levels of Neutrophil Extracellular Traps Persist in the Lower Respiratory Tract of Critically Ill Patients With Coronavirus Disease 2019. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 1512-1521	7	21
106	Blocking transmission of Middle East respiratory syndrome coronavirus (MERS-CoV) in llamas by vaccination with a recombinant spike protein. <i>Emerging Microbes and Infections</i> , <b>2019</b> , 8, 1593-1603	18.9	19
105	Host-dependent type 1 cytokine responses driven by inactivated viruses may fail to default in the absence of IL-12 or IFN-alpha/beta. <i>Journal of General Virology</i> , <b>2004</b> , 85, 795-803	4.9	19
104	Nonhuman primate models for SARS. <i>PLoS Medicine</i> , <b>2006</b> , 3, e194	11.6	19

103	Suppression of rat cytomegalovirus replication by antibodies against gamma interferon. <i>Journal of Virology</i> , <b>1994</b> , 68, 2305-12	6.6	18
102	Advancing lung organoids for COVID-19 research. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	18
101	Enteric coronavirus in ferrets, The Netherlands. <i>Emerging Infectious Diseases</i> , <b>2011</b> , 17, 1570-1	10.2	17
100	Metagenomic survey for viruses in Western Arctic caribou, Alaska, through iterative assembly of taxonomic units. <i>PLoS ONE</i> , <b>2014</b> , 9, e105227	3.7	16
99	Complete genome analysis of hepatitis C virus subtypes 6t and 6u. <i>Journal of General Virology</i> , <b>2008</b> , 89, 1276-1281	4.9	16
98	SARS-CoV-2 neutralizing human antibodies protect against lower respiratory tract disease in a hamster model		16
97	SARS-CoV-2 Neutralizing Human Antibodies Protect Against Lower Respiratory Tract Disease in a Hamster Model. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 2020-2028	7	16
96	Therapeutic response to peg-IFN-alpha-2b and ribavirin in HIV/HCV co-infected African-American and Caucasian patients as a function of HCV viral kinetics and interferon pharmacodynamics. <i>Aids</i> , <b>2009</b> , 23, 2439-50	3.5	15
95	Twice-weekly pegylated interferon-2a and ribavirin results in superior viral kinetics in HIV/hepatitis C virus co-infected patients compared to standard therapy. <i>Aids</i> , <b>2011</b> , 25, 1179-87	3.5	15
94	Pretreatment intrahepatic CD8+ cell count correlates with virological response to antiviral therapy in chronic hepatitis C virus infection. <i>Journal of Infectious Diseases</i> , <b>2003</b> , 188, 1528-32	7	15
93	MERS-CoV in Camels but Not Camel Handlers, Sudan, 2015 and 2017. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 2333-2335	10.2	15
92	A CRISPR/Cas9 genetically engineered organoid biobank reveals essential host factors for coronaviruses. <i>Nature Communications</i> , <b>2021</b> , 12, 5498	17.4	15
91	Identification of HCV Resistant Variants against Direct Acting Antivirals in Plasma and Liver of Treatment Naïve Patients. <i>Scientific Reports</i> , <b>2017</b> , 7, 4688	4.9	14
90	Unraveling the complexities of the interferon response during SARS-CoV infection. <i>Future Virology</i> , <b>2009</b> , 4, 71-78	2.4	14
89	Rat testicular germ cells and Sertoli cells release different types of bioactive transforming growth factor beta in vitro. <i>Reproductive Biology and Endocrinology</i> , <b>2003</b> , 1, 3	5	14
88	Severe COVID-19 patients display a back boost of seasonal coronavirus-specific antibodies		14
87	Serologic Detection of Middle East Respiratory Syndrome Coronavirus Functional Antibodies. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1024-1027	10.2	13
86	Impact of obesity on the bioavailability of peginterferon-2a and ribavirin and treatment outcome for chronic hepatitis C genotype 2 or 3. <i>PLoS ONE</i> , <b>2012</b> , 7, e37521	3.7	13

85	Molecular epidemiology and genetic diversity of hepatitis B virus in Ethiopia. <i>Journal of Medical Virology</i> , <b>2016</b> , 88, 1035-43	19.7	13
84	Comparison of Serologic Assays for Middle East Respiratory Syndrome Coronavirus. <i>Emerging Infectious Diseases</i> , <b>2019</b> , 25, 1878-1883	10.2	12
83	Genotypic anomaly in Ebola virus strains circulating in Magazine Wharf area, Freetown, Sierra Leone, 2015. <i>Eurosurveillance</i> , <b>2015</b> , 20,	19.8	12
82	Development of immunohistochemistry and in situ hybridisation for the detection of SARS-CoV and SARS-CoV-2 in formalin-fixed paraffin-embedded specimens. <i>Scientific Reports</i> , <b>2020</b> , 10, 21894	4.9	12
81	Co-localization of Middle East respiratory syndrome coronavirus (MERS-CoV) and dipeptidyl peptidase-4 in the respiratory tract and lymphoid tissues of pigs and llamas. <i>Transboundary and Emerging Diseases</i> , <b>2019</b> , 66, 831-841	4.2	12
80	Multihospital Outbreak of a Middle East Respiratory Syndrome Coronavirus Deletion Variant, Jordan: A Molecular, Serologic, and Epidemiologic Investigation. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy095	1	12
79	Updated phylogenetic analysis of arenaviruses detected in boid snakes. <i>Journal of Virology</i> , <b>2014</b> , 88, 1399-400	6.6	11
78	A novel hepatitis B virus subgenotype D10 circulating in Ethiopia. <i>Journal of Viral Hepatitis</i> , <b>2017</b> , 24, 163-173	3.4	11
77	Impact of soluble CD26 on treatment outcome and hepatitis C virus-specific T cells in chronic hepatitis C virus genotype 1 infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e56991	3.7	11
76	Identification and characterization of two novel viruses in ocular infections in reindeer. <i>PLoS ONE</i> , <b>2013</b> , 8, e69711	3.7	11
75	Susceptibility of rabbits to SARS-CoV-2		11
74	The Post-Acute Phase of SARS-CoV-2 Infection in Two Macaque Species Is Associated with Signs of Ongoing Virus Replication and Pathology in Pulmonary and Extrapulmonary Tissues. <i>Viruses</i> , <b>2021</b> , 13,	6.2	11
73	Animal models of SARS-CoV-2 transmission. <i>Current Opinion in Virology</i> , <b>2021</b> , 50, 8-16	7.5	11
72	Targeted proteomics as a tool to detect SARS-CoV-2 proteins in clinical specimens. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259165	3.7	10
71	Identification of protein receptors for coronaviruses by mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1282, 165-82	1.4	10
70	Naturally occurring recombination in ferret coronaviruses revealed by complete genome characterization. <i>Journal of General Virology</i> , <b>2016</b> , 97, 2180-2186	4.9	10
69	Homologous and heterologous antibodies to coronavirus 229E, NL63, OC43, HKU1, SARS, MERS and SARS-CoV-2 antigens in an age stratified cross-sectional serosurvey in a large tertiary hospital in The Netherlands		10
68	Particulate multivalent presentation of the receptor binding domain induces protective immune responses against MERS-CoV. <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 1080-1091	18.9	9

67	Intrathecal CD4(+) and CD8(+) T-cell responses to endogenously synthesized candidate disease-associated human autoantigens in multiple sclerosis patients. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 347-53	6.1	9
66	Genome sequence of enterovirus D68 and clinical disease, Thailand. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 384	10.2	9
65	ALT and viral load decline during PEG-IFN alpha-2b treatment for HBeAg-positive chronic hepatitis B. <i>Journal of Clinical Virology</i> , <b>2008</b> , 42, 160-4	14.5	9
64	Genetic diversity of hepatitis C virus in Ethiopia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179064	3.7	9
63	Isolation of cross-reactive monoclonal antibodies against divergent human coronaviruses that delineate a conserved and vulnerable site on the spike protein		9
62	A single subcutaneous or intranasal immunization with adenovirus-based SARS-CoV-2 vaccine induces robust humoral and cellular immune responses in mice. <i>European Journal of Immunology</i> , <b>2021</b> , 51, 1774-1784	6.1	9
61	Seroepidemiology of hepatitis B and C virus infections among blood donors in Ethiopia. <i>Journal of Medical Virology</i> , <b>2017</b> , 89, 1300-1303	19.7	8
60	Lack of Middle East Respiratory Syndrome Coronavirus Transmission in Rabbits. <i>Viruses</i> , <b>2019</b> , 11,	6.2	8
59	Failure to detect MERS-CoV RNA in urine of naturally infected dromedary camels. <i>Zoonoses and Public Health</i> , <b>2019</b> , 66, 437-438	2.9	8
58	Monitoring intrahepatic CD8+ T cells by fine-needle aspiration cytology in chronic hepatitis C infection. <i>Journal of Viral Hepatitis</i> , <b>2004</b> , 11, 342-8	3.4	8
57	Machine-learning based patient classification using Hepatitis B virus full-length genome quasispecies from Asian and European cohorts. <i>Scientific Reports</i> , <b>2019</b> , 9, 18892	4.9	8
56	Modelling of Early Viral Kinetics and Pegylated Interferon- $\alpha$ 2b Pharmacokinetics in Patients with HBeAg-Positive Chronic Hepatitis B. <i>Antiviral Therapy</i> , <b>2007</b> , 12, 1285-1294	1.6	8
55	Virogenomics: the virus-host interaction revisited. <i>Current Opinion in Microbiology</i> , <b>2008</b> , 11, 461-6	7.9	7
54	Divergent SARS CoV-2 Omicron-specific T- and B-cell responses in COVID-19 vaccine recipients		7
53	The sample of choice for detecting Middle East respiratory syndrome coronavirus in asymptomatic dromedary camels using real-time reversetranscription polymerase chain reaction. <i>OIE Revue Scientifique Et Technique</i> , <b>2016</b> , 35, 905-911	2.5	7
52	The BNT162b2 mRNA vaccine against SARS-CoV-2 reprograms both adaptive and innate immune responses		7
51	Human organoid systems reveal in vitro correlates of fitness for SARS-CoV-2 B.1.1.7		7
50	Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Seropositive Camel Handlers in Kenya. <i>Viruses</i> , <b>2020</b> , 12,	6.2	7

49	Science, not speculation, is essential to determine how SARS-CoV-2 reached humans. <i>Lancet, The</i> , <b>2021</b> , 398, 209-211	40	7
48	Omicron BA.1 and BA.2 are antigenically distinct SARS-CoV-2 variants		7
47	Defining the risk of SARS-CoV-2 variants on immune protection.. <i>Nature</i> , <b>2022</b> ,	50.4	7
46	2011 IL28B POLYMORPHISM IS SIGNIFICANTLY CORRELATED WITH IFN ANTI-VIRAL EFFECTIVENESS ALREADY ON FIRST DAY OF PEGYLATED INTERFERON- $\alpha$ AND RIBAVIRIN THERAPY OF CHRONIC HCV INFECTION. <i>Journal of Hepatology</i> , <b>2010</b> , 52, S468	13.4	6
45	DITTO-HCV early viral kinetics report - novel decline patterns in gen 1 but not gen 2 $\beta$ patients treated with PEG-interferon- $\alpha$ -2a and ribavirin. <i>Journal of Hepatology</i> , <b>2002</b> , 36, 121	13.4	6
44	SARS-CoV-2 Omicron efficiently infects human airway, but not alveolar epithelium		6
43	Immunogenicity and efficacy of the COVID-19 candidate vector vaccine MVA SARS 2 S in preclinical vaccination $\beta$		6
42	Seasonal coronavirus-specific B cells with limited SARS-CoV-2 cross-reactivity dominate the IgG response in severe COVID-19. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	6
41	Neutralizing the MERS coronavirus threat. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 235fs19	17.5	5
40	Interferon- $\beta$ Auto-antibodies in Convalescent Plasma Therapy for COVID-19. <i>Journal of Clinical Immunology</i> , <b>2021</b> , 1	5.7	5
39	The SARS-CoV-2 multibasic cleavage site facilitates early serine protease-mediated entry into organoid-derived human airway cells		5
38	The post-acute phase of SARS-CoV-2 infection in two macaques species is associated with signs of ongoing virus replication and pathology in pulmonary and extrapulmonary tissues		5
37	Human Respiratory Syncytial Virus Subgroup A and B Infections in Nasal, Bronchial, Small-Airway, and Organoid-Derived Respiratory Cultures. <i>MSphere</i> , <b>2021</b> , 6,	5	5
36	An ACE2-blocking antibody confers broad neutralization and protection against Omicron and other SARS-CoV-2 variants of concern.. <i>Science Immunology</i> , <b>2022</b> , eabp9312	28	5
35	SARS-CoV-2 Omicron variant causes mild pathology in the upper and lower respiratory tract of hamsters. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	5
34	Immunisation with virion-loaded plasmacytoid or myeloid dendritic cells induces primary Th-1 immune responses. <i>Vaccine</i> , <b>2005</b> , 23, 1343-50	4.1	4
33	Geographic Distribution of MERS Coronavirus among Dromedary Camels, Africa. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20,	10.2	4
32	Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets <b>2020</b> ,		4

31	Human airway cells prevent SARS-CoV-2 multibasic cleavage site cell culture adaptation		4
30	Evaluation of a multi-species SARS-CoV-2 surrogate virus neutralization test. <i>One Health</i> , <b>2021</b> , 13, 1003136		4
29	Comparative efficacy, pharmacokinetic, pharmacodynamic activity, and interferon stimulated gene expression of different interferon formulations in HIV/HCV genotype-1 infected patients. <i>Journal of Medical Virology</i> , <b>2014</b> , 86, 177-85	19.7	3
28	Continuous interferon- $\alpha$ 2b infusion in combination with ribavirin for chronic hepatitis C in treatment-experienced patients. <i>Antiviral Therapy</i> , <b>2012</b> , 17, 509-17	1.6	3
27	Protection of rats against pseudorabies virus infection by gamma-interferon. <i>Experimental Biology and Medicine</i> , <b>1989</b> , 192, 47-55	3.7	3
26	Effects of Potent Neutralizing Antibodies from Convalescent Plasma in Patients Hospitalized for Severe SARS-CoV-2 Infection.		3
25	Differential effects of anti-tumor necrosis factor monoclonal antibodies on systemic inflammatory responses in experimental endotoxemia in chimpanzees. <i>Blood</i> , <b>1994</b> , 83, 446-451	2.2	3
24	Nonresponder patients with hepatitis C virus genotype 2/3 infection: a question of low systemic interferon concentrations?. <i>Clinical Infectious Diseases</i> , <b>2010</b> , 50, e22-5	11.6	2
23	SARS <b>2009</b> , 671-683		2
22	SARS-CoV-2 Omicron variant causes mild pathology in the upper and lower respiratory tract of Syrian golden hamsters ( <i>Mesocricetus auratus</i> )		2
21	SARS virus infection of cats and ferrets. <i>Nature</i> , <b>2003</b> , 425, 915-915	50.4	2
20	Multimerization- and glycosylation-dependent receptor binding of SARS-CoV-2 spike proteins		2
19	3D visualization of SARS-CoV-2 infection and receptor distribution in Syrian hamster lung lobes display distinct spatial arrangements		2
18	Author response: Human airway cells prevent SARS-CoV-2 multibasic cleavage site cell culture adaptation <b>2021</b> ,		2
17	A CRISPR/Cas9 genetically engineered organoid biobank reveals essential host factors for coronaviruses		2
16	Distinct spatial arrangements of ACE2 and TMPRSS2 expression in Syrian hamster lung lobes dictates SARS-CoV-2 infection patterns.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010340	7.6	2
15	An early warning system for emerging SARS-CoV-2 variants. <i>Nature Medicine</i> ,	50.5	2
14	Presence of anti-interferon antibodies is not associated with non-response to pegylated interferon treatment in chronic hepatitis B. <i>Antiviral Therapy</i> , <b>2014</b> , 19, 423-7	1.6	1



13	AuthorsResponse: Plenty of coronaviruses but no SARS-CoV-2. <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	1
12	The glycosylated extracellular domain of MUC1 protects against SARS-CoV-2 infection at the respiratory surface		1
11	Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection		1
10	Baseline anti-NS4a antibodies in combination with on-treatment quantitative HCV-RNA reliably identifies nonresponders to pegylated interferon-ribavirin combination therapy after 4 weeks of treatment. <i>European Journal of Gastroenterology and Hepatology</i> , <b>2010</b> , 22, 1443-8	2.2	1
9	Evaluation of a multi-species SARS-CoV-2 surrogate virus neutralization test		1
8	An ACE2-blocking antibody confers broad neutralization and protection against Omicron and other SARS-CoV-2 variants		1
7	Spreading of SARS-CoV-2 from hamsters to humans.. <i>Lancet, The</i> , <b>2022</b> , 399, 1027-1028	40	1
6	Pulmonary lesions following inoculation with the SARS-CoV-2 Omicron BA.1 (B.1.1.529) variant in Syrian golden hamsters		1
5	Corrigendum to "A DNA vaccine coding for glycoprotein B of pseudorabies virus induces cell-mediated immunity in pigs and reduces virus excretion early after infection". <i>Veterinary Immunology and Immunopathology</i> , <b>2000</b> , 75, 161-2	2	0
4	Middle East respiratory syndrome coronavirus infection in camelids.. <i>Veterinary Pathology</i> , <b>2022</b> , 3009858311069120		
3	Modeling Infection and Tropism of Human Parainfluenza Virus Type 3 in Ferrets.. <i>MBio</i> , <b>2022</b> , e0383121	7.8	0
2	Severe acute respiratory syndrome (SARS) vaccines <b>2008</b> , 1301-1306		
1	Zoonoses Anticipation and Preparedness Initiative, stakeholders conference, February 4 & 5, 2021. <i>Biologicals</i> , <b>2021</b> , 74, 10-15	1.8	