

# Neeltje van Doremalen

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

18,115  
citations

126708

33  
h-index

128067

60  
g-index

84  
all docs

84  
docs citations

84  
times ranked

32559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol and Surface Stability of SARS-CoV-2 as Compared with SARS-CoV-1. <i>New England Journal of Medicine</i> , 2020, 382, 1564-1567.	13.9	7,369
2	SARS and MERS: recent insights into emerging coronaviruses. <i>Nature Reviews Microbiology</i> , 2016, 14, 523-534.	13.6	2,752
3	A Novel Coronavirus Emerging in China – Key Questions for Impact Assessment. <i>New England Journal of Medicine</i> , 2020, 382, 692-694.	13.9	1,104
4	ChAdOx1 nCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques. <i>Nature</i> , 2020, 586, 578-582.	13.7	840
5	Respiratory disease in rhesus macaques inoculated with SARS-CoV-2. <i>Nature</i> , 2020, 585, 268-272.	13.7	619
6	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2. <i>Nature</i> , 2020, 585, 273-276.	13.7	592
7	Molecular Evidence of Sexual Transmission of Ebola Virus. <i>New England Journal of Medicine</i> , 2015, 373, 2448-2454.	13.9	380
8	Replication and Shedding of MERS-CoV in Upper Respiratory Tract of Inoculated Dromedary Camels. <i>Emerging Infectious Diseases</i> , 2014, 20, 1999-2005.	2.0	233
9	K18-hACE2 mice develop respiratory disease resembling severe COVID-19. <i>PLoS Pathogens</i> , 2021, 17, e1009195.	2.1	227
10	Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. <i>Emerging Infectious Diseases</i> , 2020, 26, 2253-2255.	2.0	200
11	Host Species Restriction of Middle East Respiratory Syndrome Coronavirus through Its Receptor, Dipeptidyl Peptidase 4. <i>Journal of Virology</i> , 2014, 88, 9220-9232.	1.5	189
12	Infection with MERS-CoV Causes Lethal Pneumonia in the Common Marmoset. <i>PLoS Pathogens</i> , 2014, 10, e1004250.	2.1	186
13	Intranasal ChAdOx1 nCoV-19/AZD1222 vaccination reduces viral shedding after SARS-CoV-2 D614G challenge in preclinical models. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	180
14	Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. <i>Emerging Infectious Diseases</i> , 2016, 22, 331-4.	2.0	175
15	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses. <i>ELife</i> , 2021, 10, .	2.8	158
16	Importance of Neutralizing Monoclonal Antibodies Targeting Multiple Antigenic Sites on the Middle East Respiratory Syndrome Coronavirus Spike Glycoprotein To Avoid Neutralization Escape. <i>Journal of Virology</i> , 2018, 92, .	1.5	155
17	Effect of Environmental Conditions on SARS-CoV-2 Stability in Human Nasal Mucus and Sputum. <i>Emerging Infectious Diseases</i> , 2020, 26, 2276-2278.	2.0	143
18	Replication and shedding of MERS-CoV in Jamaican fruit bats ( <i>Artibeus jamaicensis</i> ). <i>Scientific Reports</i> , 2016, 6, 21878.	1.6	138

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19	Mosaic RBD nanoparticles protect against challenge by diverse sarbecoviruses in animal models. <i>Science</i> , 2022, 377, .	6.0	120
20	Adaptive Evolution of MERS-CoV to Species Variation in DPP4. <i>Cell Reports</i> , 2018, 24, 1730-1737.	2.9	108
21	Stability of Middle East Respiratory Syndrome Coronavirus in Milk. <i>Emerging Infectious Diseases</i> , 2014, 20, 1263-1264.	2.0	96
22	SARS-CoV-2 disease severity and transmission efficiency is increased for airborne compared to fomite exposure in Syrian hamsters. <i>Nature Communications</i> , 2021, 12, 4985.	5.8	94
23	A single dose of ChAdOx1 MERS provides protective immunity in rhesus macaques. <i>Science Advances</i> , 2020, 6, eaba8399.	4.7	89
24	Protective efficacy of a novel simian adenovirus vaccine against lethal MERS-CoV challenge in a transgenic human DPP4 mouse model. <i>Npj Vaccines</i> , 2017, 2, 28.	2.9	81
25	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. <i>Viruses</i> , 2019, 11, 212.	1.5	75
26	Animal models of Middle East respiratory syndrome coronavirus infection. <i>Antiviral Research</i> , 2015, 122, 28-38.	1.9	66
27	Efficacy of antibody-based therapies against Middle East respiratory syndrome coronavirus (MERS-CoV) in common marmosets. <i>Antiviral Research</i> , 2017, 143, 30-37.	1.9	56
28	Contact transmission of influenza virus between ferrets imposes a looser bottleneck than respiratory droplet transmission allowing propagation of antiviral resistance. <i>Scientific Reports</i> , 2016, 6, 29793.	1.6	53
29	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7. <i>Nature Communications</i> , 2021, 12, 5868.	5.8	52
30	A single-dose ChAdOx1-vectored vaccine provides complete protection against Nipah Bangladesh and Malaysia in Syrian golden hamsters. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007462.	1.3	46
31	Increased small particle aerosol transmission of B.1.1.7 compared with SARS-CoV-2 lineage A in vivo. <i>Nature Microbiology</i> , 2022, 7, 213-223.	5.9	45
32	Plasmodium Parasitemia Associated With Increased Survival in Ebola Virus-Infected Patients. <i>Clinical Infectious Diseases</i> , 2016, 63, 1026-1033.	2.9	42
33	High Prevalence of Middle East Respiratory Coronavirus in Young Dromedary Camels in Jordan. <i>Vector-Borne and Zoonotic Diseases</i> , 2017, 17, 155-159.	0.6	38
34	Phagocytosis of Enterovirus-Infected Pancreatic Î²-Cells Triggers Innate Immune Responses in Human Dendritic Cells. <i>Diabetes</i> , 2010, 59, 1182-1191.	0.3	37
35	Bactrian camels shed large quantities of Middle East respiratory syndrome coronavirus (MERS-CoV) after experimental infection. <i>Emerging Microbes and Infections</i> , 2019, 8, 717-723.	3.0	37
36	Computational and molecular analysis of conserved influenza A virus RNA secondary structures involved in infectious virion production. <i>RNA Biology</i> , 2016, 13, 883-894.	1.5	36

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37	Doseâ€‘response and transmission: the nexus between reservoir hosts, environment and recipient hosts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190016.	1.8	30
38	ChAdOx1-vectored Lassa fever vaccine elicits a robust cellular and humoral immune response and protects guinea pigs against lethal Lassa virus challenge. <i>Npj Vaccines</i> , 2021, 6, 32.	2.9	30
39	Recovery from Acute SARS-CoV-2 Infection and Development of Anamnestic Immune Responses in T Cell-Depleted Rhesus Macaques. <i>MBio</i> , 2021, 12, e0150321.	1.8	28
40	A Single Amino Acid in the HA of pH1N1 2009 Influenza Virus Affects Cell Tropism in Human Airway Epithelium, but Not Transmission in Ferrets. <i>PLoS ONE</i> , 2011, 6, e25755.	1.1	28
41	The B.1.427/1.429 (epsilon) SARS-CoV-2 variants are more virulent than ancestral B.1 (614G) in Syrian hamsters. <i>PLoS Pathogens</i> , 2022, 18, e1009914.	2.1	26
42	The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. <i>Emerging Infectious Diseases</i> , 2016, 22, 323-6.	2.0	25
43	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. <i>Emerging Microbes and Infections</i> , 2021, 10, 1284-1292.	3.0	25
44	Ebola Laboratory Response at the Eternal Love Winning Africa Campus, Monrovia, Liberia, 2014â€‘2015. <i>Journal of Infectious Diseases</i> , 2016, 214, S169-S176.	1.9	24
45	Subtle differences in the pathogenicity of SARS-CoV-2 variants of concern B.1.1.7 and B.1.351 in rhesus macaques. <i>Science Advances</i> , 2021, 7, eabj3627.	4.7	24
46	SARS-Like Coronavirus WIV1-CoV Does Not Replicate in Egyptian Fruit Bats ( <i>Rousettus aegyptiacus</i> ). <i>Viruses</i> , 2018, 10, 727.	1.5	21
47	<i>Rousettus aegyptiacus</i> Bats Do Not Support Productive Nipah Virus Replication. <i>Journal of Infectious Diseases</i> , 2020, 221, S407-S413.	1.9	19
48	Age-related differences in immune dynamics during SARS-CoV-2 infection in rhesus macaques. <i>Life Science Alliance</i> , 2022, 5, e202101314.	1.3	18
49	SARS-CoV-2 vaccines: anamnestic response in previously infected recipients. <i>Cell Research</i> , 2021, 31, 827-828.	5.7	15
50	OraSure InteliSwabâ„¢ Rapid Antigen Test Performance with the SARS-CoV-2 Variants of Concernâ€‘Alpha, Beta, Gamma, Delta, and Omicron. <i>Viruses</i> , 2022, 14, 543.	1.5	14
51	Updated and Validated Pan-Coronavirus PCR Assay to Detect All Coronavirus Genera. <i>Viruses</i> , 2021, 13, 599.	1.5	13
52	Mapping the Specific Amino Acid Residues That Make Hamster DPP4 Functional as a Receptor for Middle East Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2016, 90, 5499-5502.	1.5	9
53	Middle East Respiratory Syndrome-Coronavirus Seropositive Bactrian Camels, Mongolia. <i>Vector-Borne and Zoonotic Diseases</i> , 2021, 21, 128-131.	0.6	8
54	Immunogenicity of Low-Dose Prime-Boost Vaccination of mRNA Vaccine CV07050101 in Non-Human Primates. <i>Viruses</i> , 2021, 13, 1645.	1.5	8

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55	Clinical Chemistry of Patients With Ebola in Monrovia, Liberia. <i>Journal of Infectious Diseases</i> , 2016, 214, S303-S307.	1.9	7
56	Surfaceâ€™Aerosol Stability and Pathogenicity of Diverse Middle East Respiratory Syndrome Coronavirus Strains, 2012â€™2018. <i>Emerging Infectious Diseases</i> , 2021, 27, 3052-3062.	2.0	6
57	A Novel Field-Deployable Method for Sequencing and Analyses of Henipavirus Genomes From Complex Samples on the MinION Platform. <i>Journal of Infectious Diseases</i> , 2020, 221, S383-S388.	1.9	5
58	Limited Genetic Diversity Detected in Middle East Respiratory Syndrome-Related Coronavirus Variants Circulating in Dromedary Camels in Jordan. <i>Viruses</i> , 2021, 13, 592.	1.5	5
59	Risk Factors for Middle East Respiratory Syndrome Coronavirus Infection among Camel Populations, Southern Jordan, 2014â€™2018. <i>Emerging Infectious Diseases</i> , 2021, 27, 2301-2311.	2.0	3