

# Emmie de Wit

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125  
papers

20,410  
citations

54  
h-index

133  
g-index

133  
ext. papers

25,020  
ext. citations

15  
avg, IF

7.4  
L-index

#	Paper	IF	Citations
125	Advances and gaps in SARS-CoV-2 infection models.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010161	7.6	13
124	Subcutaneous remdesivir administration prevents interstitial pneumonia in rhesus macaques inoculated with SARS-CoV-2.. <i>Antiviral Research</i> , <b>2022</b> , 105246	10.8	2
123	Mild SARS-CoV-2 infection in rhesus macaques is associated with viral control prior to antigen-specific T cell responses in tissues.. <i>Science Immunology</i> , <b>2022</b> , 7, eabo0535	28	1
122	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> , <b>2021</b> , 7, eabj3627	14.3	9
121	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7. <i>Nature Communications</i> , <b>2021</b> , 12, 5868	17.4	19
120	Year-long COVID-19 infection reveals within-host evolution of SARS-CoV-2 in a patient with B cell depletion <b>2021</b> ,		7
119	Reston virus causes severe respiratory disease in young domestic pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	6
118	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7 <b>2021</b> ,		13
117	Microbial signatures in the lower airways of mechanically ventilated COVID19 patients associated with poor clinical outcome <b>2021</b> ,		6
116	Subtle differences in the pathogenicity of SARS-CoV-2 variants of concern B.1.1.7 and B.1.351 in rhesus macaques <b>2021</b> ,		6
115	K18-hACE2 mice develop respiratory disease resembling severe COVID-19. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009195	7.6	96
114	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> , <b>2021</b> , 10, 1284-1292	18.9	13
113	Antigen-based multiplex strategies to discriminate SARS-CoV-2 natural and vaccine induced immunity from seasonal human coronavirus humoral responses <b>2021</b> ,		9
112	Microbial signatures in the lower airways of mechanically ventilated COVID-19 patients associated with poor clinical outcome. <i>Nature Microbiology</i> , <b>2021</b> , 6, 1245-1258	26.6	24
111	Disruption of the Golgi Apparatus and Contribution of the Endoplasmic Reticulum to the SARS-CoV-2 Replication Complex. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
110	Single-cell RNA sequencing reveals SARS-CoV-2 infection dynamics in lungs of African green monkeys. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	68
109	Histologic pulmonary lesions of SARS-CoV-2 in 4 nonhuman primate species: An institutional comparative review.. <i>Veterinary Pathology</i> , <b>2021</b> , 3009858211067468	2.8	2

108	Year-long COVID-19 infection reveals within-host evolution of SARS-CoV-2 in a patient with B cell depletion.. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	5
107	Case Study: Prolonged Infectious SARS-CoV-2 Shedding from an Asymptomatic Immunocompromised Individual with Cancer. <i>Cell</i> , <b>2020</b> , 183, 1901-1912.e9	56.2	344
106	Twenty Years of Nipah Virus Research: Where Do We Go From Here?. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 221, S359-S362	7	5
105	Aerosol and Surface Stability of SARS-CoV-2 as Compared with SARS-CoV-1. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 1564-1567	59.2	5145
104	Prophylactic and therapeutic remdesivir (GS-5734) treatment in the rhesus macaque model of MERS-CoV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6771-6776	11.5	587
103	The Global Phosphorylation Landscape of SARS-CoV-2 Infection. <i>Cell</i> , <b>2020</b> , 182, 685-712.e19	56.2	439
102	A Novel Coronavirus Emerging in China - Key Questions for Impact Assessment. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 692-694	59.2	798
101	Hydroxychloroquine prophylaxis and treatment is ineffective in macaque and hamster SARS-CoV-2 disease models. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	20
100	A betacoronavirus multiplex microsphere immunoassay detects early SARS-CoV-2 seroconversion and antibody cross reactions <b>2020</b> ,		3
99	Aerosol and surface stability of HCoV-19 (SARS-CoV-2) compared to SARS-CoV-1 <b>2020</b> ,		198
98	Respiratory disease and virus shedding in rhesus macaques inoculated with SARS-CoV-2 <b>2020</b> ,		60
97	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2 <b>2020</b> ,		54
96	ChAdOx1 nCoV-19 vaccination prevents SARS-CoV-2 pneumonia in rhesus macaques <b>2020</b> ,		137
95	Hydroxychloroquine Proves Ineffective in Hamsters and Macaques Infected with SARS-CoV-2 <b>2020</b> ,		16
94	K18-hACE2 mice develop respiratory disease resembling severe COVID-19 <b>2020</b> ,		18
93	SARS-CoV-2 infection dynamics in lungs of African green monkeys <b>2020</b> ,		8
92	A betacoronavirus multiplex microsphere immunoassay detects early SARS-CoV-2 seroconversion and controls for pre-existing seasonal human coronavirus antibody cross-reactivity <b>2020</b> ,		7
91	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> , <b>2020</b> , 221, S383-S388	7	2

90	ChAdOx1nCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques. <i>Nature</i> , <b>2020</b> , 586, 578-582	58.2	605
89	Animal models for COVID-19. <i>Nature</i> , <b>2020</b> , 586, 509-515	50.4	377
88	Nipah@20: Lessons Learned from Another Virus with Pandemic Potential. <i>MSphere</i> , <b>2020</b> , 5,	5	5
87	Next-generation vaccine platforms for COVID-19. <i>Nature Materials</i> , <b>2020</b> , 19, 810-812	27	172
86	Respiratory disease in rhesus macaques inoculated with SARS-CoV-2. <i>Nature</i> , <b>2020</b> , 585, 268-272	50.4	437
85	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2. <i>Nature</i> , <b>2020</b> , 585, 273-276	50.4	405
84	Emerging preclinical evidence does not support broad use of hydroxychloroquine in COVID-19 patients. <i>Nature Communications</i> , <b>2020</b> , 11, 4253	17.4	24
83	Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26,	10.2	123
82	Prophylactic efficacy of a human monoclonal antibody against MERS-CoV in the common marmoset. <i>Antiviral Research</i> , <b>2019</b> , 163, 70-74	10.8	8
81	Remdesivir (GS-5734) protects African green monkeys from Nipah virus challenge. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	108
80	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. <i>Viruses</i> , <b>2019</b> , 11,	6.2	54
79	Dose-response and transmission: the nexus between reservoir hosts, environment and recipient hosts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 374, 20190016	5.8	17
78	Onward transmission of viruses: how do viruses emerge to cause epidemics after spillover?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 374, 20190017	5.8	20
77	1918 H1N1 Influenza Virus Replicates and Induces Proinflammatory Cytokine Responses in Extrarespiratory Tissues of Ferrets. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 1237-1246	7	36
76	Transmission of henipaviruses. <i>Current Opinion in Virology</i> , <b>2018</b> , 28, 7-11	7.5	24
75	Pathogenicity and Viral Shedding of MERS-CoV in Immunocompromised Rhesus Macaques. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 205	8.4	34
74	Outbreaks in a Rapidly Changing Central Africa - Lessons from Ebola. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 1198-1201	59.2	42
73	Prophylactic and therapeutic efficacy of mAb treatment against MERS-CoV in common marmosets. <i>Antiviral Research</i> , <b>2018</b> , 156, 64-71	10.8	23

72	The Effect of Plasmodium on the Outcome of Ebola Virus Infection in a Mouse Model. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, S434-S437	7	2
71	Mini viral RNAs act as innate immune agonists during influenza virus infection. <i>Nature Microbiology</i> , <b>2018</b> , 3, 1234-1242	26.6	67
70	The vesicular stomatitis virus-based Ebola virus vaccine: From concept to clinical trials. <i>Human Vaccines and Immunotherapeutics</i> , <b>2018</b> , 14, 2107-2113	4.4	68
69	Sustained fecal-oral human-to-human transmission following a zoonotic event. <i>Current Opinion in Virology</i> , <b>2017</b> , 22, 1-6	7.5	26
68	Efficacy of antibody-based therapies against Middle East respiratory syndrome coronavirus (MERS-CoV) in common marmosets. <i>Antiviral Research</i> , <b>2017</b> , 143, 30-37	10.8	50
67	Dromedary camels in northern Mali have high seropositivity to MERS-CoV. <i>One Health</i> , <b>2017</b> , 3, 41-43	7.6	31
66	Reply to Colebunders. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 232	11.6	
65	Domestic Pig Unlikely Reservoir for MERS-CoV. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 985-988	10.2	17
64	Protective efficacy of a novel simian adenovirus vaccine against lethal MERS-CoV challenge in a transgenic human DPP4 mouse model. <i>Npj Vaccines</i> , <b>2017</b> , 2, 28	9.5	66
63	Plasmodium Parasitemia Associated With Increased Survival in Ebola Virus-Infected Patients. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1026-33	11.6	37
62	Replication and shedding of MERS-CoV in Jamaican fruit bats ( <i>Artibeus jamaicensis</i> ). <i>Scientific Reports</i> , <b>2016</b> , 6, 21878	4.9	96
61	Ebola Laboratory Response at the Eternal Love Winning Africa Campus, Monrovia, Liberia, 2014-2015. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, S169-S176	7	17
60	SARS and MERS: recent insights into emerging coronaviruses. <i>Nature Reviews Microbiology</i> , <b>2016</b> , 14, 523-34	22.2	2034
59	A Comparative Review of Animal Models of Middle East Respiratory Syndrome Coronavirus Infection. <i>Veterinary Pathology</i> , <b>2016</b> , 53, 521-31	2.8	26
58	An Acute Immune Response to Middle East Respiratory Syndrome Coronavirus Replication Contributes to Viral Pathogenicity. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 630-8	5.8	32
57	The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 323-6	10.2	21
56	Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 331-4	10.2	130
55	Identifying Early Target Cells of Nipah Virus Infection in Syrian Hamsters. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005120	4.8	11

54	Clinical Chemistry of Patients With Ebola in Monrovia, Liberia. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, S303-S307	7	7
53	Animal models of disease shed light on Nipah virus pathogenesis and transmission. <i>Journal of Pathology</i> , <b>2015</b> , 235, 196-205	9.4	36
52	Virology. Mutation rate and genotype variation of Ebola virus from Mali case sequences. <i>Science</i> , <b>2015</b> , 348, 117-9	33.3	106
51	Safety of recombinant VSV-Ebola virus vaccine vector in pigs. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 702-4	10.2	19
50	Molecular Evidence of Sexual Transmission of Ebola Virus. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 2448-54	59.2	302
49	Syrian hamsters ( <i>Mesocricetus auratus</i> ) oronasally inoculated with a Nipah virus isolate from Bangladesh or Malaysia develop similar respiratory tract lesions. <i>Veterinary Pathology</i> , <b>2015</b> , 52, 38-45	2.8	25
48	Birth and pathogenesis of rogue respiratory viruses. <i>Annual Review of Pathology: Mechanisms of Disease</i> , <b>2015</b> , 10, 449-71	34	2
47	Identification of amino acid substitutions supporting antigenic change of influenza A(H1N1)pdm09 viruses. <i>Journal of Virology</i> , <b>2015</b> , 89, 3763-75	6.6	59
46	Possible sexual transmission of Ebola virus - Liberia, 2015. <i>Morbidity and Mortality Weekly Report</i> , <b>2015</b> , 64, 479-81	31.7	121
45	Replication and shedding of MERS-CoV in upper respiratory tract of inoculated dromedary camels. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 1999-2005	10.2	189
44	Middle East respiratory syndrome coronavirus infection in dromedary camels in Saudi Arabia. <i>MBio</i> , <b>2014</b> , 5, e00884-14	7.8	296
43	Infection with MERS-CoV causes lethal pneumonia in the common marmoset. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004250	7.6	170
42	Foodborne transmission of nipah virus in Syrian hamsters. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004001	7.6	40
41	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. <i>MBio</i> , <b>2014</b> , 5,	7.8	192
40	Influenza virus A/Anhui/1/2013 (H7N9) replicates efficiently in the upper and lower respiratory tracts of cynomolgus macaques. <i>MBio</i> , <b>2014</b> , 5,	7.8	15
39	MERS-CoV: the intermediate host identified?. <i>Lancet Infectious Diseases</i> , <b>2013</b> , 13, 827-8	25.5	15
38	Treatment with interferon- $\beta$ and ribavirin improves outcome in MERS-CoV-infected rhesus macaques. <i>Nature Medicine</i> , <b>2013</b> , 19, 1313-7	50.5	357
37	Inhibition of novel $\beta$ coronavirus replication by a combination of interferon- $\beta$ and ribavirin. <i>Scientific Reports</i> , <b>2013</b> , 3, 1686	4.9	220

36	Comparison of the pathogenicity of Nipah virus isolates from Bangladesh and Malaysia in the Syrian hamster. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2024	4.8	46
35	Pneumonia from human coronavirus in a macaque model. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 1560-2	59.2	121
34	Middle East respiratory syndrome coronavirus (MERS-CoV) causes transient lower respiratory tract infection in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 16598-603	11.5	232
33	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
32	The immune response to Nipah virus infection. <i>Archives of Virology</i> , <b>2012</b> , 157, 1635-41	2.6	13
31	Airborne transmission of influenza A/H5N1 virus between ferrets. <i>Science</i> , <b>2012</b> , 336, 1534-41	33.3	1162
30	Rapid Nipah virus entry into the central nervous system of hamsters via the olfactory route. <i>Scientific Reports</i> , <b>2012</b> , 2, 736	4.9	68
29	Tackling Ebola: new insights into prophylactic and therapeutic intervention strategies. <i>Genome Medicine</i> , <b>2011</b> , 3, 5	14.4	17
28	Insertion of a multibasic cleavage site in the haemagglutinin of human influenza H3N2 virus does not increase pathogenicity in ferrets. <i>Journal of General Virology</i> , <b>2011</b> , 92, 1410-1415	4.9	25
27	Assessment of rodents as animal models for Reston ebolavirus. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204 Suppl 3, S968-72	7	21
26	Nipah virus transmission in a hamster model. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1432	4.8	43
25	Pandemic 2009 H1N1 influenza virus causes diffuse alveolar damage in cynomolgus macaques. <i>Veterinary Pathology</i> , <b>2010</b> , 47, 1040-7	2.8	31
24	Introduction of virulence markers in PB2 of pandemic swine-origin influenza virus does not result in enhanced virulence or transmission. <i>Journal of Virology</i> , <b>2010</b> , 84, 3752-8	6.6	118
23	In vitro assessment of attachment pattern and replication efficiency of H5N1 influenza A viruses with altered receptor specificity. <i>Journal of Virology</i> , <b>2010</b> , 84, 6825-33	6.6	120
22	Molecular determinants of adaptation of highly pathogenic avian influenza H7N7 viruses to efficient replication in the human host. <i>Journal of Virology</i> , <b>2010</b> , 84, 1597-606	6.6	125
21	Insertion of a multibasic cleavage motif into the hemagglutinin of a low-pathogenic avian influenza H6N1 virus induces a highly pathogenic phenotype. <i>Journal of Virology</i> , <b>2010</b> , 84, 7953-60	6.6	64
20	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. <i>Journal of Infectious Diseases</i> , <b>2010</b> , 201, 993-9	7	111
19	Seasonal and pandemic human influenza viruses attach better to human upper respiratory tract epithelium than avian influenza viruses. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 1614-8	5.8	127



18	Pathogenesis and transmission of swine-origin 2009 A(H1N1) influenza virus in ferrets. <i>Science</i> , <b>2009</b> , 325, 481-3	33.3	505
17	Practical considerations for high-throughput influenza A virus surveillance studies of wild birds by use of molecular diagnostic tests. <i>Journal of Clinical Microbiology</i> , <b>2009</b> , 47, 666-73	9.7	102
16	Emerging influenza. <i>Journal of Clinical Virology</i> , <b>2008</b> , 41, 1-6	14.5	66
15	Pathogenicity of highly pathogenic avian influenza virus in mammals. <i>Vaccine</i> , <b>2008</b> , 26 Suppl 4, D54-8	4.1	42
14	Rapid sequencing of the non-coding regions of influenza A virus. <i>Journal of Virological Methods</i> , <b>2007</b> , 139, 85-9	2.6	24
13	The molecular basis of the pathogenicity of the Dutch highly pathogenic human influenza A H7N7 viruses. <i>Journal of Infectious Diseases</i> , <b>2007</b> , 196, 258-65	7	125
12	A reverse-genetics system for Influenza A virus using T7 RNA polymerase. <i>Journal of General Virology</i> , <b>2007</b> , 88, 1281-1287	4.9	52
11	Human and avian influenza viruses target different cells in the lower respiratory tract of humans and other mammals. <i>American Journal of Pathology</i> , <b>2007</b> , 171, 1215-23	5.8	403
10	H5N1 Virus Attachment to Lower Respiratory Tract. <i>Science</i> , <b>2006</b> , 312, 399	33.3	503
9	Fitness costs limit escape from cytotoxic T lymphocytes by influenza A viruses. <i>Vaccine</i> , <b>2006</b> , 24, 6594-64.1	4.1	48
8	Evidence for specific packaging of the influenza A virus genome from conditionally defective virus particles lacking a polymerase gene. <i>Vaccine</i> , <b>2006</b> , 24, 6647-50	4.1	26
7	Protection of mice against lethal infection with highly pathogenic H7N7 influenza A virus by using a recombinant low-pathogenicity vaccine strain. <i>Journal of Virology</i> , <b>2005</b> , 79, 12401-7	6.6	73
6	Functional constraints of influenza A virus epitopes limit escape from cytotoxic T lymphocytes. <i>Journal of Virology</i> , <b>2005</b> , 79, 11239-46	6.6	79
5	Role of the pilot protein YscW in the biogenesis of the YscC secretin in <i>Yersinia enterocolitica</i> . <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 5366-75	3.5	74
4	Efficient generation and growth of influenza virus A/PR/8/34 from eight cDNA fragments. <i>Virus Research</i> , <b>2004</b> , 103, 155-61	6.4	142
3	SARS-CoV-2 infection and persistence throughout the human body and brain		14
2	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
1	Age-related differences in immune dynamics during SARS-CoV-2 infection in rhesus macaques		2



