Emmie de Wit

List of Publications by Year
in descending order

111 papers	28,122 citations	30551 56 h-index	25983 112 g-index
135 all docs	135 docs citations	135 times ranked	45381 citing authors

#	Article	IF	Citations
1	Advances and gaps in SARS-CoV-2 infection models. PLoS Pathogens, 2022, 18, e1010161.	2.1	61
2	Age-related differences in immune dynamics during SARS-CoV-2 infection in rhesus macaques. Life Science Alliance, 2022, 5, e202101314.	1.3	18
3	Subcutaneous remdesivir administration prevents interstitial pneumonia in rhesus macaques inoculated with SARS-CoV-2. Antiviral Research, 2022, 198, 105246.	1.9	2
4	Antiviral agents for the treatment of COVID-19: Progress and challenges. Cell Reports Medicine, 2022, 3, 100549.	3.3	33
5	Mild SARS-CoV-2 infection in rhesus macaques is associated with viral control prior to antigen-specific T cell responses in tissues. Science Immunology, 2022, 7, eabo0535.	5.6	17
6	Histologic pulmonary lesions of SARS-CoV-2 in 4 nonhuman primate species: An institutional comparative review. Veterinary Pathology, 2022, 59, 673-680.	0.8	19
7	Yearlong COVID-19 Infection Reveals Within-Host Evolution of SARS-CoV-2 in a Patient With B-Cell Depletion. Journal of Infectious Diseases, 2022, 225, 1118-1123.	1.9	62
8	Evaluation of viral load in patients with Ebola virus disease in Liberia: a retrospective observational study. Lancet Microbe, The, 2022, 3, e533-e542.	3.4	4
9	K18-hACE2 mice develop respiratory disease resembling severe COVID-19. PLoS Pathogens, 2021, 17, e1009195.	2.1	227
10	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.	3.0	25
11	Microbial signatures in the lower airways of mechanically ventilated COVID-19 patients associated with poor clinical outcome. Nature Microbiology, 2021, 6, 1245-1258.	5.9	101
12	Disruption of the Golgi Apparatus and Contribution of the Endoplasmic Reticulum to the SARS-CoV-2 Replication Complex. Viruses, 2021, 13, 1798.	1.5	22
13	Single-cell RNA sequencing reveals SARS-CoV-2 infection dynamics in lungs of African green monkeys. Science Translational Medicine, 2021, 13, .	5.8	146
14	Reston virus causes severe respiratory disease in young domestic pigs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
15	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.	4.7	24
16	ChAdOx1 nCoV-19 (AZD1222) protects Syrian hamsters against SARS-CoV-2 B.1.351 and B.1.1.7. Nature Communications, 2021, 12, 5868.	5.8	52
17	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.	1.9	5
18	ChAdOx1ÂnCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques. Nature, 2020, 586, 578-582.	13.7	840

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19	Animal models for COVID-19. Nature, 2020, 586, 509-515.	13.7	705
20	Nipah@20: Lessons Learned from Another Virus with Pandemic Potential. MSphere, 2020, 5, .	1.3	21
21	Next-generation vaccine platforms for COVID-19. Nature Materials, 2020, 19, 810-812.	13.3	276
22	Respiratory disease in rhesus macaques inoculated with SARS-CoV-2. Nature, 2020, 585, 268-272.	13.7	619
23	Clinical benefit of remdesivir in rhesus macaques infected with SARS-CoV-2. Nature, 2020, 585, 273-276.	13.7	592
24	Emerging preclinical evidence does not support broad use of hydroxychloroquine in COVID-19 patients. Nature Communications, 2020, 11, 4253.	5.8	43
25	Effectiveness of N95 Respirator Decontamination and Reuse against SARS-CoV-2 Virus. Emerging Infectious Diseases, 2020, 26, 2253-2255.	2.0	200
26	Case Study: Prolonged Infectious SARS-CoV-2 Shedding from an Asymptomatic Immunocompromised Individual with Cancer. Cell, 2020, 183, 1901-1912.e9.	13.5	618
27	Twenty Years of Nipah Virus Research: Where Do We Go From Here?. Journal of Infectious Diseases, 2020, 221, S359-S362.	1.9	15
28	Aerosol and Surface Stability of SARS-CoV-2 as Compared with SARS-CoV-1. New England Journal of Medicine, 2020, 382, 1564-1567.	13.9	7,369
29	Prophylactic and therapeutic remdesivir (GS-5734) treatment in the rhesus macaque model of MERS-CoV infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6771-6776.	3.3	735
30	The Global Phosphorylation Landscape of SARS-CoV-2 Infection. Cell, 2020, 182, 685-712.e19.	13.5	825
31	A Novel Coronavirus Emerging in China â€" Key Questions for Impact Assessment. New England Journal of Medicine, 2020, 382, 692-694.	13.9	1,104
32	Hydroxychloroquine prophylaxis and treatment is ineffective in macaque and hamster SARS-CoV-2 disease models. JCI Insight, 2020, 5, .	2.3	35
33	Doseâ€"response and transmission: the nexus between reservoir hosts, environment and recipient hosts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190016.	1.8	30
34	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.	1.8	41
35	Prophylactic efficacy of a human monoclonal antibody against MERS-CoV in the common marmoset. Antiviral Research, 2019, 163, 70-74.	1.9	8
36	Remdesivir (GS-5734) protects African green monkeys from Nipah virus challenge. Science Translational Medicine, 2019, 11, .	5.8	166

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37	Efficacy of an Adjuvanted Middle East Respiratory Syndrome Coronavirus Spike Protein Vaccine in Dromedary Camels and Alpacas. Viruses, 2019, 11, 212.	1.5	75
38	1918 H1N1 Influenza Virus Replicates and Induces Proinflammatory Cytokine Responses in Extrarespiratory Tissues of Ferrets. Journal of Infectious Diseases, 2018, 217, 1237-1246.	1.9	49
39	Transmission of henipaviruses. Current Opinion in Virology, 2018, 28, 7-11.	2.6	41
40	Mini viral RNAs act as innate immune agonists during influenza virus infection. Nature Microbiology, 2018, 3, 1234-1242.	5.9	96
41	The vesicular stomatitis virus-based Ebola virus vaccine: From concept to clinical trials. Human Vaccines and Immunotherapeutics, 2018, 14, 2107-2113.	1.4	107
42	Pathogenicity and Viral Shedding of MERS-CoV in Immunocompromised Rhesus Macaques. Frontiers in Immunology, 2018, 9, 205.	2.2	41
43	Outbreaks in a Rapidly Changing Central Africa â€" Lessons from Ebola. New England Journal of Medicine, 2018, 379, 1198-1201.	13.9	56
44	Prophylactic and therapeutic efficacy of mAb treatment against MERS-CoV in common marmosets. Antiviral Research, 2018, 156, 64-71.	1.9	26
45	The Effect of Plasmodium on the Outcome of Ebola Virus Infection in a Mouse Model. Journal of Infectious Diseases, 2018, 218, S434-S437.	1.9	3
46	Sustained fecal-oral human-to-human transmission following a zoonotic event. Current Opinion in Virology, 2017, 22, 1-6.	2.6	46
47	Efficacy of antibody-based therapies against Middle East respiratory syndrome coronavirus (MERS-CoV) in common marmosets. Antiviral Research, 2017, 143, 30-37.	1.9	56
48	Dromedary camels in northern Mali have high seropositivity to MERS-CoV. One Health, 2017, 3, 41-43.	1.5	37
49	Reply to Colebunders. Clinical Infectious Diseases, 2017, 64, 232.2-232.	2.9	0
50	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.	2.9	81
51	Domestic Pig Unlikely Reservoir for MERS-CoV. Emerging Infectious Diseases, 2017, 23, 985-988.	2.0	18
52	The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. Emerging Infectious Diseases, 2016, 22, 323-6.	2.0	25
53	Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. Emerging Infectious Diseases, 2016, 22, 331-4.	2.0	175
54	Identifying Early Target Cells of Nipah Virus Infection in Syrian Hamsters. PLoS Neglected Tropical Diseases, 2016, 10, e0005120.	1.3	23

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55	Clinical Chemistry of Patients With Ebola in Monrovia, Liberia. Journal of Infectious Diseases, 2016, 214, S303-S307.	1.9	7
56	PlasmodiumParasitemia Associated With Increased Survival in Ebola Virusâ€“Infected Patients. Clinical Infectious Diseases, 2016, 63, 1026-1033.	2.9	42
57	Replication and shedding of MERS-CoV in Jamaican fruit bats (Artibeus jamaicensis). Scientific Reports, 2016, 6, 21878.	1.6	138
58	Ebola Laboratory Response at the Eternal Love Winning Africa Campus, Monrovia, Liberia, 2014â€“2015. Journal of Infectious Diseases, 2016, 214, S169-S176.	1.9	24
59	SARS and MERS: recent insights into emerging coronaviruses. Nature Reviews Microbiology, 2016, 14, 523-534.	13.6	2,752
60	A Comparative Review of Animal Models of Middle East Respiratory Syndrome Coronavirus Infection. Veterinary Pathology, 2016, 53, 521-531.	0.8	27
61	An Acute Immune Response to Middle East Respiratory Syndrome Coronavirus Replication Contributes to Viral Pathogenicity. American Journal of Pathology, 2016, 186, 630-638.	1.9	35
62	Syrian Hamsters (<i>Mesocricetus auratus</i>) Oronasally Inoculated With a Nipah Virus Isolate From Bangladesh or Malaysia Develop Similar Respiratory Tract Lesions. Veterinary Pathology, 2015, 52, 38-45.	0.8	32
63	Birth and Pathogenesis of Rogue Respiratory Viruses. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 449-471.	9.6	3
64	Identification of Amino Acid Substitutions Supporting Antigenic Change of Influenza A(H1N1)pdm09 Viruses. Journal of Virology, 2015, 89, 3763-3775.	1.5	73
65	Animal models of disease shed light on Nipah virus pathogenesis and transmission. Journal of Pathology, 2015, 235, 196-205.	2.1	58
66	Mutation rate and genotype variation of Ebola virus from Mali case sequences. Science, 2015, 348, 117-119.	6.0	127
67	Safety of Recombinant VSVâ€“Ebola Virus Vaccine Vector in Pigs. Emerging Infectious Diseases, 2015, 21, 702-704.	2.0	27
68	Molecular Evidence of Sexual Transmission of Ebola Virus. New England Journal of Medicine, 2015, 373, 2448-2454.	13.9	380
69	Possible sexual transmission of Ebola virus - Liberia, 2015. Morbidity and Mortality Weekly Report, 2015, 64, 479-81.	9.0	132
70	Replication and Shedding of MERS-CoV in Upper Respiratory Tract of Inoculated Dromedary Camels. Emerging Infectious Diseases, 2014, 20, 1999-2005.	2.0	233
71	Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. MBio, 2014, 5, e00884-14.	1.8	359
72	Infection with MERS-CoV Causes Lethal Pneumonia in the Common Marmoset. PLoS Pathogens, 2014, 10, e1004250.	2.1	186

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73	Foodborne Transmission of Nipah Virus in Syrian Hamsters. PLoS Pathogens, 2014, 10, e1004001.	2.1	56
74	Correction to Middle East Respiratory Syndrome Coronavirus Infection in Dromedary Camels in Saudi Arabia. MBio, 2014, 5, .	1.8	209
75	Influenza Virus A/Anhui/1/2013 (H7N9) Replicates Efficiently in the Upper and Lower Respiratory Tracts of Cynomolgus Macaques. MBio, 2014, 5, .	1.8	23
76	MERS-CoV: the intermediate host identified?. Lancet Infectious Diseases, The, 2013, 13, 827-828.	4.6	16
77	Treatment with interferon-Î±2b and ribavirin improves outcome in MERS-CoVâ€"infected rhesus macaques. Nature Medicine, 2013, 19, 1313-1317.	15.2	412
78	Inhibition of novel Î² coronavirus replication by a combination of interferon-Î±2b and ribavirin. Scientific Reports, 2013, 3, 1686.	1.6	250
79	Comparison of the Pathogenicity of Nipah Virus Isolates from Bangladesh and Malaysia in the Syrian Hamster. PLoS Neglected Tropical Diseases, 2013, 7, e2024.	1.3	71
80	Pneumonia from Human Coronavirus in a Macaque Model. New England Journal of Medicine, 2013, 368, 1560-1562.	13.9	126
81	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, 16598-16603.	3.3	264
82	The Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Does Not Replicate in Syrian Hamsters. PLoS ONE, 2013, 8, e69127.	1.1	114
83	Rapid Nipah virus entry into the central nervous system of hamsters via the olfactory route. Scientific Reports, 2012, 2, 736.	1.6	93
84	The immune response to Nipah virus infection. Archives of Virology, 2012, 157, 1635-1641.	0.9	19
85	Airborne Transmission of Influenza A/H5N1 Virus Between Ferrets. Science, 2012, 336, 1534-1541.	6.0	1,416
86	Tackling Ebola: new insights into prophylactic and therapeutic intervention strategies. Genome Medicine, 2011, 3, 5.	3.6	20
87	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.	1.3	32
88	Assessment of Rodents as Animal Models for Reston Ebolavirus. Journal of Infectious Diseases, 2011, 204, S968-S972.	1.9	22
89	Nipah Virus Transmission in a Hamster Model. PLoS Neglected Tropical Diseases, 2011, 5, e1432.	1.3	55
90	Pandemic 2009 H1N1 Influenza Virus Causes Diffuse Alveolar Damage in Cynomolgus Macaques. Veterinary Pathology, 2010, 47, 1040-1047.	0.8	34

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91	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, 3752-3758.	1.5	126
92	<i>In Vitro</i> Assessment of Attachment Pattern and Replication Efficiency of H5N1 Influenza A Viruses with Altered Receptor Specificity. Journal of Virology, 2010, 84, 6825-6833.	1.5	146
93	Molecular Determinants of Adaptation of Highly Pathogenic Avian Influenza H7N7 Viruses to Efficient Replication in the Human Host. Journal of Virology, 2010, 84, 1597-1606.	1.5	148
94	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, 7953-7960.	1.5	73
95	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, 993-999.	1.9	121
96	Seasonal and Pandemic Human Influenza Viruses Attach Better to Human Upper Respiratory Tract Epithelium than Avian Influenza Viruses. American Journal of Pathology, 2010, 176, 1614-1618.	1.9	146
97	Pathogenesis and Transmission of Swine-Origin 2009 A(H1N1) Influenza Virus in Ferrets. Science, 2009, 325, 481-483.	6.0	544
98	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, 666-673.	1.8	126
99	Emerging influenza. Journal of Clinical Virology, 2008, 41, 1-6.	1.6	72
100	Pathogenicity of highly pathogenic avian influenza virus in mammals. Vaccine, 2008, 26, D54-D58.	1.7	48
101	The Molecular Basis of the Pathogenicity of the Dutch Highly Pathogenic Human Influenza A H7N7 Viruses. Journal of Infectious Diseases, 2007, 196, 258-265.	1.9	129
102	A reverse-genetics system for Influenza A virus using T7 RNA polymerase. Journal of General Virology, 2007, 88, 1281-1287.	1.3	61
103	Human and Avian Influenza Viruses Target Different Cells in the Lower Respiratory Tract of Humans and Other Mammals. American Journal of Pathology, 2007, 171, 1215-1223.	1.9	473
104	Rapid sequencing of the non-coding regions of influenza A virus. Journal of Virological Methods, 2007, 139, 85-89.	1.0	24
105	Fitness costs limit escape from cytotoxic T lymphocytes by influenza A viruses. Vaccine, 2006, 24, 6594-6596.	1.7	67
106	Evidence for specific packaging of the influenza A virus genome from conditionally defective virus particles lacking a polymerase gene. Vaccine, 2006, 24, 6647-6650.	1.7	29
107	H5N1 Virus Attachment to Lower Respiratory Tract. Science, 2006, 312, 399-399.	6.0	573
108	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, 12401-12407.	1.5	76

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109	Functional Constraints of Influenza A Virus Epitopes Limit Escape from Cytotoxic T Lymphocytes. Journal of Virology, 2005, 79, 11239-11246.	1.5	89
110	Role of the Pilot Protein YscW in the Biogenesis of the YscC Secretin in Yersinia enterocolitica. Journal of Bacteriology, 2004, 186, 5366-5375.	1.0	80
111	Efficient generation and growth of influenza virus A/PR/8/34 from eight cDNA fragments. Virus Research, 2004, 103, 155-161.	1.1	171