

Chantal B F Vogels

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

10,150
citations

94269

37
h-index

133063

59
g-index

97
all docs

97
docs citations

97
times ranked

20530
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal analyses reveal immunological misfiring in severe COVID-19. <i>Nature</i> , 2020, 584, 463-469.	13.7	1,710
2	Sex differences in immune responses that underlie COVID-19 disease outcomes. <i>Nature</i> , 2020, 588, 315-320.	13.7	1,035
3	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , 2020, 383, 1283-1286.	13.9	823
4	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RT-qPCR primer-probe sets. <i>Nature Microbiology</i> , 2020, 5, 1299-1305.	5.9	661
5	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , 2021, 595, 283-288.	13.7	619
6	SARS-CoV-2 infection of the placenta. <i>Journal of Clinical Investigation</i> , 2020, 130, 4947-4953.	3.9	387
7	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , 2020, 181, 990-996.e5.	13.5	321
8	Neutralizing antibodies against the SARS-CoV-2 Delta and Omicron variants following heterologous CoronaVac plus BNT162b2 booster vaccination. <i>Nature Medicine</i> , 2022, 28, 481-485.	15.2	316
9	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. <i>Med</i> , 2021, 2, 263-280.e6.	2.2	211
10	Multiplex qPCR discriminates variants of concern to enhance global surveillance of SARS-CoV-2. <i>PLoS Biology</i> , 2021, 19, e3001236.	2.6	200
11	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. <i>Nature</i> , 2021, 600, 523-529.	13.7	194
12	Delayed production of neutralizing antibodies correlates with fatal COVID-19. <i>Nature Medicine</i> , 2021, 27, 1178-1186.	15.2	183
13	Viral dynamics of acute SARS-CoV-2 infection and applications to diagnostic and public health strategies. <i>PLoS Biology</i> , 2021, 19, e3001333.	2.6	133
14	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. <i>Med</i> , 2021, 2, 591-610.e10.	2.2	122
15	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. <i>Cell Reports Medicine</i> , 2021, 2, 100288.	3.3	121
16	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. <i>Cell</i> , 2021, 184, 2595-2604.e13.	13.5	113
17	Mosquito co-infection with Zika and chikungunya virus allows simultaneous transmission without affecting vector competence of <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005654.	1.3	110
18	Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19. <i>BMC Neurology</i> , 2020, 20, 248.	0.8	108

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19	Arbovirus coinfection and co-transmission: A neglected public health concern?. PLoS Biology, 2019, 17, e3000130.	2.6	106
20	Comparative Usutu and West Nile virus transmission potential by local Culex pipiens mosquitoes in north-western Europe. One Health, 2015, 1, 31-36.	1.5	103
21	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA. Cell Reports Medicine, 2022, 3, 100583.	3.3	101
22	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. Nature Communications, 2022, 13, 440.	5.8	100
23	Noncoding Subgenomic Flavivirus RNA Is Processed by the Mosquito RNA Interference Machinery and Determines West Nile Virus Transmission by Culex pipiens Mosquitoes. Journal of Virology, 2016, 90, 10145-10159.	1.5	99
24	A satellite repeat-derived piRNA controls embryonic development of Aedes. Nature, 2020, 580, 274-277.	13.7	90
25	Vector competence of northern European Culex pipiens biotypes and hybrids for West Nile virus is differentially affected by temperature. Parasites and Vectors, 2016, 9, 393.	1.0	88
26	Twenty years of West Nile virus spread and evolution in the Americas visualized by Nextstrain. PLoS Pathogens, 2019, 15, e1008042.	2.1	87
27	Vector competence of European mosquitoes for West Nile virus. Emerging Microbes and Infections, 2017, 6, 1-13.	3.0	85
28	Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic. Cell, 2019, 178, 1057-1071.e11.	13.5	68
29	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR. PLoS Biology, 2020, 18, e3000867.	2.6	64
30	Stability of SARS-CoV-2 RNA in Nonsupplemented Saliva. Emerging Infectious Diseases, 2021, 27, 1146-1150.	2.0	61
31	Subgenomic flavivirus RNA binds the mosquito DEAD/H-box helicase ME31B and determines Zika virus transmission by <i>Aedes aegypti</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19136-19144.	3.3	60
32	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. Med, 2022, 3, 325-334.e4.	2.2	60
33	West Nile Virus: High Transmission Rate in North-Western European Mosquitoes Indicates Its Epidemic Potential and Warrants Increased Surveillance. PLoS Neglected Tropical Diseases, 2015, 9, e0003956.	1.3	55
34	Modelling West Nile virus transmission risk in Europe: effect of temperature and mosquito biotypes on the basic reproduction number. Scientific Reports, 2017, 7, 5022.	1.6	50
35	Effect of overwintering on survival and vector competence of the West Nile virus vector Culex pipiens. Parasites and Vectors, 2019, 12, 147.	1.0	47
36	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. Journal of Experimental Medicine, 2022, 219, .	4.2	46

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37	MOG-associated encephalitis following SARS-COV-2 infection. Multiple Sclerosis and Related Disorders, 2021, 50, 102857.	0.9	45
38	Winter Activity and Aboveground Hybridization Between the Two Biotypes of the West Nile Virus Vector <i>Culex pipiens</i> . Vector-Borne and Zoonotic Diseases, 2015, 15, 619-626.	0.6	44
39	Transmission of Rift Valley fever virus from European-breed lambs to <i>Culex pipiens</i> mosquitoes. PLoS Neglected Tropical Diseases, 2017, 11, e0006145.	1.3	42
40	An assessment of the terrestrial mammal communities in forests of Central Panama, using camera-trap surveys. Journal for Nature Conservation, 2015, 26, 28-35.	0.8	40
41	Virus interferes with host-seeking behaviour of mosquito. Journal of Experimental Biology, 2017, 220, 3598-3603.	0.8	33
42	Vector competence of northern and southern European <i>Culex pipiens pipiens</i> mosquitoes for West Nile virus across a gradient of temperatures. Medical and Veterinary Entomology, 2017, 31, 358-364.	0.7	30
43	The invasive Asian bush mosquito <i>Aedes japonicus</i> found in the Netherlands can experimentally transmit Zika virus and Usutu virus. PLoS Neglected Tropical Diseases, 2020, 14, e0008217.	1.3	30
44	Latitudinal Diversity of <i>Culex pipiens</i> Biotypes and Hybrids in Farm, Peri-Urban, and Wetland Habitats in Europe. PLoS ONE, 2016, 11, e0166959.	1.1	24
45	Assessment of Clinical Effectiveness of BNT162b2 COVID-19 Vaccine in US Adolescents. JAMA Network Open, 2022, 5, e220935.	2.8	20
46	Impact of Gut Bacteria on the Infection and Transmission of Pathogenic Arboviruses by Biting Midges and Mosquitoes. Microbial Ecology, 2020, 80, 703-717.	1.4	19
47	Conserved motifs in the hypervariable domain of chikungunya virus nsP3 required for transmission by <i>Aedes aegypti</i> mosquitoes. PLoS Neglected Tropical Diseases, 2018, 12, e0006958.	1.3	17
48	Reproducing the Rift Valley fever virus mosquito-lamb-mosquito transmission cycle. Scientific Reports, 2021, 11, 1477.	1.6	17
49	Real-time public health communication of local SARS-CoV-2 genomic epidemiology. PLoS Biology, 2020, 18, e3000869.	2.6	15
50	Vector competence of biting midges and mosquitoes for Shuni virus. PLoS Neglected Tropical Diseases, 2018, 12, e0006993.	1.3	11
51	Fitness consequences of larval exposure to <i>Beauveria bassiana</i> on adults of the malaria vector <i>Anopheles stephensi</i> . Journal of Invertebrate Pathology, 2014, 119, 19-24.	1.5	9
52	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota. Communications Biology, 2022, 5, 439.	2.0	9
53	Vector competence of biting midges and mosquitoes for Shuni virus. PLoS Neglected Tropical Diseases, 2019, 13, e0006609.	1.3	7
54	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. Journal of Infectious Diseases, 2022, 225, 374-384.	1.9	7

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55	COVID-19 Outcomes and Genomic Characterization of SARS-CoV-2 Isolated From Veterans in New England States: Retrospective Analysis. <i>Jmirx Med</i> , 2021, 2, e31503.	0.2	5
56	Forced Zika Virus Infection of <i>Culex pipiens</i> Leads to Limited Virus Accumulation in Mosquito Saliva. <i>Viruses</i> , 2020, 12, 659.	1.5	4
57	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. <i>Nature</i> , 2021, 597, E10-E11.	13.7	4
58	Sequencing SARS-CoV-2 genomes from saliva. <i>Virus Evolution</i> , 2022, 8, veab098.	2.2	4
59	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
60	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
61	Authors' Response to Peer Reviews of "COVID-19 Outcomes and Genomic Characterization of SARS-CoV-2 Isolated From Veterans in New England States: Retrospective Analysis" <i>Jmirx Med</i> , 2021, 2, e35515.	0.2	0
62	301. Detection of Pneumococcal Pneumonia During SARS-CoV-2 Infection. <i>Open Forum Infectious Diseases</i> , 2021, 8, S257-S257.	0.4	0
63	362. Saliva as a Reliable Sample Type for Mass SARS-CoV-2 Testing Strategies. <i>Open Forum Infectious Diseases</i> , 2021, 8, S284-S284.	0.4	0