

# Chantal B F Vogels

## List of Publications by Citations

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88

papers

5,260

citations

35

h-index

72

g-index

97

ext. papers

8,196

ext. citations

16.8

avg, IF

5.33

L-index

#	Paper	IF	Citations
88	Longitudinal analyses reveal immunological misfiring in severe COVID-19. <i>Nature</i> , <b>2020</b> , 584, 463-469	50.4	901
87	Sex differences in immune responses that underlie COVID-19 disease outcomes. <i>Nature</i> , <b>2020</b> , 588, 315-320	50.4	556
86	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1283-1286	59.2	507
85	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RT-qPCR primer-probe sets. <i>Nature Microbiology</i> , <b>2020</b> , 5, 1299-1305	26.6	380
84	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , <b>2020</b> , 181, 990-996.e5	56.2	235
83	SARS-CoV-2 infection of the placenta. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 4947-4953	15.9	230
82	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , <b>2021</b> , 595, 283-288	50.4	199
81	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. <i>Med</i> , <b>2021</b> , 2, 263-280.e6	31.7	110
80	Saliva is more sensitive for SARS-CoV-2 detection in COVID-19 patients than nasopharyngeal swabs		97
79	Multiplex qPCR discriminates variants of concern to enhance global surveillance of SARS-CoV-2. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001236	9.7	85
78	Noncoding Subgenomic Flavivirus RNA Is Processed by the Mosquito RNA Interference Machinery and Determines West Nile Virus Transmission by Culex pipiens Mosquitoes. <i>Journal of Virology</i> , <b>2016</b> , 90, 10145-10159	6.6	82
77	Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19. <i>BMC Neurology</i> , <b>2020</b> , 20, 248	3.1	78
76	Mosquito co-infection with Zika and chikungunya virus allows simultaneous transmission without affecting vector competence of Aedes aegypti. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005654	4.8	76
75	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. <i>Nature</i> , <b>2021</b> ,	50.4	71
74	Comparative Usutu and West Nile virus transmission potential by local mosquitoes in north-western Europe. <i>One Health</i> , <b>2015</b> , 1, 31-36	7.6	69
73	Diverse Functional Autoantibodies in Patients with COVID-19 <b>2021</b> ,		65
72	Delayed production of neutralizing antibodies correlates with fatal COVID-19. <i>Nature Medicine</i> , <b>2021</b> , 27, 1178-1186	50.5	65

71	Arbovirus coinfection and co-transmission: A neglected public health concern?. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000130	9.7	63
70	A satellite repeat-derived piRNA controls embryonic development of Aedes. <i>Nature</i> , <b>2020</b> , 580, 274-277	50.4	60
69	Vector competence of northern European Culex pipiens biotypes and hybrids for West Nile virus is differentially affected by temperature. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 393	4	60
68	Neutralizing antibodies against the SARS-CoV-2 Delta and Omicron variants following heterologous CoronaVac plus BNT162b2 booster vaccination.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	57
67	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. <i>Cell</i> , <b>2021</b> , 184, 2595-2604.e13	56.2	55
66	Vector competence of European mosquitoes for West Nile virus. <i>Emerging Microbes and Infections</i> , <b>2017</b> , 6, e96	18.9	51
65	Analytical sensitivity and efficiency comparisons of SARS-COV-2 qRT-PCR primer-probe sets		51
64	Viral dynamics of acute SARS-CoV-2 infection		51
63	Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic. <i>Cell</i> , <b>2019</b> , 178, 1057-1071.e11	56.2	45
62	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. <i>Med</i> , <b>2021</b> , 2, 591-610.e10	31.7	43
61	Twenty years of West Nile virus spread and evolution in the Americas visualized by Nextstrain. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1008042	7.6	42
60	West Nile Virus: High Transmission Rate in North-Western European Mosquitoes Indicates Its Epidemic Potential and Warrants Increased Surveillance. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003956	18.8	42
59	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity		42
58	Saliva viral load is a dynamic unifying correlate of COVID-19 severity and mortality <b>2021</b> ,		41
57	Viral dynamics of acute SARS-CoV-2 infection and applications to diagnostic and public health strategies. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001333	9.7	40
56	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100288	18	39
55	Simply saliva: stability of SARS-CoV-2 detection negates the need for expensive collection devices <b>2020</b> ,		38
54	Sex differences in immune responses to SARS-CoV-2 that underlie disease outcomes <b>2020</b> ,		35

53	Subgenomic flavivirus RNA binds the mosquito DEAD/H-box helicase ME31B and determines Zika virus transmission by. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19136-19144	11.5	33
52	Kinetics of antibody responses dictate COVID-19 outcome <b>2020</b> ,		31
51	An assessment of the terrestrial mammal communities in forests of Central Panama, using camera-trap surveys. <i>Journal for Nature Conservation</i> , <b>2015</b> , 26, 28-35	2.3	30
50	Modelling West Nile virus transmission risk in Europe: effect of temperature and mosquito biotypes on the basic reproduction number. <i>Scientific Reports</i> , <b>2017</b> , 7, 5022	4.9	30
49	Transmission of Rift Valley Fever virus from European-breed lambs to <i>Culex pipiens</i> mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0006145	4.8	28
48	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000867	9.7	28
47	Winter Activity and Aboveground Hybridization Between the Two Biotypes of the West Nile Virus Vector <i>Culex pipiens</i> . <i>Vector-Borne and Zoonotic Diseases</i> , <b>2015</b> , 15, 619-26	2.4	26
46	Pooling saliva to increase SARS-CoV-2 testing capacity <b>2020</b> ,		26
45	Vector competence of northern and southern European <i>Culex pipiens pipiens</i> mosquitoes for West Nile virus across a gradient of temperatures. <i>Medical and Veterinary Entomology</i> , <b>2017</b> , 31, 358-364	2.4	24
44	Effect of overwintering on survival and vector competence of the West Nile virus vector <i>Culex pipiens</i> . <i>Parasites and Vectors</i> , <b>2019</b> , 12, 147	4	23
43	Stability of SARS-CoV-2 RNA in Nonsupplemented Saliva. <i>Emerging Infectious Diseases</i> , <b>2021</b> , 27, 1146-1150	15.02	21
42	Virus interferes with host-seeking behaviour of mosquito. <i>Journal of Experimental Biology</i> , <b>2017</b> , 220, 3598-3603	3	19
41	MOG-associated encephalitis following SARS-COV-2 infection. <i>Multiple Sclerosis and Related Disorders</i> , <b>2021</b> , 50, 102857	4	17
40	Latitudinal Diversity of <i>Culex pipiens</i> Biotypes and Hybrids in Farm, Peri-Urban, and Wetland Habitats in Europe. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166959	3.7	17
39	The invasive Asian bush mosquito <i>Aedes japonicus</i> found in the Netherlands can experimentally transmit Zika virus and Usutu virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008217	4.8	15
38	PCR assay to enhance global surveillance for SARS-CoV-2 variants of concern <b>2021</b> ,		15
37	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA <b>2021</b> ,		14
36	Longitudinal immunological analyses reveal inflammatory misfiring in severe COVID-19 patients		14

35	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19.. <i>Nature Communications</i> , <b>2022</b> , 13, 440	17.4	13
34	Exploratory neuroimmune profiling identifies CNS-specific alterations in COVID-19 patients with neurological involvement <b>2020</b> ,		12
33	Real-time public health communication of local SARS-CoV-2 genomic epidemiology. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000869	9.7	12
32	Conserved motifs in the hypervariable domain of chikungunya virus nsP3 required for transmission by <i>Aedes aegypti</i> mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006958	4.8	12
31	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	11
30	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity in uninfected and previously infected individuals		11
29	Immunogenicity of heterologous BNT162b2 booster in fully vaccinated individuals with CoronaVac against SARS-CoV-2 variants Delta and Omicron: the Dominican Republic Experience		10
28	SARS-CoV-2 infection in pregnancy is associated with robust inflammatory response at the maternal-fetal interface <b>2021</b> ,		10
27	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons.. <i>Med</i> , <b>2022</b> ,	31.7	10
26	Impact of Gut Bacteria on the Infection and Transmission of Pathogenic Arboviruses by Biting Midges and Mosquitoes. <i>Microbial Ecology</i> , <b>2020</b> , 80, 703-717	4.4	9
25	Early introductions and community transmission of SARS-CoV-2 variant B.1.1.7 in the United States <b>2021</b> ,		9
24	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100583	18	9
23	Vector competence of biting midges and mosquitoes for Shuni virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006993	4.8	7
22	Fitness consequences of larval exposure to <i>Beauveria bassiana</i> on adults of the malaria vector <i>Anopheles stephensi</i> . <i>Journal of Invertebrate Pathology</i> , <b>2014</b> , 119, 19-24	2.6	6
21	A stem-loop RNA RIG-I agonist confers prophylactic and therapeutic protection against acute and chronic SARS-CoV-2 infection in mice <b>2021</b> ,		5
20	Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	4
19	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 lineages <b>2021</b> ,		4
18	Vector competence of biting midges and mosquitoes for Shuni virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0006609	4.8	3

17	An ancient satellite repeat controls gene expression and embryonic development in <i>Aedes aegypti</i> through a highly conserved piRNA		3
16	COVID-19 Outcomes and Genomic Characterization of SARS-CoV-2 Isolated From Veterans in New England States: Retrospective Analysis.. <i>Jmirx Med</i> , <b>2021</b> , 2, e31503	0.2	3
15	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR		3
14	Long SARS-CoV-2 nucleocapsid sequences in blood monocytes collected soon after hospital admission		3
13	Variant abundance estimation for SARS-CoV-2 in wastewater using RNA-Seq quantification <b>2021</b> ,		3
12	Reproducing the Rift Valley fever virus mosquito-lamb-mosquito transmission cycle. <i>Scientific Reports</i> , <b>2021</b> , 11, 1477	4.9	3
11	Forced Zika Virus Infection of Leads to Limited Virus Accumulation in Mosquito Saliva. <i>Viruses</i> , <b>2020</b> , 12,	6.2	2
10	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons		2
9	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient <b>2021</b> ,		2
8	Assessment of Clinical Effectiveness of BNT162b2 COVID-19 Vaccine in US Adolescents.. <i>JAMA Network Open</i> , <b>2022</b> , 5, e220935	10.4	2
7	Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient <b>2021</b> ,		1
6	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. <i>Nature</i> , <b>2021</b> , 597, E10-E11	50.4	1
5	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota.. <i>Communications Biology</i> , <b>2022</b> , 5, 439	6.7	1
4	Sequencing SARS-CoV-2 genomes from saliva.. <i>Virus Evolution</i> , <b>2022</b> , 8, veab098	3.7	0
3	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> , <b>2021</b> , 2, e35515	0.2	
2	301. Detection of Pneumococcal Pneumonia During SARS-CoV-2 Infection. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, S257-S257		1
1	362. Saliva as a Reliable Sample Type for Mass SARS-CoV-2 Testing Strategies. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, S284-S284		1