Shelby L O connor

List of Publications by Year in Descending Order

65 papers	1,740 citations	21 h-index	41 g-index
78 ext. papers	2,190 ext. citations	6.7 avg, IF	3.89 L-index

#	Paper	IF	Citations
65	Spontaneous Control of SIV Replication Does Not Prevent T Cell Dysregulation and Bacterial Dissemination in Animals Co-Infected with M. tuberculosis.. *Microbiology Spectrum*, **2022**, e0172421	0.9	0
64	Characterization of the SARS-CoV-2 B.1.621 (Mu) variant.. *Science Translational Medicine*, **2022**, eabm4908	3.2	1
63	Initial Evaluation of a Mobile SARS-CoV-2 RT-LAMP Testing Strategy.. *Journal of Biomolecular Techniques*, **2021**, 32, 137-147	0.4	1
62	The mucosal barrier and anti-viral immune responses can eliminate portions of the viral population during transmission and early viral growth. *PLoS ONE*, **2021**, 16, e0260010	1.2	
61	A cautionary perspective regarding the isolation and serial propagation of SARS-CoV-2 in Vero cells. *Npj Vaccines*, **2021**, 6, 83	3.5	9
60	Pre-existing Simian Immunodeficiency Virus Infection Increases Expression of T Cell Markers Associated with Activation during Early Coinfection and Impairs TNF Responses in Granulomas. *Journal of Immunology*, **2021**,	1.3	3
59	Characterization of a new SARS-CoV-2 variant that emerged in Brazil. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	3.3	25
58	Validation of multiplex PCR sequencing assay of SIV. *Virology Journal*, **2021**, 18, 21	1.6	0
57	Translating viral vaccines into immunity. *Science*, **2021**, 371, 460-461	10	1
56	Mathematical modeling of N-803 treatment in SIV-infected non-human primates. *PLoS Computational Biology*, **2021**, 17, e1009204	1.4	0
55	Zika Virus Infection of Pregnant Mice Triggers Strain-Specific Differences in Fetal Outcomes. *Journal of Virology*, **2021**, 95, e0081821	1.7	1
54	Prior infection with SARS-CoV-2 WA1/2020 partially protects rhesus macaques against reinfection with B.1.1.7 and B.1.351 variants. *Science Translational Medicine*, **2021**, 13, eabj2641	5.2	8
53	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection. *PLoS Pathogens*, **2020**, 16, e1008585	2.3	12
52	Spondweni virus causes fetal harm in Ifnar1 mice and is transmitted by Aedes aegypti mosquitoes. *Virology*, **2020**, 547, 35-46	1.2	1
51	Evolution of SIVsm in humanized mice towards HIV-2. *Journal of Medical Primatology*, **2020**, 49, 280-283	0.2	2
50	Distinct patterns of SARS-CoV-2 transmission in two nearby communities in Wisconsin, USA **2020**,		6
49	SIVcpz cross-species transmission and viral evolution toward HIV-1 in a humanized mouse model. *Journal of Medical Primatology*, **2020**, 49, 40-43	0.2	5

48	Revealing fine-scale spatiotemporal differences in SARS-CoV-2 introduction and spread. *Nature Communications*, **2020**, 11, 5558	5	18
47	Mimicking SIV chimpanzee viral evolution toward HIV-1 during cross-species transmission. *Journal of Medical Primatology*, **2020**, 49, 284-287	0.2	2
46	Loss of tetherin antagonism by Nef impairs SIV replication during acute infection of rhesus macaques. *PLoS Pathogens*, **2020**, 16, e1008487	2.3	7
45	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection **2020**, 16, e1008585		
44	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection **2020**, 16, e1008585		
43	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection **2020**, 16, e1008585		
42	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection **2020**, 16, e1008585		
41	CD8Depletion Does Not Prevent Control of Viral Replication or Protection from Challenge in Macaques Chronically Infected with a Live Attenuated Simian Immunodeficiency Virus. *Journal of Virology*, **2019**, 93,	1.7	3
40	Zika viruses of African and Asian lineages cause fetal harm in a mouse model of vertical transmission. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007343	1.2	35
39	Characterization of major histocompatibility complex-related molecule 1 sequence variants in non-human primates. *Immunogenetics*, **2019**, 71, 109-121	1	3
38	Latent Infection Is Associated With a Higher Frequency of Mucosal-Associated Invariant T and Invariant Natural Killer T Cells. *Frontiers in Immunology*, **2018**, 9, 1394	2	24
37	Acute-Phase CD4 T Cell Responses Targeting Invariant Viral Regions Are Associated with Control of Live Attenuated Simian Immunodeficiency Virus. *Journal of Virology*, **2018**, 92,	1.7	8
36	Ocular and uteroplacental pathology in a macaque pregnancy with congenital Zika virus infection. *PLoS ONE*, **2018**, 13, e0190617	1.2	50
35	Using barcoded Zika virus to assess virus population structure in vitro and in Aedes aegypti mosquitoes. *Virology*, **2018**, 521, 138-148	1.2	19
34	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. *PLoS Pathogens*, **2018**, 14, e1006964	2.3	21
33	ALT-803 Transiently Reduces Simian Immunodeficiency Virus Replication in the Absence of Antiretroviral Treatment. *Journal of Virology*, **2018**, 92,	1.7	30
32	SIV progenitor evolution toward HIV: A humanized mouse surrogate model for SIVsm adaptation toward HIV-2. *Journal of Medical Primatology*, **2018**, 47, 298-301	0.2	7
31	Preexisting Simian Immunodeficiency Virus Infection Increases Susceptibility to Tuberculosis in Mauritian Cynomolgus Macaques. *Infection and Immunity*, **2018**, 86,	1	9

30	Characterization of T Cells Specific for CFP-10 and ESAT-6 in Mycobacterium tuberculosis-Infected Mauritian Cynomolgus Macaques. *Infection and Immunity*, **2017**, 85,	1	7
29	Highly efficient maternal-fetal Zika virus transmission in pregnant rhesus macaques. *PLoS Pathogens*, **2017**, 13, e1006378	2.3	142
28	Infection via mosquito bite alters Zika virus tissue tropism and replication kinetics in rhesus macaques. *Nature Communications*, **2017**, 8, 2096	5	56
27	Conditional Immune Escape during Chronic Simian Immunodeficiency Virus Infection. *Journal of Virology*, **2016**, 90, 545-52	1.7	6
26	A rhesus macaque model of Asian-lineage Zika virus infection. *Nature Communications*, **2016**, 7, 12204	5	289
25	Acute Viral Escape Selectively Impairs Nef-Mediated Major Histocompatibility Complex Class I Downmodulation and Increases Susceptibility to Antiviral T Cells. *Journal of Virology*, **2016**, 90, 2119-26	1.7	4
24	Heterologous Protection against Asian Zika Virus Challenge in Rhesus Macaques. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0005168	1.2	98
23	Quantitation of Productively Infected Monocytes and Macrophages of Simian Immunodeficiency Virus-Infected Macaques. *Journal of Virology*, **2016**, 90, 5643-5656	1.7	72
22	Vaccination with Live Attenuated Simian Immunodeficiency Virus (SIV) Protects from Mucosal, but Not Necessarily Intravenous, Challenge with a Minimally Heterologous SIV. *Journal of Virology*, **2016**, 90, 5541-5548	1.7	10
21	CD8 T cell response maturation defined by anentropic specificity and repertoire depth correlates with SIV□ef-induced protection. *PLoS Pathogens*, **2015**, 11, e1004633	2.3	13
20	Comparable Genital Tract Infection, Pathology, and Immunity in Rhesus Macaques Inoculated with Wild-Type or Plasmid-Deficient Chlamydia trachomatis Serovar D. *Infection and Immunity*, **2015**, 83, 4056-67	1	31
19	T cell response specificity and magnitude against SIVmac239 are not concordant in major histocompatibility complex-matched animals. *Retrovirology*, **2013**, 10, 116	1.2	6
18	Acute-phase CD8 T cell responses that select for escape variants are needed to control live attenuated simian immunodeficiency virus. *Journal of Virology*, **2013**, 87, 9353-64	1.7	20
17	SIV genome-wide pyrosequencing provides a comprehensive and unbiased view of variation within and outside CD8 T lymphocyte epitopes. *PLoS ONE*, **2012**, 7, e47818	1.2	9
16	Specific CD8+ T cell responses correlate with control of simian immunodeficiency virus replication in Mauritian cynomolgus macaques. *Journal of Virology*, **2012**, 86, 7596-604	1.7	43
15	Conditional CD8+ T cell escape during acute simian immunodeficiency virus infection. *Journal of Virology*, **2012**, 86, 605-9	1.7	26
14	Characterization of full-length MHC class II sequences in Indonesian and Vietnamese cynomolgus macaques. *Immunogenetics*, **2011**, 63, 611-8	1	21
13	Transcriptionally abundant major histocompatibility complex class I alleles are fundamental to nonhuman primate simian immunodeficiency virus-specific CD8+ T cell responses. *Journal of Virology*, **2011**, 85, 3250-61	1.7	40

12	MHC heterozygote advantage in simian immunodeficiency virus-infected Mauritian cynomolgus macaques. *Science Translational Medicine*, **2010**, 2, 22ra18	5.2	68
11	Ultradeep pyrosequencing detects complex patterns of CD8+ T-lymphocyte escape in simian immunodeficiency virus-infected macaques. *Journal of Virology*, **2009**, 83, 8247-53	1.7	59
10	Mauritian cynomolgus macaques share two exceptionally common major histocompatibility complex class I alleles that restrict simian immunodeficiency virus-specific CD8+ T cells. *Journal of Virology*, **2009**, 83, 6011-9	1.7	63
9	Characterization of 47 MHC class I sequences in Filipino cynomolgus macaques. *Immunogenetics*, **2009**, 61, 177-87	1	40
8	MHC class I characterization of Indonesian cynomolgus macaques. *Immunogenetics*, **2008**, 60, 339-51	1	50
7	Comprehensive characterization of MHC class II haplotypes in Mauritian cynomolgus macaques. *Immunogenetics*, **2007**, 59, 449-62	1	107
6	Simian immunodeficiency virus SIVmac239 infection of major histocompatibility complex-identical cynomolgus macaques from Mauritius. *Journal of Virology*, **2007**, 81, 349-61	1.7	140
5	Polycystic kidney disease in rhesus macaques (Macaca mulatta). *FASEB Journal*, **2007**, 21, A1133	0.3	
4	MAIT cells are minimally responsive to Mycobacterium tuberculosis within granulomas, but are functionally impaired by SIV in a macaque model of SIV and Mtb co-infection		1
3	Heterologous protection against Asian Zika virus challenge in rhesus macaques		2
2	Acute-phase CD4+ T cell responses targeting invariant viral regions are associated with control of live-attenuated simian immunodeficiency virus		2
1	Extensive CD8 depletion does not prevent control of viral replication or protection from challenge in macaques chronically infected with a live attenuated simian immunodeficiency virus		1