

Shelby L O'connor

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,448
citations

257450

24
h-index

233421

45
g-index

78
all docs

78
docs citations

78
times ranked

3274
citing authors

#	ARTICLE	IF	CITATIONS
1	A rhesus macaque model of Asian-lineage Zika virus infection. <i>Nature Communications</i> , 2016, 7, 12204.	12.8	353
2	Highly efficient maternal-fetal Zika virus transmission in pregnant rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006378.	4.7	201
3	Simian Immunodeficiency Virus SIVmac239 Infection of Major Histocompatibility Complex-Identical <i>Cynomolgus</i> Macaques from Mauritius. <i>Journal of Virology</i> , 2007, 81, 349-361.	3.4	157
4	Heterologous Protection against Asian Zika Virus Challenge in Rhesus Macaques. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005168.	3.0	125
5	Comprehensive characterization of MHC class II haplotypes in Mauritian <i>cynomolgus</i> macaques. <i>Immunogenetics</i> , 2007, 59, 449-462.	2.4	122
6	Quantitation of Productively Infected Monocytes and Macrophages of Simian Immunodeficiency Virus-Infected Macaques. <i>Journal of Virology</i> , 2016, 90, 5643-5656.	3.4	93
7	Ocular and uteroplacental pathology in a macaque pregnancy with congenital Zika virus infection. <i>PLoS ONE</i> , 2018, 13, e0190617.	2.5	89
8	Infection via mosquito bite alters Zika virus tissue tropism and replication kinetics in rhesus macaques. <i>Nature Communications</i> , 2017, 8, 2096.	12.8	87
9	MHC Heterozygote Advantage in Simian Immunodeficiency Virus-Infected Mauritian <i>Cynomolgus</i> Macaques. <i>Science Translational Medicine</i> , 2010, 2, 22ra18.	12.4	80
10	Mauritian <i>Cynomolgus</i> Macaques Share Two Exceptionally Common Major Histocompatibility Complex Class I Alleles That Restrict Simian Immunodeficiency Virus-Specific CD8 ⁺ T Cells. <i>Journal of Virology</i> , 2009, 83, 6011-6019.	3.4	72
11	Zika viruses of African and Asian lineages cause fetal harm in a mouse model of vertical transmission. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007343.	3.0	70
12	Characterization of a new SARS-CoV-2 variant that emerged in Brazil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	63
13	Ultradeep Pyrosequencing Detects Complex Patterns of CD8 ⁺ T-Lymphocyte Escape in Simian Immunodeficiency Virus-Infected Macaques. <i>Journal of Virology</i> , 2009, 83, 8247-8253.	3.4	61
14	Specific CD8 ⁺ T Cell Responses Correlate with Control of Simian Immunodeficiency Virus Replication in Mauritian <i>Cynomolgus</i> Macaques. <i>Journal of Virology</i> , 2012, 86, 7596-7604.	3.4	56
15	MHC class I characterization of Indonesian <i>cynomolgus</i> macaques. <i>Immunogenetics</i> , 2008, 60, 339-51.	2.4	52
16	ALT-803 Transiently Reduces Simian Immunodeficiency Virus Replication in the Absence of Antiretroviral Treatment. <i>Journal of Virology</i> , 2018, 92, .	3.4	52
17	Transcriptionally Abundant Major Histocompatibility Complex Class I Alleles Are Fundamental to Nonhuman Primate Simian Immunodeficiency Virus-Specific CD8 ⁺ T Cell Responses. <i>Journal of Virology</i> , 2011, 85, 3250-3261.	3.4	47
18	Using barcoded Zika virus to assess virus population structure in vitro and in <i>Aedes aegypti</i> mosquitoes. <i>Virology</i> , 2018, 521, 138-148.	2.4	43

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19	Characterization of 47 MHC class I sequences in Filipino cynomolgus macaques. <i>Immunogenetics</i> , 2009, 61, 177-187.	2.4	41
20	Revealing fine-scale spatiotemporal differences in SARS-CoV-2 introduction and spread. <i>Nature Communications</i> , 2020, 11, 5558.	12.8	39
21	Comparable Genital Tract Infection, Pathology, and Immunity in Rhesus Macaques Inoculated with Wild-Type or Plasmid-Deficient <i>Chlamydia trachomatis</i> Serovar D. <i>Infection and Immunity</i> , 2015, 83, 4056-4067.	2.2	38
22	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. <i>PLoS Pathogens</i> , 2018, 14, e1006964.	4.7	38
23	Latent <i>Mycobacterium tuberculosis</i> Infection Is Associated With a Higher Frequency of Mucosal-Associated Invariant T and Invariant Natural Killer T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1394.	4.8	33
24	Conditional CD8 ⁺ T Cell Escape during Acute Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2012, 86, 605-609.	3.4	29
25	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and <i>Mtb</i> co-infection. <i>PLoS Pathogens</i> , 2020, 16, e1008585.	4.7	28
26	A cautionary perspective regarding the isolation and serial propagation of SARS-CoV-2 in Vero cells. <i>Npj Vaccines</i> , 2021, 6, 83.	6.0	25
27	Acute-Phase CD8 T Cell Responses That Select for Escape Variants Are Needed to Control Live Attenuated Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2013, 87, 9353-9364.	3.4	24
28	Characterization of full-length MHC class II sequences in Indonesian and Vietnamese cynomolgus macaques. <i>Immunogenetics</i> , 2011, 63, 611-618.	2.4	23
29	Preexisting Simian Immunodeficiency Virus Infection Increases Susceptibility to Tuberculosis in Mauritian Cynomolgus Macaques. <i>Infection and Immunity</i> , 2018, 86, .	2.2	23
30	Characterization of the SARS-CoV-2 B.1.621 (Mu) variant. <i>Science Translational Medicine</i> , 2022, 14, eabm4908.	12.4	21
31	CD8 T Cell Response Maturation Defined by Anentropic Specificity and Repertoire Depth Correlates with SIV ^{nef} -induced Protection. <i>PLoS Pathogens</i> , 2015, 11, e1004633.	4.7	19
32	Propagation of SARS-CoV-2 in Calu-3 Cells to Eliminate Mutations in the Furin Cleavage Site of Spike. <i>Viruses</i> , 2021, 13, 2434.	3.3	19
33	Therapeutic Potential of IL-15 and N-803 in HIV/SIV Infection. <i>Viruses</i> , 2021, 13, 1750.	3.3	18
34	Vaccination with Live Attenuated Simian Immunodeficiency Virus (SIV) Protects from Mucosal, but Not Necessarily Intravenous, Challenge with a Minimally Heterologous SIV. <i>Journal of Virology</i> , 2016, 90, 5541-5548.	3.4	15
35	Prior infection with SARS-CoV-2 WA1/2020 partially protects rhesus macaques against reinfection with B.1.1.7 and B.1.351 variants. <i>Science Translational Medicine</i> , 2021, 13, eabj2641.	12.4	15
36	Acute-Phase CD4 ⁺ T Cell Responses Targeting Invariant Viral Regions Are Associated with Control of Live Attenuated Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2018, 92, .	3.4	13

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37	Characterization of T Cells Specific for CFP-10 and ESAT-6 in Mycobacterium tuberculosis-Infected Mauritian Cynomolgus Macaques. <i>Infection and Immunity</i> , 2017, 85, .	2.2	12
38	Spondweni virus causes fetal harm in <i>lfnar1</i> mice and is transmitted by <i>Aedes aegypti</i> mosquitoes. <i>Virology</i> , 2020, 547, 35-46.	2.4	12
39	SIV progenitor evolution toward HIV: A humanized mouse surrogate model for SIVsm adaptation toward HIV-2. <i>Journal of Medical Primatology</i> , 2018, 47, 298-301.	0.6	11
40	Pre-existing Simian Immunodeficiency Virus Infection Increases Expression of T Cell Markers Associated with Activation during Early <i>Mycobacterium tuberculosis</i> Coinfection and Impairs TNF Responses in Granulomas. <i>Journal of Immunology</i> , 2021, 207, 175-188.	0.8	11
41	Initial Evaluation of a Mobile SARS-CoV-2 RT-LAMP Testing Strategy. <i>Journal of Biomolecular Techniques</i> , 2021, 32, 137-147.	1.5	11
42	SIV Genome-Wide Pyrosequencing Provides a Comprehensive and Unbiased View of Variation within and outside CD8 T Lymphocyte Epitopes. <i>PLoS ONE</i> , 2012, 7, e47818.	2.5	9
43	CD8 ⁺ Depletion Does Not Prevent Control of Viral Replication or Protection from Challenge in Macaques Chronically Infected with a Live Attenuated Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2019, 93, .	3.4	9
44	SIVcpz cross-species transmission and viral evolution toward HIV-1 in a humanized mouse model. <i>Journal of Medical Primatology</i> , 2020, 49, 40-43.	0.6	9
45	Loss of tetherin antagonism by Nef impairs SIV replication during acute infection of rhesus macaques. <i>PLoS Pathogens</i> , 2020, 16, e1008487.	4.7	8
46	Spontaneous Control of SIV Replication Does Not Prevent T Cell Dysregulation and Bacterial Dissemination in Animals Co-Infected with <i>M. tuberculosis</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0172421.	3.0	8
47	T cell response specificity and magnitude against SIVmac239 are not concordant in major histocompatibility complex-matched animals. <i>Retrovirology</i> , 2013, 10, 116.	2.0	7
48	Conditional Immune Escape during Chronic Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2016, 90, 545-552.	3.4	6
49	Zika Virus Infection of Pregnant <i>lfnar1</i> Mice Triggers Strain-Specific Differences in Fetal Outcomes. <i>Journal of Virology</i> , 2021, 95, e0081821.	3.4	6
50	Acute Viral Escape Selectively Impairs Nef-Mediated Major Histocompatibility Complex Class I Downmodulation and Increases Susceptibility to Antiviral T Cells. <i>Journal of Virology</i> , 2016, 90, 2119-2126.	3.4	5
51	Characterization of major histocompatibility complex-related molecule 1 sequence variants in non-human primates. <i>Immunogenetics</i> , 2019, 71, 109-121.	2.4	5
52	Mimicking SIV chimpanzee viral evolution toward HIV-1 during cross-species transmission. <i>Journal of Medical Primatology</i> , 2020, 49, 284-287.	0.6	5
53	Evolution of SIVsm in humanized mice towards HIV-2. <i>Journal of Medical Primatology</i> , 2020, 49, 280-283.	0.6	5
54	Mathematical modeling of N-803 treatment in SIV-infected non-human primates. <i>PLoS Computational Biology</i> , 2021, 17, e1009204.	3.2	3

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55	Validation of multiplex PCR sequencing assay of SIV. <i>Virology Journal</i> , 2021, 18, 21.	3.4	2
56	Translating viral vaccines into immunity. <i>Science</i> , 2021, 371, 460-461.	12.6	2
57	The mucosal barrier and anti-viral immune responses can eliminate portions of the viral population during transmission and early viral growth. <i>PLoS ONE</i> , 2021, 16, e0260010.	2.5	1
58	Monkeying around with MAIT Cells: Studying the Role of MAIT Cells in SIV and Mtb Co-Infection. <i>Viruses</i> , 2021, 13, 863.	3.3	0
59	Polycystic kidney disease in rhesus macaques (<i>Macaca mulatta</i>). <i>FASEB Journal</i> , 2007, 21, A1133.	0.5	0
60	Title is missing!. , 2020, 16, e1008585.		0
61	Title is missing!. , 2020, 16, e1008585.		0
62	Title is missing!. , 2020, 16, e1008585.		0
63	Title is missing!. , 2020, 16, e1008585.		0