

Shelby L O'connor

List of Publications by Year in descending order

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73
papers

2,732
citations

196998

25
h-index

182241

47
g-index

118
all docs

118
docs citations

118
times ranked

3613
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	362
2	Highly efficient maternal-fetal Zika virus transmission in pregnant rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006378.	4.0	203
3	Simian Immunodeficiency Virus SIVmac239 Infection of Major Histocompatibility Complex-Identical Cynomolgus 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.	2.4	125
5	Comprehensive characterization of MHC class II haplotypes in Mauritian cynomolgus macaques. <i>Immunogenetics</i> , 2007, 59, 449-462.	2.5	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	95
7	Infection via mosquito bite alters Zika virus tissue tropism and replication kinetics in rhesus macaques. <i>Nature Communications</i> , 2017, 8, 2096.	12.8	92
8	Ocular and uteroplacental pathology in a macaque pregnancy with congenital Zika virus infection. <i>PLoS ONE</i> , 2018, 13, e0190617.	2.5	90
9	MHC Heterozygote Advantage in Simian Immunodeficiency Virus-Infected Mauritian Cynomolgus Macaques. <i>Science Translational Medicine</i> , 2010, 2, 22ra18.	13.2	81
10	Mauritian Cynomolgus 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.	2.4	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, .	7.4	67
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	62
14	Specific CD8 ⁺ T Cell Responses Correlate with Control of Simian Immunodeficiency Virus Replication in Mauritian Cynomolgus Macaques. <i>Journal of Virology</i> , 2012, 86, 7596-7604.	3.4	57
15	ALT-803 Transiently Reduces Simian Immunodeficiency Virus Replication in the Absence of Antiretroviral Treatment. <i>Journal of Virology</i> , 2018, 92, .	3.4	53
16	MHC class I characterization of Indonesian cynomolgus macaques. <i>Immunogenetics</i> , 2008, 60, 339-51.	2.5	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	48
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	46

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19	Characterization of 47 MHC class I sequences in Filipino cynomolgus macaques. <i>Immunogenetics</i> , 2009, 61, 177-187.	2.5	41
20	Revealing fine-scale spatiotemporal differences in SARS-CoV-2 introduction and spread. <i>Nature Communications</i> , 2020, 11, 5558.	12.8	40
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.	2.3	39
22	Molecularly barcoded Zika virus libraries to probe in vivo evolutionary dynamics. <i>PLoS Pathogens</i> , 2018, 14, e1006964.	4.0	39
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	35
24	Nucleotide- and Mal3-dependent changes in fission yeast microtubules suggest a structural plasticity view of dynamics. <i>Nature Communications</i> , 2017, 8, 2110.	12.8	32
25	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection. <i>PLoS Pathogens</i> , 2020, 16, e1008585.	4.0	31
26	Conditional CD8 ⁺ T Cell Escape during Acute Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2012, 86, 605-609.	3.4	30
27	SARS-CoV-2 and other respiratory pathogens are detected in continuous air samples from congregate settings. <i>Nature Communications</i> , 2022, 13, .	12.8	29
28	A cautionary perspective regarding the isolation and serial propagation of SARS-CoV-2 in Vero cells. <i>Npj Vaccines</i> , 2021, 6, 83.	5.9	28
29	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.	3.4	27
30	Preexisting Simian Immunodeficiency Virus Infection Increases Susceptibility to Tuberculosis in Mauritian Cynomolgus Macaques. <i>Infection and Immunity</i> , 2018, 86, .	2.3	25
31	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
32	Characterization of full-length MHC class II sequences in Indonesian and Vietnamese cynomolgus macaques. <i>Immunogenetics</i> , 2011, 63, 611-618.	2.5	23
33	Site-switchable mono-O-allylation of polyols. <i>Nature Communications</i> , 2020, 11, 5681.	12.8	23
34	What do cost-effective health behaviour-change interventions contain? A comparison of six domains. <i>PLoS ONE</i> , 2019, 14, e0213983.	2.5	22
35	CD8 T Cell Response Maturation Defined by Antigen Specificity and Repertoire Depth Correlates with SIV ^{nef} -induced Protection. <i>PLoS Pathogens</i> , 2015, 11, e1004633.	4.0	19
36	Therapeutic Potential of IL-15 and N-803 in HIV/SIV Infection. <i>Viruses</i> , 2021, 13, 1750.	3.4	18

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37	Serum Metabolic Profile Alteration Reveals Response to Platinum-Based Combination Chemotherapy for Lung Cancer: Sensitive Patients Distinguished from Insensitive ones. <i>Scientific Reports</i> , 2017, 7, 17524.	3.4	17
38	Prevalence and genetic diversity of <i>Burkholderia pseudomallei</i> isolates in the environment near a patient's residence in Northeast Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007348.	2.4	17
39	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	16
40	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.	13.2	16
41	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
42	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	13
43	Initial Evaluation of a Mobile SARS-CoV-2 RT-LAMP Testing Strategy. <i>Journal of Biomolecular Techniques</i> , 2021, 32, 137-147.	1.4	13
44	Characterization of T Cells Specific for CFP-10 and ESAT-6 in <i>Mycobacterium tuberculosis</i> -Infected Mauritian <i>Cynomolgus</i> Macaques. <i>Infection and Immunity</i> , 2017, 85, .	2.3	12
45	Spondweni virus causes fetal harm in <i>Ifnar1</i> mice and is transmitted by <i>Aedes aegypti</i> mosquitoes. <i>Virology</i> , 2020, 547, 35-46.	2.4	12
46	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.	0.7	11
47	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	11
48	Intravenous Bacille Calmette-Guérin vaccination protects simian immunodeficiency virus-infected macaques from tuberculosis. <i>Nature Microbiology</i> , 2023, 8, 2080-2092.	12.7	11
49	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	10
50	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
51	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.	0.7	9
52	Loss of tetherin antagonism by Nef impairs SIV replication during acute infection of rhesus macaques. <i>PLoS Pathogens</i> , 2020, 16, e1008487.	4.0	9
53	Nuclear transporter karyopherin subunit alpha 3 levels modulate Porcine circovirus type 2 replication in PK-15 cells. <i>Virology</i> , 2020, 548, 31-38.	2.4	8
54	T cell response specificity and magnitude against SIVmac239 are not concordant in major histocompatibility complex-matched animals. <i>Retrovirology</i> , 2013, 10, 116.	2.2	7

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55	Characterization of major histocompatibility complex-related molecule 1 sequence variants in non-human primates. <i>Immunogenetics</i> , 2019, 71, 109-121.	2.5	7
56	Zika Virus Infection of Pregnant α/α Mice Triggers Strain-Specific Differences in Fetal Outcomes. <i>Journal of Virology</i> , 2021, 95, e0081821.	3.4	7
57	Control of Simian Immunodeficiency Virus Infection in Prophylactically Vaccinated, Antiretroviral Treatment-Naïve Macaques Is Required for the Most Efficacious CD8 T Cell Response during Treatment with the Interleukin-15 Superagonist N-803. <i>Journal of Virology</i> , 2022, 96, .	3.4	7
58	Conditional Immune Escape during Chronic Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2016, 90, 545-552.	3.4	6
59	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
60	Mimicking SIV chimpanzee viral evolution toward HIV-1 during cross-species transmission. <i>Journal of Medical Primatology</i> , 2020, 49, 284-287.	0.7	5
61	Evolution of SIVsm in humanized mice towards HIV-2. <i>Journal of Medical Primatology</i> , 2020, 49, 280-283.	0.7	5
62	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	3
63	Host Immunity to Mycobacterium tuberculosis Infection Is Similar in Simian Immunodeficiency Virus (SIV)-Infected, Antiretroviral Therapy-Treated and SIV-Naïve Juvenile Macaques. <i>Infection and Immunity</i> , 2023, 91, .	2.3	3
64	Mycobacterium tuberculosis-Specific CD4 T Cells Expressing Transcription Factors T-Bet or ROR γ T Associate with Bacterial Control in Granulomas. <i>MBio</i> , 2023, 14, .	4.2	3
65	Validation of multiplex PCR sequencing assay of SIV. <i>Virology Journal</i> , 2021, 18, 21.	3.5	2
66	Translating viral vaccines into immunity. <i>Science</i> , 2021, 371, 460-461.	19.6	2
67	Monkeying around with MAIT Cells: Studying the Role of MAIT Cells in SIV and Mtb Co-Infection. <i>Viruses</i> , 2021, 13, 863.	3.4	2
68	IL-15 Superagonist N-803 Enhances IFN- γ Production of MAIT Cells in SIV α/α Macaques. <i>Infection and Immunity</i> , 2022, 90, .	2.3	2
69	Transient T Cell Expansion, Activation, and Proliferation in Therapeutically Vaccinated Simian Immunodeficiency Virus-Positive Macaques Treated with N-803. <i>Journal of Virology</i> , 0, .	3.4	2
70	CD8+ cells and small viral reservoirs facilitate post-ART control of SIV replication in M3+ Mauritian cynomolgus macaques initiated on ART two weeks post-infection. <i>PLoS Pathogens</i> , 2023, 19, e1011676.	4.0	2
71	Gain without pain: adaptation and increased virulence of Zika virus in vertebrate host without fitness cost in mosquito vector. <i>Journal of Virology</i> , 2023, 97, .	3.4	1
72	Polycystic kidney disease in rhesus macaques (<i>Macaca mulatta</i>). <i>FASEB Journal</i> , 2007, 21, A1133.	0.4	0

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73	Wolbachia-mediated resistance to Zika virus infection in <i>Aedes aegypti</i> is dominated by diverse transcriptional regulation and weak evolutionary pressures. PLoS Neglected Tropical Diseases, 2023, 17, e0011674.	2.4	0