

Joshua T Schiffer

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

3,684
citations

126708

33
h-index

168136

53
g-index

145
all docs

145
docs citations

145
times ranked

4672
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of HSV-2 infection on subsequent HIV acquisition: an updated systematic review and meta-analysis. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 1303-1316.	4.6	199
2	Viral load and contact heterogeneity predict SARS-CoV-2 transmission and super-spreading events. <i>ELife</i> , 2021, 10, .	2.8	142
3	Potency and timing of antiviral therapy as determinants of duration of SARS-CoV-2 shedding and intensity of inflammatory response. <i>Science Advances</i> , 2020, 6, .	4.7	128
4	The cumulative burden of double-stranded DNA virus detection after allogeneic HCT is associated with increased mortality. <i>Blood</i> , 2017, 129, 2316-2325.	0.6	126
5	Mucosal host immune response predicts the severity and duration of herpes simplex virus-2 genital tract shedding episodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18973-18978.	3.3	112
6	Standard-dose and high-dose daily antiviral therapy for short episodes of genital HSV-2 reactivation: three randomised, open-label, cross-over trials. <i>Lancet</i> , The, 2012, 379, 641-647.	6.3	104
7	Optimizing vaccine allocation for COVID-19 vaccines shows the potential role of single-dose vaccination. <i>Nature Communications</i> , 2021, 12, 3449.	5.8	101
8	Frequent Release of Low Amounts of Herpes Simplex Virus from Neurons: Results of a Mathematical Model. <i>Science Translational Medicine</i> , 2009, 1, 7ra16.	5.8	100
9	Targeted DNA Mutagenesis for the Cure of Chronic Viral Infections. <i>Journal of Virology</i> , 2012, 86, 8920-8936.	1.5	100
10	A majority of HIV persistence during antiretroviral therapy is due to infected cell proliferation. <i>Nature Communications</i> , 2018, 9, 4811.	5.8	96
11	AAV-Mediated Delivery of Zinc Finger Nucleases Targeting Hepatitis B Virus Inhibits Active Replication. <i>PLoS ONE</i> , 2014, 9, e97579.	1.1	95
12	Rapid host immune response and viral dynamics in herpes simplex virus-2 infection. <i>Nature Medicine</i> , 2013, 19, 280-288.	15.2	87
13	Timing and severity of community acquired respiratory virus infections after myeloablative versus non-myeloablative hematopoietic stem cell transplantation. <i>Haematologica</i> , 2009, 94, 1101-1108.	1.7	86
14	Cytomegalovirus-specific T-cell reconstitution following letermovir prophylaxis after hematopoietic cell transplantation. <i>Blood</i> , 2021, 138, 34-43.	0.6	71
15	COVID-19 vaccines that reduce symptoms but do not block infection need higher coverage and faster rollout to achieve population impact. <i>Scientific Reports</i> , 2021, 11, 15531.	1.6	70
16	Longitudinal study reveals HIV-1 infected CD4+ T cell dynamics during long-term antiretroviral therapy. <i>Journal of Clinical Investigation</i> , 2020, 130, 3543-3559.	3.9	69
17	Timing of Antiretroviral Therapy Initiation in Tuberculosis Patients With AIDS. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2007, 44, 229-234.	0.9	67
18	Herpes simplex virus-2 transmission probability estimates based on quantity of viral shedding. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140160.	1.5	67

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19	HSV-2 serology can be predictive of HIV epidemic potential and hidden sexual risk behavior in the Middle East and North Africa. <i>Epidemics</i> , 2010, 2, 173-182.	1.5	61
20	Rapid localized spread and immunologic containment define Herpes simplex virus-2 reactivation in the human genital tract. <i>ELife</i> , 2013, 2, e00288.	2.8	59
21	Kinetics of Double-Stranded DNA Viremia After Allogeneic Hematopoietic Cell Transplantation. <i>Clinical Infectious Diseases</i> , 2018, 66, 368-375.	2.9	56
22	Hydroxychloroquine with or without azithromycin for treatment of early SARS-CoV-2 infection among high-risk outpatient adults: A randomized clinical trial. <i>EClinicalMedicine</i> , 2021, 33, 100773.	3.2	55
23	New concepts in understanding genital herpes. <i>Current Infectious Disease Reports</i> , 2009, 11, 457-464.	1.3	54
24	The Kinetics of Mucosal Herpes Simplex Virus-2 Infection in Humans: Evidence for Rapid Viral-Host Interactions. <i>Journal of Infectious Diseases</i> , 2011, 204, 554-561.	1.9	54
25	Plasma and Cerebrospinal Fluid Herpes Simplex Virus Levels at Diagnosis and Outcome of Neonatal Infection. <i>Journal of Pediatrics</i> , 2015, 166, 827-833.	0.9	47
26	Drug Combinations as a First Line of Defense against Coronaviruses and Other Emerging Viruses. <i>MBio</i> , 2021, 12, e0334721.	1.8	45
27	Complementing 16S rRNA Gene Amplicon Sequencing with Total Bacterial Load To Infer Absolute Species Concentrations in the Vaginal Microbiome. <i>MSystems</i> , 2020, 5, .	1.7	44
28	A highly multiplexed droplet digital PCR assay to measure the intact HIV-1 proviral reservoir. <i>Cell Reports Medicine</i> , 2021, 2, 100243.	3.3	44
29	Detection of treatment-resistant infectious HIV after genome-directed antiviral endonuclease therapy. <i>Antiviral Research</i> , 2016, 126, 90-98.	1.9	43
30	Rapid Viral Expansion and Short Drug Half-Life Explain the Incomplete Effectiveness of Current Herpes Simplex Virus 2-Directed Antiviral Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5820-5829.	1.4	42
31	Dynamics of HIV DNA reservoir seeding in a cohort of superinfected Kenyan women. <i>PLoS Pathogens</i> , 2020, 16, e1008286.	2.1	41
32	Tissue-resident T cell-derived cytokines eliminate herpes simplex virus-2-infected cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 2903-2919.	3.9	40
33	Predictors of Hepatitis B Cure Using Gene Therapy to Deliver DNA Cleavage Enzymes: A Mathematical Modeling Approach. <i>PLoS Computational Biology</i> , 2013, 9, e1003131.	1.5	36
34	Population Level Impact of an Imperfect Prophylactic Vaccine for Herpes Simplex Virus-2. <i>Sexually Transmitted Diseases</i> , 2010, 37, 290-297.	0.8	36
35	Anti-proliferative therapy for HIV cure: a compound interest approach. <i>Scientific Reports</i> , 2017, 7, 4011.	1.6	35
36	CMV viral load kinetics as surrogate endpoints after allogeneic transplantation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	35

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37	Biologic interactions between HSV-2 and HIV-1 and possible implications for HSV vaccine development. <i>Vaccine</i> , 2019, 37, 7363-7371.	1.7	31
38	Decreased CD4+ lymphocytes and innate immune responses in adults with previous extrapulmonary tuberculosis. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 916-923.	1.5	30
39	Detailed analysis of mucosal herpes simplex virus-2 replication kinetics with and without antiviral therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 2593-2600.	1.3	30
40	Safety and Efficacy of Combination Antiretroviral Therapy in Human Immunodeficiency Virus-Infected Adults Undergoing Autologous or Allogeneic Hematopoietic Cell Transplantation for Hematologic Malignancies. <i>Biology of Blood and Marrow Transplantation</i> , 2016, 22, 149-156.	2.0	30
41	Hybrid nanocarriers incorporating mechanistically distinct drugs for lymphatic CD4 ⁺ T cell activation and HIV-1 latency reversal. <i>Science Advances</i> , 2019, 5, eaav6322.	4.7	30
42	CD4 T-Cell Memory Responses to Viral Infections of Humans Show Pronounced Immunodominance Independent of Duration or Viral Persistence. <i>Journal of Virology</i> , 2013, 87, 2617-2627.	1.5	29
43	Mathematical modeling of herpes simplex virus-2 suppression with pritelivir predicts trial outcomes. <i>Science Translational Medicine</i> , 2016, 8, 324ra15.	5.8	29
44	Viral diversity is an obligate consideration in CRISPR/Cas9 designs for targeting the HIV reservoir. <i>BMC Biology</i> , 2018, 16, 75.	1.7	29
45	Widespread testing, case isolation and contact tracing may allow safe school reopening with continued moderate physical distancing: A modeling analysis of King County, WA data. <i>Infectious Disease Modelling</i> , 2021, 6, 24-35.	1.2	29
46	Nonprimary Maternal Cytomegalovirus Infection After Viral Shedding in Infants. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, 627-631.	1.1	28
47	A regulatory T cell signature distinguishes the immune landscape of COVID-19 patients from those with other respiratory infections. <i>Science Advances</i> , 2021, 7, eabj0274.	4.7	28
48	Relationship between CD4 T cell turnover, cellular differentiation and HIV persistence during ART. <i>PLoS Pathogens</i> , 2021, 17, e1009214.	2.1	25
49	Mucosal HSV-2 Specific CD8+ T-Cells Represent Containment of Prior Viral Shedding Rather than a Correlate of Future Protection. <i>Frontiers in Immunology</i> , 2013, 4, 209.	2.2	24
50	The Majority of CD4 + T-Cell Depletion during Acute Simian-Human Immunodeficiency Virus SHIV89.6P Infection Occurs in Uninfected Cells. <i>Journal of Virology</i> , 2014, 88, 3202-3212.	1.5	24
51	Dynamics of Persistent Oral Cytomegalovirus Shedding During Primary Infection in Ugandan Infants. <i>Journal of Infectious Diseases</i> , 2016, 214, 1735-1743.	1.9	24
52	Peripheral Blood CD4 T-Cell and Plasmacytoid Dendritic Cell (pDC) Reactivity to Herpes Simplex Virus 2 and pDC Number Do Not Correlate with the Clinical or Virologic Severity of Recurrent Genital Herpes. <i>Journal of Virology</i> , 2012, 86, 9952-9963.	1.5	23
53	Dual-strain genital herpes simplex virus type 2 (HSV-2) infection in the US, Peru, and 8 countries in sub-Saharan Africa: A nested cross-sectional viral genotyping study. <i>PLoS Medicine</i> , 2017, 14, e1002475.	3.9	22
54	Mathematical Modeling Predicts that Increased HSV-2 Shedding in HIV-1 Infected Persons Is Due to Poor Immunologic Control in Ganglia and Genital Mucosa. <i>PLoS ONE</i> , 2016, 11, e0155124.	1.1	22

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55	Herpes simplex virus-2 dynamics as a probe to measure the extremely rapid and spatially localized tissue-resident T-cell response. <i>Immunological Reviews</i> , 2018, 285, 113-133.	2.8	21
56	Mathematical modeling to reveal breakthrough mechanisms in the HIV Antibody Mediated Prevention (AMP) trials. <i>PLoS Computational Biology</i> , 2020, 16, e1007626.	1.5	20
57	Estimating the Risk of Human Herpesvirus 6 and Cytomegalovirus Transmission to Ugandan Infants from Viral Shedding in Saliva by Household Contacts. <i>Viruses</i> , 2020, 12, 171.	1.5	20
58	A Fixed Spatial Structure of CD8+ T Cells in Tissue during Chronic HSV-2 Infection. <i>Journal of Immunology</i> , 2018, 201, 1522-1535.	0.4	19
59	Virus and host-specific differences in oral human herpesvirus shedding kinetics among Ugandan women and children. <i>Scientific Reports</i> , 2017, 7, 13105.	1.6	18
60	Modeling cumulative overall prevention efficacy for the VRC01 phase 2b efficacy trials. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 2116-2127.	1.4	17
61	Review of mathematical models of HSV-2 vaccination: Implications for vaccine development. <i>Vaccine</i> , 2019, 37, 7396-7407.	1.7	17
62	Slight reduction in SARS-CoV-2 exposure viral load due to masking results in a significant reduction in transmission with widespread implementation. <i>Scientific Reports</i> , 2021, 11, 11838.	1.6	17
63	An Early Test-and-Treat Strategy for Severe Acute Respiratory Syndrome Coronavirus 2. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofaa232.	0.4	16
64	HIV reservoir quantification using cross-subtype multiplex ddPCR. <i>IScience</i> , 2022, 25, 103615.	1.9	16
65	Multi-scale modelling reveals that early super-spreader events are a likely contributor to novel variant predominance. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210811.	1.5	16
66	Autologous Stem Cell Transplantation Disrupts Adaptive Immune Responses during Rebound Simian/Human Immunodeficiency Virus Viremia. <i>Journal of Virology</i> , 2017, 91, .	1.5	15
67	Formulation, Stability, Pharmacokinetic, and Modeling Studies for Tests of Synergistic Combinations of Orally Available Approved Drugs against Ebola Virus In Vivo. <i>Microorganisms</i> , 2021, 9, 566.	1.6	13
68	Reliability of Self-Sampling for Accurate Assessment of Respiratory Virus Viral and Immunologic Kinetics. <i>Journal of Infectious Diseases</i> , 2022, 226, 278-286.	1.9	10
69	Cervicovaginal Tissue Residence Confers a Distinct Differentiation Program upon Memory CD8 T Cells. <i>Journal of Immunology</i> , 2021, 206, 2937-2948.	0.4	10
70	Mathematical Modeling of Vaccines That Prevent SARS-CoV-2 Transmission. <i>Viruses</i> , 2021, 13, 1921.	1.5	10
71	Tracking SARS-CoV-2 Spike Protein Mutations in the United States (January 2020-March 2021) Using a Statistical Learning Strategy. <i>Viruses</i> , 2022, 14, 9.	1.5	10
72	Thresholds for post-rebound SHIV control after CCR5 gene-edited autologous hematopoietic cell transplantation. <i>ELife</i> , 2021, 10, .	2.8	9

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73	Examining the dynamics of Epstein-Barr virus shedding in the tonsils and the impact of HIV-1 coinfection on daily saliva viral loads. <i>PLoS Computational Biology</i> , 2021, 17, e1009072.	1.5	9
74	Timing HIV infection with a simple and accurate population viral dynamics model. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210314.	1.5	8
75	Optimizing clinical dosing of combination broadly neutralizing antibodies for HIV prevention. <i>PLoS Computational Biology</i> , 2022, 18, e1010003.	1.5	8
76	Herpes Simplex Virus-2 Genital Tract Shedding Is Not Predictable over Months or Years in Infected Persons. <i>PLoS Computational Biology</i> , 2014, 10, e1003922.	1.5	7
77	Myeloablation-associated deletion of ORF4 in a human coronavirus 229E infection. <i>Npj Genomic Medicine</i> , 2017, 2, 30.	1.7	7
78	Rapid vaccination and partial lockdown minimize 4th waves from emerging highly contagious SARS-CoV-2 variants. <i>Med</i> , 2021, 2, 573-574.	2.2	7
79	Modeling explains prolonged SARS-CoV-2 nasal shedding relative to lung shedding in remdesivir-treated rhesus macaques. <i>IScience</i> , 2022, 25, 104448.	1.9	7
80	A curative regimen would decrease HIV prevalence but not HIV incidence unless targeted to an ART-naïve population. <i>Scientific Reports</i> , 2016, 6, 22183.	1.6	6
81	Quantifying the Impact of Lifting Community Nonpharmaceutical Interventions for COVID-19 During Vaccination Rollout in the United States. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab341.	0.4	6
82	With Jaundiced Eyes. <i>American Journal of Medicine</i> , 2009, 122, 21-23.	0.6	5
83	Pharmacodynamics of anti-HIV gene therapy using viral vectors and targeted endonucleases. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2089-2099.	1.3	5
84	Endogenously Produced SARS-CoV-2 Specific IgG Antibodies May Have a Limited Impact on Clearing Nasal Shedding of Virus during Primary Infection in Humans. <i>Viruses</i> , 2021, 13, 516.	1.5	5
85	Cases from the Osler Medical Service at Johns Hopkins University. <i>American Journal of Medicine</i> , 2003, 115, 404-406.	0.6	4
86	A siege of hepatitis: Fighting a defiant virus. <i>Nature Medicine</i> , 2011, 17, 253-254.	15.2	4
87	Viral Kinetic Correlates of Cytomegalovirus Disease and Death after Hematopoietic Cell Transplant. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, S20.	2.0	4
88	To what extent can mathematical modeling inform the design of clinical trials? The example of safe dose reduction of tyrosine kinase inhibitors in responding patients with chronic myeloid leukemia. <i>Haematologica</i> , 2018, 103, 1756-1757.	1.7	4
89	Mathematical Modeling of Within-Host, Untreated, Cytomegalovirus Infection Dynamics after Allogeneic Transplantation. <i>Viruses</i> , 2021, 13, 2292.	1.5	4
90	Feverish, Jaundiced. <i>American Journal of Medicine</i> , 2009, 122, 129-131.	0.6	3

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91	Evolution during primary HIV infection does not require adaptive immune selection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	3
92	Outcomes of Hematopoietic Cell Transplantation in Patients with Mixed Response to Pretransplantation Treatment of Confirmed or Suspected Invasive Fungal Infection. Transplantation and Cellular Therapy, 2021, 27, 684.e1-684.e9.	0.6	2
93	Improving vaccination coverage and offering vaccine to all school-age children allowed uninterrupted in-person schooling in King County, WA: Modeling analysis. Mathematical Biosciences and Engineering, 2022, 19, 5699-5716.	1.0	2
94	P3.119â€¦The effect of HSV-2 infection on subsequent hiv acquisition: an updated systematic review and meta-analysis. , 2017, , .		1
95	Model-based estimation of superinfection prevalence from limited datasets. Journal of the Royal Society Interface, 2018, 15, 20170968.	1.5	1
96	Reply to GimÃ©nez et al. Clinical Infectious Diseases, 2018, 67, 807-808.	2.9	1
97	CMV Viral Load Kinetics as Surrogate Endpoints for Antiviral Prophylaxis Trials. Biology of Blood and Marrow Transplantation, 2020, 26, S327-S328.	2.0	1
98	Detection of Multiple Double-Stranded DNA Viruses after Cord Blood Transplantation Is Frequent and Persistent. Blood, 2015, 126, 3104-3104.	0.6	1
99	Estimation of the in vivo neutralization potency of eCD4lg and conditions for AAV-mediated production for SHIV long-term remission. Science Advances, 2022, 8, eabj5666.	4.7	1
100	Correlates of protection via modeling. Nature Computational Science, 2022, 2, 140-141.	3.8	1
101	Multisystem Mystery. American Journal of Medicine, 2008, 121, 387-389.	0.6	0
102	Kinetic Features of Double Stranded DNA Virus Detection after Allogeneic Hematopoietic Cell Transplantation. Open Forum Infectious Diseases, 2016, 3, .	0.4	0
103	Detection of Multiple Double-Stranded DNA Viruses after Allogeneic HCT Is Frequent, Persistent, and Associated with a Stepwise Increase in Mortality. Biology of Blood and Marrow Transplantation, 2016, 22, S166-S167.	2.0	0
104	CMV, BKV, HHV-6B, AdV, and EBV Kinetics after Allogeneic Hematopoietic Cell Transplantation. Biology of Blood and Marrow Transplantation, 2016, 22, S165-S166.	2.0	0
105	In the Eye of the Beholder: A Conjunctival Lesion in a Woman With Acute Myelogenous Leukemia. Clinical Infectious Diseases, 2019, 68, 525-529.	2.9	0
106	Determination of Optimal Viral Kinetic Markers for Predicting Antiviral Treatment Effect for the Prevention of Cytomegalovirus (CMV) Disease after Hematopoietic Cell Transplant (HCT) Using Machine Learning and a Novel Non-Parametric Estimation Method. Biology of Blood and Marrow Transplantation, 2019, 25, S345.	2.0	0
107	Title is missing!. , 2020, 16, e1007626.		0
108	Title is missing!. , 2020, 16, e1007626.		0

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109	Title is missing!. , 2020, 16, e1007626.		0
110	Title is missing!. , 2020, 16, e1007626.		0