

Adam S Lauring

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

3,860
citations

32
h-index

61
g-index

90
ext. papers

5,575
ext. citations

10
avg, IF

6.72
L-index

#	Paper	IF	Citations
76	Quasispecies theory and the behavior of RNA viruses. <i>PLoS Pathogens</i> , 2010 , 6, e1001005	7.6	563
75	Genetic Variants of SARS-CoV-2-What Do They Mean?. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 325, 529-531	27.4	290
74	The role of mutational robustness in RNA virus evolution. <i>Nature Reviews Microbiology</i> , 2013 , 11, 327-362	22.2	236
73	Tocilizumab for Treatment of Mechanically Ventilated Patients With COVID-19. <i>Clinical Infectious Diseases</i> , 2021 , 73, e445-e454	11.6	235
72	Rationalizing the development of live attenuated virus vaccines. <i>Nature Biotechnology</i> , 2010 , 28, 573-9	44.5	188
71	Complexities of Viral Mutation Rates. <i>Journal of Virology</i> , 2018 , 92,	6.6	148
70	Prolonged Severe Acute Respiratory Syndrome Coronavirus 2 Replication in an Immunocompromised Patient. <i>Journal of Infectious Diseases</i> , 2021 , 223, 23-27	7	130
69	Oxysterol-binding protein is a phosphatidylinositol 4-kinase effector required for HCV replication membrane integrity and cholesterol trafficking. <i>Gastroenterology</i> , 2014 , 146, 1373-85.e1-11	13.3	116
68	Stochastic processes constrain the within and between host evolution of influenza virus. <i>ELife</i> , 2018 , 7,	8.9	110
67	Association Between mRNA Vaccination and COVID-19 Hospitalization and Disease Severity. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 2043-2054	27.4	105
66	Codon usage determines the mutational robustness, evolutionary capacity, and virulence of an RNA virus. <i>Cell Host and Microbe</i> , 2012 , 12, 623-32	23.4	99
65	Identification of a cellular cofactor required for infection by feline leukemia virus. <i>Science</i> , 2000 , 287, 1828-30	33.3	92
64	Influenza Vaccination and Treatment with Antiviral Agents Among Hospitalized Adults in the 2014-2015 and 2015-2016 Influenza Seasons. <i>Open Forum Infectious Diseases</i> , 2017 , 4, S316-S317	1	78
63	Measurements of Intra-host Viral Diversity Are Extremely Sensitive to Systematic Errors in Variant Calling. <i>Journal of Virology</i> , 2016 , 90, 6884-95	6.6	74
62	A novel twelve class fluctuation test reveals higher than expected mutation rates for influenza A viruses. <i>ELife</i> , 2017 , 6,	8.9	72
61	Genetic bottlenecks in intraspecies virus transmission. <i>Current Opinion in Virology</i> , 2018 , 28, 20-25	7.5	68
60	A speed-fidelity trade-off determines the mutation rate and virulence of an RNA virus. <i>PLoS Biology</i> , 2018 , 16, e2006459	9.7	65

59	Theory and empiricism in virulence evolution. <i>PLoS Pathogens</i> , 2014 , 10, e1004387	7.6	64
58	The Mutational Robustness of Influenza A Virus. <i>PLoS Pathogens</i> , 2016 , 12, e1005856	7.6	60
57	Effectiveness of SARS-CoV-2 mRNA Vaccines for Preventing Covid-19 Hospitalizations in the United States. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	60
56	Evidence for the Selective Basis of Transition-to-Transversion Substitution Bias in Two RNA Viruses. <i>Molecular Biology and Evolution</i> , 2017 , 34, 3205-3215	8.3	58
55	Vaccination has minimal impact on the intrahost diversity of H3N2 influenza viruses. <i>PLoS Pathogens</i> , 2017 , 13, e1006194	7.6	56
54	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. <i>Cell</i> , 2021 , 184, 2595-2604.e13	56.2	55
53	Mutation and Epistasis in Influenza Virus Evolution. <i>Viruses</i> , 2018 , 10,	6.2	45
52	Effective lethal mutagenesis of influenza virus by three nucleoside analogs. <i>Journal of Virology</i> , 2015 , 89, 3584-97	6.6	43
51	Evidence that an IRES within the Notch2 coding region can direct expression of a nuclear form of the protein. <i>Molecular Cell</i> , 2000 , 6, 939-45	17.6	43
50	Interactions of nucleotide release factor Dss4p with Sec4p in the post-Golgi secretory pathway of yeast. <i>Journal of Biological Chemistry</i> , 1997 , 272, 18281-9	5.4	39
49	Clinical severity of, and effectiveness of mRNA vaccines against, covid-19 from omicron, delta, and alpha SARS-CoV-2 variants in the United States: prospective observational study.. <i>BMJ, The</i> , 2022 , 376, e069761	5.9	39
48	Donor to recipient transmission of SARS-CoV-2 by lung transplantation despite negative donor upper respiratory tract testing. <i>American Journal of Transplantation</i> , 2021 , 21, 2885-2889	8.7	37
47	Specificity in receptor usage by T-cell-tropic feline leukemia viruses: implications for the in vivo tropism of immunodeficiency-inducing variants. <i>Journal of Virology</i> , 2001 , 75, 8888-98	6.6	36
46	Exploring the fitness landscape of an RNA virus by using a universal barcode microarray. <i>Journal of Virology</i> , 2011 , 85, 3780-91	6.6	33
45	Influenza Vaccine Effectiveness Against Antigenically Drifted Influenza Higher Than Expected in Hospitalized Adults: 2014-2015. <i>Clinical Infectious Diseases</i> , 2016 , 63, 1017-25	11.6	33
44	Respiratory syncytial virus hospitalization in middle-aged and older adults. <i>Journal of Clinical Virology</i> , 2017 , 96, 37-43	14.5	31
43	Feline Pit2 functions as a receptor for subgroup B feline leukemia viruses. <i>Journal of Virology</i> , 2001 , 75, 10563-72	6.6	30
42	Tocilizumab for treatment of mechanically ventilated patients with COVID-19 2020 ,		28

41	Influenza B Viruses Exhibit Lower Within-Host Diversity than Influenza A Viruses in Human Hosts. <i>Journal of Virology</i> , 2020 , 94,	6.6	27
40	Antibodies Against Egg- and Cell-Grown Influenza A(H3N2) Viruses in Adults Hospitalized During the 2017-2018 Influenza Season. <i>Journal of Infectious Diseases</i> , 2019 , 219, 1904-1912	7	24
39	Temporal dynamics of SARS-CoV-2 mutation accumulation within and across infected hosts. <i>PLoS Pathogens</i> , 2021 , 17, e1009499	7.6	22
38	Within-Host Viral Diversity: A Window into Viral Evolution. <i>Annual Review of Virology</i> , 2020 , 7, 63-81	14.6	21
37	TLR2 Activation Limits Rhinovirus-Stimulated CXCL-10 by Attenuating IRAK-1-Dependent IL-33 Receptor Signaling in Human Bronchial Epithelial Cells. <i>Journal of Immunology</i> , 2016 , 197, 2409-20	5.3	19
36	Feline leukemia virus envelope sequences that affect T-cell tropism and syncytium formation are not part of known receptor-binding domains. <i>Journal of Virology</i> , 2000 , 74, 5754-61	6.6	18
35	Effectiveness of SARS-CoV-2 mRNA Vaccines for Preventing Covid-19 Hospitalizations in the United States 2021 ,		17
34	Humidity and Deposition Solution Play a Critical Role in Virus Inactivation by Heat Treatment of N95 Respirators. <i>MSphere</i> , 2020 , 5,	5	16
33	CodonShuffle: a tool for generating and analyzing synonymously mutated sequences. <i>Virus Evolution</i> , 2015 , 1, vev012	3.7	15
32	Genetic and biochemical analyses of receptor and cofactor determinants for T-cell-tropic feline leukemia virus infection. <i>Journal of Virology</i> , 2002 , 76, 8069-78	6.6	15
31	Validation of N95 Filtering Facepiece Respirator Decontamination Methods Available at a Large University Hospital. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofaa610	1	14
30	Severe Acute Respiratory Syndrome Coronavirus 2 Total and Subgenomic RNA Viral Load in Hospitalized Patients. <i>Journal of Infectious Diseases</i> , 2021 , 224, 1287-1293	7	14
29	Lack of evidence for mtDNA as a biomarker of innate immune activation in HIV infection. <i>PLoS ONE</i> , 2012 , 7, e50486	3.7	12
28	Temporal dynamics of SARS-CoV-2 mutation accumulation within and across infected hosts 2021 ,		12
27	Coronavirus Disease 2019 (COVID-19) Clinical Trial Oversight at a Major Academic Medical Center: Approach of Michigan Medicine. <i>Clinical Infectious Diseases</i> , 2020 , 71, 2187-2190	11.6	11
26	An enhanced single base extension technique for the analysis of complex viral populations. <i>PLoS ONE</i> , 2009 , 4, e7453	3.7	10
25	Validation of N95 filtering facepiece respirator decontamination methods available at a large university hospital		10
24	Antigenic diversification is correlated with increased thermostability in a mammalian virus. <i>Virology</i> , 2016 , 496, 203-214	3.6	10

23	Evaluation of correlates of protection against influenza A(H3N2) and A(H1N1)pdm09 infection: Applications to the hospitalized patient population. <i>Vaccine</i> , 2019 , 37, 1284-1292	4.1	9
22	Epistatic Interactions within the Influenza A Virus Polymerase Complex Mediate Mutagen Resistance and Replication Fidelity. <i>MSphere</i> , 2017 , 2,	5	9
21	Early introductions and community transmission of SARS-CoV-2 variant B.1.1.7 in the United States 2021 ,		9
20	Data resource profile: Household Influenza Vaccine Evaluation (HIVE) Study. <i>International Journal of Epidemiology</i> , 2019 , 48, 1040-1040g	7.8	8
19	Pre-existing heterosubtypic immunity provides a barrier to airborne transmission of influenza viruses. <i>PLoS Pathogens</i> , 2021 , 17, e1009273	7.6	7
18	The Early Evolution of Oral Poliovirus Vaccine Is Shaped by Strong Positive Selection and Tight Transmission Bottlenecks. <i>Cell Host and Microbe</i> , 2021 , 29, 32-43.e4	23.4	6
17	Whole genome sequencing to identify host genetic risk factors for severe outcomes of hepatitis a virus infection. <i>Journal of Medical Virology</i> , 2014 , 86, 1661-8	19.7	5
16	The mutation rates and mutational bias of influenza A virus		5
15	Stochastic processes dominate the within and between host evolution of influenza virus		5
14	Influenza B viruses exhibit lower within-host diversity than influenza A viruses in human hosts		5
13	SARS-CoV-2 Total and Subgenomic RNA Viral Load in Hospitalized Patients 2021 ,		5
12	Alveolar macrophage-derived extracellular vesicles inhibit endosomal fusion of influenza virus. <i>EMBO Journal</i> , 2020 , 39, e105057	13	4
11	Influenza Vaccine Effectiveness in the Inpatient Setting: Evaluation of Potential Bias in the Test-Negative Design by Use of Alternate Control Groups. <i>American Journal of Epidemiology</i> , 2020 , 189, 250-260	3.8	4
10	Coronavirus disease 2019 (COVID-19) research agenda for healthcare epidemiology. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 1-11	2	4
9	SARS-CoV-2 Genomic Surveillance Reveals Little Spread From a Large University Campus to the Surrounding Community. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab518	1	3
8	Humidity and deposition solution play a critical role in virus inactivation by heat treatment on N95 respirators		3
7	Severe Acute Respiratory Syndrome Coronavirus 2 Surveillance in Decedents in a Large, Urban Medical Examiner's Office. <i>Clinical Infectious Diseases</i> , 2021 , 72, e580-e585	11.6	3
6	Effectiveness of mRNA vaccines in preventing COVID-19 hospitalization by age and burden of chronic medical conditions among immunocompetent US adults, March-August 2021.. <i>Journal of Infectious Diseases</i> , 2021 ,	7	2

5	Author response: Stochastic processes constrain the within and between host evolution of influenza virus 2018 ,		2
4	Monoclonal Antibodies for Early Treatment of COVID-19 in a World of Evolving SARS-CoV-2 Mutations and Variants. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab268	1	2
3	Hospital Associated Respiratory Virus Infection in Children and Adults: It Does Not Just Occur During Cold and Flu Season. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa200	1	1
2	The early evolution of oral poliovirus vaccine is shaped by strong positive selection and tight transmission bottlenecks		1
1	Lessons from Reverse Translation. <i>PLoS Pathogens</i> , 2016 , 12, e1005516		7.6