

Ashleigh R Tuite

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,927
citations

186254

28
h-index

155644

55
g-index

124
all docs

124
docs citations

124
times ranked

6231
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical modelling of COVID-19 transmission and mitigation strategies in the population of Ontario, Canada. <i>Cmaj</i> , 2020, 192, E497-E505.	2.0	326
2	Evaluation of the relative virulence of novel SARS-CoV-2 variants: a retrospective cohort study in Ontario, Canada. <i>Cmaj</i> , 2021, 193, E1619-E1625.	2.0	220
3	Risk Factors Associated With Mortality Among Residents With Coronavirus Disease 2019 (COVID-19) in Long-term Care Facilities in Ontario, Canada. <i>JAMA Network Open</i> , 2020, 3, e2015957.	5.9	215
4	Cholera Epidemic in Haiti, 2010: Using a Transmission Model to Explain Spatial Spread of Disease and Identify Optimal Control Interventions. <i>Annals of Internal Medicine</i> , 2011, 154, 593.	3.9	214
5	Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza. <i>Cmaj</i> , 2010, 182, 131-136.	2.0	212
6	Early Epidemic Dynamics of the West African 2014 Ebola Outbreak: Estimates Derived with a Simple Two-Parameter Model. <i>PLOS Currents</i> , 2014, 6, .	1.4	144
7	Estimation of Coronavirus Disease 2019 (COVID-19) Burden and Potential for International Dissemination of Infection From Iran. <i>Annals of Internal Medicine</i> , 2020, 172, 699-701.	3.9	127
8	Open access epidemiologic data and an interactive dashboard to monitor the COVID-19 outbreak in Canada. <i>Cmaj</i> , 2020, 192, E420-E420.	2.0	127
9	Estimation of COVID-19 outbreak size in Italy. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 537.	9.1	125
10	Reporting, Epidemic Growth, and Reproduction Numbers for the 2019 Novel Coronavirus (2019-nCoV) Epidemic. <i>Annals of Internal Medicine</i> , 2020, 172, 567.	3.9	118
11	Examining rainfall and cholera dynamics in Haiti using statistical and dynamic modeling approaches. <i>Epidemics</i> , 2013, 5, 197-207.	3.0	96
12	A mutation in the <i>Icsbp1</i> gene causes susceptibility to infection and a chronic myeloid leukemia-like syndrome in BXH-2 mice. <i>Journal of Experimental Medicine</i> , 2005, 201, 881-890.	8.5	93
13	Optimal Pandemic Influenza Vaccine Allocation Strategies for the Canadian Population. <i>PLoS ONE</i> , 2010, 5, e10520.	2.5	84
14	An IDEA for Short Term Outbreak Projection: Nearcasting Using the Basic Reproduction Number. <i>PLoS ONE</i> , 2013, 8, e83622.	2.5	82
15	Dysregulated Inflammatory Response to <i>Candida albicans</i> in a C5-Deficient Mouse Strain. <i>Infection and Immunity</i> , 2004, 72, 5868-5876.	2.2	73
16	Alternative Dose Allocation Strategies to Increase Benefits From Constrained COVID-19 Vaccine Supply. <i>Annals of Internal Medicine</i> , 2021, 174, 570-572.	3.9	71
17	Infectious disease implications of large-scale migration of Venezuelan nationals. <i>Journal of Travel Medicine</i> , 2018, 25, .	3.0	67
18	The Crystal Structure of Bacteriophage HK97 gp6: Defining a Large Family of Head-Tail Connector Proteins. <i>Journal of Molecular Biology</i> , 2010, 395, 754-768.	4.2	62

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19	Screen more or screen more often? Using mathematical models to inform syphilis control strategies. BMC Public Health, 2013, 13, 606.	2.9	48
20	Evaluation of Coseasonality of Influenza and Invasive Pneumococcal Disease: Results from Prospective Surveillance. PLoS Medicine, 2011, 8, e1001042.	8.4	43
21	Geographical Variability in the Likelihood of Bloodstream Infections Due to Gram-Negative Bacteria: Correlation with Proximity to the Equator and Health Care Expenditure. PLoS ONE, 2014, 9, e114548.	2.5	42
22	Socio-demographic disparities in knowledge, practices, and ability to comply with COVID-19 public health measures in Canada. Canadian Journal of Public Health, 2021, 112, 363-375.	2.3	40
23	Modelling scenarios of the epidemic of COVID-19 in Canada. Canada Communicable Disease Report, 2020, 46, 198-204.	1.3	39
24	Bidirectional impact of imperfect mask use on reproduction number of COVID-19: A next generation matrix approach. Infectious Disease Modelling, 2020, 5, 405-408.	1.9	38
25	Vaccination against 2009 pandemic H1N1 in a population dynamical model of Vancouver, Canada: timing is everything. BMC Public Health, 2011, 11, 932.	2.9	36
26	Estimation of the Burden of Disease and Costs of Genital Chlamydia trachomatis Infection in Canada. Sexually Transmitted Diseases, 2012, 39, 260-267.	1.7	36
27	Estimation of the COVID-19 burden in Egypt through exported case detection. Lancet Infectious Diseases, The, 2020, 20, 894.	9.1	36
28	Impact of El Niño Southern Oscillation on infectious disease hospitalization risk in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14589-14594.	7.1	34
29	Global trends in air travel: implications for connectivity and resilience to infectious disease threats. Journal of Travel Medicine, 2020, 27, .	3.0	33
30	Cost-Effectiveness of Enhanced Syphilis Screening among HIV-Positive Men Who Have Sex with Men: A Microsimulation Model. PLoS ONE, 2014, 9, e101240.	2.5	28
31	Estimation of the Health Impact and Cost-Effectiveness of Influenza Vaccination with Enhanced Effectiveness in Canada. PLoS ONE, 2011, 6, e27420.	2.5	27
32	The effect of seasonal respiratory virus transmission on syndromic surveillance for COVID-19 in Ontario, Canada. Lancet Infectious Diseases, The, 2021, 21, 593-594.	9.1	27
33	The impact of genomics on the analysis of host resistance to infectious disease. Microbes and Infection, 2006, 8, 1647-1653.	1.9	26
34	Respiratory Virus Infection and Risk of Invasive Meningococcal Disease in Central Ontario, Canada. PLoS ONE, 2010, 5, e15493.	2.5	26
35	Impact of population mixing between vaccinated and unvaccinated subpopulations on infectious disease dynamics: implications for SARS-CoV-2 transmission. Cmaj, 2022, 194, E573-E580.	2.0	26
36	Go big or go home: impact of screening coverage on syphilis infection dynamics. Sexually Transmitted Infections, 2016, 92, 49-54.	1.9	24

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37	Web and phone-based COVID-19 syndromic surveillance in Canada: A cross-sectional study. PLoS ONE, 2020, 15, e0239886.	2.5	24
38	Ebola virus outbreak in North Kivu and Ituri provinces, Democratic Republic of Congo, and the potential for further transmission through commercial air travel. Journal of Travel Medicine, 2019, 26, .	3.0	23
39	The Factor XII α Variant and Risk of Common Thrombotic Disorders: A HuGE Review and Meta-Analysis of Evidence From Observational Studies. American Journal of Epidemiology, 2011, 173, 136-144.	3.4	21
40	A Conserved Spiral Structure for Highly Diverged Phage Tail Assembly Chaperones. Journal of Molecular Biology, 2013, 425, 2436-2449.	4.2	20
41	Derivation and Validation of Clinical Prediction Rules for COVID-19 Mortality in Ontario, Canada. Open Forum Infectious Diseases, 2020, 7, ofaa463.	0.9	20
42	Estimation of the Underlying Burden of Pertussis in Adolescents and Adults in Southern Ontario, Canada. PLoS ONE, 2013, 8, e83850.	2.5	20
43	Risk for COVID-19 Resurgence Related to Duration and Effectiveness of Physical Distancing in Ontario, Canada. Annals of Internal Medicine, 2020, 173, 675-678.	3.9	19
44	A sub-national real-time epidemiological and vaccination database for the COVID-19 pandemic in Canada. Scientific Data, 2021, 8, 173.	5.3	19
45	COVID-19 Case Age Distribution: Correction for Differential Testing by Age. Annals of Internal Medicine, 2021, 174, 1430-1438.	3.9	19
46	The Effect of Changes in Cervical Cancer Screening Guidelines on Chlamydia Testing. Annals of Family Medicine, 2017, 15, 329-334.	1.9	17
47	Effects of large-scale oceanic phenomena on non-cholera vibriosis incidence in the United States: implications for climate change. Epidemiology and Infection, 2019, 147, e243.	2.1	17
48	Historical Epidemiology of the Second Cholera Pandemic: Relevance to Present Day Disease Dynamics. PLoS ONE, 2013, 8, e72498.	2.5	16
49	The Impact of Screening and Partner Notification on Chlamydia Prevalence and Numbers of Infections Averted in the United States, 2000–2015: Evaluation of Epidemiologic Trends Using a Pair-Formation Transmission Model. American Journal of Epidemiology, 2019, 188, 545-554.	3.4	16
50	Association between air travel and importation of chikungunya into the USA. Journal of Travel Medicine, 2019, 26, .	3.0	15
51	Projected cost-savings with herpes simplex virus screening in pregnancy: towards a new screening paradigm. Sexually Transmitted Infections, 2011, 87, 141-148.	1.9	14
52	Number-needed-to-vaccinate calculations: Fallacies associated with exclusion of transmission. Vaccine, 2013, 31, 973-978.	3.8	14
53	Relatedness of the incidence decay with exponential adjustment (IDEA) model, α Farr's law and SIR compartmental difference equation models. Infectious Disease Modelling, 2018, 3, 1-12.	1.9	14
54	The IDEA model: A single equation approach to the Ebola forecasting challenge. Epidemics, 2018, 22, 71-77.	3.0	14

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55	Can enhanced screening of men with a history of prior syphilis infection stem the epidemic in men who have sex with men? A mathematical modelling study. <i>Sexually Transmitted Infections</i> , 2018, 94, 105-110.	1.9	14
56	Projected Impact of Vaccination Timing and Dose Availability on the Course of the 2014 West African Ebola Epidemic. <i>PLOS Currents</i> , 2014, 6, .	1.4	14
57	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) seroprevalence: Navigating the absence of a gold standard. <i>PLoS ONE</i> , 2021, 16, e0257743.	2.5	13
58	The epidemiology of MERS-CoV. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 6-7.	9.1	12
59	Optimizing Coverage vs Frequency for Sexually Transmitted Infection Screening of Men Who Have Sex With Men. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz405.	0.9	12
60	Quantifying contact patterns in response to COVID-19 public health measures in Canada. <i>BMC Public Health</i> , 2021, 21, 2040.	2.9	12
61	Age-Specific Changes in Virulence Associated with SARS-CoV-2 Variants of Concern. <i>Clinical Infectious Diseases</i> , 2022, , .	5.8	12
62	Stochastic agent-based modeling of tuberculosis in Canadian Indigenous communities. <i>BMC Public Health</i> , 2017, 17, 73.	2.9	11
63	Association of Influenza Activity and Environmental Conditions With the Risk of Invasive Pneumococcal Disease. <i>JAMA Network Open</i> , 2020, 3, e2010167.	5.9	11
64	Temporal Associations between Community Incidence of COVID-19 and Nursing Home Outbreaks in Ontario, Canada. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 260-262.	2.5	11
65	Age Is Just a Number: A Critically Important Number for COVID-19 Case Fatality. <i>Annals of Internal Medicine</i> , 2020, 173, 762-763.	3.9	10
66	Modelling airport catchment areas to anticipate the spread of infectious diseases across land and air travel. <i>Spatial and Spatio-temporal Epidemiology</i> , 2021, 36, 100380.	1.7	10
67	Potential for Seasonal Lassa Fever Case Exportation from Nigeria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 100, 647-651.	1.4	10
68	Estimated Impact of Screening on Gonorrhea Epidemiology in the United States: Insights From a Mathematical Model. <i>Sexually Transmitted Diseases</i> , 2018, 45, 713-722.	1.7	9
69	Optimal Pandemic Influenza Vaccine Allocation Strategies for the Canadian Population. <i>PLOS Currents</i> , 2010, 2, RRN1144.	1.4	9
70	Relative Virulence of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Among Vaccinated and Unvaccinated Individuals Hospitalized With SARS-CoV-2. <i>Clinical Infectious Diseases</i> , 2023, 76, e409-e415.	5.8	9
71	Resistance of SARS-CoV-2 beta and gamma variants to plasma collected from Canadian blood donors during the spring of 2020. <i>Transfusion</i> , 2021, , .	1.6	8
72	Estimating SARS-CoV-2 Seroprevalence in Canadian Blood Donors, April 2020 to March 2021: Improving Accuracy with Multiple Assays. <i>Microbiology Spectrum</i> , 2022, 10, e0256321.	3.0	8

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73	Seasonal Influenza Vaccine Allocation in the Canadian Population during a Pandemic. PLOS Currents, 2009, 1, RRN1143.	1.4	7
74	Cholera, canals, and contagion: Rediscovering Dr Beck's report. Journal of Public Health Policy, 2011, 32, 320-333.	2.0	6
75	Ebola: no time to waste. Lancet Infectious Diseases, The, 2014, 14, 1164-1165.	9.1	6
76	Seasonal Influenza Forecasting in Real Time Using the Incidence Decay With Exponential Adjustment Model. Open Forum Infectious Diseases, 2017, 4, ofx166.	0.9	6
77	Asymptomatic infection is the pandemic's dark matter. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
78	Exploring How Epidemic Context Influences Syphilis Screening Impact: A Mathematical Modeling Study. Sexually Transmitted Diseases, 2020, 47, 798-810.	1.7	6
79	Comparison of longitudinal trends in self-reported symptoms and COVID-19 case activity in Ontario, Canada. PLoS ONE, 2022, 17, e0262447.	2.5	6
80	The health and economic burden of pertussis in Canada: A microsimulation study. Vaccine, 2019, 37, 7240-7247.	3.8	5
81	Countries at risk of importation of chikungunya virus cases from Southern Thailand: A modeling study. Infectious Disease Modelling, 2019, 4, 251-256.	1.9	5
82	The Potential Population-Level Impact of Different Gonorrhoea Screening Strategies in Baltimore and San Francisco: An Exploratory Mathematical Modeling Analysis. Sexually Transmitted Diseases, 2020, 47, 143-150.	1.7	5
83	A Qualitative Comparison of the Abbott SARS-CoV-2 IgG II Quant Assay against Commonly Used Canadian SARS-CoV-2 Enzyme Immunoassays in Blood Donor Retention Specimens, April 2020 to March 2021. Microbiology Spectrum, 0, , .	3.0	5
84	Spectrum Bias and Loss of Statistical Power in Discordant Couple Studies of Sexually Transmitted Infections. Sexually Transmitted Diseases, 2011, 38, 50-56.	1.7	4
85	Measles and the 2019 Hajj: risk of international transmission. Journal of Travel Medicine, 2019, 26, .	3.0	4
86	Severity of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Pregnancy in Ontario: A Matched Cohort Analysis. Clinical Infectious Diseases, 2023, 76, e200-e206.	5.8	4
87	Shaping the future of the COVID-19 pandemic in Canada. Cmaj, 2020, 192, E1074-E1075.	2.0	2
88	Sporadic SARS-CoV-2 cases at the neighbourhood level in Toronto, Ontario, 2020: a spatial analysis of the early pandemic period. CMAJ Open, 2022, 10, E190-E195.	2.4	2
89	The DAGs of war. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23880-23882.	7.1	1
90	Estimation of Coronavirus Disease 2019 Burden and Potential for International Dissemination of Infection From Iran. Annals of Internal Medicine, 2020, 173, 74-75.	3.9	1

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91	Estimation of COVID-19 burden in Egypt – Authors' reply. Lancet Infectious Diseases, The, 2020, 20, 897-898.	9.1	1
92	A Transmission Model of the 2010 Cholera Epidemic in Haiti. Annals of Internal Medicine, 2011, 155, 404.	3.9	0
93	The Epidemiology of Sexual Partnerships – It's Complicated. JAMA Network Open, 2018, 1, e185997.	5.9	0
94	Web and phone-based COVID-19 syndromic surveillance in Canada: A cross-sectional study. , 2020, 15, e0239886.		0
95	Web and phone-based COVID-19 syndromic surveillance in Canada: A cross-sectional study. , 2020, 15, e0239886.		0
96	Web and phone-based COVID-19 syndromic surveillance in Canada: A cross-sectional study. , 2020, 15, e0239886.		0
97	Web and phone-based COVID-19 syndromic surveillance in Canada: A cross-sectional study. , 2020, 15, e0239886.		0