Michael A Irvine

List of Publications by Year
in descending order

41 papers	1,240 citations	623734 14 h-index	414414 32 g-index
52 all docs	52 docs citations	52 times ranked	1809 citing authors

#	Article	IF	Citations
1	Severe COVID-19 Infection and Pediatric Comorbidities: A Systematic Review and Meta-Analysis. International Journal of Infectious Diseases, 2021, 103, 246-256.	3.3	239
2	Modelling the combined impact of interventions in averting deaths during a synthetic€opioid overdose epidemic. Addiction, 2019, 114, 1602-1613.	3.3	124
3	Effectiveness of a triple-drug regimen for global elimination of lymphatic filariasis: a modelling study. Lancet Infectious Diseases, The, 2017, 17, 451-458.	9.1	86
4	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. Parasites and Vectors, 2015, 8, 630.	2.5	80
5	Distribution of take-home opioid antagonist kits during a synthetic opioid epidemic in British Columbia, Canada: a modelling study. Lancet Public Health, The, 2018, 3, e218-e225.	10.0	76
6	Quantifying the impact of COVID-19 control measures using a Bayesian model of physical distancing. PLoS Computational Biology, 2020, 16, e1008274.	3.2	67
7	Modelling strategies to break transmission of lymphatic filariasis - aggregation, adherence and vector competence greatly alter elimination. Parasites and Vectors, 2015, 8, 547.	2.5	65
8	Paediatric patients seen in 18 emergency departments during the COVID-19 pandemic. Emergency Medicine Journal, 2020, 37, emermed-2020-210273.	1.0	56
9	Cost-effectiveness of screening for HIV in primary care: a health economics modelling analysis. Lancet HIV,the, 2017, 4, e465-e474.	4.7	50
10	Predicting lymphatic filariasis transmission and elimination dynamics using a multi-model ensemble framework. Epidemics, 2017, 18, 16-28.	3.0	40
11	Estimating naloxone need in the USA across fentanyl, heroin, and prescription opioid epidemics: a modelling study. Lancet Public Health, The, 2022, 7, e210-e218.	10.0	33
12	Modeling COVID-19 and Its Impacts on U.S. Immigration and CustomsÂEnforcement (ICE) Detention Facilities, 2020. Journal of Urban Health, 2020, 97, 439-447.	3.6	32
13	Are Alternative Strategies Required to Accelerate the Global Elimination of Lymphatic Filariasis? Insights From Mathematical Models. Clinical Infectious Diseases, 2018, 66, S260-S266.	5.8	27
14	Understanding heterogeneities in mosquito-bite exposure and infection distributions for the elimination of lymphatic filariasis. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172253.	2.6	21
15	The use of mixture density networks in the emulation of complex epidemiological individual-based models. PLoS Computational Biology, 2020, 16, e1006869.	3.2	18
16	Visual Analytic Tools and Techniques in Population Health and Health Services Research: Scoping Review. Journal of Medical Internet Research, 2020, 22, e17892.	4.3	18
17	Understanding the relationship between prevalence of microfilariae and antigenaemia using a model of lymphatic filariasis infection. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 118-124.	1.8	14
18	SARS-CoV-2 seroprevalence among Vancouver public school staff in British Columbia, Canada: a cross-sectional study. BMJ Open, 2022, 12, e057846.	1.9	14

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19	Estimates of opioid use disorder prevalence from a regression-based multi-sample stratified capture-recapture analysis. Drug and Alcohol Dependence, 2020, 217, 108337.	3.2	13
20	Making Transmission Models Accessible to End-Users: The Example of TRANSFIL. PLoS Neglected Tropical Diseases, 2017, 11, e0005206.	3.0	12
21	Defining a prevalence level to describe the elimination of Lymphatic Filariasis (LF) transmission and designing monitoring & evaluating (M&E) programmes post the cessation of mass drug administration (MDA). PLoS Neglected Tropical Diseases, 2020, 14, e0008644.	3.0	12
22	Mathematical modeling of COVID-19 in British Columbia: An age-structured model with time-dependent contact rates. Epidemics, 2022, 39, 100559.	3.0	12
23	Fractal measures of spatial pattern as a heuristic for return rate in vegetative systems. Royal Society Open Science, 2016, 3, 150519.	2.4	11
24	Aggregation dynamics explain vegetation patch-size distributions. Theoretical Population Biology, 2016, 108, 70-74.	1.1	10
25	Visual Analytic Tools and Techniques in Population Health and Health Services Research: Protocol for a Scoping Review. JMIR Research Protocols, 2019, 8, e14019.	1.0	10
26	Kernel-density estimation and approximate Bayesian computation for flexible epidemiological model fitting in Python. Epidemics, 2018, 25, 80-88.	3.0	9
27	Interactive Visualization Applications in Population Health and Health Services Research: Systematic Scoping Review. Journal of Medical Internet Research, 2022, 24, e27534.	4.3	9
28	Anti-Thymocyte Globulin Prophylaxis Induces a Decrease in Naive Th Cells to Inhibit the Onset of Chronic Graft-versus-Host Disease: Results from the Canadian Bone Marrow Transplant Group (CBMTG) 0801 Study. Biology of Blood and Marrow Transplantation, 2020, 26, 438-444.	2.0	8
29	Application of the Eosinophilic Esophagitis Histology Scoring System Grade Scores in Patients at British Columbia Children's Hospital. Fetal and Pediatric Pathology, 2022, 41, 962-976.	0.7	7
30	A novel Bayesian approach to predicting reductions in HIV incidence following increased testing interventions among gay, bisexual and other men who have sex with men in Vancouver, Canada. Journal of the Royal Society Interface, 2018, 15, 20170849.	3.4	6
31	An Interrupted Time-Series Analysis of Pediatric Emergency Department Visits During the Coronavirus Disease 2019 Pandemic. Pediatric Emergency Care, 2021, 37, 325-328.	0.9	6
32	Disease transmission promotes evolution of host spatial patterns. Journal of the Royal Society Interface, 2016, 13, 20160463.	3.4	4
33	Conservation of pattern as a tool for inference on spatial snapshots in ecological data. Scientific Reports, 2018, 8, 132.	3.3	3
34	The role of mathematical modelling in aiding public health policy decision-making: A case study of the BC opioid overdose emergency. International Journal of Drug Policy, 2021, 88, 102603.	3.3	3
35	Quantifying transmissibility of SARS-CoV-2 and impact of intervention within long-term healthcare facilities. Royal Society Open Science, 2022, 9, 211710.	2.4	2
36	Predicting the impact of clustered risk and testing behaviour patterns on the population-level effectiveness of pre-exposure prophylaxis against HIV among gay, bisexual and other men who have sex with men in Greater Vancouver, Canada. Epidemics, 2020, 30, 100360.	3.0	1

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37	Conservative and surgical modalities in the management of paediatric parapneumonic effusion and empyema: a protocol for a living systematic review and network meta-analysis. BMJ Open, 2021, 11, e045010.	1.9	1
38	Urine sodium to urine creatinine ratio as a marker of total body sodium in infants with intestinal failure. Journal of Pediatric Surgery, 2022, 57, 937-940.	1.6	1
39	Validation of a clinical prediction rule to predict asymptomatic chlamydia and gonorrhoea infections among internet-based testers. Sexually Transmitted Diseases, 2020, Publish Ahead of Print, 481-487.	1.7	0
40	Whole blood genome-wide transcriptome profiling and metagenomics next-generation sequencing in young infants with suspected sepsis in low-and middle-income countries: A study protocol. Gates Open Research, 2020, 4, 139.	1.1	0
41	Whole blood genome-wide transcriptome profiling and metagenomics next-generation sequencing in young infants with suspected sepsis in a low-and middle-income country: A study protocol. Gates Open Research, 0, 4, 139.	1.1	0