Ping Yan

List of Publications by Year in Descending Order

39 papers	1,457 citations	17 h-index	38 g-index
42 ext. papers	1,702 ext. citations	4.8 avg, IF	5.12 L-index

#	Paper	IF	Citations
39	A semi-parametric mixed model for short-term projection of daily COVID-19 incidence in Canada.. *Epidemics*, **2022**, 38, 100537	5.1	1
38	The performance of phenomenological models in providing near-term Canadian case projections in the midst of the COVID-19 pandemic: March - April, 2020. *Epidemics*, **2021**, 35, 100457	5.1	2
37	On testing for infections during epidemics, with application to Covid-19 in Ontario, Canada. *Infectious Disease Modelling*, **2021**, 6, 930-941	15.7	2
36	Real-time monitoring the transmission potential of COVID-19 in Singapore, March 2020. *BMC Medicine*, **2020**, 18, 166	11.4	59
35	Short-term Forecasts of the COVID-19 Epidemic in Guangdong and Zhejiang, China: February 13-23, 2020. *Journal of Clinical Medicine*, **2020**, 9,	5.1	126
34	Real-time forecasts of the COVID-19 epidemic in China from February 5th to February 24th, 2020. *Infectious Disease Modelling*, **2020**, 5, 256-263	15.7	373
33	Real-time monitoring the transmission potential of COVID-19 in Singapore, March 2020 **2020**,		17
32	Multi-model forecasts of the ongoing Ebola epidemic in the Democratic Republic of Congo, March-October 2019. *Journal of the Royal Society Interface*, **2020**, 17, 20200447	4.1	6
31	Spatial variability in the reproduction number of Ebola virus disease, Democratic Republic of the Congo, January-September 2019. *Eurosurveillance*, **2019**, 24,	19.8	7
30	Behaviors of a Disease Outbreak During the Initial Phase and the Branching Process Approximation. *Texts in Applied Mathematics*, **2019**, 79-133	2.1	
29	Mechanistic Models with Spatial Structures and Reactive Behavior Change. *Texts in Applied Mathematics*, **2019**, 317-334	2.1	1
28	More Complex Models and Control Measures. *Texts in Applied Mathematics*, **2019**, 183-215	2.1	
27	Some Statistical Issues. *Texts in Applied Mathematics*, **2019**, 217-271	2.1	
26	Quantitative Methods for Investigating Infectious Disease Outbreaks. *Texts in Applied Mathematics*, **2019**,	2.1	25
25	A case study of nonlinear programming approach for repeated testing of HIV in a population stratified by subpopulations according to different risks of new infections. *Operations Research for Health Care*, **2018**, 19, 120-133	1.8	3
24	A frailty model for intervention effectiveness against disease transmission when implemented with unobservable heterogeneity. *Mathematical Biosciences and Engineering*, **2018**, 15, 275-298	2.1	3
23	Empirical estimation of life expectancy from a linked health database of adults who entered care for HIV. *PLoS ONE*, **2018**, 13, e0195031	3.7	2

22	Identifying and describing a cohort effect in the national database of reported cases of hepatitis C virus infection in Canada (1991-2010): an age-period-cohort analysis. *CMAJ Open*, **2014**, 2, E281-7	2.5	10
21	Estimated prevalence of Hepatitis C Virus infection in Canada, 2011. *Canada Communicable Disease Report*, **2014**, 40, 429-436	3.1	88
20	Estimating the transmission potential of supercritical processes based on the final size distribution of minor outbreaks. *Journal of Theoretical Biology*, **2012**, 294, 48-55	2.3	38
19	Using HIV Diagnostic Data to Estimate HIV Incidence: Method and Simulation. *Statistical Communications in Infectious Diseases*, **2011**, 3,	0.7	7
18	Pandemic influenza: Modelling and public health perspectives. *Mathematical Biosciences and Engineering*, **2011**, 8, 1-20	2.1	15
17	Transmissibility of the 1918 pandemic influenza in Montreal and Winnipeg of Canada. *Influenza and Other Respiratory Viruses*, **2010**, 4, 27-31	5.6	6
16	Estimates of the number of prevalent and incident human immunodeficiency virus (HIV) infections in Canada, 2008. *Canadian Journal of Public Health*, **2010**, 101, 486-90	3.2	20
15	Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza. *Cmaj*, **2010**, 182, 131-6	3.5	185
14	Variability order of the latent and the infectious periods in a deterministic SEIR epidemic model and evaluation of control effectiveness. *Mathematical Biosciences*, **2010**, 224, 43-52	3.9	16
13	Increasing HIV transmission through male homosexual and heterosexual contact in Australia: results from an extended back-projection approach. *HIV Medicine*, **2010**, 11, 395-403	2.7	22
12	Modelling an influenza pandemic: A guide for the perplexed. *Cmaj*, **2009**, 181, 171-3	3.5	41
11	Characterizing trends in HIV infection among men who have sex with men in Australia by birth cohorts: results from a modified back-projection method. *Journal of the International AIDS Society*, **2009**, 12, 19	5.4	22
10	Errors in \BED\derived estimates of HIV incidence will vary by place, time and age. *PLoS ONE*, **2009**, 4, e5720	3.7	50
9	Separate roles of the latent and infectious periods in shaping the relation between the basic reproduction number and the intrinsic growth rate of infectious disease outbreaks. *Journal of Theoretical Biology*, **2008**, 251, 238-52	2.3	27
8	Distribution Theory, Stochastic Processes and Infectious Disease Modelling. *Lecture Notes in Mathematics*, **2008**, 229-293	0.4	15
7	NON-IDENTIFIABLES AND INVARIANT QUANTITIES IN INFECTIOUS DISEASE MODELS. *Lecture Notes Series, Institute for Mathematical Sciences*, **2008**, 167-229	0.1	2
6	Modelling the evolution of drug resistance in the presence of antiviral drugs. *BMC Public Health*, **2007**, 7, 300	4.1	8
5	Emergence of drug resistance: implications for antiviral control of pandemic influenza. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 1675-84	4.4	69

4	Combining data sources to monitor the HIV epidemic in Canada. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2003**, 32 Suppl 1, S24-32	3.1	7
3	Multi-state Markov models for analysing incomplete disease history data with illustrations for HIV disease. *Statistics in Medicine*, **1994**, 13, 805-21	2.3	123
2	Risk Calculations for HIV Transmission From Infected Health Care Workers. *JAMA - Journal of the American Medical Association*, **1993**, 270, 1544	27.4	
1	Acquired immune deficiency syndrome case reporting system - Addressing the problem of reporting delay. *Canadian Journal of Infectious Diseases & Medical Microbiology*, **1993**, 4, 57-8		