

# Ping Yan

## 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.

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	Real-time forecasts of the COVID-19 epidemic in China from February 5th to February 24th, 2020. <i>Infectious Disease Modelling</i> , <b>2020</b> , 5, 256-263	15.7	373
38	Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza. <i>Cmaj</i> , <b>2010</b> , 182, 131-6	3.5	185
37	Short-term Forecasts of the COVID-19 Epidemic in Guangdong and Zhejiang, China: February 13-23, 2020. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	126
36	Multi-state Markov models for analysing incomplete disease history data with illustrations for HIV disease. <i>Statistics in Medicine</i> , <b>1994</b> , 13, 805-21	2.3	123
35	Estimated prevalence of Hepatitis C Virus infection in Canada, 2011. <i>Canada Communicable Disease Report</i> , <b>2014</b> , 40, 429-436	3.1	88
34	Emergence of drug resistance: implications for antiviral control of pandemic influenza. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 1675-84	4.4	69
33	Real-time monitoring the transmission potential of COVID-19 in Singapore, March 2020. <i>BMC Medicine</i> , <b>2020</b> , 18, 166	11.4	59
32	Errors in $\mathbb{B}ED\mathbb{V}$ derived estimates of HIV incidence will vary by place, time and age. <i>PLoS ONE</i> , <b>2009</b> , 4, e5720	3.7	50
31	Modelling an influenza pandemic: A guide for the perplexed. <i>Cmaj</i> , <b>2009</b> , 181, 171-3	3.5	41
30	Estimating the transmission potential of supercritical processes based on the final size distribution of minor outbreaks. <i>Journal of Theoretical Biology</i> , <b>2012</b> , 294, 48-55	2.3	38
29	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. <i>Journal of Theoretical Biology</i> , <b>2008</b> , 251, 238-52	2.3	27
28	Quantitative Methods for Investigating Infectious Disease Outbreaks. <i>Texts in Applied Mathematics</i> , <b>2019</b> ,	2.1	25
27	Characterizing trends in HIV infection among men who have sex with men in Australia by birth cohorts: results from a modified back-projection method. <i>Journal of the International AIDS Society</i> , <b>2009</b> , 12, 19	5.4	22
26	Increasing HIV transmission through male homosexual and heterosexual contact in Australia: results from an extended back-projection approach. <i>HIV Medicine</i> , <b>2010</b> , 11, 395-403	2.7	22
25	Estimates of the number of prevalent and incident human immunodeficiency virus (HIV) infections in Canada, 2008. <i>Canadian Journal of Public Health</i> , <b>2010</b> , 101, 486-90	3.2	20
24	Real-time monitoring the transmission potential of COVID-19 in Singapore, March 2020 <b>2020</b> ,		17
23	Variability order of the latent and the infectious periods in a deterministic SEIR epidemic model and evaluation of control effectiveness. <i>Mathematical Biosciences</i> , <b>2010</b> , 224, 43-52	3.9	16

22	Pandemic influenza: Modelling and public health perspectives. <i>Mathematical Biosciences and Engineering</i> , <b>2011</b> , 8, 1-20	2.1	15
21	Distribution Theory, Stochastic Processes and Infectious Disease Modelling. <i>Lecture Notes in Mathematics</i> , <b>2008</b> , 229-293	0.4	15
20	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. <i>CMAJ Open</i> , <b>2014</b> , 2, E281-7	2.5	10
19	Modelling the evolution of drug resistance in the presence of antiviral drugs. <i>BMC Public Health</i> , <b>2007</b> , 7, 300	4.1	8
18	Using HIV Diagnostic Data to Estimate HIV Incidence: Method and Simulation. <i>Statistical Communications in Infectious Diseases</i> , <b>2011</b> , 3,	0.7	7
17	Combining data sources to monitor the HIV epidemic in Canada. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2003</b> , 32 Suppl 1, S24-32	3.1	7
16	Spatial variability in the reproduction number of Ebola virus disease, Democratic Republic of the Congo, January-September 2019. <i>Eurosurveillance</i> , <b>2019</b> , 24,	19.8	7
15	Transmissibility of the 1918 pandemic influenza in Montreal and Winnipeg of Canada. <i>Influenza and Other Respiratory Viruses</i> , <b>2010</b> , 4, 27-31	5.6	6
14	Multi-model forecasts of the ongoing Ebola epidemic in the Democratic Republic of Congo, March-October 2019. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200447	4.1	6
13	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. <i>Operations Research for Health Care</i> , <b>2018</b> , 19, 120-133	1.8	3
12	A frailty model for intervention effectiveness against disease transmission when implemented with unobservable heterogeneity. <i>Mathematical Biosciences and Engineering</i> , <b>2018</b> , 15, 275-298	2.1	3
11	NON-IDENTIFIABLES AND INVARIANT QUANTITIES IN INFECTIOUS DISEASE MODELS. <i>Lecture Notes Series, Institute for Mathematical Sciences</i> , <b>2008</b> , 167-229	0.1	2
10	The performance of phenomenological models in providing near-term Canadian case projections in the midst of the COVID-19 pandemic: March - April, 2020. <i>Epidemics</i> , <b>2021</b> , 35, 100457	5.1	2
9	On testing for infections during epidemics, with application to Covid-19 in Ontario, Canada. <i>Infectious Disease Modelling</i> , <b>2021</b> , 6, 930-941	15.7	2
8	Empirical estimation of life expectancy from a linked health database of adults who entered care for HIV. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195031	3.7	2
7	A semi-parametric mixed model for short-term projection of daily COVID-19 incidence in Canada.. <i>Epidemics</i> , <b>2022</b> , 38, 100537	5.1	1
6	Mechanistic Models with Spatial Structures and Reactive Behavior Change. <i>Texts in Applied Mathematics</i> , <b>2019</b> , 317-334	2.1	1
5	Risk Calculations for HIV Transmission From Infected Health Care Workers. <i>JAMA - Journal of the American Medical Association</i> , <b>1993</b> , 270, 1544	27.4	

- 4 Acquired immune deficiency syndrome case reporting system - Addressing the problem of reporting delay. *Canadian Journal of Infectious Diseases & Medical Microbiology*, **1993**, 4, 57-8
- 3 Behaviors of a Disease Outbreak During the Initial Phase and the Branching Process Approximation. *Texts in Applied Mathematics*, **2019**, 79-133 2.1
- 2 More Complex Models and Control Measures. *Texts in Applied Mathematics*, **2019**, 183-215 2.1
- 1 Some Statistical Issues. *Texts in Applied Mathematics*, **2019**, 217-271 2.1