## Ka Chun Chong

List of Publications by Year in descending order

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123 papers 2,598 citations

23 h-index 286692 43 g-index

134 all docs 134 docs citations

134 times ranked

3905 citing authors

#	Article	IF	CITATIONS
1	Residuals based EWMA control charts with risk adjustments for zeroâ€inflated Poisson models. Quality and Reliability Engineering International, 2022, 38, 283-303.	1.4	3
2	Association of weather, air pollutants, and seasonal influenza with chronic obstructive pulmonary disease hospitalization risks. Environmental Pollution, 2022, 293, 118480.	3.7	5
3	Differences in the case fatality risks associated with SARS-CoV-2 Delta and non-Delta variants in relation to vaccine coverage: An early ecological study in the United Kingdom. Infection, Genetics and Evolution, 2022, 97, 105162.	1.0	12
4	Temporal Patterns in the Evolutionary Genetic Distance of SARS-CoV-2 during the COVID-19 Pandemic. Public Health Genomics, 2022, 25, 108-111.	0.6	1
5	The cost-effectiveness of starting 23-valent pneumococcal polysaccharide vaccine and influenza vaccination at 50 vs. 65Âyears: A comparative modelling study. Vaccine, 2022, , .	1.7	1
6	Evaluation of Length of Stay, Care Volume, In-Hospital Mortality, and Emergency Readmission Rate Associated With Use of Diagnosis-Related Groups for Internal Resource Allocation in Public Hospitals in Hong Kong. JAMA Network Open, 2022, 5, e2145685.	2.8	5
7	Superspreading potential of SARS-CoV-2 Delta variants under intensive disease control measures in China. Journal of Travel Medicine, 2022, 29, .	1.4	7
8	Economic Value of Vaccines to Address the COVID-19 Pandemic in Hong Kong: A Cost-Effectiveness Analysis. Vaccines, 2022, 10, 495.	2.1	8
9	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19. Journal of Theoretical Biology, 2022, 542, 111105.	0.8	5
10	Superspreading potential of COVID-19 outbreak seeded by Omicron variants of SARS-CoV-2 in Hong Kong. Journal of Travel Medicine, 2022, 29, .	1.4	17
11	Independent effect of weather, air pollutants, and seasonal influenza on risk of tuberculosis hospitalization: An analysis of 22-year hospital admission data. Science of the Total Environment, 2022, 837, 155711.	3.9	6
12	Superspreading potential of infection seeded by the SARS-CoV-2 Omicron BA.1 variant in South Korea. Journal of Infection, 2022, 85, e77-e79.	1.7	7
13	Rapid evaluation of COVID-19 vaccine effectiveness against symptomatic infection with SARS-CoV-2 variants by analysis of genetic distance. Nature Medicine, 2022, 28, 1715-1722.	15.2	29
14	Characterizing superspreading potential of infectious disease: Decomposition of individual transmissibility. PLoS Computational Biology, 2022, 18, e1010281.	1.5	5
15	A 21-year retrospective analysis of environmental impacts on paediatric acute gastroenteritis in an affluent setting. Science of the Total Environment, 2021, 764, 142845.	3.9	5
16	Ambient temperature and relative humidity as possible drivers of the hand, foot, and mouth disease epidemics in Zhejiang Province, China. Atmospheric Environment, 2021, 244, 117984.	1.9	7
17	The changing patterns of COVID-19 transmissibility during the social unrest in the United States: A nationwide ecological study with a before-and-after comparison. One Health, 2021, 12, 100201.	1.5	8
18	Attach importance of the bootstrap <i>t</i> test against Student's <i>t</i> test in clinical epidemiology: a demonstrative comparison using COVID-19 as an example. Epidemiology and Infection, 2021, 149, e107.	1.0	3

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19	Short-term association among meteorological variation, outdoor air pollution and acute bronchiolitis in children in a subtropical setting. Thorax, 2021, 76, 360-369.	2.7	23
20	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. Computational and Structural Biotechnology Journal, 2021, 19, 5039-5046.	1.9	28
21	Quantifying the transmission advantage associated with N501Y substitution of SARS-CoV-2 in the UK: an early data-driven analysis. Journal of Travel Medicine, 2021, 28, .	1.4	79
22	Limited role for meteorological factors on the variability in COVID-19 incidence: A retrospective study of 102 Chinese cities. PLoS Neglected Tropical Diseases, 2021, 15, e0009056.	1.3	4
23	Acceptance of the COVID-19 vaccine based on the health belief model: A population-based survey in Hong Kong. Vaccine, 2021, 39, 1148-1156.	1.7	363
24	In silico prediction of influenza vaccine effectiveness by sequence analysis. Vaccine, 2021, 39, 1030-1034.	1.7	12
25	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. BMC Medical Research Methodology, 2021, 21, 30.	1.4	23
26	Modelling the association between COVID-19 transmissibility and D614G substitution in SARS-CoV-2 spike protein: using the surveillance data in California as an example. Theoretical Biology and Medical Modelling, 2021, 18, 10.	2.1	9
27	The reproductive number of Lassa fever: a systematic review. Journal of Travel Medicine, 2021, 28, .	1.4	4
28	Change in eating habits and physical activities before and during the COVID-19 pandemic in Hong Kong: a crossâ€sectional study via random telephone survey. Journal of the International Society of Sports Nutrition, 2021, 18, 33.	1.7	26
29	Differential Influence of Age on the Relationship between Genetic Mismatch and A(H1N1)pdm09 Vaccine Effectiveness. Viruses, 2021, 13, 619.	1.5	4
30	Inferring the Association between the Risk of COVID-19 Case Fatality and N501Y Substitution in SARS-CoV-2. Viruses, 2021, 13, 638.	1.5	21
31	A global analysis of replacement of genetic variants of SARS-CoV-2 in association with containment capacity and changes in disease severity. Clinical Microbiology and Infection, 2021, 27, 750-757.	2.8	19
32	Characterization of Unlinked Cases of COVID-19 and Implications for Contact Tracing Measures: Retrospective Analysis of Surveillance Data. JMIR Public Health and Surveillance, 2021, 7, e30968.	1.2	5
33	An early assessment of a case fatality risk associated with P.1 SARS-CoV-2 lineage in Brazil: an ecological study. Journal of Travel Medicine, 2021, 28, .	1.4	5
34	Increase in Diabetes Mortality Associated With COVID-19 Pandemic in the U.S Diabetes Care, 2021, 44, e146-e147.	4.3	22
35	Assessing the impact of non-pharmaceutical interventions on the transmissibility and severity of COVID-19 during the first five months in the Western Pacific Region. One Health, 2021, 12, 100213.	1.5	20
36	Long-term effectiveness of elderly health care voucher scheme strategies: a system dynamics simulation analysis. BMC Public Health, 2021, 21, 1235.	1.2	4

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37	Evaluation of a package of risk-based pharmaceutical and lifestyle interventions in patients with hypertension and/or diabetes in rural China: A pragmatic cluster randomised controlled trial. PLoS Medicine, 2021, 18, e1003694.	3.9	3
38	How Transportation Restriction Shapes the Relationship Between Ambient Nitrogen Dioxide and COVID-19 Transmissibility: An Exploratory Analysis. Frontiers in Public Health, 2021, 9, 697491.	1.3	0
39	Accelerate the elimination of rubella through supplementary immunisation activities in China. Lancet Infectious Diseases, The, 2021, 21, 899-900.	4.6	1
40	Risk-adjusted zero-inflated Poisson CUSUM charts for monitoring influenza surveillance data. BMC Medical Informatics and Decision Making, 2021, 21, 96.	1.5	1
41	Relationship between acute kidney injury, seasonal influenza, and environmental factors: A 14-year retrospective analysis. Environment International, 2021, 153, 106521.	4.8	13
42	A Bayesian method for synthesizing multiple diagnostic outcomes of COVID-19 tests. Royal Society Open Science, 2021, 8, 201867.	1.1	2
43	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. Epidemics, 2021, 36, 100482.	1.5	55
44	1474Meteorologically favourable zones for the activities of seasonal influenza A and B in Hong Kong. International Journal of Epidemiology, 2021, 50, .	0.9	0
45	91Is rainfall associated with paediatric acute gastroenteritis in an affluent setting? A 21-Year Retrospective Investigation. International Journal of Epidemiology, 2021, 50, .	0.9	0
46	Shrinkage in serial intervals across transmission generations of COVID-19. Journal of Theoretical Biology, 2021, 529, 110861.	0.8	1
47	Independent association between meteorological factors, PM2.5, and seasonal influenza activity in Hangzhou, Zhejiang province, China. Influenza and Other Respiratory Viruses, 2021, 15, 513-520.	1.5	9
48	Real-time quantification of the transmission advantage associated with a single mutation in pathogen genomes: a case study on the D614G substitution of SARS-CoV-2. BMC Infectious Diseases, 2021, 21, 1039.	1.3	2
49	Ratio of asymptomatic COVID-19 cases among ascertained SARS-CoV-2 infections in different regions and population groups in 2020: a systematic review and meta-analysis including 130 123 infections from 241 studies. BMJ Open, 2021, 11, e049752.	0.8	29
50	Association between meteorological variations and activities of influenza A and B across different climate zones: a multi-region modelling analysis across the globe. Journal of Infection, 2020, 80, 84-98.	1.7	56
51	Were infections in migrants associated with the resurgence of measles epidemic during 2013–2014 in southern China? A retrospective data analysis. International Journal of Infectious Diseases, 2020, 90, 77-83.	1.5	4
52	The association between ambient particulate matters, nitrogen dioxide, and childhood scarlet fever in Hangzhou, Eastern China, 2014–2018. Chemosphere, 2020, 246, 125826.	4.2	11
53	An evaluation of universal vouchers as a demand-side subsidy to change primary care utilization: A retrospective analysis of longitudinal services utilisation and voucher claims data from a survey cohort in Hong Kong. Health Policy, 2020, 124, 189-198.	1.4	10
54	Latitudes mediate the association between influenza activity and meteorological factors: A nationwide modelling analysis in 45 Japanese prefectures from 2000 to 2018. Science of the Total Environment, 2020, 703, 134727.	3.9	33

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55	Stringent containment measures without complete city lockdown to achieve low incidence and mortality across two waves of COVID-19 in Hong Kong. BMJ Global Health, 2020, 5, e003573.	2.0	27
56	Feasibility, Reliability, and Agreement of Transperineal Ultrasound Measurement: Results from a Longitudinal Cohort Study. Fetal Diagnosis and Therapy, 2020, 47, 721-730.	0.6	3
57	<p>Modelling the Measles Outbreak at Hong Kong International Airport in 2019: A Data-Driven Analysis on the Effects of Timely Reporting and Public Awareness</p> . Infection and Drug Resistance, 2020, Volume 13, 1851-1861.	1.1	4
58	Effects of particulate matter exposure on the transmissibility and case fatality rate of COVID-19: A Nationwide Ecological Study in China. Journal of Travel Medicine, 2020, 27, .	1.4	13
59	Association between obesity, common chronic diseases and health promoting lifestyle profiles in Hong Kong adults: a cross-sectional study. BMC Public Health, 2020, 20, 1624.	1.2	7
60	Estimating the Serial Interval of the Novel Coronavirus Disease (COVID-19): A Statistical Analysis Using the Public Data in Hong Kong From January 16 to February 15, 2020. Frontiers in Physics, 2020, 8, .	1.0	53
61	Changes in Measles Seroprevalence in China After the Launch of Two Provincial Supplementary Immunization Activities During 2009 to 2013. Pediatric Infectious Disease Journal, 2020, 39, 867-871.	1.1	4
62	Predicting the dominant influenza A serotype by quantifying mutation activities. International Journal of Infectious Diseases, 2020, 100, 255-257.	1.5	6
63	Gender differences in quality of life among patients with myasthenia gravis in China. Health and Quality of Life Outcomes, 2020, 18, 296.	1.0	25
64	Monitoring disease transmissibility of 2019 novel coronavirus disease in Zhejiang, China. International Journal of Infectious Diseases, 2020, 96, 128-130.	1.5	22
65	A randomized controlled trial of different young child formulas on upper respiratory and gastrointestinal tract infections in Chinese toddlers. Pediatric Allergy and Immunology, 2020, 31, 745-754.	1.1	13
66	Imitation dynamics in the mitigation of the novel coronavirus disease (COVID-19) outbreak in Wuhan, China from 2019 to 2020. Annals of Translational Medicine, 2020, 8, 448-448.	0.7	60
67	The effectiveness of exercises on fall and fracture prevention amongst community elderlies: A systematic review and meta-analysis. Journal of Orthopaedic Translation, 2020, 24, 58-65.	1.9	16
68	Quantifying the improvement in confirmation efficiency of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) during the early phase of the outbreak in Hong Kong in 2020. International Journal of Infectious Diseases, 2020, 96, 284-287.	1.5	5
69	Quantifying the importance of the key sites on haemagglutinin in determining the selection advantage of influenza virus: Using A/H3N2 as an example. Journal of Infection, 2020, 81, 452-482.	1.7	10
70	Epidemiological changes in measles infections in southern China between 2009 and 2016: a retrospective database analysis. BMC Infectious Diseases, 2020, 20, 197.	1.3	2
71	Serial interval in determining the estimation of reproduction number of the novel coronavirus disease (COVID-19) during the early outbreak. Journal of Travel Medicine, 2020, 27, .	1.4	43
72	COVID-19 and gender-specific difference: Analysis of public surveillance data in Hong Kong and Shenzhen, China, from January 10 to February 15, 2020. Infection Control and Hospital Epidemiology, 2020, 41, 750-751.	1.0	53

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73	Epidemiological characteristics of the first 100 cases of coronavirus disease 2019 (COVID-19) in Hong Kong Special Administrative Region, China, a city with a stringent containment policy. International Journal of Epidemiology, 2020, 49, 1096-1105.	0.9	29
74	A Proof of Concept Study: Esophagogastroduodenoscopy Is an Aerosol-Generating Procedure and Continuous Oral Suction During the Procedure Reduces the Amount of Aerosol Generated. Gastroenterology, 2020, 159, 1949-1951.e4.	0.6	38
75	Ambient temperature, seasonal influenza and risk of cardiovascular disease in a subtropical area in Southern China. Environmental Research, 2020, 186, 109546.	3.7	13
76	Transmissibility of coronavirus disease 2019 in Chinese cities with different dynamics of imported cases. PeerJ, 2020, 8, e10350.	0.9	8
77	Labor progress determined by ultrasound is different in women requiring cesarean delivery from those who experience a vaginal delivery following induction ofÂlabor. American Journal of Obstetrics and Gynecology, 2019, 221, 335.e1-335.e18.	0.7	28
78	Comparison of Avian Influenza Virus Contamination in the Environment Before and After Massive Poultry H5/H7 Vaccination in Zhejiang Province, China. Open Forum Infectious Diseases, 2019, 6, ofz197.	0.4	5
79	Effects of Kinesio tape on lower limb muscle strength, hop test, and vertical jump performances: a meta-analysis. BMC Musculoskeletal Disorders, 2019, 20, 212.	0.8	30
80	Factors that affect ultrasound-determined labor progress in women undergoing induction of labor. American Journal of Obstetrics and Gynecology, 2019, 220, 592.e1-592.e15.	0.7	16
81	Mathematical modelling of the impact of treating latent tuberculosis infection in the elderly in a city with intermediate tuberculosis burden. Scientific Reports, 2019, 9, 4869.	1.6	18
82	Association between meteorological factors, spatiotemporal effects, and prevalence of influenza A subtype H7 in environmental samples in Zhejiang province, China. Science of the Total Environment, 2019, 663, 793-803.	3.9	12
83	Early Waning of Maternal Measles Antibodies in Infants in Zhejiang Province, China: A Comparison of Two Cross-Sectional Serosurveys. International Journal of Environmental Research and Public Health, 2019, 16, 4680.	1.2	8
84	wtest: an integrated R package for genetic epistasis testing. BMC Medical Genomics, 2019, 12, 180.	0.7	8
85	Improving Hong Kong's Elderly Health Care Voucher Scheme: an overview and update. , 2019, 25, 494-496.		2
86	Abstract P194: Associations of Bone Mineral Density With Blood Pressure and Obesity in Hong Kong Chinese Adults. Circulation, 2019, 139, .	1.6	0
87	Epidemiology of abdominal aortic aneurysms in a Chinese population during introduction of endovascular repair, 1994 to 2013. Medicine (United States), 2018, 97, e9740.	0.4	3
88	Trajectories of frailty among Chinese older people in Hong Kong between 2001 and 2012: an age-period-cohort analysis. Age and Ageing, 2018, 47, 254-261.	0.7	68
89	Approximate Bayesian algorithm to estimate the basic reproduction number in an influenza pandemic using arrival times of imported cases. Travel Medicine and Infectious Disease, 2018, 23, 80-86.	1.5	14
90	Benefits and limitations of implementing Chronic Care Model (CCM) in primary care programs: A systematic review. International Journal of Cardiology, 2018, 258, 279-288.	0.8	61

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91	Incorporating methylation genome information improves prediction accuracy for drug treatment responses. BMC Genetics, 2018, 19, 78.	2.7	4
92	Targeting Adults for Supplementary Immunization Activities of Measles Control in Central China: A Mathematical Modelling Study. Scientific Reports, 2018, 8, 16124.	1.6	11
93	Monitoring the age-specificity of measles transmissions during 2009-2016 in Southern China. PLoS ONE, 2018, 13, e0205339.	1.1	12
94	Gene-methylation epistatic analyses via the W-test identifies enriched signals of neuronal genes in patients undergoing lipid-control treatment. BMC Proceedings, 2018, 12, 53.	1.8	4
95	A proof-of-concept study to evaluate the efficacy and safety of BTI320 on post-prandial hyperglycaemia in Chinese subjects with pre-diabetes. BMC Endocrine Disorders, 2018, 18, 59.	0.9	2
96	Identification of meteorological factors associated with human infection with avian influenza A H7N9 virus in Zhejiang Province, China. Science of the Total Environment, 2018, 644, 696-709.	3.9	21
97	An increasing trend of rural infections of human influenza A (H7N9) from 2013 to 2017: A retrospective analysis of patient exposure histories in Zhejiang province, China. PLoS ONE, 2018, 13, e0193052.	1.1	9
98	Stratified polygenic risk prediction model with application to CAGI bipolar disorder sequencing data. Human Mutation, 2017, 38, 1235-1239.	1.1	8
99	Interpreting the transmissibility of measles in two different post periods of supplementary immunization activities in Hubei, China. Vaccine, 2017, 35, 1024-1029.	1.7	14
100	Individualized homeopathic treatment in addition to conventional treatment in type II diabetic patients in Hong Kong $\hat{a} \in \text{``a retrospective cohort study}$ . Homeopathy, 2017, 106, 79-86.	0.5	9
101	A Zoom-Focus algorithm (ZFA) to locate the optimal testing region for rare variant association tests. Bioinformatics, 2017, 33, 2330-2336.	1.8	4
102	Estimation of clinical parameters of chronic kidney disease by exhaled breath full-scan mass spectrometry data and iterative PCA with intensity screening algorithm. Journal of Breath Research, 2017, 11, 036007.	1.5	7
103	A statistical method utilizing information of imported cases to estimate the transmissibility for an influenza pandemic. BMC Medical Research Methodology, 2017, 17, 31.	1.4	10
104	Implementation of a comprehensive intervention for patients at high risk of cardiovascular disease in rural China: A pragmatic cluster randomized controlled trial. PLoS ONE, 2017, 12, e0183169.	1.1	17
105	Interpreting the transmissibility of the avian influenza A(H7N9) infection from 2013 to 2015 in Zhejiang Province, China. Epidemiology and Infection, 2016, 144, 1584-1591.	1.0	11
106	Genetic evolution of Human Enterovirus A71 subgenotype C4 in Shenzhen, China, 1998–2013. Journal of Infection, 2016, 72, 731-737.	1.7	5
107	Randomized Phase II Study of the X-linked Inhibitor of Apoptosis (XIAP) Antisense AEG35156 in Combination With Sorafenib in Patients With Advanced Hepatocellular Carcinoma (HCC). American Journal of Clinical Oncology: Cancer Clinical Trials, 2016, 39, 609-613.	0.6	37
108	Electroacupuncture and splinting versus splinting alone to treat carpal tunnel syndrome: a randomized controlled trial. Cmaj, 2016, 188, 867-875.	0.9	23

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109	Use of a least absolute shrinkage and selection operator (LASSO) model to selected ion flow tube mass spectrometry (SIFT-MS) analysis of exhaled breath to predict the efficacy of dialysis: a pilot study. Journal of Breath Research, 2016, 10, 046004.	1.5	9
110	Concurrent epidemics of influenza A/H3N2 and A/H1N1pdm in Southern China: A serial cross-sectional study. Journal of Infection, 2016, 72, 369-376.	1.7	5
111	Risk-Adjusted Monitoring Method for Surgical Data: Methodology for Data Analytics (Work in) Tj ETQq $1\ 1\ 0.784$	314 rgBT ,	Overlock 10
112	Changes in the perceived quality of primary care in Shanghai and Shenzhen, China: a difference-in-difference analysis. Bulletin of the World Health Organization, 2015, 93, 407-416.	1.5	36
113	Identifying Meteorological Drivers for the Seasonal Variations of Influenza Infections in a Subtropical City — Hong Kong. International Journal of Environmental Research and Public Health, 2015, 12, 1560-1576.	1.2	35
114	Two Screening Methods for Genetic Association Study with Application to Psoriasis Microarray Data Sets. , $2015,  \dots$		2
115	An intervention of active TB case finding among smokers attending routine primary care facilities in China: an exploratory study. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2015, 109, 545-552.	0.7	6
116	Patient Flow Evaluation with System Dynamic Model in an Emergency Department: Data Analytics on Daily Hospital Records. , $2015$ , , .		8
117	Estimating the incidence reporting rates of new influenza pandemics at an early stage using travel data from the source country. Epidemiology and Infection, 2014, 142, 955-963.	1.0	8
118	Cardiovascular disease risk reduction in rural China: a clustered randomized controlled trial in Zhejiang. Trials, 2013, 14, 354.	0.7	16
119	Associations between mortality and meteorological and pollutant variables during the cool season in two Asian cities with sub-tropical climates: Hong Kong and Taipei. Environmental Health, 2013, 12, 59.	1.7	57
120	Emotionless holism: Factor and rasch analysis of the Chinese Integrative Medicine Attitude Questionnaire. Chinese Journal of Integrative Medicine, 2012, 18, 457-465.	0.7	3
121	Modeling the impact of air, sea, and land travel restrictions supplemented by other interventions on the emergence of a new influenza pandemic virus. BMC Infectious Diseases, 2012, 12, 309.	1.3	45
122	Digital PCR for the molecular detection of fetal chromosomal aneuploidy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13116-13121.	3.3	387
123	Clinical scores and risk factors to predict patient outcomes: how useful are they?. Hong Kong Medical Journal, 0, , 552-553.	0.1	1