

Ta-Chien Chan

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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.

108
papers

1,823
citations

25
h-index

37
g-index

121
ext. papers

2,470
ext. citations

5.8
avg, IF

5
L-index

#	Paper	IF	Citations
108	Effect of long-term exposure to fine particulate matter on lung function decline and risk of chronic obstructive pulmonary disease in Taiwan: a longitudinal, cohort study. <i>Lancet Planetary Health, The</i> , 2018 , 2, e114-e125	9.8	134
107	Comparative epidemiology and virology of fatal and nonfatal cases of hand, foot and mouth disease in mainland China from 2008 to 2014. <i>Reviews in Medical Virology</i> , 2015 , 25, 115-28	11.7	91
106	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM. <i>Environmental Pollution</i> , 2018 , 242, 1417-1426	9.3	83
105	Sleep Quality, Sleep Duration, and the Risk of Coronary Heart Disease: A Prospective Cohort Study With 60,586 Adults. <i>Journal of Clinical Sleep Medicine</i> , 2018 , 14, 109-117	3.1	75
104	Long-Term Exposure to Fine Particulate Matter, Blood Pressure, and Incident Hypertension in Taiwanese Adults. <i>Environmental Health Perspectives</i> , 2018 , 126, 017008	8.4	73
103	Long-Term Exposure to Ambient Fine Particulate Matter and Chronic Kidney Disease: A Cohort Study. <i>Environmental Health Perspectives</i> , 2018 , 126, 107002	8.4	66
102	Particulate matter air pollution, physical activity and systemic inflammation in Taiwanese adults. <i>International Journal of Hygiene and Environmental Health</i> , 2018 , 221, 41-47	6.9	50
101	Satellite-based estimates of long-term exposure to fine particulate matter are associated with C-reactive protein in 30 034 Taiwanese adults. <i>International Journal of Epidemiology</i> , 2017 , 46, 1126-1136	7.8	49
100	Spatiotemporal influence of temperature, air quality, and urban environment on cause-specific mortality during hazy days. <i>Environment International</i> , 2018 , 112, 10-22	12.9	47
99	Short Sleep Duration Increases Metabolic Impact in Healthy Adults: A Population-Based Cohort Study. <i>Sleep</i> , 2017 , 40,	1.1	43
98	Long-term exposure to ambient fine particulate matter (PM) and incident type 2 diabetes: a longitudinal cohort study. <i>Diabetologia</i> , 2019 , 62, 759-769	10.3	42
97	Exposure to ambient fine particulate matter and semen quality in Taiwan. <i>Occupational and Environmental Medicine</i> , 2018 , 75, 148-154	2.1	39
96	Resurgence of scarlet fever in China: a 13-year population-based surveillance study. <i>Lancet Infectious Diseases, The</i> , 2018 , 18, 903-912	25.5	37
95	Influences of socioeconomic vulnerability and intra-urban air pollution exposure on short-term mortality during extreme dust events. <i>Environmental Pollution</i> , 2018 , 235, 155-162	9.3	35
94	Effect of age on the incidence of acute hepatitis B after 25 years of a universal newborn hepatitis B immunization program in Taiwan. <i>Journal of Infectious Diseases</i> , 2012 , 205, 757-62	7	35
93	Increased leisure-time physical activity associated with lower onset of diabetes in 44 828 adults with impaired fasting glucose: a population-based prospective cohort study. <i>British Journal of Sports Medicine</i> , 2019 , 53, 895-900	10.3	34
92	Comparative Epidemiology of Human Fatal Infections with Novel, High (H5N6 and H5N1) and Low (H7N9 and H9N2) Pathogenicity Avian Influenza A Viruses. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	32

91	Typhoon-related leptospirosis and melioidosis, Taiwan, 2009. <i>Emerging Infectious Diseases</i> , 2011 , 17, 1322-4	10.2	32
90	Effect of Meteorological and Geographical Factors on the Epidemics of Hand, Foot, and Mouth Disease in Island-Type Territory, East Asia. <i>BioMed Research International</i> , 2015 , 2015, 805039	3	30
89	Comparative Epidemiology of Human Infections with Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome Coronaviruses among Healthcare Personnel. <i>PLoS ONE</i> , 2016 , 11, e0149988	3.7	30
88	Long-Term Exposure to Ambient Fine Particulate Matter (PM _{2.5}) and Lung Function in Children, Adolescents, and Young Adults: A Longitudinal Cohort Study. <i>Environmental Health Perspectives</i> , 2019 , 127, 127008	8.4	29
87	Dynamic Changes in Long-Term Exposure to Ambient Particulate Matter and Incidence of Hypertension in Adults. <i>Hypertension</i> , 2019 , 74, 669-677	8.5	26
86	Efficient Method for POI/ROI Discovery Using Flickr Geotagged Photos. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 121	2.9	25
85	Emerged HA and NA mutants of the pandemic influenza H1N1 viruses with increasing epidemiological significance in Taipei and Kaohsiung, Taiwan, 2009-10. <i>PLoS ONE</i> , 2012 , 7, e31162	3.7	25
84	A flow-based statistical model integrating spatial and nonspatial dimensions to measure healthcare access. <i>Health and Place</i> , 2017 , 47, 126-138	4.6	25
83	Spatial Analysis of Ambient PM Exposure and Bladder Cancer Mortality in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	23
82	Spatial decision on allocating automated external defibrillators (AED) in communities by multi-criterion two-step floating catchment area (MC2SFCA). <i>International Journal of Health Geographics</i> , 2016 , 15, 17	3.5	21
81	Availability of convenience stores and adolescent alcohol use in Taiwan: a multi-level analysis of national surveys. <i>Addiction</i> , 2013 , 108, 2081-8	4.6	21
80	Molecular epidemiology of acute hemorrhagic conjunctivitis caused by coxsackie A type 24 variant in China, 2004-2014. <i>Scientific Reports</i> , 2017 , 7, 45202	4.9	20
79	Long-term exposure to ambient fine particles and gastrointestinal cancer mortality in Taiwan: A cohort study. <i>Environment International</i> , 2020 , 138, 105640	12.9	20
78	Investigating spatio-temporal distribution and diffusion patterns of the dengue outbreak in Swat, Pakistan. <i>Journal of Infection and Public Health</i> , 2018 , 11, 550-557	7.4	20
77	Geographic disparity in chronic obstructive pulmonary disease (COPD) mortality rates among the Taiwan population. <i>PLoS ONE</i> , 2014 , 9, e98170	3.7	20
76	Long-term exposure to ambient particulate matter (PM) is associated with platelet counts in adults. <i>Environmental Pollution</i> , 2018 , 240, 432-439	9.3	19
75	Taipei@ use of a multi-channel mass risk communication program to rapidly reverse an epidemic of highly communicable disease. <i>PLoS ONE</i> , 2009 , 4, e7962	3.7	19
74	Does fine particulate matter (PM) affect the benefits of habitual physical activity on lung function in adults: a longitudinal cohort study. <i>BMC Medicine</i> , 2020 , 18, 134	11.4	18

73	Genotypic and Epidemiological Trends of Acute Gastroenteritis Associated with Noroviruses in China from 2006 to 2016. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	18
72	Probabilistic daily ILI syndromic surveillance with a spatio-temporal Bayesian hierarchical model. <i>PLoS ONE</i> , 2010 , 5, e11626	3.7	18
71	Spatiotemporal analysis of air pollution and asthma patient visits in Taipei, Taiwan. <i>International Journal of Health Geographics</i> , 2009 , 8, 26	3.5	18
70	Sleep and the Risk of Chronic Kidney Disease: A Cohort Study. <i>Journal of Clinical Sleep Medicine</i> , 2019 , 15, 393-400	3.1	16
69	Daily forecast of dengue fever incidents for urban villages in a city. <i>International Journal of Health Geographics</i> , 2015 , 14, 9	3.5	15
68	Spatial variability of excess mortality during prolonged dust events in a high-density city: a time-stratified spatial regression approach. <i>International Journal of Health Geographics</i> , 2017 , 16, 26	3.5	15
67	Estimating influenza vaccine effectiveness using routine surveillance data among children aged 6-59 months for five consecutive influenza seasons. <i>International Journal of Infectious Diseases</i> , 2015 , 30, 115-21	10.5	14
66	Spatial Variation and Resuscitation Process Affecting Survival after Out-of-Hospital Cardiac Arrests (OHCA). <i>PLoS ONE</i> , 2015 , 10, e0144882	3.7	14
65	Spatial analysis and data mining techniques for identifying risk factors of Out-of-Hospital Cardiac Arrest. <i>International Journal of Information Management</i> , 2017 , 37, 1528-1538	16.4	13
64	Determinants of receiving the pandemic (H1N1) 2009 vaccine and intention to receive the seasonal influenza vaccine in Taiwan. <i>PLoS ONE</i> , 2014 , 9, e101083	3.7	13
63	Addressing health disparities in chronic kidney disease. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 12848-65	4.6	12
62	Lung Cancer Risk in Females Due to Exposures to PM2.5 in Taiwan. <i>The Open Epidemiology Journal</i> , 2014 , 7, 6-16	2	12
61	Minimizing Spatial Variability of Healthcare Spatial Accessibility-The Case of a Dengue Fever Outbreak. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	12
60	Online platform for applying space-time scan statistics for prospectively detecting emerging hot spots of dengue fever. <i>International Journal of Health Geographics</i> , 2016 , 15, 43	3.5	11
59	Long-term exposure to ambient fine particulate matter and liver enzymes in adults: a cross-sectional study in Taiwan. <i>Occupational and Environmental Medicine</i> , 2019 , 76, 488-494	2.1	10
58	The Association between Noise Exposure and Metabolic Syndrome: A Longitudinal Cohort Study in Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	10
57	ClickDiary: Online Tracking of Health Behaviors and Mood. <i>Journal of Medical Internet Research</i> , 2015 , 17, e147	7.6	10
56	Association between health behaviors and mood disorders among the elderly: a community-based cohort study. <i>BMC Geriatrics</i> , 2019 , 19, 60	4.1	9

55	Avian influenza virus in pregnancy. <i>Reviews in Medical Virology</i> , 2016 , 26, 268-84	11.7	9
54	Detection of influenza-like illness aberrations by directly monitoring Pearson residuals of fitted negative binomial regression models. <i>BMC Public Health</i> , 2015 , 15, 168	4.1	8
53	Association between periodontitis and all-cause and cancer mortality: retrospective elderly community cohort study. <i>BMC Oral Health</i> , 2020 , 20, 168	3.7	8
52	The Critical Role of Early Dengue Surveillance and Limitations of Clinical Reporting - Implications for Non-Endemic Countries. <i>PLoS ONE</i> , 2016 , 11, e0160230	3.7	8
51	Reduced effectiveness of tree planting on micro-climate cooling due to ozone pollution modeling study. <i>Sustainable Cities and Society</i> , 2020 , 52, 101803	10.1	8
50	GIS-aided planning of insecticide spraying to control dengue transmission. <i>International Journal of Health Geographics</i> , 2013 , 12, 42	3.5	7
49	Spatio-temporal analysis on enterovirus cases through integrated surveillance in Taiwan. <i>BMC Public Health</i> , 2014 , 14, 11	4.1	7
48	The impact of matching vaccine strains and post-SARS public health efforts on reducing influenza-associated mortality among the elderly. <i>PLoS ONE</i> , 2010 , 5, e11317	3.7	7
47	The intersections of the care regime and the migrant care worker policy: the example of Taiwan. <i>Asia Pacific Journal of Social Work and Development</i> , 2017 , 27, 195-210	0.8	6
46	Spatial Clustering and Local Risk Factors of Chronic Obstructive Pulmonary Disease (COPD). <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 15716-27	4.6	6
45	Early detection for cases of enterovirus- and influenza-like illness through a newly established school-based syndromic surveillance system in Taipei, January 2010 ~ August 2011. <i>PLoS ONE</i> , 2015 , 10, e0122865	3.7	6
44	Estimating the Risk of Influenza-Like Illness Transmission Through Social Contacts: Web-Based Participatory Cohort Study. <i>JMIR Public Health and Surveillance</i> , 2018 , 4, e40	11.4	6
43	Particulate Air Pollution and Progression to Kidney Failure With Replacement Therapy: An Advanced CKD Registry-Based Cohort Study in Taiwan. <i>American Journal of Kidney Diseases</i> , 2020 , 76, 645-657.e1	7.4	6
42	Epidemiological and virological differences in human clustered and sporadic infections with avian influenza A H7N9. <i>International Journal of Infectious Diseases</i> , 2016 , 49, 9-17	10.5	6
41	Impact of physical distancing policy on reducing transmission of SARS-CoV-2 globally: Perspective from government response and residents compliance. <i>PLoS ONE</i> , 2021 , 16, e0255873	3.7	6
40	Detecting spatio-temporal hotspots of scarlet fever in Taiwan with spatio-temporal Gi* statistic. <i>PLoS ONE</i> , 2019 , 14, e0215434	3.7	5
39	Association of long-term exposure to fine particulate matter and incident dyslipidaemia: A longitudinal cohort study. <i>Environmental Research</i> , 2019 , 173, 359-365	7.9	5
38	Spatially differentiating the effects of long-term air pollution on specific causes of death from cardiovascular and respiratory mortality in Hong Kong: a territory-wide register-based study. <i>Air Quality, Atmosphere and Health</i> , 2020 , 13, 721-730	5.6	5

37	Lessons from the Largest Epidemic of Avian Influenza Viruses in Taiwan, 2015. <i>Avian Diseases</i> , 2016 , 60, 156-71	1.6	5
36	The Association between Ambient Temperature and Acute Diarrhea Incidence in Hong Kong, Taiwan, and Japan. <i>Sustainability</i> , 2018 , 10, 1417	3.6	5
35	Detecting concurrent mood in daily contact networks: an online participatory cohort study with a diary approach. <i>BMJ Open</i> , 2018 , 8, e020600	3	5
34	Latitude-based approach for detecting aberrations of hand, foot, and mouth disease epidemics. <i>BMC Medical Informatics and Decision Making</i> , 2015 , 15, 113	3.6	5
33	Individual- and community-level shifts in mortality patterns during the January 2016 East Asia cold wave associated with a super El Niño event: Empirical evidence in Hong Kong. <i>Science of the Total Environment</i> , 2020 , 711, 135050	10.2	5
32	Assessing effects of personal behaviors and environmental exposure on asthma episodes: a diary-based approach. <i>BMC Pulmonary Medicine</i> , 2019 , 19, 231	3.5	5
31	Association between neighborhood greenspace and fasting plasma glucose from a large cohort study in Taiwan. <i>Urban Forestry and Urban Greening</i> , 2019 , 44, 126439	5.4	4
30	Spatiotemporal variability in long-term population exposure to PM and lung cancer mortality attributable to PM across the Yangtze River Delta (YRD) region over 2010-2016: A multistage approach. <i>Chemosphere</i> , 2020 , 257, 127153	8.4	4
29	Exposure to air pollution and scarlet fever resurgence in China: a six-year surveillance study. <i>Nature Communications</i> , 2020 , 11, 4229	17.4	4
28	Acute sporadic hepatitis E in the Zhejiang coastal area of China: a 14-year hospital-based surveillance study. <i>Virology Journal</i> , 2019 , 16, 16	6.1	3
27	Changing risk awareness and personal protection measures for low to high pathogenic avian influenza in live-poultry markets in Taiwan, 2007 to 2012. <i>BMC Infectious Diseases</i> , 2015 , 15, 241	4	3
26	The associations between social, built and geophysical environment and age-specific dementia mortality among older adults in a high-density Asian city. <i>International Journal of Health Geographics</i> , 2020 , 19, 53	3.5	3
25	A Technology Acceptance Model for Deploying Masks to Combat the COVID-19 Pandemic in Taiwan (My Health Bank): Web-Based Cross-sectional Survey Study. <i>Journal of Medical Internet Research</i> , 2021 , 23, e27069	7.6	3
24	Increased Risk of Respiratory Mortality Associated with the High-Tech Manufacturing Industry: A 26-Year Study. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	3
23	Effect of the Nintendo Ring Fit Adventure Exergame on Running Completion Time and Psychological Factors Among University Students Engaging in Distance Learning During the COVID-19 Pandemic: Randomized Controlled Trial.. <i>JMIR Serious Games</i> , 2022 , 10, e35040	3.4	2
22	Effects of the Enhanced Public Health Intervention during the COVID-19 Epidemic on Respiratory and Gastrointestinal Infectious Diseases in China.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	2
21	Association between renal function and cardiovascular mortality: a retrospective cohort study of elderly from health check-up. <i>BMJ Open</i> , 2021 , 11, e049307	3	2
20	Learning from the past: Taiwan@ responses to COVID-19 versus SARS. <i>International Journal of Infectious Diseases</i> , 2021 , 110, 469-478	10.5	2

19	Association between the occurrence of albuminuria and the risk of early dementia among older people upon health examination: a community-based cohort study in Taiwan. <i>BMJ Open</i> , 2020 , 10, e041664	3	1
18	Mortality risk of a future heat event across a subtropical city: implications for community planning and health policy. <i>Natural Hazards</i> , 2020 , 103, 623-637	3	1
17	Analyzing Personal Happiness from Global Survey and Weather Data: A Geospatial Approach. <i>PLoS ONE</i> , 2016 , 11, e0153638	3.7	1
16	The Effects of Asthma on the Association Between Pulmonary Function and Obesity: A 16-Year Longitudinal Study. <i>Journal of Asthma and Allergy</i> , 2021 , 14, 347-359	3.1	1
15	The Association Between Renal Function Decline and the Incidence of Urothelial Carcinoma: A 16-year Retrospective Cohort Study in Taiwan. <i>European Urology Open Science</i> , 2021 , 27, 1-9	0.9	1
14	Patient and health care system characteristics are associated with delayed treatment of tuberculosis cases in Taiwan. <i>BMC Health Services Research</i> , 2019 , 19, 846	2.9	1
13	The metabolic syndrome is associated with the risk of urothelial carcinoma from a health examination database. <i>International Journal of Clinical Oncology</i> , 2021 , 26, 569-577	4.2	1
12	Relationship between the Incidence of Dengue Virus Transmission in Traditional Market and Climatic Conditions in Kaohsiung City. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2021 , 2021, 9916642	2.6	1
11	Long-term effects of weather condition and air pollution on acute hemorrhagic conjunctivitis in China: A nationwide surveillance study in China. <i>Environmental Research</i> , 2021 , 201, 111616	7.9	1
10	Quality of Life and Multilevel Contact Network Structures Among Healthy Adults in Taiwan: Online Participatory Cohort Study.. <i>Journal of Medical Internet Research</i> , 2022 , 24, e23762	7.6	0
9	Rapidly Containing the First Indigenous Outbreak of Chikungunya in Taiwan-Lessons Learned. <i>Tropical Medicine and Infectious Disease</i> , 2021 , 6,	3.5	0
8	Community planning for a "healthy built environment" via a human-environment nexus? A multifactorial assessment of environmental characteristics and age-specific stroke mortality in Hong Kong. <i>Chemosphere</i> , 2022 , 287, 132043	8.4	0
7	Using contact tracing from interlocking diaries to map mood contagion along network chains.. <i>Scientific Reports</i> , 2022 , 12, 3400	4.9	0
6	Relationships among green space, ambient fine particulate matter, and cancer incidence in Taiwan: A 16-year retrospective cohort study.. <i>Environmental Research</i> , 2022 , 212, 113416	7.9	0
5	Spatial interpolation of cadmium contamination of agricultural soils in Changhua County, Taiwan. <i>International Journal of Environment and Pollution</i> , 2010 , 40, 322	0.7	
4	Association between local spatial accessibility of dental care services and dental care quality. <i>BMC Oral Health</i> , 2021 , 21, 582	3.7	
3	Hypotheses for the resurgence of scarlet fever in China - AuthorsReply. <i>Lancet Infectious Diseases</i> , 2018 , 18, 943-944	25.5	
2	Approaching precision public health by automated syndromic surveillance in communities. <i>PLoS ONE</i> , 2021 , 16, e0254479	3.7	

- 1 Spatial Analysis on Supply and Demand of Adult Surgical Masks in Taipei Metropolitan Areas in the Early Phase of the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health*, **2022**, 19, 6704 4.6