

# Hung Chak ho

## 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.

90  
papers

2,023  
citations

24  
h-index

43  
g-index

98  
ext. papers

3,087  
ext. citations

6.3  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
90	Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: the Right to Sight: an analysis for the Global Burden of Disease Study. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e144-e160	13.6	253
89	An overview and comparison of machine-learning techniques for classification purposes in digital soil mapping. <i>Geoderma</i> , <b>2016</b> , 265, 62-77	6.7	218
88	Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e130-e143	13.6	122
87	Mapping maximum urban air temperature on hot summer days. <i>Remote Sensing of Environment</i> , <b>2014</b> , 154, 38-45	13.2	120
86	A comparison of urban heat islands mapped using skin temperature, air temperature, and apparent temperature (Humidex), for the greater Vancouver area. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 929-38	10.2	90
85	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1417-1426	9.3	83
84	Estimating daily maximum air temperature from MODIS in British Columbia, Canada. <i>International Journal of Remote Sensing</i> , <b>2014</b> , 35, 8108-8121	3.1	64
83	Comparison of Machine Learning Algorithms for Retrieval of Water Quality Indicators in Case-II Waters: A Case Study of Hong Kong. <i>Remote Sensing</i> , <b>2019</b> , 11, 617	5	55
82	Spatiotemporal influence of temperature, air quality, and urban environment on cause-specific mortality during hazy days. <i>Environment International</i> , <b>2018</b> , 112, 10-22	12.9	47
81	Delineation of Spatial Variability in the Temperature-Mortality Relationship on Extremely Hot Days in Greater Vancouver, Canada. <i>Environmental Health Perspectives</i> , <b>2017</b> , 125, 66-75	8.4	43
80	A Spatial Framework to Map Heat Health Risks at Multiple Scales. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 16110-23	4.6	42
79	Characterizing spatiotemporal dynamics of anthropogenic heat fluxes: A 20-year case study in Beijing-Tianjin-Hebei region in China. <i>Environmental Pollution</i> , <b>2019</b> , 249, 923-931	9.3	39
78	Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. <i>Injury Prevention</i> , <b>2020</b> , 26, i96-i114	3.2	39
77	Population stress: A spatiotemporal analysis of population change and land development at the county level in the contiguous United States, 2001-2011. <i>Land Use Policy</i> , <b>2018</b> , 70, 128-137	5.6	37
76	Influences of socioeconomic vulnerability and intra-urban air pollution exposure on short-term mortality during extreme dust events. <i>Environmental Pollution</i> , <b>2018</b> , 235, 155-162	9.3	35
75	The impact of extremely hot weather events on all-cause mortality in a highly urbanized and densely populated subtropical city: A 10-year time-series study (2006-2015). <i>Science of the Total Environment</i> , <b>2019</b> , 690, 923-931	10.2	35
74	Microscale mobile monitoring of urban air temperature. <i>Urban Climate</i> , <b>2016</b> , 18, 58-72	6.8	34

73	Qualitative risk assessment of soil erosion for karst landforms in Chahe town, Southwest China: A hazard index approach. <i>Catena</i> , <b>2016</b> , 144, 184-193	5.8	31
72	Characterizing prolonged heat effects on mortality in a sub-tropical high-density city, Hong Kong. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1935-1944	3.7	31
71	Improving satellite aerosol optical Depth-PM2.5 correlations using land use regression with microscale geographic predictors in a high-density urban context. <i>Atmospheric Environment</i> , <b>2018</b> , 190, 23-34	5.3	30
70	The Heat Exposure Integrated Deprivation Index (HEIDI): A data-driven approach to quantifying neighborhood risk during extreme hot weather. <i>Environment International</i> , <b>2017</b> , 109, 42-52	12.9	29
69	Warming over the Tibetan Plateau in the last 55 years based on area-weighted average temperature. <i>Regional Environmental Change</i> , <b>2017</b> , 17, 2339-2347	4.3	28
68	Using multiple disparate data sources to map heat vulnerability: Vancouver case study. <i>Canadian Geographer / Geographie Canadien</i> , <b>2016</b> , 60, 356-368	1.1	28
67	Spatiotemporal analysis of regional socio-economic vulnerability change associated with heat risks in Canada. <i>Applied Geography</i> , <b>2018</b> , 95, 61-70	4.4	27
66	Abandoned rural residential land: Using machine learning techniques to identify rural residential land vulnerable to be abandoned in mountainous areas. <i>Habitat International</i> , <b>2019</b> , 84, 43-56	4.6	22
65	Spatial Variability of Geriatric Depression Risk in a High-Density City: A Data-Driven Socio-Environmental Vulnerability Mapping Approach. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	21
64	Mortality risk and burden associated with temperature variability in China, United Kingdom and United States: Comparative analysis of daily and hourly exposure metrics. <i>Environmental Research</i> , <b>2019</b> , 179, 108771	7.9	19
63	Urbanization and regional air pollution across South Asian developing countries - A nationwide land use regression for ambient PM assessment in Pakistan. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115145	9.3	19
62	Reconstruction of historical datasets for analyzing spatiotemporal influence of built environment on urban microclimates across a compact city. <i>Building and Environment</i> , <b>2017</b> , 123, 649-660	6.5	19
61	Estimation of Continuous Urban Sky View Factor from Landsat Data Using Shadow Detection. <i>Remote Sensing</i> , <b>2016</b> , 8, 568	5	19
60	Towards a Smart City: Development and Application of an Improved Integrated Environmental Monitoring System. <i>Sustainability</i> , <b>2018</b> , 10, 623	3.6	18
59	The effect of urban morphology on the solar capacity of three-dimensional cities. <i>Renewable Energy</i> , <b>2020</b> , 153, 1111-1126	8.1	15
58	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> , <b>2017</b> , 16, 26	3.5	15
57	Ambient particulate matter (PM, PM, PM) and childhood pneumonia: The smaller particle, the greater short-term impact?. <i>Science of the Total Environment</i> , <b>2021</b> , 772, 145509	10.2	15
56	Intraday effects of ambient PM on emergency department visits in Guangzhou, China: A case-crossover study. <i>Science of the Total Environment</i> , <b>2021</b> , 750, 142347	10.2	15

55	Characteristics of Fine Particulate Matter (PM2.5) over Urban, Suburban, and Rural Areas of Hong Kong. <i>Atmosphere</i> , <b>2019</b> , 10, 496	2.7	14
54	Urbanization and Land-Use Change: A Human Ecology of Deforestation Across the United States, 2001-2006. <i>Sociological Inquiry</i> , <b>2015</b> , 85, 628-653	1.2	14
53	Neighborhood-based subjective environmental vulnerability index for community health assessment: Development, validation and evaluation. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 1082-1090	10.2	14
52	Influence of Urban Green Space and Facility Accessibility on Exercise and Healthy Diet in Hong Kong. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	13
51	Neighbourhood green space, perceived stress and sleep quality in an urban population. <i>Urban Forestry and Urban Greening</i> , <b>2020</b> , 54, 126763	5.4	13
50	Utilizing daily excessive concentration hours to estimate cardiovascular mortality and years of life lost attributable to fine particulate matter in Tehran, Iran. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134909	10.2	12
49	Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i125-i153	3.2	12
48	High-Spatial-Resolution Population Exposure to PM2.5 Pollution Based on Multi-Satellite Retrievals: A Case Study of Seasonal Variation in the Yangtze River Delta, China in 2013. <i>Remote Sensing</i> , <b>2019</b> , 11, 2724	5	12
47	Urban environmental influences on the temperature-mortality relationship associated mental disorders and cardiorespiratory diseases during normal summer days in a subtropical city. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 24272-24285	5.1	11
46	A semi-empirical method for estimating complete surface temperature from radiometric surface temperature, a study in Hong Kong city. <i>Remote Sensing of Environment</i> , <b>2020</b> , 237, 111540	13.2	10
45	Impact of information seeking, disaster preparedness and typhoon emergency response on perceived community resilience in Hong Kong. <i>International Journal of Disaster Risk Reduction</i> , <b>2020</b> , 50, 101744	4.5	10
44	Short-term impacts of ambient fine particulate matter on emergency department visits: Comparative analysis of three exposure metrics. <i>Chemosphere</i> , <b>2020</b> , 241, 125012	8.4	9
43	Do socioeconomic factors modify the effects of PM1 and SO2 on lung cancer incidence in China?. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 143998	10.2	9
42	Lower-than-standard particulate matter air pollution reduced life expectancy in Hong Kong: A time-series analysis of 8.5 million years of life lost. <i>Chemosphere</i> , <b>2021</b> , 272, 129926	8.4	8
41	Coupling mobile phone data with machine learning: How misclassification errors in ambient PM2.5 exposure estimates are produced?. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 141034	10.2	7
40	Characteristics and determinants of personal exposure to PM2.5 mass and components in adult subjects in the megacity of Guangzhou, China. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117295	5.3	6
39	Spatiotemporal Prediction of Increasing Winter Perceived Temperature across a Sub-Tropical City for Sustainable Planning and Climate Change Mitigation. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	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> , <b>2020</b> , 13, 721-730	5.6	5

37	Vertical Gradient Variations in Radiation Budget and Heat Fluxes in the Urban Boundary Layer: A Comparison Study Between Polluted and Clean Air Episodes in Beijing During Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032478	4.4	5
36	Fuzzy-based spatial modeling approach to predict island karst distribution: a conceptual model. <i>Environmental Earth Sciences</i> , <b>2014</b> , 71, 1369-1377	2.9	5
35	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> , <b>2020</b> , 711, 135050	10.2	5
34	Neighborhood Built Environment and Late-Life Depression: A Multilevel Path Analysis in a Chinese Society. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , <b>2021</b> , 76, 2143-2154	4.6	5
33	Ridership exceedance exposure risk: Novel indicators to assess PM health exposure of bike sharing riders. <i>Environmental Research</i> , <b>2021</b> , 197, 111020	7.9	5
32	Evaluation of life expectancy loss associated with submicron and fine particulate matter (PM and PM <sub>10</sub> ) air pollution in Nanjing, China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	5
31	A Data-Driven Framework for Walkability Measurement with Open Data: A Case Study of Triple Cities, New York. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 36	2.9	4
30	Suburban neighborhood environments and depression: A case study of Guangzhou, China. <i>Journal of Transport and Health</i> , <b>2019</b> , 15, 100624	3	4
29	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> , <b>2020</b> , 257, 127153	8.4	4
28	Impacts of social and environmental perceptions on preparedness and knowledge of air pollution risk: A study of adolescent males in an urbanized, high-density city. <i>Sustainable Cities and Society</i> , <b>2021</b> , 66, 102678	10.1	4
27	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> , <b>2020</b> , 19, 53	3.5	3
26	Perceived differences in the (re)production of environmental deprivation between sub-populations: A study combining citizens' perceptions with remote-sensed and administrative data. <i>Building and Environment</i> , <b>2020</b> , 174, 106769	6.5	3
25	Geospatial context of social and environmental factors associated with health risk during temperature extremes: Review and discussion. <i>Geospatial Health</i> , <b>2020</b> , 15,	2.2	3
24	Neighbourhood physical environment, intrinsic capacity, and 4-year late-life functional ability trajectories of low-income Chinese older population: A longitudinal study with the parallel process of latent growth curve modelling. <i>EClinicalMedicine</i> , <b>2021</b> , 36, 100927	11.3	3
23	Longitudinal associations between neighbourhood physical environments and depressive symptoms of older adults in Hong Kong: The moderating effects of terrain slope and declining functional abilities. <i>Health and Place</i> , <b>2021</b> , 70, 102585	4.6	3
22	Comparative assessment of gridded population data sets for complex topography: a study of Southwest China. <i>Population and Environment</i> , <b>2021</b> , 42, 360-378	4	3
21	Evaluation of risk perception, knowledge, and preparedness of extreme storm events for the improvement of coastal resilience among migrants: A lesson from Hong Kong. <i>Population, Space and Place</i> , <b>2020</b> , 26, e2318	2	2
20	The role of karst in engineering and environmental geosciences. <i>Solid Earth</i> , <b>2011</b> , 2, 155-158	3.3	2

19	Assessing the effectiveness and pathways of planned shelters in protecting mental health of flood victims in China. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 125006	6.2	2
18	Finding a Home Away from Home: An Explorative Study on the Use of Social Space with the Voices of Foreign Domestic Workers in Hong Kong. <i>Annals of the American Association of Geographers</i> , <b>2020</b> , 1-17	2.6	2
17	Mapping a pollution index for the transboundary Red River Valley, Asia, 2009-2011. <i>Journal of Maps</i> , <b>2015</b> , 11, 396-404	2.2	1
16	Mortality risk of a future heat event across a subtropical city: implications for community planning and health policy. <i>Natural Hazards</i> , <b>2020</b> , 103, 623-637	3	1
15	Retrieval of Urban Surface Temperature Using Remote Sensing Satellite Imagery <b>2019</b> , 129-154		1
14	The Impact of the Environment on the Quality of Life and the Mediating Effects of Sleep and Stress. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
13	Temperature variation and preterm birth among live singleton deliveries in Shenzhen, China: A time-to-event analysis. <i>Environmental Research</i> , <b>2021</b> , 195, 110834	7.9	1
12	Low ambient temperature shortened life expectancy in Hong Kong: A time-series analysis of 1.4 million years of life lost from cardiorespiratory diseases. <i>Environmental Research</i> , <b>2021</b> , 201, 111652	7.9	1
11	The half-degree matters for heat-related health impacts under the 1.5°C and 2°C warming scenarios: Evidence from ambulance data in Shenzhen, China. <i>Advances in Climate Change Research</i> , <b>2021</b> , 12, 628-637	4.1	1
10	Associations between metabolic syndrome and anthropogenic heat emissions in northeastern China. <i>Environmental Research</i> , <b>2022</b> , 204, 111974	7.9	1
9	The direct and interactive impacts of hydrological factors on bacillary dysentery across different geographical regions in central China. <i>Science of the Total Environment</i> , <b>2021</b> , 764, 144609	10.2	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> , <b>2022</b> , 287, 132043	8.4	0
7	Neighborhood built environments and cognition in later life.. <i>Aging and Mental Health</i> , <b>2022</b> , 1-9	3.5	0
6	Effects of Urban Green Space on Cardiovascular and Respiratory Biomarkers in Chinese Adults: Panel Study Using Digital Tracking Devices.. <i>JMIR Cardio</i> , <b>2021</b> , 5, e31316	3.1	0
5	Planned greenspace or natural greenspace in a high-density city with compact environment? An empirical study of osteoporosis among senior population. <i>Building and Environment</i> , <b>2022</b> , 109117	6.5	0
4	Development of the Adjusted Wind Chill Equivalent Temperature (AWCET) for cold mortality assessment across a subtropical city: validation and comparison with a spatially-controlled time-stratified approach. <i>BMC Public Health</i> , <b>2019</b> , 19, 1290	4.1	
3	Does air pollution contribute to urban-rural disparity in male lung cancer diseases in China?. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	
2	The association between anthropogenic heat and adult hypertension in Northeast China.. <i>Science of the Total Environment</i> , <b>2022</b> , 815, 152926	10.2	

- 1 Community health risk associated with weather-related air pollution events: Perspectives of urban resilience and mitigation **2021**, 273-279