Hung Chak ho

List of Publications by Year
in descending order

94 papers	4,531 citations	159573 30 h-index	114455 63 g-index
98 all docs	98 docs citations	98 times ranked	4484 citing authors

#	Article	IF	Citations
1	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. The Lancet Global Health, 2021, 9, e144-e160.	6.3	1,148
2	Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. The Lancet Global Health, 2021, 9, e130-e143.	6.3	500
3	An overview and comparison of machine-learning techniques for classification purposes in digital soil mapping. Geoderma, 2016, 265, 62-77.	5.1	352
4	Mapping maximum urban air temperature on hot summer days. Remote Sensing of Environment, 2014, 154, 38-45.	11.0	163
5	A comparison of urban heat islands mapped using skin temperature, air temperature, and apparent temperature (Humidex), for the greater Vancouver area. Science of the Total Environment, 2016, 544, 929-938.	8.0	136
6	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM2.5. Environmental Pollution, 2018, 242, 1417-1426.	7.5	125
7	Comparison of Machine Learning Algorithms for Retrieval of Water Quality Indicators in Case-II Waters: A Case Study of Hong Kong. Remote Sensing, 2019, 11, 617.	4.0	119
8	Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. Injury Prevention, 2020, 26, i96-i114.	2.4	103
9	Estimating daily maximum air temperature from MODIS in British Columbia, Canada. International Journal of Remote Sensing, 2014, 35, 8108-8121.	2.9	88
10	Population stress: A spatiotemporal analysis of population change and land development at the county level in the contiguous United States, 2001–2011. Land Use Policy, 2018, 70, 128-137.	5.6	62
11	Spatiotemporal influence of temperature, air quality, and urban environment on cause-specific mortality during hazy days. Environment International, 2018, 112, 10-22.	10.0	62
12	A Spatial Framework to Map Heat Health Risks at Multiple Scales. International Journal of Environmental Research and Public Health, 2015, 12, 16110-16123.	2.6	60
13	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). Science of the Total Environment, 2019, 690, 923-931.	8.0	60
14	Characterizing spatiotemporal dynamics of anthropogenic heat fluxes: A 20-year case study in Beijing–Tianjin–Hebei region in China. Environmental Pollution, 2019, 249, 923-931.	7.5	57
15	Microscale mobile monitoring of urban air temperature. Urban Climate, 2016, 18, 58-72.	5.7	55
16	Urbanization and regional air pollution across South Asian developing countries – A nationwide land use regression for ambient PM2.5 assessment in Pakistan. Environmental Pollution, 2020, 266, 115145.	7.5	54
17	Delineation of Spatial Variability in the Temperature–Mortality Relationship on Extremely Hot Days in Greater Vancouver, Canada. Environmental Health Perspectives, 2017, 125, 66-75.	6.0	53
18	Abandoned rural residential land: Using machine learning techniques to identify rural residential land vulnerable to be abandoned in mountainous areas. Habitat International, 2019, 84, 43-56.	5.8	50

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19	The effect of urban morphology on the solar capacity of three-dimensional cities. Renewable Energy, 2020, 153, 1111-1126.	8.9	49
20	Spatiotemporal analysis of regional socio-economic vulnerability change associated with heat risks in Canada. Applied Geography, 2018, 95, 61-70.	3.7	48
21	Ambient particulate matter (PM1, PM2.5, PM10) and childhood pneumonia: The smaller particle, the greater short-term impact?. Science of the Total Environment, 2021, 772, 145509.	8.0	48
22	Characterizing prolonged heat effects on mortality in a sub-tropical high-density city, Hong Kong. International Journal of Biometeorology, 2017, 61, 1935-1944.	3.0	46
23	Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. Injury Prevention, 2020, 26, i125-i153.	2.4	44
24	Influences of socioeconomic vulnerability and intra-urban air pollution exposure on short-term mortality during extreme dust events. Environmental Pollution, 2018, 235, 155-162.	7.5	43
25	The Heat Exposure Integrated Deprivation Index (HEIDI): A data-driven approach to quantifying neighborhood risk during extreme hot weather. Environment International, 2017, 109, 42-52.	10.0	40
26	Improving satellite aerosol optical Depth-PM2.5 correlations using land use regression with microscale geographic predictors in a high-density urban context. Atmospheric Environment, 2018, 190, 23-34.	4.1	40
27	Warming over the Tibetan Plateau in the last 55Âyears based on area-weighted average temperature. Regional Environmental Change, 2017, 17, 2339-2347.	2.9	39
28	Qualitative risk assessment of soil erosion for karst landforms in Chahe town, Southwest China: A hazard index approach. Catena, 2016, 144, 184-193.	5.0	38
29	Using multiple disparate data sources to map heat vulnerability: Vancouver case study. Canadian Geographer / Geographie Canadien, 2016, 60, 356-368.	1.5	33
30	Impact of information seeking, disaster preparedness and typhoon emergency response on perceived community resilience in Hong Kong. International Journal of Disaster Risk Reduction, 2020, 50, 101744.	3.9	33
31	Spatial Variability of Geriatric Depression Risk in a High-Density City: A Data-Driven Socio-Environmental Vulnerability Mapping Approach. International Journal of Environmental Research and Public Health, 2017, 14, 994.	2.6	32
32	Mortality risk and burden associated with temperature variability in China, United Kingdom and United States: Comparative analysis of daily and hourly exposure metrics. Environmental Research, 2019, 179, 108771.	7.5	31
33	Intraday effects of ambient PM1 on emergency department visits in Guangzhou, China: A case-crossover study. Science of the Total Environment, 2021, 750, 142347.	8.0	30
34	Neighbourhood green space, perceived stress and sleep quality in an urban population. Urban Forestry and Urban Greening, 2020, 54, 126763.	5.3	29
35	Reconstruction of historical datasets for analyzing spatiotemporal influence of built environment on urban microclimates across a compact city. Building and Environment, 2017, 123, 649-660.	6.9	27
36	Towards a Smart City: Development and Application of an Improved Integrated Environmental Monitoring System. Sustainability, 2018, 10, 623.	3.2	27

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37	Do socioeconomic factors modify the effects of PM1 and SO2 on lung cancer incidence in China?. Science of the Total Environment, 2021, 756, 143998.	8.0	27
38	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. EClinicalMedicine, 2021, 36, 100927.	7.1	26
39	Urban environmental influences on the temperature–mortality relationship associated mental disorders and cardiorespiratory diseases during normal summer days in a subtropical city. Environmental Science and Pollution Research, 2019, 26, 24272-24285.	5.3	23
40	Influence of Urban Green Space and Facility Accessibility on Exercise and Healthy Diet in Hong Kong. International Journal of Environmental Research and Public Health, 2019, 16, 1514.	2.6	23
41	Neighborhood-based subjective environmental vulnerability index for community health assessment: Development, validation and evaluation. Science of the Total Environment, 2019, 654, 1082-1090.	8.0	23
42	A semi-empirical method for estimating complete surface temperature from radiometric surface temperature, a study in Hong Kong city. Remote Sensing of Environment, 2020, 237, 111540.	11.0	23
43	Characteristics of Fine Particulate Matter (PM2.5) over Urban, Suburban, and Rural Areas of Hong Kong. Atmosphere, 2019, 10, 496.	2.3	22
44	Estimation of Continuous Urban Sky View Factor from Landsat Data Using Shadow Detection. Remote Sensing, 2016, 8, 568.	4.0	21
45	Urbanization and Land–Use Change: A Human Ecology of Deforestation Across the United States, 2001–2006. Sociological Inquiry, 2015, 85, 628-653.	2.0	19
46	Spatial variability of excess mortality during prolonged dust events in a high-density city: a time-stratified spatial regression approach. International Journal of Health Geographics, 2017, 16, 26.	2.5	19
47	Utilizing daily excessive concentration hours to estimate cardiovascular mortality and years of life lost attributable to fine particulate matter in Tehran, Iran. Science of the Total Environment, 2020, 703, 134909.	8.0	19
48	Short-term impacts of ambient fine particulate matter on emergency department visits: Comparative analysis of three exposure metrics. Chemosphere, 2020, 241, 125012.	8.2	18
49	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. Remote Sensing, 2019, 11, 2724.	4.0	17
50	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. Science of the Total Environment, 2020, 711, 135050.	8.0	15
51	Coupling mobile phone data with machine learning: How misclassification errors in ambient PM2.5 exposure estimates are produced?. Science of the Total Environment, 2020, 745, 141034.	8.0	15
52	The associations between social, built and geophysical environment and age-specific dementia mortality among older adults in a high-density Asian city. International Journal of Health Geographics, 2020, 19, 53.	2.5	15
53	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. Chemosphere, 2021, 272, 129926.	8.2	15
54	Spatiotemporal variability in long-term population exposure to PM2.5 and lung cancer mortality attributable to PM2.5 across the Yangtze River Delta (YRD) region over 2010–2016: A multistage approach. Chemosphere, 2020, 257, 127153.	8.2	14

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55	The Impact of the Environment on the Quality of Life and the Mediating Effects of Sleep and Stress. International Journal of Environmental Research and Public Health, 2020, 17, 8529.	2.6	13
56	A Data-Driven Framework for Walkability Measurement with Open Data: A Case Study of Triple Cities, New York. ISPRS International Journal of Geo-Information, 2020, 9, 36.	2.9	13
57	Ridership exceedance exposure risk: Novel indicators to assess PM2.5 health exposure of bike sharing riders. Environmental Research, 2021, 197, 111020.	7.5	13
58	Suburban neighborhood environments and depression: A case study of Guangzhou, China. Journal of Transport and Health, 2019, 15, 100624.	2.2	12
59	Characteristics and determinants of personal exposure to PM2.5 mass and components in adult subjects in the megacity of Guangzhou, China. Atmospheric Environment, 2020, 224, 117295.	4.1	12
60	Neighborhood Built Environment and Late-Life Depression: A Multilevel Path Analysis in a Chinese Society. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2021, 76, 2143-2154.	3.9	12
61	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. Health and Place, 2021, 70, 102585.	3.3	12
62	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. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032478.	3.3	10
63	Evaluation of risk perception, knowledge, and preparedness of extreme storm events for the improvement of coastal resilience among migrants: A lesson from Hong Kong. Population, Space and Place, 2020, 26, e2318.	2.3	10
64	Comparative assessment of gridded population data sets for complex topography: a study of Southwest China. Population and Environment, 2021, 42, 360-378.	3.0	10
65	The half-degree matters for heat-related health impacts under the 1.5ÂÂ°C and 2ÂÂ°C warming scenarios: Evidence from ambulance data in Shenzhen, China. Advances in Climate Change Research, 2021, 12, 628-637.	5.1	10
66	Perceived differences in the (re)production of environmental deprivation between sub-populations: A study combining citizensâ€™ perceptions with remote-sensed and administrative data. Building and Environment, 2020, 174, 106769.	6.9	9
67	Temperature variation and preterm birth among live singleton deliveries in Shenzhen, China: A time-to-event analysis. Environmental Research, 2021, 195, 110834.	7.5	9
68	Evaluation of life expectancy loss associated with submicron and fine particulate matter (PM1 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 68134-68143.	5.3	9
69	Fuzzy-based spatial modeling approach to predict island karst distribution: a conceptual model. Environmental Earth Sciences, 2014, 71, 1369-1377.	2.7	7
70	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. Air Quality, Atmosphere and Health, 2020, 13, 721-730.	3.3	7
71	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. Sustainable Cities and Society, 2021, 66, 102678.	10.4	7
72	Assessing the effectiveness and pathways of planned shelters in protecting mental health of flood victims in China. Environmental Research Letters, 2020, 15, 125006.	5.2	7

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73	Low ambient temperature shortened life expectancy in Hong Kong: A time-series analysis of 1.4 million years of life lost from cardiorespiratory diseases. Environmental Research, 2021, 201, 111652.	7.5	6
74	Associations between metabolic syndrome and anthropogenic heat emissions in northeastern China. Environmental Research, 2022, 204, 111974.	7.5	6
75	Effects of Urban Green Space on Cardiovascular and Respiratory Biomarkers in Chinese Adults: Panel Study Using Digital Tracking Devices. JMIR Cardio, 2021, 5, e31316.	1.7	6
76	Spatiotemporal Prediction of Increasing Winter Perceived Temperature across a Sub-Tropical City for Sustainable Planning and Climate Change Mitigation. International Journal of Environmental Research and Public Health, 2019, 16, 497.	2.6	5
77	Geospatial context of social and environmental factors associated with health risk during temperature extremes: Review and discussion. Geospatial Health, 2020, 15, .	0.8	5
78	Community planning for a â€œhealthy built environmentâ€•via a human-environment nexus? A multifactorial assessment of environmental characteristics and age-specific stroke mortality in Hong Kong. Chemosphere, 2022, 287, 132043.	8.2	5
79	Spatial uncertainty and environment-health association: An empirical study of osteoporosis among â€œold residentsâ€•in public housing estates across a hilly environment. Social Science and Medicine, 2022, 306, 115155.	3.8	5
80	Mortality risk of a future heat event across a subtropical city: implications for community planning and health policy. Natural Hazards, 2020, 103, 623-637.	3.4	4
81	Neighborhood built environments and cognition in later life. Aging and Mental Health, 2023, 27, 466-474.	2.8	4
82	The role of karst in engineering and environmental geosciences. Solid Earth, 2011, 2, 155-158.	2.8	3
83	Deep Learning Approach for Rock Outcrops Identification. , 2018, , .		3
84	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. Annals of the American Association of Geographers, 2020, , 1-17.	2.2	3
85	The direct and interactive impacts of hydrological factors on bacillary dysentery across different geographical regions in central China. Science of the Total Environment, 2021, 764, 144609.	8.0	3
86	The association between anthropogenic heat and adult hypertension in Northeast China. Science of the Total Environment, 2022, 815, 152926.	8.0	3
87	â€œPlanned greenspaceâ€•or â€œnatural greenspaceâ€•in a high-density city with compact environment? An empirical study of osteoporosis among senior population. Building and Environment, 2022, 219, 109117.	6.9	3
88	Mapping a pollution index for the transboundary Red River Valley, Asia, 2009â€"2011. Journal of Maps, 2015, 11, 396-404.	2.0	2
89	Does air pollution contribute to urbanâ€"rural disparity in male lung cancer diseases in China?. Environmental Science and Pollution Research, 2022, 29, 23905-23918.	5.3	2
90	Retrieval of Urban Surface Temperature Using Remote Sensing Satellite Imagery. , 2019, , 129-154.		1

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91	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. BMC Public Health, 2019, 19, 1290.	2.9	1
92	Systematic identification of heat events associated with emergency admissions to enhance the heat-health action plan in a subtropical city: a data-driven approach. Environmental Science and Pollution Research, 2022, 29, 89273-89282.	5.3	1
93	Community health risk associated with weather-related air pollution events: Perspectives of urban resilience and mitigation. , 2021, , 273-279.		0
94	Association between awareness of vulnerability and disaster preparedness in an infrastructure-resilient city: a population-based study. Public Health, 2022, 209, 23-29.	2.9	0