

Hong Chen

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

5,879
citations

109321

35
h-index

118850

62
g-index

63
all docs

63
docs citations

63
times ranked

7939
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term exposure to ambient air pollution and individual emergency department visits for COVID-19: a case-crossover study in Canada. <i>Thorax</i> , 2023, 78, 459-466.	5.6	14
2	Ambient air pollution and the risk of acute myocardial infarction and stroke: A national cohort study. <i>Environmental Research</i> , 2022, 204, 111975.	7.5	21
3	Differential Mortality Risks Associated With PM2.5 Components. <i>Epidemiology</i> , 2022, 33, 167-175.	2.7	26
4	Air Pollution as a Risk Factor for Incident Chronic Obstructive Pulmonary Disease and Asthma. A 15-Year Population-based Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1138-1148.	5.6	71
5	Ethnic and Immigrant Variations in the Time Trends of Dementia and Parkinsonism. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-12.	0.5	2
6	A Population-Based Cohort Study of Respiratory Disease and Long-Term Exposure to Iron and Copper in Fine Particulate Air Pollution and Their Combined Impact on Reactive Oxygen Species Generation in Human Lungs. <i>Environmental Science & Technology</i> , 2021, 55, 3807-3818.	10.0	39
7	Individual and social determinants of SARS-CoV-2 testing and positivity in Ontario, Canada: a population-wide study. <i>Cmaj</i> , 2021, 193, E723-E734.	2.0	65
8	Integrating random forests and propagation models for high-resolution noise mapping. <i>Environmental Research</i> , 2021, 195, 110905.	7.5	6
9	Fine particulate matter concentration and composition and the incidence of childhood asthma. <i>Environment International</i> , 2021, 152, 106486.	10.0	30
10	Long-term exposure to air pollution and mortality in a prospective cohort: The Ontario Health Study. <i>Environment International</i> , 2021, 154, 106570.	10.0	26
11	Tree characteristics and environmental noise in complex urban settings – A case study from Montreal, Canada. <i>Environmental Research</i> , 2021, 202, 111887.	7.5	14
12	Long-term exposure to iron and copper in fine particulate air pollution and their combined impact on reactive oxygen species concentration in lung fluid: a population-based cohort study of cardiovascular disease incidence and mortality in Toronto, Canada. <i>International Journal of Epidemiology</i> , 2021, 50, 589-601.	1.9	25
13	Changes in exposure to ambient fine particulate matter after relocating and long term survival in Canada: quasi-experimental study. <i>BMJ, The</i> , 2021, 375, n2368.	6.0	14
14	Comparison of land use regression and random forests models on estimating noise levels in five Canadian cities. <i>Environmental Pollution</i> , 2020, 256, 113367.	7.5	23
15	Exposure to ambient air pollution and the incidence of lung cancer and breast cancer in the Ontario Population Health and Environment Cohort. <i>International Journal of Cancer</i> , 2020, 146, 2450-2459.	5.1	53
16	The impact of air pollution on the incidence of diabetes and survival among prevalent diabetes cases. <i>Environment International</i> , 2020, 134, 105333.	10.0	50
17	Developing a harmonized heat warning and information system for Ontario: a case study in collaboration. <i>Canadian Journal of Public Health</i> , 2020, 111, 426-432.	2.3	6
18	Understanding the Joint Impacts of Fine Particulate Matter Concentration and Composition on the Incidence and Mortality of Cardiovascular Disease: A Component-Adjusted Approach. <i>Environmental Science & Technology</i> , 2020, 54, 4388-4399.	10.0	36

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19	Ambient air pollution and incidence of early-onset paediatric type 1 diabetes: A retrospective population-based cohort study. <i>Environmental Research</i> , 2020, 184, 109291.	7.5	24
20	Ambient air pollution and the risk of pediatric-onset inflammatory bowel disease: A population-based cohort study. <i>Environment International</i> , 2020, 138, 105676.	10.0	32
21	Urban green space and the risks of dementia and stroke. <i>Environmental Research</i> , 2020, 186, 109520.	7.5	56
22	Ambient ultrafine particle concentrations and incidence of childhood cancers. <i>Environment International</i> , 2020, 145, 106135.	10.0	12
23	Exposure to ambient air pollution and the incidence of congestive heart failure and acute myocardial infarction: A population-based study of 5.1 million Canadian adults living in Ontario. <i>Environment International</i> , 2019, 132, 105004.	10.0	102
24	Interaction between neighborhood walkability and traffic-related air pollution on hypertension and diabetes: The CANHEART cohort. <i>Environment International</i> , 2019, 132, 104799.	10.0	53
25	Spatial variations in ambient ultrafine particle concentrations and risk of congenital heart defects. <i>Environment International</i> , 2019, 130, 104953.	10.0	25
26	Air quality alerts benefit asthmatics – Authors' reply. <i>Lancet Planetary Health</i> , The, 2019, 3, e14.	11.4	1
27	Ambient Air Pollution and the Risk of Atrial Fibrillation and Stroke: A Population-Based Cohort Study. <i>Environmental Health Perspectives</i> , 2019, 127, 87009.	6.0	67
28	Time Trends of the Incidence, Prevalence, and Mortality of Parkinsonism. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 184-191.	0.5	6
29	Evaluating the potential public health impacts of the Toronto cold weather program. <i>Environment International</i> , 2019, 127, 381-386.	10.0	8
30	Associations of Long-Term Exposure to Ultrafine Particles and Nitrogen Dioxide With Increased Incidence of Congestive Heart Failure and Acute Myocardial Infarction. <i>American Journal of Epidemiology</i> , 2019, 188, 151-159.	3.4	58
31	Effect of air quality alerts on human health: a regression discontinuity analysis in Toronto, Canada. <i>Lancet Planetary Health</i> , The, 2018, 2, e19-e26.	11.4	68
32	Exploring nighttime road traffic noise: A comprehensive predictive surface for Toronto, Canada. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 389-398.	1.0	7
33	Effect modification of perinatal exposure to air pollution and childhood asthma incidence. <i>European Respiratory Journal</i> , 2018, 51, 1701884.	6.7	57
34	Exposure to Ambient Ultrafine Particles and Nitrogen Dioxide and Incident Hypertension and Diabetes. <i>Epidemiology</i> , 2018, 29, 323-332.	2.7	90
35	Temporal trends in multiple sclerosis prevalence and incidence in a large population. <i>Neurology</i> , 2018, 90, e1435-e1441.	1.1	60
36	Increased coronary heart disease and stroke hospitalisations from ambient temperatures in Ontario. <i>Heart</i> , 2018, 104, 673-679.	2.9	75

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37	Associations between Living Near Water and Risk of Mortality among Urban Canadians. <i>Environmental Health Perspectives</i> , 2018, 126, 077008.	6.0	36
38	Fine Particulate Air Pollution and Adverse Birth Outcomes: Effect Modification by Regional Nonvolatile Oxidative Potential. <i>Environmental Health Perspectives</i> , 2018, 126, 077012.	6.0	66
39	Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9592-9597.	7.1	1,407
40	Long-term exposure to air pollution and the incidence of multiple sclerosis: A population-based cohort study. <i>Environmental Research</i> , 2018, 166, 437-443.	7.5	34
41	Effects of ambient air pollution on incident Parkinson's disease in Ontario, 2001 to 2013: a population-based cohort study. <i>International Journal of Epidemiology</i> , 2018, 47, 2038-2048.	1.9	69
42	Maternal exposure to ambient air pollution and risk of early childhood cancers: A population-based study in Ontario, Canada. <i>Environment International</i> , 2017, 100, 139-147.	10.0	84
43	Living near major roads and the incidence of dementia, Parkinson's disease, and multiple sclerosis: a population-based cohort study. <i>Lancet, The</i> , 2017, 389, 718-726.	13.7	567
44	Associations between fine particulate matter and mortality in the 2001 Canadian Census Health and Environment Cohort. <i>Environmental Research</i> , 2017, 159, 406-415.	7.5	136
45	Urban greenness and mortality in Canada's largest cities: a national cohort study. <i>Lancet Planetary Health, The</i> , 2017, 1, e289-e297.	11.4	222
46	Exposure to ambient air pollution and the incidence of dementia: A population-based cohort study. <i>Environment International</i> , 2017, 108, 271-277.	10.0	261
47	Long-term exposure to ambient ultrafine particles and respiratory disease incidence in Toronto, Canada: a cohort study. <i>Environmental Health</i> , 2017, 16, 64.	4.0	94
48	Exposure to lead in petrol and increased incidence of dementia – Authors' reply. <i>Lancet, The</i> , 2017, 389, 2372-2373.	13.7	0
49	Ambient Fine Particulate Matter and Mortality among Survivors of Myocardial Infarction: Population-Based Cohort Study. <i>Environmental Health Perspectives</i> , 2016, 124, 1421-1428.	6.0	72
50	Assessment of the effect of cold and hot temperatures on mortality in Ontario, Canada: a population-based study. <i>CMAJ Open</i> , 2016, 4, E48-E58.	2.4	35
51	Hospitalizations from Hypertensive Diseases, Diabetes, and Arrhythmia in Relation to Low and High Temperatures: Population-Based Study. <i>Scientific Reports</i> , 2016, 6, 30283.	3.3	44
52	A class of non-linear exposure-response models suitable for health impact assessment applicable to large cohort studies of ambient air pollution. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 961-972.	3.3	106
53	Cohort Profile: The Ontario Population Health and Environment Cohort (ONPHEC). <i>International Journal of Epidemiology</i> , 2016, 46, dyw030.	1.9	24
54	Ambient air pollution and adverse birth outcomes: Differences by maternal comorbidities. <i>Environmental Research</i> , 2016, 148, 457-466.	7.5	129

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55	Risk estimates of mortality attributed to low concentrations of ambient fine particulate matter in the Canadian community health survey cohort. <i>Environmental Health</i> , 2016, 15, 18.	4.0	149
56	Chronic disease prevalence in women and air pollution – A 30-year longitudinal cohort study. <i>Environment International</i> , 2015, 80, 26-32.	10.0	83
57	Abstract 16987: Increased Ischemic Heart Disease And Stroke-related Hospitalizations From Cold Temperature in Ontario, Canada: Population-based Study. <i>Circulation</i> , 2015, 132, .	1.6	1
58	Indirect adjustment for multiple missing variables applicable to environmental epidemiology. <i>Environmental Research</i> , 2014, 134, 482-487.	7.5	54
59	Spatial Association Between Ambient Fine Particulate Matter and Incident Hypertension. <i>Circulation</i> , 2014, 129, 562-569.	1.6	168
60	Temporal and spatial variability of traffic-related noise in the City of Toronto, Canada. <i>Science of the Total Environment</i> , 2014, 472, 1100-1107.	8.0	66
61	Risk of Incident Diabetes in Relation to Long-term Exposure to Fine Particulate Matter in Ontario, Canada. <i>Environmental Health Perspectives</i> , 2013, 121, 804-810.	6.0	221
62	Long-Term Exposure to Traffic-Related Air Pollution and Cardiovascular Mortality. <i>Epidemiology</i> , 2013, 24, 35-43.	2.7	138
63	A Systematic Review of the Relation Between Long-term Exposure to Ambient Air Pollution and Chronic Diseases. <i>Reviews on Environmental Health</i> , 2008, 23, 243-97.	2.4	291