Eric Lavigne

List of Publications by Year
in descending order

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117 papers	9,941 citations	47 h-index	95 g-index
		47006	38395
121 all docs	121 docs citations	121 times ranked	9075 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. Thorax, 2023, 78, 459-466.	5.6	14
2	Seasonal variation in mortality and the role of temperature: a multi-country multi-city study. International Journal of Epidemiology, 2022, 51, 122-133.	1.9	20
3	Ambient air pollution and the risk of acute myocardial infarction and stroke: A national cohort study. Environmental Research, 2022, 204, 111975.	7.5	21
4	Critical Time Windows for Air Pollution Exposure and Birth Weight in a Multicity Canadian Pregnancy Cohort. Epidemiology, 2022, 33, 7-16.	2.7	16
5	Short-term changes in meteorological conditions and suicide: A systematic review and meta-analysis. Environmental Research, 2022, 207, 112230.	7.5	16
6	Residential proximity to greenness and adverse birth outcomes in urban areas: Findings from a national Canadian population-based study. Environmental Research, 2022, 204, 112344.	7.5	11
7	Within city spatiotemporal variation of pollen concentration in the city of Toronto, Canada. Environmental Research, 2022, 206, 112566.	7.5	4
8	Global Health Impacts for Economic Models of Climate Change: A Systematic Review and Meta-Analysis. Annals of the American Thoracic Society, 2022, 19, 1203-1212.	3.2	14
9	Comparison of weather station and climate reanalysis data for modelling temperature-related mortality. Scientific Reports, 2022, 12, 5178.	3.3	42
10	Heat-related mortality prediction using low-frequency climate oscillation indices: Case studies of the cities of MontrÃ©al and QuÃ©bec, Canada. Environmental Epidemiology, 2022, 6, e206.	3.0	3
11	Fluctuating temperature modifies heat-mortality association around the globe. Innovation(China), 2022, 3, 100225.	9.1	7
12	Differential Mortality Risks Associated With PM2.5 Components. Epidemiology, 2022, 33, 167-175.	2.7	26
13	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000â€“19: a three-stage modelling study. Lancet Planetary Health, The, 2022, 6, e410-e421.	11.4	27
14	Air Pollution as a Risk Factor for Incident Chronic Obstructive Pulmonary Disease and Asthma. A 15-Year Population-based Cohort Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1138-1148.	5.6	71
15	Extreme heat and paediatric emergency department visits in Southwestern Ontario. Paediatrics and Child Health, 2021, 26, 305-309.	0.6	9
16	Residential greenness and indicators of stress and mental well-being in a Canadian national-level survey. Environmental Research, 2021, 192, 110267.	7.5	29
17	Systematic review and meta-analysis of cohort studies of long term outdoor nitrogen dioxide exposure and mortality. PLoS ONE, 2021, 16, e0246451.	2.5	35
18	Short term associations of ambient nitrogen dioxide with daily total, cardiovascular, and respiratory mortality: multilocation analysis in 398 cities. BMJ, The, 2021, 372, n534.	6.0	99

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19	Ambient carbon monoxide and daily mortality: a global time-series study in 337 cities. Lancet Planetary Health, The, 2021, 5, e191-e199.	11.4	35
20	The burden of heat-related mortality attributable to recent human-induced climate change. Nature Climate Change, 2021, 11, 492-500.	18.8	400
21	A heat-health watch and warning system with extended season and evolving thresholds. BMC Public Health, 2021, 21, 1479.	2.9	11
22	Fine particulate matter concentration and composition and the incidence of childhood asthma. Environment International, 2021, 152, 106486.	10.0	30
23	Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: a three-stage modelling study. Lancet Planetary Health, The, 2021, 5, e415-e425.	11.4	284
24	Predicting high-resolution spatial and temporal variations in summer air temperatures and its effect on asthma and myocardial-infarctions in Montreal, Canada. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
25	The influence of the urban forest on the association between fine particulate air pollution and onset of childhood asthma. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
26	A cold-health watch and warning system, application to the province of Quebec. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
27	Dynamics thresholds for heat-health watch and warning system with extended season. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
28	Geographical Variations of the Minimum Mortality Temperature at a Global Scale. Environmental Epidemiology, 2021, 5, e169.	3.0	28
29	Mortality risk attributable to wildfire-related PM2Â·5 pollution: a global time series study in 749 locations. Lancet Planetary Health, The, 2021, 5, e579-e587.	11.4	109
30	Tree characteristics and environmental noise in complex urban settings â€“ A case study from Montreal, Canada. Environmental Research, 2021, 202, 111887.	7.5	14
31	Residential Greenspace in Childhood Reduces Risk of Pediatric Inflammatory Bowel Disease: A Population-Based Cohort Study. American Journal of Gastroenterology, 2021, 116, 347-353.	0.4	28
32	Association of Sulfur, Transition Metals, and the Oxidative Potential of Outdoor PM2.5 with Acute Cardiovascular Events: A Case-Crossover Study of Canadian Adults. Environmental Health Perspectives, 2021, 129, 107005.	6.0	35
33	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. Nature Communications, 2021, 12, 5968.	12.8	66
34	Exposure to ambient air pollution and the incidence of lung cancer and breast cancer in the Ontario Population Health and Environment Cohort. International Journal of Cancer, 2020, 146, 2450-2459.	5.1	53
35	The impact of air pollution on the incidence of diabetes and survival among prevalent diabetes cases. Environment International, 2020, 134, 105333.	10.0	50
36	Within-city Spatial Variations in Ambient Ultrafine Particle Concentrations and Incident Brain Tumors in Adults. Epidemiology, 2020, 31, 177-183.	2.7	50

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37	Residential Greenness and Cardiovascular Disease Incidence, Readmission, and Mortality. Environmental Health Perspectives, 2020, 128, 87005.	6.0	56
38	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. Lancet Planetary Health, The, 2020, 4, e512-e521.	11.4	56
39	Systematic review and meta-analysis of case-crossover and time-series studies of short term outdoor nitrogen dioxide exposure and ischemic heart disease morbidity. Environmental Health, 2020, 19, 47.	4.0	14
40	Short term association between ozone and mortality: global two stage time series study in 406 locations in 20 countries. BMJ, The, 2020, 368, m108.	6.0	109
41	A cold-health watch and warning system, applied to the province of Quebec (Canada). Science of the Total Environment, 2020, 741, 140188.	8.0	7
42	Understanding the Joint Impacts of Fine Particulate Matter Concentration and Composition on the Incidence and Mortality of Cardiovascular Disease: A Component-Adjusted Approach. Environmental Science & Technology, 2020, 54, 4388-4399.	10.0	36
43	Ambient air pollution and incidence of early-onset paediatric type 1 diabetes: A retrospective population-based cohort study. Environmental Research, 2020, 184, 109291.	7.5	24
44	Ambient air pollution and the risk of pediatric-onset inflammatory bowel disease: A population-based cohort study. Environment International, 2020, 138, 105676.	10.0	32
45	Urban green space and the risks of dementia and stroke. Environmental Research, 2020, 186, 109520.	7.5	56
46	Air Conditioning and Heat-related Mortality. Epidemiology, 2020, 31, 779-787.	2.7	72
47	Ambient ultrafine particle concentrations and incidence of childhood cancers. Environment International, 2020, 145, 106135.	10.0	12
48	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. Environment International, 2019, 132, 105004.	10.0	102
49	Ambient Particulate Air Pollution and Daily Mortality in 652 Cities. New England Journal of Medicine, 2019, 381, 705-715.	27.0	978
50	Toward an Improved Air Pollution Warning System in Quebec. International Journal of Environmental Research and Public Health, 2019, 16, 2095.	2.6	12
51	Predicted temperature-increase-induced global health burden and its regional variability. Environment International, 2019, 131, 105027.	10.0	34
52	Spatial variations in ambient ultrafine particle concentrations and risk of congenital heart defects. Environment International, 2019, 130, 104953.	10.0	25
53	The Role of Humidity in Associations of High Temperature with Mortality: A Multicountry, Multicity Study. Environmental Health Perspectives, 2019, 127, 97007.	6.0	84
54	How urban characteristics affect vulnerability to heat and cold: a multi-country analysis. International Journal of Epidemiology, 2019, 48, 1101-1112.	1.9	131

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55	Spatiotemporal Variations in Ambient Ultrafine Particles and the Incidence of Childhood Asthma. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1487-1495.	5.6	64
56	Suicide and Ambient Temperature: A Multi-Country Multi-City Study. Environmental Health Perspectives, 2019, 127, 117007.	6.0	102
57	Air pollution in the week prior to delivery and preterm birth in 24 Canadian cities: a time to event analysis. Environmental Health, 2019, 18, 1.	4.0	49
58	TOC GENERATION TEST: Suicide and Ambient Temperature: A Multi-Country Multi-City Study. Environmental Health Perspectives, 2019, 127, 117007.	6.0	3
59	Number concentrations of ultrafine particles and the incidence of postmenopausal breast cancer. Environmental Epidemiology, 2018, 2, e006.	3.0	4
60	Effect modification of perinatal exposure to air pollution and childhood asthma incidence. European Respiratory Journal, 2018, 51, 1701884.	6.7	57
61	A multi-country analysis on potential adaptive mechanisms to cold and heat in a changing climate. Environment International, 2018, 111, 239-246.	10.0	125
62	Associations between long-term PM2.5 and ozone exposure and mortality in the Canadian Census Health and Environment Cohort (CANCHEC), by spatial synoptic classification zone. Environment International, 2018, 111, 200-211.	10.0	102
63	Mortality burden of diurnal temperature range and its temporal changes: A multi-country study. Environment International, 2018, 110, 123-130.	10.0	72
64	Increased coronary heart disease and stroke hospitalisations from ambient temperatures in Ontario. Heart, 2018, 104, 673-679.	2.9	75
65	Exploration of the spatial patterns and determinants of asthma prevalence and health services use in Ontario using a Bayesian approach. PLoS ONE, 2018, 13, e0208205.	2.5	11
66	Association of short-term exposure to fine particulate air pollution and mortality: effect modification by oxidant gases. Scientific Reports, 2018, 8, 16097.	3.3	22
67	Fine Particulate Air Pollution and Adverse Birth Outcomes: Effect Modification by Regional Nonvolatile Oxidative Potential. Environmental Health Perspectives, 2018, 126, 077012.	6.0	66
68	Temperature-related mortality impacts under and beyond Paris Agreement climate change scenarios. Climatic Change, 2018, 150, 391-402.	3.6	107
69	Quantifying excess deaths related to heatwaves under climate change scenarios: A multicountry time series modelling study. PLoS Medicine, 2018, 15, e1002629.	8.4	232
70	Aeroallergens in Canada: Distribution, Public Health Impacts, and Opportunities for Prevention. International Journal of Environmental Research and Public Health, 2018, 15, 1577.	2.6	20
71	Clarifications on the Design and Interpretation of Conclusions from Health Canadaâ€™s Study on Wind Turbine Noise and Health. Acoustics Australia, 2018, 46, 99-110.	2.4	6
72	Long-Term Exposure to Air Pollution and the Incidence of Chronic Obstructive Pulmonary Disease (COPD) and Asthma: A Population-Based Cohort Study in Ontario, Canada. ISEE Conference Abstracts, 2018, 2018, .	0.0	1

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73	Maternal exposure to ambient air pollution and risk of early childhood cancers: A population-based study in Ontario, Canada. Environment International, 2017, 100, 139-147.	10.0	84
74	Spatial variations in ambient ultrafine particle concentrations and the risk of incident prostate cancer: A case-control study. Environmental Research, 2017, 156, 374-380.	7.5	33
75	Biomass Burning as a Source of Ambient Fine Particulate Air Pollution and Acute Myocardial Infarction. Epidemiology, 2017, 28, 329-337.	2.7	60
76	The association between the incidence of postmenopausal breast cancer and concentrations at street-level of nitrogen dioxide and ultrafine particles. Environmental Research, 2017, 158, 7-15.	7.5	55
77	Projections of temperature-related excess mortality under climate change scenarios. Lancet Planetary Health, The, 2017, 1, e360-e367.	11.4	497
78	Exhaust ventilation in attached garages improves residential indoor air quality. Indoor Air, 2017, 27, 487-499.	4.3	17
79	Longer-Term Impact of High and Low Temperature on Mortality: An International Study to Clarify Length of Mortality Displacement. Environmental Health Perspectives, 2017, 125, 107009.	6.0	52
80	Heat Wave and Mortality: A Multicountry, Multicommunity Study. Environmental Health Perspectives, 2017, 125, 087006.	6.0	320
81	Maternal Exposure to Aeroallergens and the Risk of Early Delivery. Epidemiology, 2017, 28, 107-115.	2.7	7
82	Temperature Variability and Mortality: A Multi-Country Study. Environmental Health Perspectives, 2016, 124, 1554-1559.	6.0	213
83	Assessment of the effect of cold and hot temperatures on mortality in Ontario, Canada: a population-based study. CMAJ Open, 2016, 4, E48-E58.	2.4	35
84	Exposure to wind turbine noise: Perceptual responses and reported health effects. Journal of the Acoustical Society of America, 2016, 139, 1443-1454.	1.1	128
85	Hospitalizations from Hypertensive Diseases, Diabetes, and Arrhythmia in Relation to Low and High Temperatures: Population-Based Study. Scientific Reports, 2016, 6, 30283.	3.3	44
86	Estimating annoyance to calculated wind turbine shadow flicker is improved when variables associated with wind turbine noise exposure are considered. Journal of the Acoustical Society of America, 2016, 139, 1480-1492.	1.1	18
87	Airborne Pollen Concentrations and Emergency Room Visits for Myocardial Infarction: A Multicity Case-Crossover Study in Ontario, Canada. American Journal of Epidemiology, 2016, 183, 613-621.	3.4	24
88	Ambient air pollution and adverse birth outcomes: Differences by maternal comorbidities. Environmental Research, 2016, 148, 457-466.	7.5	129
89	Air Pollution Exposure During Pregnancy and Fetal Markers of Metabolic Function. American Journal of Epidemiology, 2016, 183, 842-851.	3.4	39
90	Childhood autism spectrum disorders and exposure to nitrogen dioxide, and particulate matter air pollution: A review and meta-analysis. Environmental Research, 2016, 151, 763-776.	7.5	114

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91	Ambient Temperature and the Risk of Renal Colic: A Population-Based Study of the Impact of Demographics and Comorbidity. Journal of Endourology, 2016, 30, 1138-1143.	2.1	17
92	Personal and situational variables associated with wind turbine noise annoyance. Journal of the Acoustical Society of America, 2016, 139, 1455-1466.	1.1	75
93	Air Pollution During Pregnancy and Cord Blood Immune System Biomarkers. Journal of Occupational and Environmental Medicine, 2016, 58, 979-986.	1.7	27
94	Changes in Susceptibility to Heat During the Summer: A Multicountry Analysis. American Journal of Epidemiology, 2016, 183, 1027-1036.	3.4	106
95	Ambient PM2.5 and risk of emergency room visits for myocardial infarction: impact of regional PM2.5 oxidative potential: a case-crossover study. Environmental Health, 2016, 15, 46.	4.0	119
96	Oxidative burden of fine particulate air pollution and risk of cause-specific mortality in the Canadian Census Health and Environment Cohort (CanCHEC). Environmental Research, 2016, 146, 92-99.	7.5	89
97	Fine Particulate Matter and Emergency Room Visits for Respiratory Illness. Effect Modification by Oxidative Potential. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 577-586.	5.6	97
98	Mortality and hospital admission rates for unintentional nonfire-related carbon monoxide poisoning across Canada: a trend analysis. CMAJ Open, 2015, 3, E223-E230.	2.4	7
99	Temporal Variation in Heatâ€“Mortality Associations: A Multicountry Study. Environmental Health Perspectives, 2015, 123, 1200-1207.	6.0	326
100	Mortality risk attributable to high and low ambient temperature: a multicountry observational study. Lancet, The, 2015, 386, 369-375.	13.7	1,676
101	Estimating risk of emergency room visits for asthma from personal versus fixed site measurements of NO2. Environmental Research, 2015, 137, 323-328.	7.5	10
102	An assessment of quality of life using the WHOQOL-BREF among participants living in the vicinity of wind turbines. Environmental Research, 2015, 142, 227-238.	7.5	49
103	Geospatial relationships of air pollution and acute asthma events across the Detroitâ€“Windsor international border: Study design and preliminary results. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 346-357.	3.9	33
104	Global Variation in the Effects of Ambient Temperature on Mortality. Epidemiology, 2014, 25, 781-789.	2.7	451
105	Acute impacts of extreme temperature exposure on emergency room admissions related to mental and behavior disorders in Toronto, Canada. Journal of Affective Disorders, 2014, 155, 154-161.	4.1	127
106	Extreme ambient temperatures and cardiorespiratory emergency room visits: assessing risk by comorbid health conditions in a time series study. Environmental Health, 2014, 13, 5.	4.0	60
107	Breast cancer detection and survival among women with cosmetic breast implants: systematic review and meta-analysis of observational studies. BMJ, The, 2013, 346, f2399-f2399.	6.0	44
108	Can Breast Implants Hinder Breast Cancer Survival?. Women's Health, 2013, 9, 419-420.	1.5	1

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109	A pilot study: research poster presentations as an educational tool for undergraduate epidemiology students. Advances in Medical Education and Practice, 2013, 4, 183.	1.5	10
110	Self-reported and objectively measured health indicators among a sample of Canadians living within the vicinity of industrial wind turbines: Social survey and sound level modelling methodology. Noise Control Engineering Journal, 2013, 21, 122-131.	0.1	9
111	Do Breast Implants Adversely Affect Prognosis among Those Subsequently Diagnosed with Breast Cancer? Findings from an Extended Follow-Up of a Canadian Cohort. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 1868-1876.	2.5	9
112	Air Pollution and Emergency Department Visits for Asthma in Windsor, Canada. Canadian Journal of Public Health, 2012, 103, 4-8.	2.3	55
113	Canadian breast implant cohort: Extended followâ€up of cancer incidence. International Journal of Cancer, 2012, 131, E1148-57.	5.1	25
114	Psychosocial work environment, interpersonal violence at work and psychotropic drug use among correctional officers. International Journal of Law and Psychiatry, 2010, 33, 122-129.	0.9	26
115	Machine learning approaches to identify thresholds in a heatâ€health warning system context. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	1.1	3
116	Projections of Excessive Mortality Related to Diurnal Temperature Range Under Climate Change Scenarios: A Multi-Country Study. SSRN Electronic Journal, 0, , .	0.4	0
117	Constrained groupwise additive index models. Biostatistics, 0, , .	1.5	0