

Eric Lavigne

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

9,941
citations

47006

47
h-index

38395

95
g-index

121
all docs

121
docs citations

121
times ranked

9075
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality risk attributable to high and low ambient temperature: a multicountry observational study. <i>Lancet, The</i> , 2015, 386, 369-375.	13.7	1,676
2	Ambient Particulate Air Pollution and Daily Mortality in 652 Cities. <i>New England Journal of Medicine</i> , 2019, 381, 705-715.	27.0	978
3	Projections of temperature-related excess mortality under climate change scenarios. <i>Lancet Planetary Health, The</i> , 2017, 1, e360-e367.	11.4	497
4	Global Variation in the Effects of Ambient Temperature on Mortality. <i>Epidemiology</i> , 2014, 25, 781-789.	2.7	451
5	The burden of heat-related mortality attributable to recent human-induced climate change. <i>Nature Climate Change</i> , 2021, 11, 492-500.	18.8	400
6	Temporal Variation in Heat-Related Mortality Associations: A Multicountry Study. <i>Environmental Health Perspectives</i> , 2015, 123, 1200-1207.	6.0	326
7	Heat Wave and Mortality: A Multicountry, Multicommunity Study. <i>Environmental Health Perspectives</i> , 2017, 125, 087006.	6.0	320
8	Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: a three-stage modelling study. <i>Lancet Planetary Health, The</i> , 2021, 5, e415-e425.	11.4	284
9	Quantifying excess deaths related to heatwaves under climate change scenarios: A multicountry time series modelling study. <i>PLoS Medicine</i> , 2018, 15, e1002629.	8.4	232
10	Temperature Variability and Mortality: A Multi-Country Study. <i>Environmental Health Perspectives</i> , 2016, 124, 1554-1559.	6.0	213
11	How urban characteristics affect vulnerability to heat and cold: a multi-country analysis. <i>International Journal of Epidemiology</i> , 2019, 48, 1101-1112.	1.9	131
12	Ambient air pollution and adverse birth outcomes: Differences by maternal comorbidities. <i>Environmental Research</i> , 2016, 148, 457-466.	7.5	129
13	Exposure to wind turbine noise: Perceptual responses and reported health effects. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 1443-1454.	1.1	128
14	Acute impacts of extreme temperature exposure on emergency room admissions related to mental and behavior disorders in Toronto, Canada. <i>Journal of Affective Disorders</i> , 2014, 155, 154-161.	4.1	127
15	A multi-country analysis on potential adaptive mechanisms to cold and heat in a changing climate. <i>Environment International</i> , 2018, 111, 239-246.	10.0	125
16	Ambient PM2.5 and risk of emergency room visits for myocardial infarction: impact of regional PM2.5 oxidative potential: a case-crossover study. <i>Environmental Health</i> , 2016, 15, 46.	4.0	119
17	Childhood autism spectrum disorders and exposure to nitrogen dioxide, and particulate matter air pollution: A review and meta-analysis. <i>Environmental Research</i> , 2016, 151, 763-776.	7.5	114
18	Short term association between ozone and mortality: global two stage time series study in 406 locations in 20 countries. <i>BMJ, The</i> , 2020, 368, m108.	6.0	109

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19	Mortality risk attributable to wildfire-related PM2.5 pollution: a global time series study in 749 locations. <i>Lancet Planetary Health</i> , The, 2021, 5, e579-e587.	11.4	109
20	Temperature-related mortality impacts under and beyond Paris Agreement climate change scenarios. <i>Climatic Change</i> , 2018, 150, 391-402.	3.6	107
21	Changes in Susceptibility to Heat During the Summer: A Multicountry Analysis. <i>American Journal of Epidemiology</i> , 2016, 183, 1027-1036.	3.4	106
22	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. <i>Environment International</i> , 2018, 111, 200-211.	10.0	102
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	Suicide and Ambient Temperature: A Multi-Country Multi-City Study. <i>Environmental Health Perspectives</i> , 2019, 127, 117007.	6.0	102
25	Short term associations of ambient nitrogen dioxide with daily total, cardiovascular, and respiratory mortality: multilocation analysis in 398 cities. <i>BMJ</i> , The, 2021, 372, n534.	6.0	99
26	Fine Particulate Matter and Emergency Room Visits for Respiratory Illness. Effect Modification by Oxidative Potential. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 577-586.	5.6	97
27	Oxidative burden of fine particulate air pollution and risk of cause-specific mortality in the Canadian Census Health and Environment Cohort (CanCHEC). <i>Environmental Research</i> , 2016, 146, 92-99.	7.5	89
28	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
29	The Role of Humidity in Associations of High Temperature with Mortality: A Multicountry, Multicity Study. <i>Environmental Health Perspectives</i> , 2019, 127, 97007.	6.0	84
30	Personal and situational variables associated with wind turbine noise annoyance. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 1455-1466.	1.1	75
31	Increased coronary heart disease and stroke hospitalisations from ambient temperatures in Ontario. <i>Heart</i> , 2018, 104, 673-679.	2.9	75
32	Mortality burden of diurnal temperature range and its temporal changes: A multi-country study. <i>Environment International</i> , 2018, 110, 123-130.	10.0	72
33	Air Conditioning and Heat-related Mortality. <i>Epidemiology</i> , 2020, 31, 779-787.	2.7	72
34	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
35	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
36	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. <i>Nature Communications</i> , 2021, 12, 5968.	12.8	66

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37	Spatiotemporal Variations in Ambient Ultrafine Particles and the Incidence of Childhood Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1487-1495.	5.6	64
38	Extreme ambient temperatures and cardiorespiratory emergency room visits: assessing risk by comorbid health conditions in a time series study. <i>Environmental Health</i> , 2014, 13, 5.	4.0	60
39	Biomass Burning as a Source of Ambient Fine Particulate Air Pollution and Acute Myocardial Infarction. <i>Epidemiology</i> , 2017, 28, 329-337.	2.7	60
40	Effect modification of perinatal exposure to air pollution and childhood asthma incidence. <i>European Respiratory Journal</i> , 2018, 51, 1701884.	6.7	57
41	Residential Greenness and Cardiovascular Disease Incidence, Readmission, and Mortality. <i>Environmental Health Perspectives</i> , 2020, 128, 87005.	6.0	56
42	Projections of excess mortality related to diurnal temperature range under climate change scenarios: a multi-country modelling study. <i>Lancet Planetary Health</i> , The, 2020, 4, e512-e521.	11.4	56
43	Urban green space and the risks of dementia and stroke. <i>Environmental Research</i> , 2020, 186, 109520.	7.5	56
44	Air Pollution and Emergency Department Visits for Asthma in Windsor, Canada. <i>Canadian Journal of Public Health</i> , 2012, 103, 4-8.	2.3	55
45	The association between the incidence of postmenopausal breast cancer and concentrations at street-level of nitrogen dioxide and ultrafine particles. <i>Environmental Research</i> , 2017, 158, 7-15.	7.5	55
46	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
47	Longer-Term Impact of High and Low Temperature on Mortality: An International Study to Clarify Length of Mortality Displacement. <i>Environmental Health Perspectives</i> , 2017, 125, 107009.	6.0	52
48	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
49	Within-city Spatial Variations in Ambient Ultrafine Particle Concentrations and Incident Brain Tumors in Adults. <i>Epidemiology</i> , 2020, 31, 177-183.	2.7	50
50	An assessment of quality of life using the WHOQOL-BREF among participants living in the vicinity of wind turbines. <i>Environmental Research</i> , 2015, 142, 227-238.	7.5	49
51	Air pollution in the week prior to delivery and preterm birth in 24 Canadian cities: a time to event analysis. <i>Environmental Health</i> , 2019, 18, 1.	4.0	49
52	Breast cancer detection and survival among women with cosmetic breast implants: systematic review and meta-analysis of observational studies. <i>BMJ</i> , The, 2013, 346, f2399-f2399.	6.0	44
53	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
54	Comparison of weather station and climate reanalysis data for modelling temperature-related mortality. <i>Scientific Reports</i> , 2022, 12, 5178.	3.3	42

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55	Air Pollution Exposure During Pregnancy and Fetal Markers of Metabolic Function. <i>American Journal of Epidemiology</i> , 2016, 183, 842-851.	3.4	39
56	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
57	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
58	Systematic review and meta-analysis of cohort studies of long term outdoor nitrogen dioxide exposure and mortality. <i>PLoS ONE</i> , 2021, 16, e0246451.	2.5	35
59	Ambient carbon monoxide and daily mortality: a global time-series study in 337 cities. <i>Lancet Planetary Health</i> , The, 2021, 5, e191-e199.	11.4	35
60	Association of Sulfur, Transition Metals, and the Oxidative Potential of Outdoor PM2.5 with Acute Cardiovascular Events: A Case-Crossover Study of Canadian Adults. <i>Environmental Health Perspectives</i> , 2021, 129, 107005.	6.0	35
61	Predicted temperature-increase-induced global health burden and its regional variability. <i>Environment International</i> , 2019, 131, 105027.	10.0	34
62	Geospatial relationships of air pollution and acute asthma events across the Detroitâ€“Windsor international border: Study design and preliminary results. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 346-357.	3.9	33
63	Spatial variations in ambient ultrafine particle concentrations and the risk of incident prostate cancer: A case-control study. <i>Environmental Research</i> , 2017, 156, 374-380.	7.5	33
64	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
65	Fine particulate matter concentration and composition and the incidence of childhood asthma. <i>Environment International</i> , 2021, 152, 106486.	10.0	30
66	Residential greenness and indicators of stress and mental well-being in a Canadian national-level survey. <i>Environmental Research</i> , 2021, 192, 110267.	7.5	29
67	Geographical Variations of the Minimum Mortality Temperature at a Global Scale. <i>Environmental Epidemiology</i> , 2021, 5, e169.	3.0	28
68	Residential Greenspace in Childhood Reduces Risk of Pediatric Inflammatory Bowel Disease: A Population-Based Cohort Study. <i>American Journal of Gastroenterology</i> , 2021, 116, 347-353.	0.4	28
69	Air Pollution During Pregnancy and Cord Blood Immune System Biomarkers. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 979-986.	1.7	27
70	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000â€“19: a three-stage modelling study. <i>Lancet Planetary Health</i> , The, 2022, 6, e410-e421.	11.4	27
71	Psychosocial work environment, interpersonal violence at work and psychotropic drug use among correctional officers. <i>International Journal of Law and Psychiatry</i> , 2010, 33, 122-129.	0.9	26
72	Differential Mortality Risks Associated With PM2.5 Components. <i>Epidemiology</i> , 2022, 33, 167-175.	2.7	26

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73	Canadian breast implant cohort: Extended follow-up of cancer incidence. <i>International Journal of Cancer</i> , 2012, 131, E1148-57.	5.1	25
74	Spatial variations in ambient ultrafine particle concentrations and risk of congenital heart defects. <i>Environment International</i> , 2019, 130, 104953.	10.0	25
75	Airborne Pollen Concentrations and Emergency Room Visits for Myocardial Infarction: A Multicity Case-Crossover Study in Ontario, Canada. <i>American Journal of Epidemiology</i> , 2016, 183, 613-621.	3.4	24
76	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
77	Association of short-term exposure to fine particulate air pollution and mortality: effect modification by oxidant gases. <i>Scientific Reports</i> , 2018, 8, 16097.	3.3	22
78	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
79	Aeroallergens in Canada: Distribution, Public Health Impacts, and Opportunities for Prevention. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1577.	2.6	20
80	Seasonal variation in mortality and the role of temperature: a multi-country multi-city study. <i>International Journal of Epidemiology</i> , 2022, 51, 122-133.	1.9	20
81	Estimating annoyance to calculated wind turbine shadow flicker is improved when variables associated with wind turbine noise exposure are considered. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 1480-1492.	1.1	18
82	Ambient Temperature and the Risk of Renal Colic: A Population-Based Study of the Impact of Demographics and Comorbidity. <i>Journal of Endourology</i> , 2016, 30, 1138-1143.	2.1	17
83	Exhaust ventilation in attached garages improves residential indoor air quality. <i>Indoor Air</i> , 2017, 27, 487-499.	4.3	17
84	Critical Time Windows for Air Pollution Exposure and Birth Weight in a Multicity Canadian Pregnancy Cohort. <i>Epidemiology</i> , 2022, 33, 7-16.	2.7	16
85	Short-term changes in meteorological conditions and suicide: A systematic review and meta-analysis. <i>Environmental Research</i> , 2022, 207, 112230.	7.5	16
86	Systematic review and meta-analysis of case-crossover and time-series studies of short term outdoor nitrogen dioxide exposure and ischemic heart disease morbidity. <i>Environmental Health</i> , 2020, 19, 47.	4.0	14
87	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
88	Global Health Impacts for Economic Models of Climate Change: A Systematic Review and Meta-Analysis. <i>Annals of the American Thoracic Society</i> , 2022, 19, 1203-1212.	3.2	14
89	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
90	Toward an Improved Air Pollution Warning System in Quebec. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2095.	2.6	12

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91	Ambient ultrafine particle concentrations and incidence of childhood cancers. <i>Environment International</i> , 2020, 145, 106135.	10.0	12
92	Exploration of the spatial patterns and determinants of asthma prevalence and health services use in Ontario using a Bayesian approach. <i>PLoS ONE</i> , 2018, 13, e0208205.	2.5	11
93	A heat-health watch and warning system with extended season and evolving thresholds. <i>BMC Public Health</i> , 2021, 21, 1479.	2.9	11
94	Residential proximity to greenness and adverse birth outcomes in urban areas: Findings from a national Canadian population-based study. <i>Environmental Research</i> , 2022, 204, 112344.	7.5	11
95	A pilot study: research poster presentations as an educational tool for undergraduate epidemiology students. <i>Advances in Medical Education and Practice</i> , 2013, 4, 183.	1.5	10
96	Estimating risk of emergency room visits for asthma from personal versus fixed site measurements of NO ₂ . <i>Environmental Research</i> , 2015, 137, 323-328.	7.5	10
97	Do Breast Implants Adversely Affect Prognosis among Those Subsequently Diagnosed with Breast Cancer? Findings from an Extended Follow-Up of a Canadian Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 1868-1876.	2.5	9
98	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. <i>Noise Control Engineering Journal</i> , 2013, 21, 122-131.	0.1	9
99	Extreme heat and paediatric emergency department visits in Southwestern Ontario. <i>Paediatrics and Child Health</i> , 2021, 26, 305-309.	0.6	9
100	Mortality and hospital admission rates for unintentional nonfire-related carbon monoxide poisoning across Canada: a trend analysis. <i>CMAJ Open</i> , 2015, 3, E223-E230.	2.4	7
101	A cold-health watch and warning system, applied to the province of Quebec (Canada). <i>Science of the Total Environment</i> , 2020, 741, 140188.	8.0	7
102	Maternal Exposure to Aeroallergens and the Risk of Early Delivery. <i>Epidemiology</i> , 2017, 28, 107-115.	2.7	7
103	Fluctuating temperature modifies heat-mortality association around the globe. <i>Innovation(China)</i> , 2022, 3, 100225.	9.1	7
104	Clarifications on the Design and Interpretation of Conclusions from Health Canada's Study on Wind Turbine Noise and Health. <i>Acoustics Australia</i> , 2018, 46, 99-110.	2.4	6
105	Number concentrations of ultrafine particles and the incidence of postmenopausal breast cancer. <i>Environmental Epidemiology</i> , 2018, 2, e006.	3.0	4
106	Within city spatiotemporal variation of pollen concentration in the city of Toronto, Canada. <i>Environmental Research</i> , 2022, 206, 112566.	7.5	4
107	Machine learning approaches to identify thresholds in a heat-health warning system context. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 0, , .	1.1	3
108	TOC GENERATION TEST: Suicide and Ambient Temperature: A Multi-Country Multi-City Study. <i>Environmental Health Perspectives</i> , 2019, 127, 117007.	6.0	3

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109	Heat-related mortality prediction using low-frequency climate oscillation indices: Case studies of the cities of Montréal and Québec, Canada. <i>Environmental Epidemiology</i> , 2022, 6, e206.	3.0	3
110	Can Breast Implants Hinder Breast Cancer Survival?. <i>Women's Health</i> , 2013, 9, 419-420.	1.5	1
111	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. <i>ISEE Conference Abstracts</i> , 2018, 2018, .	0.0	1
112	Predicting high-resolution spatial and temporal variations in summer air temperatures and its effect on asthma and myocardial-infarctions in Montreal, Canada. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
113	The influence of the urban forest on the association between fine particulate air pollution and onset of childhood asthma. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
114	A cold-health watch and warning system, application to the province of Quebec. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
115	Dynamics thresholds for heat-health watch and warning system with extended season. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
116	Projections of Excessive Mortality Related to Diurnal Temperature Range Under Climate Change Scenarios: A Multi-Country Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
117	Constrained groupwise additive index models. <i>Biostatistics</i> , 0, , .	1.5	0