

Michael Jerrett

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

10,542
citations

38742

50
h-index

32842

100
g-index

109
all docs

109
docs citations

109
times ranked

12645
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying impacts of air pollution on subacute asthma symptoms using digital medication sensors. <i>International Journal of Epidemiology</i> , 2022, 51, 213-224.	1.9	14
2	Elemental composition of fine and coarse particles across the greater Los Angeles area: Spatial variation and contributing sources. <i>Environmental Pollution</i> , 2022, 292, 118356.	7.5	21
3	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
4	Neighborhood environmental exposures and incidence of attention deficit/hyperactivity disorder: A population-based cohort study. <i>Environment International</i> , 2022, 161, 107120.	10.0	19
5	Location-weighted traffic-related air pollution and asthma symptoms in urban adolescents. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 761-772.	3.3	1
6	Air Pollution as a Risk for Death from Infectious Respiratory Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1374-1375.	5.6	4
7	The influence of early-life residential exposure to different vegetation types and paved surfaces on early childhood development: A population-based birth cohort study. <i>Environment International</i> , 2022, 163, 107196.	10.0	9
8	Traffic-Related Air Pollution and Incident Dementia: Direct and Indirect Pathways Through Metabolic Dysfunction. <i>Advances in Alzheimer's Disease</i> , 2021, , .	0.2	0
9	Air Quality in Africa: Public Health Implications. <i>Annual Review of Public Health</i> , 2021, 42, 193-210.	17.4	47
10	Measurements of NOx and Development of Land Use Regression Models in an East-African City. <i>Atmosphere</i> , 2021, 12, 519.	2.3	6
11	A prospective cohort study of ambient air pollution exposure and risk of uterine leiomyomata. <i>Human Reproduction</i> , 2021, 36, 2321-2330.	0.9	9
12	The association between natural environments and childhood mental health and development: A systematic review and assessment of different exposure measurements. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113767.	4.3	33
13	Does surrounding greenness moderate the relationship between apparent temperature and physical activity? Findings from the PHENOTYPE project. <i>Environmental Research</i> , 2021, 197, 110992.	7.5	6
14	Spatial analysis of COVID-19 and traffic-related air pollution in Los Angeles. <i>Environment International</i> , 2021, 153, 106531.	10.0	39
15	Does exposure to air pollution increase the risk of acute care in young children with asthma? An Ontario, Canada study. <i>Environmental Research</i> , 2021, 199, 111302.	7.5	13
16	Ozone Exposure, Outdoor Physical Activity, and Incident Type 2 Diabetes in the SALSA Cohort of Older Mexican Americans. <i>Environmental Health Perspectives</i> , 2021, 129, 97004.	6.0	16
17	Personal Interventions for Reducing Exposure and Risk for Outdoor Air Pollution: An Official American Thoracic Society Workshop Report. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1435-1443.	3.2	19
18	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

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19	Assessing the association between lifetime exposure to greenspace and early childhood development and the mediation effects of air pollution and noise in Canada: a population-based birth cohort study. <i>Lancet Planetary Health</i> , The, 2021, 5, e709-e717.	11.4	21
20	Decreases in Near-Road NO and NO ₂ Concentrations during the COVID-19 Pandemic in California. <i>Environmental Science and Technology Letters</i> , 2021, 8, 161-167.	8.7	12
21	Air pollution, noise exposure, and metabolic syndrome – A cohort study in elderly Mexican-Americans in Sacramento area. <i>Environment International</i> , 2020, 134, 105269.	10.0	57
22	Early life exposure to air pollution and incidence of childhood asthma, allergic rhinitis and eczema. <i>European Respiratory Journal</i> , 2020, 55, 1900913.	6.7	85
23	Traffic-related Noise Exposure and Late-life Dementia and Cognitive Impairment in Mexican-Americans. <i>Epidemiology</i> , 2020, 31, 771-778.	2.7	24
24	Predicting differential improvements in annual pollutant concentrations and exposures for regulatory policy assessment. <i>Environment International</i> , 2020, 143, 105942.	10.0	11
25	Traffic-Related Air Pollution and Incident Dementia: Direct and Indirect Pathways Through Metabolic Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1477-1491.	2.6	24
26	Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations. <i>Journal of the American College of Cardiology</i> , 2020, 76, 2878-2894.	2.8	68
27	Exposure to Road Traffic Noise and Incidence of Acute Myocardial Infarction and Congestive Heart Failure: A Population-Based Cohort Study in Toronto, Canada. <i>Environmental Health Perspectives</i> , 2020, 128, 87001.	6.0	20
28	Performance of a Low-Cost Sensor Community Air Monitoring Network in Imperial County, CA. <i>Sensors</i> , 2020, 20, 3031.	3.8	10
29	Metabolic dysfunction modifies the influence of traffic-related air pollution and noise exposure on late-life dementia and cognitive impairment. <i>Environmental Epidemiology</i> , 2020, 4, e122.	3.0	12
30	Associations among particulate matter, hazardous air pollutants and methane emissions from the Aliso Canyon natural gas storage facility during the 2015 blowout. <i>Environment International</i> , 2019, 132, 104855.	10.0	7
31	Machine learning models accurately predict ozone exposure during wildfire events. <i>Environmental Pollution</i> , 2019, 254, 112792.	7.5	64
32	Use of Citizen Science-Derived Data for Spatial and Temporal Modeling of Particulate Matter near the US/Mexico Border. <i>Atmosphere</i> , 2019, 10, 495.	2.3	7
33	Next-Generation Community Air Quality Sensors for Identifying Air Pollution Episodes. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3268.	2.6	10
34	Associations between respiratory health and ozone and fine particulate matter during a wildfire event. <i>Environment International</i> , 2019, 129, 291-298.	10.0	103
35	Distance decay gradients in hazardous air pollution concentrations around oil and natural gas facilities in the city of Los Angeles: A pilot study. <i>Environmental Research</i> , 2019, 173, 232-236.	7.5	23
36	Hazardous Air Pollutants Associated with Upstream Oil and Natural Gas Development: A Critical Synthesis of Current Peer-Reviewed Literature. <i>Annual Review of Public Health</i> , 2019, 40, 283-304.	17.4	67

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37	Associations of green space metrics with health and behavior outcomes at different buffer sizes and remote sensing sensor resolutions. <i>Environment International</i> , 2019, 126, 162-170.	10.0	101
38	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
39	Type 2 Diabetes Mellitus and Alzheimer's Disease: Overlapping Biologic Mechanisms and Environmental Risk Factors. <i>Current Environmental Health Reports</i> , 2018, 5, 44-58.	6.7	32
40	Comparison of radiofrequency electromagnetic field exposure levels in different everyday microenvironments in an international context. <i>Environment International</i> , 2018, 114, 297-306.	10.0	56
41	Association of residential greenness with obesity and physical activity in a US cohort of women. <i>Environmental Research</i> , 2018, 160, 372-384.	7.5	93
42	Mortality risk and PM2.5 air pollution in the USA: an analysis of a national prospective cohort. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 245-252.	3.3	52
43	Born to be Wise: a population registry data linkage protocol to assess the impact of modifiable early-life environmental exposures on the health and development of children. <i>BMJ Open</i> , 2018, 8, e026954.	1.9	6
44	The Association between Lifelong Greenspace Exposure and 3-Dimensional Brain Magnetic Resonance Imaging in Barcelona Schoolchildren. <i>Environmental Health Perspectives</i> , 2018, 126, 027012.	6.0	107
45	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
46	Combining Community Engagement and Scientific Approaches in Next-Generation Monitor Siting: The Case of the Imperial County Community Air Network. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 523.	2.6	17
47	Influence of school environments on childhood obesity in California. <i>Environmental Research</i> , 2018, 166, 100-107.	7.5	28
48	Interactions between cigarette smoking and ambient PM 2.5 for cardiovascular mortality. <i>Environmental Research</i> , 2017, 154, 304-310.	7.5	58
49	Ambient ozone and incident diabetes: A prospective analysis in a large cohort of African American women. <i>Environment International</i> , 2017, 102, 42-47.	10.0	56
50	Assessing the Exposome with External Measures: Commentary on the State of the Science and Research Recommendations. <i>Annual Review of Public Health</i> , 2017, 38, 215-239.	17.4	83
51	The relationship between bicycle commuting and perceived stress: a cross-sectional study. <i>BMJ Open</i> , 2017, 7, e013542.	1.9	73
52	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
53	Validating novel air pollution sensors to improve exposure estimates for epidemiological analyses and citizen science. <i>Environmental Research</i> , 2017, 158, 286-294.	7.5	96
54	Fine Particulate Air Pollution and Mortality: Response to Enstrom's Reanalysis of the American Cancer Society Cancer Prevention Study II Cohort. <i>Dose-Response</i> , 2017, 15, 155932581774630.	1.6	8

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55	Long-Term Exposure to NO ₂ and Ozone and Hypertension Incidence in the Black Women's Health Study. <i>American Journal of Hypertension</i> , 2017, 30, 367-372.	2.0	35
56	Development and field validation of a community-engaged particulate matter air quality monitoring network in Imperial, California, USA. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 1342-1352.	1.9	45
57	How Sensors Might Help Define the External Exposome. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 434.	2.6	73
58	The Imperial County Community Air Monitoring Network: A Model for Community-based Environmental Monitoring for Public Health Action. <i>Environmental Health Perspectives</i> , 2017, 125, 074501.	6.0	68
59	Ambient Air Pollution and Cancer Mortality in the Cancer Prevention Study II. <i>Environmental Health Perspectives</i> , 2017, 125, 087013.	6.0	169
60	Living Close to Natural Outdoor Environments in Four European Cities: Adults' Contact with the Environments and Physical Activity. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1162.	2.6	42
61	Comparing the Health Effects of Ambient Particulate Matter Estimated Using Ground-Based versus Remote Sensing Exposure Estimates. <i>Environmental Health Perspectives</i> , 2017, 125, 552-559.	6.0	107
62	Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach. <i>Environmental Research</i> , 2016, 150, 227-235.	7.5	136
63	Temporal aspects of air pollutant measures in epidemiologic analysis: a simulation study. <i>Scientific Reports</i> , 2016, 6, 19691.	3.3	5
64	Countervailing effects of income, air pollution, smoking, and obesity on aging and life expectancy: population-based study of U.S. Counties. <i>Environmental Health</i> , 2016, 15, 86.	4.0	17
65	Short-term planning and policy interventions to promote cycling in urban centers: Findings from a commute mode choice analysis in Barcelona, Spain. <i>Transportation Research, Part A: Policy and Practice</i> , 2016, 89, 164-183.	4.2	68
66	Long term exposure to NO ₂ and diabetes incidence in the Black Women's Health Study. <i>Environmental Research</i> , 2016, 148, 360-366.	7.5	39
67	Cohort Profile: The Ontario Population Health and Environment Cohort (ONPHEC). <i>International Journal of Epidemiology</i> , 2016, 46, dyw030.	1.9	24
68	A national study of the association between traffic-related air pollution and adverse pregnancy outcomes in Canada, 1999-2008. <i>Environmental Research</i> , 2016, 148, 513-526.	7.5	107
69	Safe Routes to Play? Pedestrian and Bicyclist Crashes Near Parks in Los Angeles. <i>Environmental Research</i> , 2016, 151, 742-755.	7.5	16
70	Ambient Air Pollution and 16-Year Weight Change in African-American Women. <i>American Journal of Preventive Medicine</i> , 2016, 51, e99-e105.	3.0	15
71	Multi-pollutant exposure profiles associated with term low birth weight in Los Angeles County. <i>Environment International</i> , 2016, 91, 1-13.	10.0	61
72	Spatial associations between socioeconomic groups and NO ₂ air pollution exposure within three large Canadian cities. <i>Environmental Research</i> , 2016, 147, 373-382.	7.5	58

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73	Long-Term Ozone Exposure and Mortality in a Large Prospective Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1134-1142.	5.6	602
74	Benefits of Mobile Phone Technology for Personal Environmental Monitoring. <i>JMIR MHealth and UHealth</i> , 2016, 4, e126.	3.7	44
75	Socioeconomic differences in nitrogen dioxide ambient air pollution exposure among children in the three largest Canadian cities. <i>Health Reports</i> , 2016, 27, 3-9.	0.8	5
76	Manganese in teeth and neurodevelopment in young Mexican-American children. <i>Environmental Research</i> , 2015, 142, 688-695.	7.5	66
77	Spatiotemporal Prediction of Fine Particulate Matter During the 2008 Northern California Wildfires Using Machine Learning. <i>Environmental Science & Technology</i> , 2015, 49, 3887-3896.	10.0	201
78	Variability in and Agreement between Modeled and Personal Continuously Measured Black Carbon Levels Using Novel Smartphone and Sensor Technologies. <i>Environmental Science & Technology</i> , 2015, 49, 2977-2982.	10.0	105
79	The Added Benefit of Bicycle Commuting on the Regular Amount of Physical Activity Performed. <i>American Journal of Preventive Medicine</i> , 2015, 49, 842-849.	3.0	47
80	Green spaces and cognitive development in primary schoolchildren. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7937-7942.	7.1	577
81	Populations potentially exposed to traffic-related air pollution in seven world cities. <i>Environment International</i> , 2015, 78, 82-89.	10.0	51
82	Development of a Canadian socioeconomic status index for the study of health outcomes related to environmental pollution. <i>BMC Public Health</i> , 2015, 15, 714.	2.9	36
83	Modeling spatial effects of PM2.5 on term low birth weight in Los Angeles County. <i>Environmental Research</i> , 2015, 142, 354-364.	7.5	60
84	Within- and between-city contrasts in nitrogen dioxide and mortality in 10 Canadian cities; a subset of the Canadian Census Health and Environment Cohort (CanCHEC). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 482-489.	3.9	56
85	The death toll from air-pollution sources. <i>Nature</i> , 2015, 525, 330-331.	27.8	128
86	Health effects of fine particulate matter in life cycle impact assessment: findings from the Basel Guidance Workshop. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 276-288.	4.7	65
87	Integrating smart-phone based momentary location tracking with fixed site air quality monitoring for personal exposure assessment. <i>Science of the Total Environment</i> , 2015, 506-507, 518-526.	8.0	48
88	Urban greenness and physical activity in a national survey of Canadians. <i>Environmental Research</i> , 2015, 137, 94-100.	7.5	118
89	Indirect adjustment for multiple missing variables applicable to environmental epidemiology. <i>Environmental Research</i> , 2014, 134, 482-487.	7.5	54
90	Linking Exposure and Health in Environmental Public Health Tracking. <i>Environmental Research</i> , 2014, 134, 453.	7.5	3

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91	Assessment of traffic-related noise in three cities in the United States. <i>Environmental Research</i> , 2014, 132, 182-189.	7.5	81
92	Developing small-area predictions for smoking and obesity prevalence in the United States for use in Environmental Public Health Tracking. <i>Environmental Research</i> , 2014, 134, 435-452.	7.5	27
93	Traffic-related air pollution and obesity formation in children: a longitudinal, multilevel analysis. <i>Environmental Health</i> , 2014, 13, 49.	4.0	224
94	Factors predicting the capacity of Los Angeles city-region recreation programs to promote energy expenditure. <i>Health and Place</i> , 2014, 28, 67-72.	3.3	0
95	Presence of other allergic disease modifies the effect of early childhood traffic-related air pollution exposure on asthma prevalence. <i>Environment International</i> , 2014, 65, 83-92.	10.0	34
96	Improving estimates of air pollution exposure through ubiquitous sensing technologies. <i>Environmental Pollution</i> , 2013, 176, 92-99.	7.5	188
97	Comparison of Physical Activity Measures Using Mobile Phone-Based CalFit and Actigraph. <i>Journal of Medical Internet Research</i> , 2013, 15, e111.	4.3	53
98	Inequalities in cumulative environmental burdens among three urbanized counties in California. <i>Environment International</i> , 2012, 40, 79-87.	10.0	48
99	A Spatial Autocorrelation Approach for Examining the Effects of Urban Greenspace on Residential Property Values. <i>Journal of Real Estate Finance and Economics</i> , 2010, 41, 150-169.	1.5	203
100	Long-Term Ozone Exposure and Mortality. <i>New England Journal of Medicine</i> , 2009, 360, 1085-1095.	27.0	1,202
101	Global Geographies of Injustice in Traffic-Related Air Pollution Exposure. <i>Epidemiology</i> , 2009, 20, 231-233.	2.7	44
102	A Cohort Study of Traffic-Related Air Pollution and Mortality in Toronto, Ontario, Canada. <i>Environmental Health Perspectives</i> , 2009, 117, 772-777.	6.0	190
103	Correlation of nitrogen dioxide with other traffic pollutants near a major expressway. <i>Atmospheric Environment</i> , 2008, 42, 275-290.	4.1	265
104	Traffic-Related Air Pollution and Asthma Onset in Children: A Prospective Cohort Study with Individual Exposure Measurement. <i>Environmental Health Perspectives</i> , 2008, 116, 1433-1438.	6.0	267
105	A review and evaluation of intraurban air pollution exposure models. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2005, 15, 185-204.	3.9	868
106	Particulate air pollution, social confounders, and mortality in small areas of an industrial city. <i>Social Science and Medicine</i> , 2005, 60, 2845-2863.	3.8	90
107	Geographies of Risk in Studies Linking Chronic Air Pollution Exposure to Health Outcomes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005, 68, 1207-1242.	2.3	58
108	A review and evaluation of intraurban air pollution exposure models. , 0, .		4