

# Michael Jerrett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4368964/publications.pdf>

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	Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9592-9597.	7.1	1,407
2	Long-Term Ozone Exposure and Mortality. New England Journal of Medicine, 2009, 360, 1085-1095.	27.0	1,202
3	A review and evaluation of intraurban air pollution exposure models. Journal of Exposure Science and Environmental Epidemiology, 2005, 15, 185-204.	3.9	868
4	Long-Term Ozone Exposure and Mortality in a Large Prospective Study. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1134-1142.	5.6	602
5	Green spaces and cognitive development in primary schoolchildren. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7937-7942.	7.1	577
6	Traffic-Related Air Pollution and Asthma Onset in Children: A Prospective Cohort Study with Individual Exposure Measurement. Environmental Health Perspectives, 2008, 116, 1433-1438.	6.0	267
7	Correlation of nitrogen dioxide with other traffic pollutants near a major expressway. Atmospheric Environment, 2008, 42, 275-290.	4.1	265
8	Traffic-related air pollution and obesity formation in children: a longitudinal, multilevel analysis. Environmental Health, 2014, 13, 49.	4.0	224
9	A Spatial Autocorrelation Approach for Examining the Effects of Urban Greenspace on Residential Property Values. Journal of Real Estate Finance and Economics, 2010, 41, 150-169.	1.5	203
10	Spatiotemporal Prediction of Fine Particulate Matter During the 2008 Northern California Wildfires Using Machine Learning. Environmental Science & Technology, 2015, 49, 3887-3896.	10.0	201
11	A Cohort Study of Traffic-Related Air Pollution and Mortality in Toronto, Ontario, Canada. Environmental Health Perspectives, 2009, 117, 772-777.	6.0	190
12	Improving estimates of air pollution exposure through ubiquitous sensing technologies. Environmental Pollution, 2013, 176, 92-99.	7.5	188
13	Ambient Air Pollution and Cancer Mortality in the Cancer Prevention Study II. Environmental Health Perspectives, 2017, 125, 087013.	6.0	169
14	Differential respiratory health effects from the 2008 northern California wildfires: A spatiotemporal approach. Environmental Research, 2016, 150, 227-235.	7.5	136
15	The death toll from air-pollution sources. Nature, 2015, 525, 330-331.	27.8	128
16	Urban greenness and physical activity in a national survey of Canadians. Environmental Research, 2015, 137, 94-100.	7.5	118
17	A national study of the association between traffic-related air pollution and adverse pregnancy outcomes in Canada, 1999-2008. Environmental Research, 2016, 148, 513-526.	7.5	107
18	Comparing the Health Effects of Ambient Particulate Matter Estimated Using Ground-Based versus Remote Sensing Exposure Estimates. Environmental Health Perspectives, 2017, 125, 552-559.	6.0	107

#	ARTICLE	IF	CITATIONS
19	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
20	Variability in and Agreement between Modeled and Personal Continuously Measured Black Carbon Levels Using Novel Smartphone and Sensor Technologies. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2977-2982.	10.0	105
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Assessment of traffic-related noise in three cities in the United States. <i>Environmental Research</i> , 2014, 132, 182-189.	7.5	81
30	The relationship between bicycle commuting and perceived stress: a cross-sectional study. <i>BMJ Open</i> , 2017, 7, e013542.	1.9	73
31	How Sensors Might Help Define the External Exposome. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 434.	2.6	73
32	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
33	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
34	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
35	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
36	Manganese in teeth and neurodevelopment in young Mexican-American children. <i>Environmental Research</i> , 2015, 142, 688-695.	7.5	66

#	ARTICLE	IF	CITATIONS
37	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
38	Machine learning models accurately predict ozone exposure during wildfire events. <i>Environmental Pollution</i> , 2019, 254, 112792.	7.5	64
39	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
40	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
41	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
42	Spatial associations between socioeconomic groups and NO2 air pollution exposure within three large Canadian cities. <i>Environmental Research</i> , 2016, 147, 373-382.	7.5	58
43	Interactions between cigarette smoking and ambient PM 2.5 for cardiovascular mortality. <i>Environmental Research</i> , 2017, 154, 304-310.	7.5	58
44	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
45	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
46	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
47	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
48	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
49	Indirect adjustment for multiple missing variables applicable to environmental epidemiology. <i>Environmental Research</i> , 2014, 134, 482-487.	7.5	54
50	Comparison of Physical Activity Measures Using Mobile Phone-Based CalFit and Actigraph. <i>Journal of Medical Internet Research</i> , 2013, 15, e1111.	4.3	53
51	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
52	Populations potentially exposed to traffic-related air pollution in seven world cities. <i>Environment International</i> , 2015, 78, 82-89.	10.0	51
53	Inequalities in cumulative environmental burdens among three urbanized counties in California. <i>Environment International</i> , 2012, 40, 79-87.	10.0	48
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Air Quality in Africa: Public Health Implications. <i>Annual Review of Public Health</i> , 2021, 42, 193-210.	17.4	47
57	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
58	Global Geographies of Injustice in Traffic-Related Air Pollution Exposure. <i>Epidemiology</i> , 2009, 20, 231-233.	2.7	44
59	Benefits of Mobile Phone Technology for Personal Environmental Monitoring. <i>JMIR MHealth and UHealth</i> , 2016, 4, e126.	3.7	44
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	Long term exposure to NO <sub>2</sub> and diabetes incidence in the Black Women's Health Study. <i>Environmental Research</i> , 2016, 148, 360-366.	7.5	39
62	Spatial analysis of COVID-19 and traffic-related air pollution in Los Angeles. <i>Environment International</i> , 2021, 153, 106531.	10.0	39
63	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
64	Long-Term Exposure to NO <sub>2</sub> 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
65	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
66	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
67	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
68	Influence of school environments on childhood obesity in California. <i>Environmental Research</i> , 2018, 166, 100-107.	7.5	28
69	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
70	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
71	Cohort Profile: The Ontario Population Health and Environment Cohort (ONPHEC). <i>International Journal of Epidemiology</i> , 2016, 46, dyw030.	1.9	24
72	Traffic-related Noise Exposure and Late-life Dementia and Cognitive Impairment in Mexican-Americans. <i>Epidemiology</i> , 2020, 31, 771-778.	2.7	24

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	Safe Routes to Play? Pedestrian and Bicyclist Crashes Near Parks in Los Angeles. <i>Environmental Research</i> , 2016, 151, 742-755.	7.5	16
83	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
84	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
85	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
86	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
87	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
88	Decreases in Near-Road NO and NO <sub>2</sub> Concentrations during the COVID-19 Pandemic in California. <i>Environmental Science and Technology Letters</i> , 2021, 8, 161-167.	8.7	12
89	Predicting differential improvements in annual pollutant concentrations and exposures for regulatory policy assessment. <i>Environment International</i> , 2020, 143, 105942.	10.0	11
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	Performance of a Low-Cost Sensor Community Air Monitoring Network in Imperial County, CA. <i>Sensors</i> , 2020, 20, 3031.	3.8	10
93	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
94	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
95	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
96	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
97	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
98	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
99	Measurements of NOx and Development of Land Use Regression Models in an East-African City. <i>Atmosphere</i> , 2021, 12, 519.	2.3	6
100	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
101	Temporal aspects of air pollutant measures in epidemiologic analysis: a simulation study. <i>Scientific Reports</i> , 2016, 6, 19691.	3.3	5
102	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
103	A review and evaluation of intraurban air pollution exposure models. , 0, .		4
104	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
105	Linking Exposure and Health in Environmental Public Health Tracking. <i>Environmental Research</i> , 2014, 134, 453.	7.5	3
106	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
107	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
108	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