

# Antonella Zanobetti

## List of Publications by Year in descending order

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Version: 2024-02-01

132  
papers

14,516  
citations

20817

60  
h-index

19749

117  
g-index

133  
all docs

133  
docs citations

133  
times ranked

14253  
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	Air Pollution and Mortality in the Medicare Population. <i>New England Journal of Medicine</i> , 2017, 376, 2513-2522.	27.0	1,038
3	Increasing CO2 threatens human nutrition. <i>Nature</i> , 2014, 510, 139-142.	27.8	1,024
4	The Effect of Fine and Coarse Particulate Air Pollution on Mortality: A National Analysis. <i>Environmental Health Perspectives</i> , 2009, 117, 898-903.	6.0	550
5	Projections of temperature-related excess mortality under climate change scenarios. <i>Lancet Planetary Health, The</i> , 2017, 1, e360-e367.	11.4	497
6	Association of Short-term Exposure to Air Pollution With Mortality in Older Adults. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 2446.	7.4	449
7	Fine particulate air pollution and its components in association with cause-specific emergency admissions. <i>Environmental Health</i> , 2009, 8, 58.	4.0	410
8	Heat Wave and Mortality: A Multicountry, Multicommunity Study. <i>Environmental Health Perspectives</i> , 2017, 125, 087006.	6.0	320
9	The Effect of Particulate Air Pollution on Emergency Admissions for Myocardial Infarction: A Multicity Case-Crossover Analysis. <i>Environmental Health Perspectives</i> , 2005, 113, 978-982.	6.0	305
10	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
11	The temporal pattern of respiratory and heart disease mortality in response to air pollution.. <i>Environmental Health Perspectives</i> , 2003, 111, 1188-1193.	6.0	238
12	Ambient Pollution and Blood Pressure in Cardiac Rehabilitation Patients. <i>Circulation</i> , 2004, 110, 2184-2189.	1.6	237
13	Associations of Fine Particulate Matter Species with Mortality in the United States: A Multicity Time-Series Analysis. <i>Environmental Health Perspectives</i> , 2014, 122, 837-842.	6.0	236
14	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
15	Air pollution and emergency admissions in Boston, MA. <i>Journal of Epidemiology and Community Health</i> , 2006, 60, 890-895.	3.7	220
16	Temperature and Mortality in Nine US Cities. <i>Epidemiology</i> , 2008, 19, 563-570.	2.7	211
17	The Temporal Pattern of Mortality Responses to Air Pollution: A Multicity Assessment of Mortality Displacement. <i>Epidemiology</i> , 2002, 13, 87-93.	2.7	207
18	Summer temperature variability and long-term survival among elderly people with chronic disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6608-6613.	7.1	194

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19	Cardiovascular Damage by Airborne Particles: Are Diabetics More Susceptible?. <i>Epidemiology</i> , 2002, 13, 588-592.	2.7	190
20	Opposing Effects of Particle Pollution, Ozone, and Ambient Temperature on Arterial Blood Pressure. <i>Environmental Health Perspectives</i> , 2012, 120, 241-246.	6.0	171
21	Associations of PM <sub>10</sub> with Sleep and Sleep-disordered Breathing in Adults from Seven U.S. Urban Areas. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 819-825.	5.6	164
22	Air pollution and gene-specific methylation in the Normative Aging Study. <i>Epigenetics</i> , 2014, 9, 448-458.	2.7	159
23	A national case-crossover analysis of the short-term effect of PM <sub>2.5</sub> on hospitalizations and mortality in subjects with diabetes and neurological disorders. <i>Environmental Health</i> , 2014, 13, 38.	4.0	159
24	Health effects of air pollution exposure on children and adolescents in São Paulo, Brazil. <i>Pediatric Pulmonology</i> , 2001, 31, 106-113.	2.0	157
25	Are Diabetics More Susceptible to the Health Effects of Airborne Particles?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 831-833.	5.6	151
26	Susceptibility to Mortality in Weather Extremes. <i>Epidemiology</i> , 2013, 24, 809-819.	2.7	148
27	Impacts of temperature and its variability on mortality in New England. <i>Nature Climate Change</i> , 2015, 5, 988-991.	18.8	146
28	Mortality Displacement in the Association of Ozone with Mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 184-189.	5.6	140
29	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
30	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
31	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 390-399.	2.9	119
32	Reduction in Heart Rate Variability with Traffic and Air Pollution in Patients with Coronary Artery Disease. <i>Environmental Health Perspectives</i> , 2010, 118, 324-330.	6.0	109
33	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
34	Mortality risk attributable to wildfire-related PM <sub>2.5</sub> pollution: a global time series study in 749 locations. <i>Lancet Planetary Health, The</i> , 2021, 5, e579-e587.	11.4	109
35	Temperature-related mortality impacts under and beyond Paris Agreement climate change scenarios. <i>Climatic Change</i> , 2018, 150, 391-402.	3.6	107
36	Repetitive element DNA methylation and circulating endothelial and inflammation markers in the VA normative aging study. <i>Epigenetics</i> , 2010, 5, 222-228.	2.7	106

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37	Particulate Air Pollution, Progression, and Survival after Myocardial Infarction. <i>Environmental Health Perspectives</i> , 2007, 115, 769-775.	6.0	102
38	Suicide and Ambient Temperature: A Multi-Country Multi-City Study. <i>Environmental Health Perspectives</i> , 2019, 127, 117007.	6.0	102
39	Association of air particulate pollution with bone loss over time and bone fracture risk: analysis of data from two independent studies. <i>Lancet Planetary Health</i> , The, 2017, 1, e337-e347.	11.4	96
40	The association between air pollution and the incidence of idiopathic pulmonary fibrosis in Northern Italy. <i>European Respiratory Journal</i> , 2018, 51, 1700397.	6.7	96
41	Particulate air pollution and survival in a COPD cohort. <i>Environmental Health</i> , 2008, 7, 48.	4.0	90
42	Long-term exposure to PM2.5 and ozone and hospital admissions of Medicare participants in the Southeast USA. <i>Environment International</i> , 2019, 130, 104879.	10.0	89
43	Short Term Effects of Particle Exposure on Hospital Admissions in the Mid-Atlantic States: A Population Estimate. <i>PLoS ONE</i> , 2014, 9, e88578.	2.5	87
44	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
45	Ozone and Survival in Four Cohorts with Potentially Predisposing Diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 836-841.	5.6	82
46	The impact of nitrogen oxides concentration decreases on ozone trends in the USA. <i>Air Quality, Atmosphere and Health</i> , 2015, 8, 283-292.	3.3	82
47	Effect modification of ozone-related mortality risks by temperature in 97 US cities. <i>Environment International</i> , 2014, 73, 128-134.	10.0	81
48	Reduced cognitive function during a heat wave among residents of non-air-conditioned buildings: An observational study of young adults in the summer of 2016. <i>PLoS Medicine</i> , 2018, 15, e1002605.	8.4	79
49	Changing patterns of the temperature-mortality association by time and location in the US, and implications for climate change. <i>Environment International</i> , 2015, 81, 80-86.	10.0	78
50	Vulnerability to renal, heat and respiratory hospitalizations during extreme heat among U.S. elderly. <i>Climatic Change</i> , 2016, 136, 631-645.	3.6	77
51	Study on the association between ambient temperature and mortality using spatially resolved exposure data. <i>Environmental Research</i> , 2016, 151, 610-617.	7.5	76
52	Temporal trends in air pollution exposure inequality in Massachusetts. <i>Environmental Research</i> , 2018, 161, 76-86.	7.5	76
53	Gene-Air Pollution Interaction and Cardiovascular Disease: A Review. <i>Progress in Cardiovascular Diseases</i> , 2011, 53, 344-352.	3.1	75
54	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

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55	The association between short and long-term exposure to PM2.5 and temperature and hospital admissions in New England and the synergistic effect of the short-term exposures. <i>Science of the Total Environment</i> , 2018, 639, 868-875.	8.0	72
56	Air Conditioning and Heat-related Mortality. <i>Epidemiology</i> , 2020, 31, 779-787.	2.7	72
57	Prenatal Air Pollution Exposure and Newborn Blood Pressure. <i>Environmental Health Perspectives</i> , 2015, 123, 353-359.	6.0	70
58	Health effects of multi-pollutant profiles. <i>Environment International</i> , 2014, 71, 13-19.	10.0	67
59	Prenatal and childhood traffic-related air pollution exposure and childhood executive function and behavior. <i>Neurotoxicology and Teratology</i> , 2016, 57, 60-70.	2.4	65
60	Low Levels of Air Pollution and Health: Effect Estimates, Methodological Challenges, and Future Directions. <i>Current Environmental Health Reports</i> , 2019, 6, 105-115.	6.7	62
61	Estimating and projecting the effect of cold waves on mortality in 209 US cities. <i>Environment International</i> , 2016, 94, 141-149.	10.0	61
62	Estimating the number of excess deaths attributable to heat in 297 United States counties. <i>Environmental Epidemiology</i> , 2020, 4, e096.	3.0	61
63	Neighborhood Greenness Attenuates the Adverse Effect of PM2.5 on Cardiovascular Mortality in Neighborhoods of Lower Socioeconomic Status. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 814.	2.6	59
64	Effect of particulate matter-bound metals exposure on prothrombotic biomarkers: A systematic review. <i>Environmental Research</i> , 2019, 177, 108573.	7.5	58
65	A National Multicity Analysis of the Causal Effect of Local Pollution, NO2, and PM2.5 on Mortality. <i>Environmental Health Perspectives</i> , 2018, 126, 87004.	6.0	56
66	Short-Term Changes in Ambient Temperature and Risk of Ischemic Stroke. <i>Cerebrovascular Diseases Extra</i> , 2014, 4, 9-18.	1.5	55
67	Associations between arrhythmia episodes and temporally and spatially resolved black carbon and particulate matter in elderly patients. <i>Occupational and Environmental Medicine</i> , 2014, 71, 201-207.	2.8	52
68	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
69	Effectiveness of National Weather Service heat alerts in preventing mortality in 20 US cities. <i>Environment International</i> , 2018, 116, 30-38.	10.0	51
70	Accounting for adaptation and intensity in projecting heat wave-related mortality. <i>Environmental Research</i> , 2018, 161, 464-471.	7.5	51
71	Impact of Long-Term Exposures to Ambient PM2.5 and Ozone on ARDS Risk for Older Adults in the United States. <i>Chest</i> , 2019, 156, 71-79.	0.8	51
72	Brachial Artery Responses to Ambient Pollution, Temperature, and Humidity in People with Type 2 Diabetes: A Repeated-Measures Study. <i>Environmental Health Perspectives</i> , 2014, 122, 242-248.	6.0	50

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73	Disentangling interactions between atmospheric pollution and weather. <i>Journal of Epidemiology and Community Health</i> , 2015, 69, 613-615.	3.7	50
74	Associations between seasonal temperature and dementia-associated hospitalizations in New England. <i>Environment International</i> , 2019, 126, 228-233.	10.0	46
75	T-Wave Alternans, Air Pollution and Traffic in High-Risk Subjects. <i>American Journal of Cardiology</i> , 2009, 104, 665-670.	1.6	43
76	Isolated and synergistic effects of PM10 and average temperature on cardiovascular and respiratory mortality. <i>Revista De Saude Publica</i> , 2014, 48, 881-888.	1.7	42
77	Effect of daily temperature range on respiratory health in Argentina and its modification by impaired socio-economic conditions and PM10 exposures. <i>Environmental Pollution</i> , 2015, 206, 175-182.	7.5	41
78	Childhood Asthma Incidence, Early and Persistent Wheeze, and Neighborhood Socioeconomic Factors in the ECHO/CREW Consortium. <i>JAMA Pediatrics</i> , 2022, 176, 759.	6.2	41
79	Cardiac Autonomic Dysfunction: Particulate Air Pollution Effects Are Modulated by Epigenetic Immunoregulation of Toll-like Receptor 2 and Dietary Flavonoid Intake. <i>Journal of the American Heart Association</i> , 2015, 4, e001423.	3.7	40
80	Estimating the Effects of PM2.5 on Life Expectancy Using Causal Modeling Methods. <i>Environmental Health Perspectives</i> , 2018, 126, 127002.	6.0	35
81	Long-term effect of fine particulate matter on hospitalization with dementia. <i>Environmental Pollution</i> , 2019, 254, 112926.	7.5	35
82	Predicted temperature-increase-induced global health burden and its regional variability. <i>Environment International</i> , 2019, 131, 105027.	10.0	34
83	Chronic effects of temperature on mortality in the Southeastern USA using satellite-based exposure metrics. <i>Scientific Reports</i> , 2016, 6, 30161.	3.3	33
84	Exposure to traffic and early life respiratory infection: A cohort study. <i>Pediatric Pulmonology</i> , 2015, 50, 252-259.	2.0	31
85	Longer-Term Outdoor Temperatures and Health Effects: a Review. <i>Current Epidemiology Reports</i> , 2018, 5, 125-139.	2.4	30
86	Is there adaptation in the ozone mortality relationship: A multi-city case-crossover analysis. <i>Environmental Health</i> , 2008, 7, 22.	4.0	28
87	Geographical Variations of the Minimum Mortality Temperature at a Global Scale. <i>Environmental Epidemiology</i> , 2021, 5, e169.	3.0	28
88	Coarse Particulate Air Pollution and Daily Mortality: A Global Study in 205 Cities. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 999-1007.	5.6	28
89	Global, regional, and national burden of mortality associated with short-term temperature variability from 2000-19: a three-stage modelling study. <i>Lancet Planetary Health</i> , The, 2022, 6, e410-e421.	11.4	27
90	Comparison of temperature-mortality associations estimated with different exposure metrics. <i>Environmental Epidemiology</i> , 2019, 3, e072.	3.0	26

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91	Effect modification of ambient particle mortality by radon: A time series analysis in 108 U.S. cities. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 266-276.	1.9	26
92	Heat warnings, mortality, and hospital admissions among older adults in the United States. <i>Environment International</i> , 2021, 157, 106834.	10.0	26
93	Associations of short-term exposure to air pollution and increased ambient temperature with psychiatric hospital admissions in older adults in the USA: a caseâ€“crossover study. <i>Lancet Planetary Health</i> , The, 2022, 6, e331-e341.	11.4	25
94	Estimating the causal effect of annual PM2.5 exposure on mortality rates in the Northeastern and mid-Atlantic states. <i>Environmental Epidemiology</i> , 2019, 3, e052.	3.0	23
95	The impact of air exchange rate on ambient air pollution exposure and inequalities across all residential parcels in Massachusetts. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 520-530.	3.9	22
96	Ozone trends and their relationship to characteristic weather patterns. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 532-542.	3.9	21
97	A national difference in differences analysis of the effect of PM2.5 on annual death rates. <i>Environmental Research</i> , 2021, 194, 110649.	7.5	21
98	Monte Carlo simulation-based estimation for the minimum mortality temperature in temperature-mortality association study. <i>BMC Medical Research Methodology</i> , 2017, 17, 137.	3.1	20
99	Effects of Maternal Homelessness, Supplemental Nutrition Programs, and Prenatal PM2.5 on Birthweight. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4154.	2.6	19
100	Association of outdoor temperature with lung function in a temperate climate. <i>European Respiratory Journal</i> , 2019, 53, 1800612.	6.7	19
101	Hierarchical bivariate time series models: a combined analysis of the effects of particulate matter on morbidity and mortality. <i>Biostatistics</i> , 2004, 5, 341-360.	1.5	17
102	Race or racial segregation? Modification of the PM2.5 and cardiovascular mortality association. <i>PLoS ONE</i> , 2020, 15, e0236479.	2.5	16
103	Prenatal Ambient Particulate Matter Exposure and Longitudinal Weight Growth Trajectories in Early Childhood. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1444.	2.6	16
104	PM2.5 and hospital admissions among Medicare enrollees with chronic debilitating brain disorders. <i>Science of the Total Environment</i> , 2021, 755, 142524.	8.0	16
105	Associations between Changes in City and Address Specific Temperature and QT Interval - The VA Normative Aging Study. <i>PLoS ONE</i> , 2014, 9, e106258.	2.5	14
106	Pathway analysis of a genome-wide gene by air pollution interaction study in asthmatic children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 539-547.	3.9	13
107	Fine-scale spatial and temporal variation in temperature and arrhythmia episodes in the VA Normative Aging Study. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 96-104.	1.9	12
108	County-level radon exposure and all-cause mortality risk among Medicare beneficiaries. <i>Environment International</i> , 2019, 130, 104865.	10.0	12

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109	Change in PM2.5 exposure and mortality among Medicare recipients. <i>Environmental Epidemiology</i> , 2019, 3, e054.	3.0	12
110	Estimating the Combined Effects of Natural and Built Environmental Exposures on Birthweight among Urban Residents in Massachusetts. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8805.	2.6	11
111	Ambient Particle Components and Newborn Blood Pressure in Project Viva. <i>Journal of the American Heart Association</i> , 2021, 10, e016935.	3.7	11
112	Temporal transition of racial/ethnic disparities in COVID-19 outcomes in 3108 counties of the United States: Three phases from January to December 2020. <i>Science of the Total Environment</i> , 2021, 791, 148167.	8.0	10
113	The short-term effect of particulate matter on cardiorespiratory drug prescription, as a proxy of mild adverse events. <i>Environmental Research</i> , 2017, 157, 145-152.	7.5	9
114	A Direct Estimate of the Impact of PM2.5, NO2, and O3 Exposure on Life Expectancy Using Propensity Scores. <i>Epidemiology</i> , 2021, 32, 469-476.	2.7	9
115	Cardiorespiratory treatments as modifiers of the relationship between particulate matter and health: A case-only analysis on hospitalized patients in Italy. <i>Environmental Research</i> , 2015, 136, 491-499.	7.5	7
116	Fluctuating temperature modifies heat-mortality association around the globe. <i>Innovation(China)</i> , 2022, 3, 100225.	9.1	7
117	What is the impact of systematically missing exposure data on air pollution health effect estimates?. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 415-420.	3.3	5
118	Do Maternal Air Pollution Exposures Have Long-Lasting Influences on Child Blood Pressure?. <i>Hypertension</i> , 2018, 72, 56-58.	2.7	5
119	Risk of Acute Respiratory Distress Syndrome Among Older Adults Living Near Construction and Manufacturing Sites. <i>Epidemiology</i> , 2020, 31, 468-477.	2.7	5
120	A self-controlled approach to survival analysis, with application to air pollution and mortality. <i>Environment International</i> , 2021, 157, 106861.	10.0	5
121	Global mortality burden attributable to non-optimal temperatures. <i>Lancet, The</i> , 2022, 399, 1113.	13.7	5
122	Short-term effects of air temperature and mitochondrial DNA lesions within an older population. <i>Environment International</i> , 2017, 103, 23-29.	10.0	3
123	TOC GENERATION TEST: Suicide and Ambient Temperature: A Multi-Country Multi-City Study. <i>Environmental Health Perspectives</i> , 2019, 127, 117007.	6.0	3
124	The immigrant birthweight paradox in an urban cohort: Role of immigrant enclaves and ambient air pollution. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 571-582.	3.9	3
125	Postnatal exposure to PM2.5 and weight trajectories in early childhood. <i>Environmental Epidemiology</i> , 2022, 6, e181.	3.0	3
126	Assessing additive effects of air pollutants on mortality rate in Massachusetts. <i>Environmental Health</i> , 2021, 20, 19.	4.0	2



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127	Racial Disparities in Associations between Neighborhood Demographic Polarization and Birth Weight. International Journal of Environmental Research and Public Health, 2020, 17, 3076.	2.6	1
128	Modeling the impact of exposure reductions using multi-stressor epidemiology, exposure models, and synthetic microdata: an application to birthweight in two environmental justice communities. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 442-453.	3.9	1
129	The Role of Immigrant Enclaves and Ambient Air Pollution Exposure in the Immigrant Birthweight Paradox. ISEE Conference Abstracts, 2021, 2021, .	0.0	1
130	Emulating causal dose-response relations between air pollutants and mortality in elders. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
131	The impact of air pollution on mortality risk in the older adults with Alzheimer's disease and related dementias (ADRD). ISEE Conference Abstracts, 2021, 2021, .	0.0	0
132	Associations of Short-term Exposure to Air Pollution and Ambient Temperature Increase with Psychiatric Admissions in Elderly Adults. ISEE Conference Abstracts, 2021, 2021, .	0.0	0