

C Arden Pope Iii

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

75,331
citations

13854

67
h-index

17090

122
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126
all docs

126
docs citations

126
times ranked

64065
citing authors

#	ARTICLE	IF	CITATIONS
1	Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2095-2128.	6.3	11,038
2	A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2224-2260.	6.3	9,397
3	An Association between Air Pollution and Mortality in Six U.S. Cities. <i>New England Journal of Medicine</i> , 1993, 329, 1753-1759.	13.9	6,767
4	Lung Cancer, Cardiopulmonary Mortality, and Long-term Exposure to Fine Particulate Air Pollution. <i>JAMA - Journal of the American Medical Association</i> , 2002, 287, 1132.	3.8	6,490
5	Health Effects of Fine Particulate Air Pollution: Lines that Connect. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 709-742.	0.9	5,147
6	Particulate Matter Air Pollution and Cardiovascular Disease. <i>Circulation</i> , 2010, 121, 2331-2378.	1.6	5,007
7	Estimates and 25-year trends of the global burden of disease attributable to ambient air pollution: an analysis of data from the Global Burden of Diseases Study 2015. <i>Lancet, The</i> , 2017, 389, 1907-1918.	6.3	4,187
8	Particulate Air Pollution as a Predictor of Mortality in a Prospective Study of U.S. Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 151, 669-674.	2.5	2,299
9	Cardiovascular Mortality and Long-Term Exposure to Particulate Air Pollution. <i>Circulation</i> , 2004, 109, 71-77.	1.6	2,250
10	Fine-Particulate Air Pollution and Life Expectancy in the United States. <i>New England Journal of Medicine</i> , 2009, 360, 376-386.	13.9	1,816
11	An Integrated Risk Function for Estimating the Global Burden of Disease Attributable to Ambient Fine Particulate Matter Exposure. <i>Environmental Health Perspectives</i> , 2014, 122, 397-403.	2.8	1,423
12	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.	3.3	1,407
13	Long-Term Ozone Exposure and Mortality. <i>New England Journal of Medicine</i> , 2009, 360, 1085-1095.	13.9	1,202
14	Spatial Analysis of Air Pollution and Mortality in Los Angeles. <i>Epidemiology</i> , 2005, 16, 727-736.	1.2	808
15	Review of Epidemiological Evidence of Health Effects of Particulate Air Pollution. <i>Inhalation Toxicology</i> , 1995, 7, 1-18.	0.8	646
16	Cardiovascular Mortality and Exposure to Airborne Fine Particulate Matter and Cigarette Smoke. <i>Circulation</i> , 2009, 120, 941-948.	1.6	612
17	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.	2.5	602
18	Lung Cancer and Cardiovascular Disease Mortality Associated with Ambient Air Pollution and Cigarette Smoke: Shape of the Exposureâ€“Response Relationships. <i>Environmental Health Perspectives</i> , 2011, 119, 1616-1621.	2.8	583

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19	Respiratory Health and PM ₁₀ Pollution: A Daily Time Series Analysis. <i>The American Review of Respiratory Disease</i> , 1991, 144, 668-674.	2.9	562
20	Daily Mortality and PM ₁₀ Pollution in Utah Valley. <i>Archives of Environmental Health</i> , 1992, 47, 211-217.	0.4	561
21	Ischemic Heart Disease Events Triggered by Short-Term Exposure to Fine Particulate Air Pollution. <i>Circulation</i> , 2006, 114, 2443-2448.	1.6	507
22	Risk of Nonaccidental and Cardiovascular Mortality in Relation to Long-term Exposure to Low Concentrations of Fine Particulate Matter: A Canadian National-Level Cohort Study. <i>Environmental Health Perspectives</i> , 2012, 120, 708-714.	2.8	484
23	Exposure to Fine Particulate Air Pollution Is Associated With Endothelial Injury and Systemic Inflammation. <i>Circulation Research</i> , 2016, 119, 1204-1214.	2.0	472
24	Long-term Ambient Fine Particulate Matter Air Pollution and Lung Cancer in a Large Cohort of Never-Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 1374-1381.	2.5	439
25	Acute Health Effects of PM ₁₀ Pollution on Symptomatic and Asymptomatic Children. <i>The American Review of Respiratory Disease</i> , 1992, 145, 1123-1128.	2.9	419
26	Ambient PM _{2.5} , O ₃ , and NO ₂ Exposures and Associations with Mortality over 16 Years of Follow-Up in the Canadian Census Health and Environment Cohort (CanCHEC). <i>Environmental Health Perspectives</i> , 2015, 123, 1180-1186.	2.8	419
27	Ambient particulate air pollution, heart rate variability, and blood markers of inflammation in a panel of elderly subjects. <i>Environmental Health Perspectives</i> , 2004, 112, 339-345.	2.8	417
28	Epidemiology of Fine Particulate Air Pollution and Human Health: Biologic Mechanisms and Who's at Risk?. <i>Environmental Health Perspectives</i> , 2000, 108, 713.	2.8	396
29	Air Pollution and Cardiovascular Disease. <i>Current Problems in Cardiology</i> , 2015, 40, 207-238.	1.1	382
30	Respiratory Hospital Admissions Associated with PM ₁₀ Pollution in Utah, Salt Lake, and Cache Valleys. <i>Archives of Environmental Health</i> , 1991, 46, 90-97.	0.4	373
31	Public health benefits of strategies to reduce greenhouse-gas emissions: health implications of short-lived greenhouse pollutants. <i>Lancet, The</i> , 2009, 374, 2091-2103.	6.3	360
32	Outdoor air pollution and cancer: An overview of the current evidence and public health recommendations. <i>Ca-A Cancer Journal for Clinicians</i> , 2020, 70, 460-479.	157.7	348
33	Relationships Between Fine Particulate Air Pollution, Cardiometabolic Disorders, and Cardiovascular Mortality. <i>Circulation Research</i> , 2015, 116, 108-115.	2.0	327
34	Effect of Air Pollution Control on Life Expectancy in the United States. <i>Epidemiology</i> , 2013, 24, 23-31.	1.2	325
35	Ambient PM _{2.5} Reduces Global and Regional Life Expectancy. <i>Environmental Science and Technology Letters</i> , 2018, 5, 546-551.	3.9	322
36	Ischemic Heart Disease Mortality and Long-Term Exposure to Source-Related Components of U.S. Fine Particle Air Pollution. <i>Environmental Health Perspectives</i> , 2016, 124, 785-794.	2.8	309

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37	“What We Breathe Impacts Our Health: Improving Understanding of the Link between Air Pollution and Health”, <i>Environmental Science & Technology</i> , 2016, 50, 4895-4904.	4.6	294
38	Spatial Analysis of Air Pollution and Mortality in California. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 593-599.	2.5	284
39	Short-Term Elevation of Fine Particulate Matter Air Pollution and Acute Lower Respiratory Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 759-766.	2.5	267
40	Extended follow-up and spatial analysis of the American Cancer Society study linking particulate air pollution and mortality. <i>Research Report (health Effects Institute)</i> , 2009, , 5-114; discussion 115-36.	1.6	244
41	Air Pollution and Mortality in Elderly People: A Time-Series Study in Sao Paulo, Brazil. <i>Archives of Environmental Health</i> , 1995, 50, 159-163.	0.4	238
42	Health Effects of Fine Particulate Air Pollution: Lines that Connect. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1368-1380.	0.9	227
43	Mortality Effects of Longer Term Exposures to Fine Particulate Air Pollution: Review of Recent Epidemiological Evidence. <i>Inhalation Toxicology</i> , 2007, 19, 33-38.	0.8	222
44	Fine particulate air pollution and human mortality: 25+ years of cohort studies. <i>Environmental Research</i> , 2020, 183, 108924.	3.7	216
45	Epidemiology of Particle Effects. , 1999, , 673-705.		186
46	Confounding and exposure measurement error in air pollution epidemiology. <i>Air Quality, Atmosphere and Health</i> , 2012, 5, 203-216.	1.5	175
47	Ambient Air Pollution and Cancer Mortality in the Cancer Prevention Study II. <i>Environmental Health Perspectives</i> , 2017, 125, 087013.	2.8	169
48	Acute Effects of PM ₁₀ Pollution on Pulmonary Function of Smokers with Mild to Moderate Chronic Obstructive Pulmonary Disease. <i>The American Review of Respiratory Disease</i> , 1993, 147, 1336-1340.	2.9	168
49	Elementary school absences and PM10 pollution in Utah Valley. <i>Environmental Research</i> , 1992, 58, 204-219.	3.7	160
50	Mortality and Long-Term Exposure to Ambient Air Pollution: Ongoing Analyses Based on the American Cancer Society Cohort. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005, 68, 1093-1109.	1.1	159
51	Long-Term Fine Particulate Matter Exposure and Mortality From Diabetes in Canada. <i>Diabetes Care</i> , 2013, 36, 3313-3320.	4.3	145
52	Mortality Risk and Fine Particulate Air Pollution in a Large, Representative Cohort of U.S. Adults. <i>Environmental Health Perspectives</i> , 2019, 127, 77007.	2.8	144
53	Episodic Exposure to Fine Particulate Air Pollution Decreases Circulating Levels of Endothelial Progenitor Cells. <i>Circulation Research</i> , 2010, 107, 200-203.	2.0	130
54	Relation of Heart Failure Hospitalization to Exposure to Fine Particulate Air Pollution. <i>American Journal of Cardiology</i> , 2008, 102, 1230-1234.	0.7	121

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55	What Do Epidemiologic Findings Tell Us about Health Effects of Environmental Aerosols?. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2000, 13, 335-354.	1.2	118
56	How is cardiovascular disease mortality risk affected by duration and intensity of fine particulate matter exposure? An integration of the epidemiologic evidence. Air Quality, Atmosphere and Health, 2011, 4, 5-14.	1.5	112
57	Comparing the Health Effects of Ambient Particulate Matter Estimated Using Ground-Based versus Remote Sensing Exposure Estimates. Environmental Health Perspectives, 2017, 125, 552-559.	2.8	107
58	A class of non-linear exposure-response models suitable for health impact assessment applicable to large cohort studies of ambient air pollution. Air Quality, Atmosphere and Health, 2016, 9, 961-972.	1.5	106
59	Mortality Effects of a Copper Smelter Strike and Reduced Ambient Sulfate Particulate Matter Air Pollution. Environmental Health Perspectives, 2007, 115, 679-683.	2.8	104
60	Health benefits of air pollution abatement policy: Role of the shape of the concentration-response function. Journal of the Air and Waste Management Association, 2015, 65, 516-522.	0.9	101
61	Cardiopulmonary mortality and air pollution. Lancet, The, 2002, 360, 1184-1185.	6.3	100
62	Short-term Exposure to Fine Particulate Matter Air Pollution Is Preferentially Associated With the Risk of ST-Segment Elevation Acute Coronary Events. Journal of the American Heart Association, 2015, 4, .	1.6	99
63	Particulate matter air pollution and national and county life expectancy loss in the USA: A spatiotemporal analysis. PLoS Medicine, 2019, 16, e1002856.	3.9	95
64	Air pollution and life expectancy in China and beyond. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12861-12862.	3.3	94
65	Radon and Lung Cancer in the American Cancer Society Cohort. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 438-448.	1.1	93
66	Respiratory Changes due to Long-term Exposure to Urban Levels of Air Pollution. Chest, 1998, 113, 1312-1318.	0.4	87
67	Air Pollution and Health - Good News and Bad. New England Journal of Medicine, 2004, 351, 1132-1134.	13.9	79
68	Chemical Composition of Fine Particulate Matter and Life Expectancy. Epidemiology, 2015, 26, 556-564.	1.2	76
69	Cancer mortality risk, fine particulate air pollution, and smoking in a large, representative cohort of US adults. Cancer Causes and Control, 2020, 31, 767-776.	0.8	73
70	Cardiovascular Disease and Fine Particulate Matter. Circulation Research, 2018, 122, 1645-1647.	2.0	65
71	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. Environmental Science and Technology Letters, 2020, 7, 639-645.	3.9	64
72	Mortality and Air Pollution: Associations Persist with Continued Advances in Research Methodology. Environmental Health Perspectives, 1999, 107, 613.	2.8	62

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73	Invited Commentary: Particulate Matter-Mortality Exposure-Response Relations and Threshold. American Journal of Epidemiology, 2000, 152, 407-412.	1.6	61
74	Interactions Between Cigarette Smoking and Fine Particulate Matter in the Risk of Lung Cancer Mortality in Cancer Prevention Study II. American Journal of Epidemiology, 2014, 180, 1145-1149.	1.6	61
75	Interactions between cigarette smoking and ambient PM 2.5 for cardiovascular mortality. Environmental Research, 2017, 154, 304-310.	3.7	58
76	EXTERNAL HEALTH COSTS OF A STEEL MILL. Contemporary Economic Policy, 1995, 13, 86-97.	0.8	56
77	Fine Particulate Matter Exposure and Cancer Incidence: Analysis of SEER Cancer Registry Data from 1992-2016. Environmental Health Perspectives, 2020, 128, 107004.	2.8	55
78	Indirect adjustment for multiple missing variables applicable to environmental epidemiology. Environmental Research, 2014, 134, 482-487.	3.7	54
79	Mortality risk and PM2.5 air pollution in the USA: an analysis of a national prospective cohort. Air Quality, Atmosphere and Health, 2018, 11, 245-252.	1.5	52
80	Vascular Function and Short-Term Exposure to Fine Particulate Air Pollution. Journal of the Air and Waste Management Association, 2011, 61, 858-863.	0.9	48
81	Fine particulate air pollution and life expectancies in the United States: The role of influential observations. Journal of the Air and Waste Management Association, 2013, 63, 129-132.	0.9	44
82	Atrial Fibrillation Hospitalization Is Not Increased with Short-Term Elevations in Exposure to Fine Particulate Air Pollution. PACE - Pacing and Clinical Electrophysiology, 2011, 34, 1475-1479.	0.5	39
83	Progress in research to assess the effectiveness of air quality interventions towards improving public health. Air Quality, Atmosphere and Health, 2012, 5, 217-230.	1.5	36
84	Lung Cancer and Air Pollution. Environmental Health Perspectives, 1995, 103, 219.	2.8	33
85	Air pollution and mortality in a large, representative U.S. cohort: multiple-pollutant analyses, and spatial and temporal decompositions. Environmental Health, 2019, 18, 101.	1.7	27
86	Kawasaki Disease and Exposure to Fine Particulate Air Pollution. Journal of Pediatrics, 2016, 177, 179-183.e1.	0.9	25
87	Greenness, air pollution, and mortality risk: A U.S. cohort study of cancer patients and survivors. Environment International, 2021, 157, 106797.	4.8	22
88	Confounding in Air Pollution Epidemiology. Epidemiology, 2007, 18, 424-426.	1.2	21
89	Use of health information in air pollution health research: Past successes and emerging needs. Journal of Exposure Science and Environmental Epidemiology, 2009, 19, 45-58.	1.8	21
90	Cardiopulmonary Mortality and Fine Particulate Air Pollution by Species and Source in a National U.S. Cohort. Environmental Science & Technology, 2022, 56, 7214-7223.	4.6	21

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91	Fine particles exposure and cardiopulmonary morbidity in Jeddah: A time-series analysis. <i>Science of the Total Environment</i> , 2019, 647, 1314-1322.	3.9	20
92	Sources of Fine Particulate Material along the Wasatch Front. <i>Energy & Fuels</i> , 2002, 16, 282-293.	2.5	19
93	Tradeoffs between income, air pollution and life expectancy: Brief report on the US experience, 1980-2000. <i>Environmental Research</i> , 2015, 142, 591-593.	3.7	19
94	A Quasi-Experimental Analysis of Elementary School Absences and Fine Particulate Air Pollution. <i>Medicine (United States)</i> , 2016, 95, e2916.	0.4	19
95	Particulate Air Pollution, Exceptional Aging, and Rates of Centenarians: A Nationwide Analysis of the United States, 1980-2010. <i>Environmental Health Perspectives</i> , 2016, 124, 1744-1750.	2.8	18
96	Fine Particulate Matter Air Pollution and Mortality Risk Among US Cancer Patients and Survivors. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab001.	1.4	18
97	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.	1.7	17
98	The Expanding Role of Air Pollution in Cardiovascular Disease. <i>Circulation</i> , 2009, 119, 3050-3052.	1.6	16
99	Mortality risk associated with greenness, air pollution, and physical activity in a representative U.S. cohort. <i>Science of the Total Environment</i> , 2022, 824, 153848.	3.9	16
100	Designing health impact functions to assess marginal changes in outdoor fine particulate matter. <i>Environmental Research</i> , 2022, 204, 112245.	3.7	15
101	Meta-Analysis Methods to Estimate the Shape and Uncertainty in the Association Between Long-Term Exposure to Ambient Fine Particulate Matter and Cause-Specific Mortality Over the Global Concentration Range. <i>Risk Analysis</i> , 2016, 36, 1813-1825.	1.5	13
102	Fine Particulate Matter and Respiratory Healthcare Encounters among Survivors of Childhood Cancers. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1081.	1.2	13
103	Association between EMS calls and fine particulate air pollution in Utah. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 887-897.	1.5	11
104	Estimating long-term pollution exposure effects through inverse probability weighting methods with Cox proportional hazards models. <i>Environmental Epidemiology</i> , 2020, 4, e085.	1.4	10
105	Shape of BMI-Mortality Risk Associations: Reverse Causality and Heterogeneity in a Representative Cohort of US Adults. <i>Obesity</i> , 2021, 29, 755-766.	1.5	10
106	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.	0.7	8
107	Particulate Air Pollution and Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 485-486.	2.5	7
108	The Threat to Air Pollution Health Studies Behind the Environmental Protection Agency's Cloak of Science Transparency. <i>American Journal of Public Health</i> , 2020, 110, 286-287.	1.5	7

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109	Ischaemic heart disease and fine particulate air pollution. <i>Heart</i> , 2015, 101, 248-249.	1.2	6
110	Acute exposure to air pollution is associated with novel changes in blood levels of endothelin-1 and circulating angiogenic cells in young, healthy adults. <i>AIMS Environmental Science</i> , 2019, 6, 265-276.	0.7	5
111	Validity of observational studies in accountability analyses: the case of air pollution and life expectancy. <i>Air Quality, Atmosphere and Health</i> , 2012, 5, 231-235.	1.5	4
112	Acute exposure to air pollution is associated with novel changes in blood levels of endothelin-1 and circulating angiogenic cells in young, healthy adults. <i>AIMS Environmental Science</i> , 2019, 6, 265-276.	0.7	4
113	Design and Characterization of a Two-Stage Human Subject Exposure Chamber. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 864-871.	0.9	3
114	From Olympians to Mere Mortals. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 1076-1077.	2.5	3
115	Does Air Pollution Increase Risk of Mortality After Cardiac Transplantation?. <i>Journal of the American College of Cardiology</i> , 2019, 74, 3036-3038.	1.2	3
116	Historic and Modern Air Pollution Studies Conducted in Utah. <i>Atmosphere</i> , 2020, 11, 1094.	1.0	3
117	Report of the Particulate Matter Research Strategies Workshop, Park City, Utah, April 29-30, 1996. <i>Journal of Occupational and Environmental Hygiene</i> , 1998, 13, 485-493.	0.5	2
118	Epidemiology Investigations of the Health Effects of Particulate Air Pollution: Strengths and Limitations. <i>Journal of Occupational and Environmental Hygiene</i> , 1998, 13, 356-363.	0.5	2
119	Mortality from Copper Smelter Emissions: Pope Responds. <i>Environmental Health Perspectives</i> , 2007, 115, .	2.8	1
120	Are Adults with COPD Vulnerable to Air Pollution and Cardiovascular Risk?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 116-118.	2.5	1
121	Protocol to assess the efficacy of carnosine supplementation in mitigating the adverse cardiovascular responses to particulate matter (PM) exposure: the Nucleophilic Defense Against PM Toxicity (NEAT) trial. <i>BMJ Open</i> , 2020, 10, e039118.	0.8	1
122	Environmental Triggers of Acute Coronary Syndromes. <i>Circulation</i> , 2022, 145, 1761-1763.	1.6	1
123	Comments on the Reanalysis Project. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 1689-1696.	1.1	0
124	Smelters and Mortality: Pope et al. Respond. <i>Environmental Health Perspectives</i> , 2007, 115, .	2.8	0