

# Qian Di

## List of Publications by Year in descending order

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90  
papers

7,351  
citations

117453

34  
h-index

56606

83  
g-index

92  
all docs

92  
docs citations

92  
times ranked

8220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical activity attenuates negative effects of short-term exposure to ambient air pollution on cognitive function. <i>Environment International</i> , 2022, 160, 107070.	4.8	13
2	The Effect of Prenatal Exposure to Climate Anomaly on Adulthood Cognitive Function and Job Reputation. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2523.	1.2	3
3	Pre- and Postnatal Fine Particulate Matter Exposure and Childhood Cognitive and Adaptive Function. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3748.	1.2	6
4	Associations of short-term exposure to air pollution and increased ambient temperature with psychiatric hospital admissions in older adults in the USA: a case-“crossover study. <i>Lancet Planetary Health</i> , The, 2022, 6, e331-e341.	5.1	25
5	Short-term PM <sub>2.5</sub> exposure and early-readmission risk: a retrospective cohort study in North Carolina heart failure patients. <i>American Heart Journal</i> , 2022, 248, 130-138.	1.2	9
6	Long-term air pollution exposure and incident stroke in American older adults: A national cohort study. <i>Global Epidemiology</i> , 2022, 4, 100073.	0.6	13
7	Associations between short-term exposure to PM <sub>2.5</sub> and cardiomyocyte injury in myocardial infarction survivors in North Carolina. <i>Open Heart</i> , 2022, 9, e001891.	0.9	6
8	The effect of long-term exposure to air pollution and seasonal temperature on hospital admissions with cardiovascular and respiratory disease in the United States: A difference-in-differences analysis. <i>Science of the Total Environment</i> , 2022, 843, 156855.	3.9	24
9	Examining PM <sub>2.5</sub> concentrations and exposure using multiple models. <i>Environmental Research</i> , 2021, 196, 110432.	3.7	20
10	The 2020 China report of the Lancet Countdown on health and climate change. <i>Lancet Public Health</i> , The, 2021, 6, e64-e81.	4.7	106
11	PM <sub>2.5</sub> and hospital admissions among Medicare enrollees with chronic debilitating brain disorders. <i>Science of the Total Environment</i> , 2021, 755, 142524.	3.9	16
12	A fast divide-and-conquer sparse Cox regression. <i>Biostatistics</i> , 2021, 22, 381-401.	0.9	30
13	Effects of Online Bodyweight High-Intensity Interval Training Intervention and Health Education on the Mental Health and Cognition of Sedentary Young Females. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 302.	1.2	15
14	Long-term Exposure to PM <sub>2.5</sub> and Mortality for the Older Population: Effect Modification by Residential Greenness. <i>Epidemiology</i> , 2021, 32, 477-486.	1.2	18
15	A national difference in differences analysis of the effect of PM <sub>2.5</sub> on annual death rates. <i>Environmental Research</i> , 2021, 194, 110649.	3.7	21
16	Ambient air pollution exposure and radiographic pulmonary vascular volumes. <i>Environmental Epidemiology</i> , 2021, 5, e143.	1.4	2
17	Long-Term Association of Air Pollution and Hospital Admissions Among Medicare Participants Using a Doubly Robust Additive Model. <i>Circulation</i> , 2021, 143, 1584-1596.	1.6	78
18	A Direct Estimate of the Impact of PM <sub>2.5</sub> , NO <sub>2</sub> , and O <sub>3</sub> Exposure on Life Expectancy Using Propensity Scores. <i>Epidemiology</i> , 2021, 32, 469-476.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Long-Term Exposure to Particulate Air Pollution Is Associated With 30-Day Readmissions and Hospital Visits Among Patients With Heart Failure. <i>Journal of the American Heart Association</i> , 2021, 10, e019430.	1.6	18
20	Emulating causal dose-response relations between air pollutants and mortality in the Medicare population. <i>Environmental Health</i> , 2021, 20, 53.	1.7	24
21	Association between chronic obstructive pulmonary disease and long-term ozone and PM2.5 exposure among Medicare participants: a national cohort study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
22	Emulating causal dose-response relations between air pollutants and mortality in elders. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
23	Associations between long-term fine particulate matter exposure and hospital procedures in heart failure patients. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
24	Long-term Exposure to Air Pollution and Temperature and Hospital Admissions with Cardiovascular Disease in the United States. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
25	Associations of Short-term Exposure to Air Pollution and Ambient Temperature Increase with Psychiatric Admissions in Elderly Adults. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
26	A Co-Twin control study of fine particulate matter and the prevalence of metabolic syndrome risk factors. <i>Environmental Research</i> , 2021, 201, 111604.	3.7	1
27	Temporal changes in associations between high temperature and hospitalizations by greenspace: Analysis in the Medicare population in 40 U.S. northeast counties. <i>Environment International</i> , 2021, 156, 106737.	4.8	13
28	A self-controlled approach to survival analysis, with application to air pollution and mortality. <i>Environment International</i> , 2021, 157, 106861.	4.8	5
29	Long-term effect of exposure to lower concentrations of air pollution on mortality among US Medicare participants and vulnerable subgroups: a doubly-robust approach. <i>Lancet Planetary Health</i> , The, 2021, 5, e689-e697.	5.1	54
30	Do temporal trends of associations between short-term exposure to fine particulate matter (PM2.5) and risk of hospitalizations differ by sub-populations and urbanicity—a study of 968 U.S. counties and the Medicare population. <i>Environmental Research</i> , 2021, , 112271.	3.7	4
31	The 2021 China report of the Lancet Countdown on health and climate change: seizing the window of opportunity. <i>Lancet Public Health</i> , The, 2021, 6, e932-e947.	4.7	41
32	Health benefits of decreases in on-road transportation emissions in the United States from 2008 to 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	34
33	Association of Indoor and Outdoor Air Pollution With Hand-Grip Strength Among Adults in Six Low- and Middle-Income Countries. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 340-347.	1.7	10
34	Early Life Exposure to Air Pollution and Autism Spectrum Disorder. <i>Epidemiology</i> , 2020, 31, 103-114.	1.2	48
35	Assessing NO <sub>2</sub> Concentration and Model Uncertainty with High Spatiotemporal Resolution across the Contiguous United States Using Ensemble Model Averaging. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1372-1384.	4.6	155
36	Long-term effects of PM2.5 on neurological disorders in the American Medicare population: a longitudinal cohort study. <i>Lancet Planetary Health</i> , The, 2020, 4, e557-e565.	5.1	151

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37	Prenatal exposure to particulate air pollution and gestational age at delivery in Massachusetts neonates 2001–2015. <i>Environmental Epidemiology</i> , 2020, 4, e113.	1.4	10
38	An Ensemble Learning Approach for Estimating High Spatiotemporal Resolution of Ground-Level Ozone in the Contiguous United States. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11037-11047.	4.6	114
39	Mental Health Problems during the COVID-19 Pandemics and the Mitigation Effects of Exercise: A Longitudinal Study of College Students in China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3722.	1.2	373
40	Modifiable areal unit problem and environmental factors of COVID-19 outbreak. <i>Science of the Total Environment</i> , 2020, 740, 139984.	3.9	32
41	Risk of Acute Respiratory Distress Syndrome Among Older Adults Living Near Construction and Manufacturing Sites. <i>Epidemiology</i> , 2020, 31, 468-477.	1.2	5
42	Causal Effects of Air Pollution on Mortality Rate in Massachusetts. <i>American Journal of Epidemiology</i> , 2020, 189, 1316-1323.	1.6	47
43	Associations Between Long-Term Fine Particulate Matter Exposure and Mortality in Heart Failure Patients. <i>Journal of the American Heart Association</i> , 2020, 9, e012517.	1.6	25
44	Inverse probability weighted distributed lag effects of short-term exposure to PM <sub>2.5</sub> and ozone on CVD hospitalizations in New England Medicare participants - Exploring the causal effects. <i>Environmental Research</i> , 2020, 182, 109095.	3.7	37
45	Association of short-term exposure to ambient PM <sub>2.5</sub> with hospital admissions and 30-day readmissions in end-stage renal disease patients: population-based retrospective cohort study. <i>BMJ Open</i> , 2020, 10, e041177.	0.8	15
46	Ambient air pollution exposure and risk and progression of interstitial lung abnormalities: the Framingham Heart Study. <i>Thorax</i> , 2019, 74, 1063-1069.	2.7	39
47	Supplemental Folate and the Relationship Between Traffic-Related Air Pollution and Livebirth Among Women Undergoing Assisted Reproduction. <i>American Journal of Epidemiology</i> , 2019, 188, 1595-1604.	1.6	18
48	An ensemble-based model of PM <sub>2.5</sub> concentration across the contiguous United States with high spatiotemporal resolution. <i>Environment International</i> , 2019, 130, 104909.	4.8	370
49	Time-Varying Exposure to Air Pollution and Outcomes of <i>in Vitro</i> Fertilization among Couples from a Fertility Clinic. <i>Environmental Health Perspectives</i> , 2019, 127, 77002.	2.8	35
50	Relative toxicities of major particulate matter constituents on birthweight in Massachusetts. <i>Environmental Epidemiology</i> , 2019, 3, e047.	1.4	21
51	Long-term exposure to PM <sub>2.5</sub> and ozone and hospital admissions of Medicare participants in the Southeast USA. <i>Environment International</i> , 2019, 130, 104879.	4.8	89
52	Impact of Long-Term Exposures to Ambient PM <sub>2.5</sub> and Ozone on ARDS Risk for Older Adults in the United States. <i>Chest</i> , 2019, 156, 71-79.	0.4	51
53	Causal inference in the context of an error prone exposure: Air pollution and mortality. <i>Annals of Applied Statistics</i> , 2019, 13, 520-547.	0.5	27
54	Short term exposure to fine particulate matter and hospital admission risks and costs in the Medicare population: time stratified, case crossover study. <i>BMJ: British Medical Journal</i> , 2019, 367, l6258.	2.4	137

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55	Change in PM <sub>2.5</sub> exposure and mortality among Medicare recipients. <i>Environmental Epidemiology</i> , 2019, 3, e054.	1.4	12
56	Neighborhood Sociodemographic Effects on the Associations Between Long-term PM <sub>2.5</sub> Exposure and Cardiovascular Outcomes and Diabetes Mellitus. <i>Environmental Epidemiology</i> , 2019, 3, e038.	1.4	20
57	Air pollution, neighborhood deprivation, and autism spectrum disorder in the Study to Explore Early Development. <i>Environmental Epidemiology</i> , 2019, 3, e067.	1.4	19
58	Association of long-term PM <sub>2.5</sub> exposure with traditional and novel lipid measures related to cardiovascular disease risk. <i>Environment International</i> , 2019, 122, 193-200.	4.8	83
59	Air pollutant exposure field modeling using air quality model-data fusion methods and comparison with satellite AOD-derived fields: application over North Carolina, USA. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 11-22.	1.5	22
60	Consumption of fruit and vegetables might mitigate the adverse effects of ambient PM <sub>2.5</sub> on lung function among adults. <i>Environmental Research</i> , 2018, 160, 77-82.	3.7	19
61	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
62	Prenatal nitrate air pollution exposure and reduced child lung function: Timing and fetal sex effects. <i>Environmental Research</i> , 2018, 167, 591-597.	3.7	29
63	Estimation of daily PM <sub>10</sub> concentrations in Italy (2006–2012) using finely resolved satellite data, land use variables and meteorology. <i>Environment International</i> , 2017, 99, 234-244.	4.8	100
64	A hybrid model for spatially and temporally resolved ozone exposures in the continental United States. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 39-52.	0.9	100
65	Editor's Highlight: Modifying Role of Endothelial Function Gene Variants on the Association of Long-Term PM <sub>2.5</sub> Exposure With Blood DNA Methylation Age: The VA Normative Aging Study. <i>Toxicological Sciences</i> , 2017, 158, 116-126.	1.4	10
66	Impacts of the Mitochondrial Genome on the Relationship of Long-Term Ambient Fine Particle Exposure with Blood DNA Methylation Age. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8185-8195.	4.6	16
67	Associations between long-term exposure to PM <sub>2.5</sub> component species and blood DNA methylation age in the elderly: The VA normative aging study. <i>Environment International</i> , 2017, 102, 57-65.	4.8	58
68	Long-term Exposure to PM <sub>2.5</sub> and Mortality Among Older Adults in the Southeastern US. <i>Epidemiology</i> , 2017, 28, 207-214.	1.2	127
69	Ambient PM <sub>2.5</sub> and Stroke. <i>Stroke</i> , 2017, 48, 1191-1197.	1.0	95
70	Long-Term Effects of Ambient PM <sub>2.5</sub> on Hypertension and Blood Pressure and Attributable Risk Among Older Chinese Adults. <i>Hypertension</i> , 2017, 69, 806-812.	1.3	161
71	Associations of Annual Ambient Fine Particulate Matter Mass and Components with Mitochondrial DNA Abundance. <i>Epidemiology</i> , 2017, 28, 763-770.	1.2	18
72	Air Pollution and Mortality in the Medicare Population. <i>New England Journal of Medicine</i> , 2017, 377, 1497-1499.	13.9	30

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73	Fine particulate matter and cardiovascular disease: Comparison of assessment methods for long-term exposure. <i>Environmental Research</i> , 2017, 159, 16-23.	3.7	63
74	Exposure to air pollution and tobacco smoking and their combined effects on depression in six low- and middle-income countries. <i>British Journal of Psychiatry</i> , 2017, 211, 157-162.	1.7	59
75	miRNA processing gene polymorphisms, blood DNA methylation age and long-term ambient PM <sub>2.5</sub> exposure in elderly men. <i>Epigenomics</i> , 2017, 9, 1529-1542.	1.0	15
76	Prenatal Nitrate Exposure and Childhood Asthma. Influence of Maternal Prenatal Stress and Fetal Sex. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1396-1403.	2.5	52
77	Air Pollution and Mortality in the Medicare Population. <i>New England Journal of Medicine</i> , 2017, 376, 2513-2522.	13.9	1,038
78	Modeling indoor particulate exposures in inner-city school classrooms. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 451-457.	1.8	32
79	Developing particle emission inventories using remote sensing (PEIRS). <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 53-63.	0.9	4
80	Trends and spatial patterns of fine-resolution aerosol optical depth-derived PM <sub>2.5</sub> emissions in the Northeast United States from 2002 to 2013. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 64-74.	0.9	10
81	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.	3.8	449
82	Estimating the Causal Effect of Low Levels of Fine Particulate Matter on Hospitalization. <i>Epidemiology</i> , 2017, 28, 627-634.	1.2	73
83	Assessing PM <sub>2.5</sub> Exposures with High Spatiotemporal Resolution across the Continental United States. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4712-4721.	4.6	360
84	Heat stroke admissions during heat waves in 1,916 US counties for the period from 1999 to 2010 and their effect modifiers. <i>Environmental Health</i> , 2016, 15, 83.	1.7	39
85	Particle size and chemical constituents of ambient particulate pollution associated with cardiovascular mortality in Guangzhou, China. <i>Environmental Pollution</i> , 2016, 208, 758-766.	3.7	187
86	A hybrid prediction model for PM <sub>2.5</sub> mass and components using a chemical transport model and land use regression. <i>Atmospheric Environment</i> , 2016, 131, 390-399.	1.9	131
87	Differentiating the effects of characteristics of PM pollution on mortality from ischemic and hemorrhagic strokes. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 204-211.	2.1	70
88	Association between exposure to ambient air pollution before conception date and likelihood of giving birth to girls in Guangzhou, China. <i>Atmospheric Environment</i> , 2015, 122, 622-627.	1.9	11
89	A Geovisual Analytic Approach to Understanding Geo-Social Relationships in the International Trade Network. <i>PLoS ONE</i> , 2014, 9, e88666.	1.1	12
90	The classification of spatial features on cognitive psychological model. , 2010, , .		0