Qian Di

List of Publications by Year
in descending order

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90	7,351	117453	56606
papers	citations	34 h-index	83 g-index

92	92	92	8220
all docs	docs citations	times ranked	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.	3.3	1,407
2	Air Pollution and Mortality in the Medicare Population. New England Journal of Medicine, 2017, 376, 2513-2522.	13.9	1,038
3	Association of Short-term Exposure to Air Pollution With Mortality in Older Adults. JAMA - Journal of the American Medical Association, 2017, 318, 2446.	3.8	449
4	Mental Health Problems during the COVID-19 Pandemics and the Mitigation Effects of Exercise: A Longitudinal Study of College Students in China. International Journal of Environmental Research and Public Health, 2020, 17, 3722.	1.2	373
5	An ensemble-based model of PM2.5 concentration across the contiguous United States with high spatiotemporal resolution. Environment International, 2019, 130, 104909.	4.8	370
6	Assessing PM_{2.5} Exposures with High Spatiotemporal Resolution across the Continental United States. Environmental Science & Technology, 2016, 50, 4712-4721.	4.6	360
7	Particle size and chemical constituents of ambient particulate pollution associated with cardiovascular mortality in Guangzhou, China. Environmental Pollution, 2016, 208, 758-766.	3.7	187
8	Long-Term Effects of Ambient PM _{2.5} on Hypertension and Blood Pressure and Attributable Risk Among Older Chinese Adults. Hypertension, 2017, 69, 806-812.	1.3	161
9	Assessing NO₂ Concentration and Model Uncertainty with High Spatiotemporal Resolution across the Contiguous United States Using Ensemble Model Averaging. Environmental Science & Technology, 2020, 54, 1372-1384.	4.6	155
10	Long-term effects of PM2Â·5 on neurological disorders in the American Medicare population: a longitudinal cohort study. Lancet Planetary Health, The, 2020, 4, e557-e565.	5.1	151
11	Short term exposure to fine particulate matter and hospital admission risks and costs in the Medicare population: time stratified, case crossover study. BMJ: British Medical Journal, 2019, 367, l6258.	2.4	137
12	A hybrid prediction model for PM2.5 mass and components using a chemical transport model and land use regression. Atmospheric Environment, 2016, 131, 390-399.	1.9	131
13	Long-term Exposure to PM2.5 and Mortality Among Older Adults in the Southeastern US. Epidemiology, 2017, 28, 207-214.	1.2	127
14	An Ensemble Learning Approach for Estimating High Spatiotemporal Resolution of Ground-Level Ozone in the Contiguous United States. Environmental Science & Technology, 2020, 54, 11037-11047.	4.6	114
15	The 2020 China report of the Lancet Countdown on health and climate change. Lancet Public Health, The, 2021, 6, e64-e81.	4.7	106
16	Estimation of daily PM10 concentrations in Italy (2006â€“2012) using finely resolved satellite data, land use variables and meteorology. Environment International, 2017, 99, 234-244.	4.8	100
17	A hybrid model for spatially and temporally resolved ozone exposures in the continental United States. Journal of the Air and Waste Management Association, 2017, 67, 39-52.	0.9	100
18	Ambient PM _{2.5} and Stroke. Stroke, 2017, 48, 1191-1197.	1.0	95

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19	Long-term exposure to PM2.5 and ozone and hospital admissions of Medicare participants in the Southeast USA. Environment International, 2019, 130, 104879.	4.8	89
20	Association of long-term PM2.5 exposure with traditional and novel lipid measures related to cardiovascular disease risk. Environment International, 2019, 122, 193-200.	4.8	83
21	Long-Term Association of Air Pollution and Hospital Admissions Among Medicare Participants Using a Doubly Robust Additive Model. Circulation, 2021, 143, 1584-1596.	1.6	78
22	Estimating the Causal Effect of Low Levels of Fine Particulate Matter on Hospitalization. Epidemiology, 2017, 28, 627-634.	1.2	73
23	Differentiating the effects of characteristics of PM pollution on mortality from ischemic and hemorrhagic strokes. International Journal of Hygiene and Environmental Health, 2016, 219, 204-211.	2.1	70
24	Fine particulate matter and cardiovascular disease: Comparison of assessment methods for long-term exposure. Environmental Research, 2017, 159, 16-23.	3.7	63
25	Exposure to air pollution and tobacco smoking and their combined effects on depression in six low- and middle-income countries. British Journal of Psychiatry, 2017, 211, 157-162.	1.7	59
26	Associations between long-term exposure to PM2.5 component species and blood DNA methylation age in the elderly: The VA normative aging study. Environment International, 2017, 102, 57-65.	4.8	58
27	Long-term effect of exposure to lower concentrations of air pollution on mortality among US Medicare participants and vulnerable subgroups: a doubly-robust approach. Lancet Planetary Health, The, 2021, 5, e689-e697.	5.1	54
28	Prenatal Nitrate Exposure and Childhood Asthma. Influence of Maternal Prenatal Stress and Fetal Sex. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1396-1403.	2.5	52
29	Impact of Long-Term Exposures to Ambient PM2.5 and Ozone on ARDS Risk for Older Adults in the United States. Chest, 2019, 156, 71-79.	0.4	51
30	Early Life Exposure to Air Pollution and Autism Spectrum Disorder. Epidemiology, 2020, 31, 103-114.	1.2	48
31	Causal Effects of Air Pollution on Mortality Rate in Massachusetts. American Journal of Epidemiology, 2020, 189, 1316-1323.	1.6	47
32	The 2021 China report of the Lancet Countdown on health and climate change: seizing the window of opportunity. Lancet Public Health, The, 2021, 6, e932-e947.	4.7	41
33	Heat stroke admissions during heat waves in 1,916 US counties for the period from 1999 to 2010 and their effect modifiers. Environmental Health, 2016, 15, 83.	1.7	39
34	Ambient air pollution exposure and risk and progression of interstitial lung abnormalities: the Framingham Heart Study. Thorax, 2019, 74, 1063-1069.	2.7	39
35	Inverse probability weighted distributed lag effects of short-term exposure to PM2.5 and ozone on CVD hospitalizations in New England Medicare participants - Exploring the causal effects. Environmental Research, 2020, 182, 109095.	3.7	37
36	Time-Varying Exposure to Air Pollution and Outcomes of in Vitro Fertilization among Couples from a Fertility Clinic. Environmental Health Perspectives, 2019, 127, 77002.	2.8	35

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37	Health benefits of decreases in on-road transportation emissions in the United States from 2008 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	34
38	Modeling indoor particulate exposures in inner-city school classrooms. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 451-457.	1.8	32
39	Modifiable areal unit problem and environmental factors of COVID-19 outbreak. Science of the Total Environment, 2020, 740, 139984.	3.9	32
40	Air Pollution and Mortality in the Medicare Population. New England Journal of Medicine, 2017, 377, 1497-1499.	13.9	30
41	A fast divide-and-conquer sparse Cox regression. Biostatistics, 2021, 22, 381-401.	0.9	30
42	Prenatal nitrate air pollution exposure and reduced child lung function: Timing and fetal sex effects. Environmental Research, 2018, 167, 591-597.	3.7	29
43	Causal inference in the context of an error prone exposure: Air pollution and mortality. Annals of Applied Statistics, 2019, 13, 520-547.	0.5	27
44	Associations Between Longâ€Term Fine Particulate Matter Exposure and Mortality in Heart Failure Patients. Journal of the American Heart Association, 2020, 9, e012517.	1.6	25
45	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. Lancet Planetary Health, The, 2022, 6, e331-e341.	5.1	25
46	Emulating causal dose-response relations between air pollutants and mortality in the Medicare population. Environmental Health, 2021, 20, 53.	1.7	24
47	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. Science of the Total Environment, 2022, 843, 156855.	3.9	24
48	Air pollutant exposure field modeling using air quality model-data fusion methods and comparison with satellite AOD-derived fields: application over North Carolina, USA. Air Quality, Atmosphere and Health, 2018, 11, 11-22.	1.5	22
49	Relative toxicities of major particulate matter constituents on birthweight in Massachusetts. Environmental Epidemiology, 2019, 3, e047.	1.4	21
50	A national difference in differences analysis of the effect of PM2.5 on annual death rates. Environmental Research, 2021, 194, 110649.	3.7	21
51	Neighborhood Sociodemographic Effects on the Associations Between Long-term PM2.5 Exposure and Cardiovascular Outcomes and Diabetes Mellitus. Environmental Epidemiology, 2019, 3, e038.	1.4	20
52	Examining PM2.5 concentrations and exposure using multiple models. Environmental Research, 2021, 196, 110432.	3.7	20
53	Consumption of fruit and vegetables might mitigate the adverse effects of ambient PM 2.5 on lung function among adults. Environmental Research, 2018, 160, 77-82.	3.7	19
54	Air pollution, neighborhood deprivation, and autism spectrum disorder in the Study to Explore Early Development. Environmental Epidemiology, 2019, 3, e067.	1.4	19

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55	Associations of Annual Ambient Fine Particulate Matter Mass and Components with Mitochondrial DNA Abundance. Epidemiology, 2017, 28, 763-770.	1.2	18
56	Supplemental Folate and the Relationship Between Traffic-Related Air Pollution and Livebirth Among Women Undergoing Assisted Reproduction. American Journal of Epidemiology, 2019, 188, 1595-1604.	1.6	18
57	Long-term Exposure to PM2.5 and Mortality for the Older Population: Effect Modification by Residential Greenness. Epidemiology, 2021, 32, 477-486.	1.2	18
58	Longâ€Term Exposure to Particulate Air Pollution Is Associated With 30â€Day Readmissions and Hospital Visits Among Patients With Heart Failure. Journal of the American Heart Association, 2021, 10, e019430.	1.6	18
59	Impacts of the Mitochondrial Genome on the Relationship of Long-Term Ambient Fine Particle Exposure with Blood DNA Methylation Age. Environmental Science & Technology, 2017, 51, 8185-8195.	4.6	16
60	PM2.5 and hospital admissions among Medicare enrollees with chronic debilitating brain disorders. Science of the Total Environment, 2021, 755, 142524.	3.9	16
61	miRNA processing gene polymorphisms, blood DNA methylation age and long-term ambient PM_{2.5} exposure in elderly men. Epigenomics, 2017, 9, 1529-1542.	1.0	15
62	Effects of Online Bodyweight High-Intensity Interval Training Intervention and Health Education on the Mental Health and Cognition of Sedentary Young Females. International Journal of Environmental Research and Public Health, 2021, 18, 302.	1.2	15
63	Association of short-term exposure to ambient PM_{2.5}with hospital admissions and 30-day readmissions in end-stage renal disease patients: population-based retrospective cohort study. BMJ Open, 2020, 10, e041177.	0.8	15
64	Temporal changes in associations between high temperature and hospitalizations by greenspace: Analysis in the Medicare population in 40 U.S. northeast counties. Environment International, 2021, 156, 106737.	4.8	13
65	Physical activity attenuates negative effects of short-term exposure to ambient air pollution on cognitive function. Environment International, 2022, 160, 107070.	4.8	13
66	Long-term air pollution exposure and incident stroke in American older adults: A national cohort study. Global Epidemiology, 2022, 4, 100073.	0.6	13
67	A Geovisual Analytic Approach to Understanding Geo-Social Relationships in the International Trade Network. PLoS ONE, 2014, 9, e88666.	1.1	12
68	Change in PM2.5 exposure and mortality among Medicare recipients. Environmental Epidemiology, 2019, 3, e054.	1.4	12
69	Association between exposure to ambient air pollution before conception date and likelihood of giving birth to girls in Guangzhou, China. Atmospheric Environment, 2015, 122, 622-627.	1.9	11
70	Editorâ€™s Highlight: Modifying Role of Endothelial Function Gene Variants on the Association of Long-Term PM2.5 Exposure With Blood DNA Methylation Age: The VA Normative Aging Study. Toxicological Sciences, 2017, 158, 116-126.	1.4	10
71	Trends and spatial patterns of fine-resolution aerosol optical depthâ€“derived PM2.5 emissions in the Northeast United States from 2002 to 2013. Journal of the Air and Waste Management Association, 2017, 67, 64-74.	0.9	10
72	Association of Indoor and Outdoor Air Pollution With Hand-Grip Strength Among Adults in Six Low- and Middle-Income Countries. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 340-347.	1.7	10

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73	Prenatal exposure to particulate air pollution and gestational age at delivery in Massachusetts neonates 2001â€“2015. Environmental Epidemiology, 2020, 4, e113.	1.4	10
74	A Direct Estimate of the Impact of PM2.5, NO2, and O3 Exposure on Life Expectancy Using Propensity Scores. Epidemiology, 2021, 32, 469-476.	1.2	9
75	Short-term PM2.5 exposure and early-readmission risk: a retrospective cohort study in North Carolina heart failure patients. American Heart Journal, 2022, 248, 130-138.	1.2	9
76	Pre- and Postnatal Fine Particulate Matter Exposure and Childhood Cognitive and Adaptive Function. International Journal of Environmental Research and Public Health, 2022, 19, 3748.	1.2	6
77	Associations between short-term exposure to PM_{2.5} and cardiomyocyte injury in myocardial infarction survivors in North Carolina. Open Heart, 2022, 9, e001891.	0.9	6
78	Risk of Acute Respiratory Distress Syndrome Among Older Adults Living Near Construction and Manufacturing Sites. Epidemiology, 2020, 31, 468-477.	1.2	5
79	A self-controlled approach to survival analysis, with application to air pollution and mortality. Environment International, 2021, 157, 106861.	4.8	5
80	Developing particle emission inventories using remote sensing (PEIRS). Journal of the Air and Waste Management Association, 2017, 67, 53-63.	0.9	4
81	Do temporal trends of associations between short-term exposure to fine particulate matter (PM2.5) and risk of hospitalizations differ by sub-populations and urbanicityâ€”a study of 968 U.S. counties and the Medicare population. Environmental Research, 2021, , 112271.	3.7	4
82	The Effect of Prenatal Exposure to Climate Anomaly on Adulthood Cognitive Function and Job Reputation. International Journal of Environmental Research and Public Health, 2022, 19, 2523.	1.2	3
83	Ambient air pollution exposure and radiographic pulmonary vascular volumes. Environmental Epidemiology, 2021, 5, e143.	1.4	2
84	A Co-Twin control study of fine particulate matter and the prevalence of metabolic syndrome risk factors. Environmental Research, 2021, 201, 111604.	3.7	1
85	The classification of spatial features on cognitive psychological model. , 2010, , .		0
86	Association between chronic obstructive pulmonary disease and long-term ozone and PM2.5 exposure among Medicare participants: a national cohort study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
87	Emulating causal dose-response relations between air pollutants and mortality in elders. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
88	Associations between long-term fine particulate matter exposure and hospital procedures in heart failure patients. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
89	Long-term Exposure to Air Pollution and Temperature and Hospital Admissions with Cardiovascular Disease in the United States. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
90	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