James A Mulholland

List of Publications by Year
in descending order

42 papers	2,196 citations	279701 23 h-index	265120 42 g-index
43 all docs	43 docs citations	43 times ranked	3084 citing authors

#	Article	IF	Citations
1	Using land use variable information and a random forest approach to correct spatial mean bias in fused CMAQ fields for particulate and gas species. Atmospheric Environment, 2022, 274, 118982.	1.9	5
2	Critical Window Variable Selection for Mixtures: Estimating the Impact of Multiple Air Pollutants on Stillbirth. ISEE Conference Abstracts, 2021, 2021, .	0.0	1
3	Fine Particle Iron in Soils and Road Dust Is Modulated by Coal-Fired Power Plant Sulfur. Environmental Science & Technology, 2020, 54, 7088-7096.	4.6	17
4	Characterization of the concentration-response curve for ambient ozone and acute respiratory morbidity in 5 US cities. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 267-277.	1.8	6
5	The Impacts of Prescribed Fire on PM2.5 Air Quality and Human Health: Application to Asthma-Related Emergency Room Visits in Georgia, USA. International Journal of Environmental Research and Public Health, 2019, 16, 2312.	1.2	25
6	Application of a Fusion Method for Gas and Particle Air Pollutants between Observational Data and Chemical Transport Model Simulations Over the Contiguous United States for 2005â€“2014. International Journal of Environmental Research and Public Health, 2019, 16, 3314.	1.2	17
7	Review of Acellular Assays of Ambient Particulate Matter Oxidative Potential: Methods and Relationships with Composition, Sources, and Health Effects. Environmental Science & Technology, 2019, 53, 4003-4019.	4.6	321
8	Impact of air pollution control policies on cardiorespiratory emergency department visits, Atlanta, GA, 1999â€“2013. Environment International, 2019, 126, 627-634.	4.8	13
9	Empirical Development of Ozone Isopleths: Applications to Los Angeles. Environmental Science and Technology Letters, 2019, 6, 294-299.	3.9	25
10	Source-Apportioned PM2.5 and Cardiorespiratory Emergency Department Visits. Epidemiology, 2019, 30, 789-798.	1.2	18
11	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. Epidemiology, 2019, 30, 624-632.	1.2	22
12	Spatial PM_{2.5}mobile source impacts using a calibrated indicator method. Journal of the Air and Waste Management Association, 2019, 69, 402-414.	0.9	2
13	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
14	Cross-comparison and evaluation of air pollution field estimation methods. Atmospheric Environment, 2018, 179, 49-60.	1.9	50
15	Using cell phone location to assess misclassification errors in air pollution exposure estimation. Environmental Pollution, 2018, 233, 261-266.	3.7	54
16	Estimating Acute Cardiovascular Effects of Ambient PM2.5 Metals. Environmental Health Perspectives, 2018, 126, 027007.	2.8	53
17	Constraining chemical transport PM_{2.5} modeling outputs using surface monitor measurements and satellite retrievals: application over the San Joaquin Valley. Atmospheric Chemistry and Physics, 2018, 18, 12891-12913.	1.9	12
18	A multicity study of air pollution and cardiorespiratory emergency department visits: Comparing approaches for combining estimates across cities. Environment International, 2018, 120, 312-320.	4.8	14

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19	Assessment of neighbourhood-level socioeconomic status as a modifier of air pollutionâ€“asthma associations among children in Atlanta. Journal of Epidemiology and Community Health, 2017, 71, 129-136.	2.0	75
20	Ozone and childhood respiratory disease in three US cities: evaluation of effect measure modification by neighborhood socioeconomic status using a Bayesian hierarchical approach. Environmental Health, 2017, 16, 36.	1.7	40
21	Evaluation of individual and area-level factors as modifiers of the association between warm-season temperature and pediatric asthma morbidity in Atlanta, GA. Environmental Research, 2017, 156, 132-144.	3.7	33
22	Daily ambient air pollution metrics for five cities: Evaluation of data-fusion-based estimates and uncertainties. Atmospheric Environment, 2017, 158, 36-50.	1.9	27
23	Responses in Ozone and Its Production Efficiency Attributable to Recent and Future Emissions Changes in the Eastern United States. Environmental Science & Technology, 2017, 51, 13797-13805.	4.6	16
24	Evaluating the effectiveness of air quality regulations: A review of accountability studies and frameworks. Journal of the Air and Waste Management Association, 2017, 67, 144-172.	0.9	62
25	Associations between Ambient Fine Particulate Oxidative Potential and Cardiorespiratory Emergency Department Visits. Environmental Health Perspectives, 2017, 125, 107008.	2.8	96
26	Air Pollution and Preterm Birth in the U.S. State of Georgia (2002â€“2006): Associations with Concentrations of 11 Ambient Air Pollutants Estimated by Combining Community Multiscale Air Quality Model (CMAQ) Simulations with Stationary Monitor Measurements. Environmental Health Perspectives, 2016, 124, 875-880.	2.8	75
27	A Statistical Framework to Evaluate Extreme Weather Definitions from a Health Perspective: A Demonstration Based on Extreme Heat Events. Bulletin of the American Meteorological Society, 2016, 97, 1817-1830.	1.7	31
28	Characterizing the spatial distribution of multiple pollutants and populations at risk in Atlanta, Georgia. Spatial and Spatio-temporal Epidemiology, 2016, 18, 13-23.	0.9	17
29	A method for quantifying bias in modeled concentrations and source impacts for secondary particulate matter. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	3.3	12
30	Calibrating R-LINE model results with observational data to develop annual mobile source air pollutant fields at fine spatial resolution: Application in Atlanta. Atmospheric Environment, 2016, 147, 446-457.	1.9	31
31	Pediatric emergency department visits and ambient Air pollution in the U.S. State of Georgia: a case-crossover study. Environmental Health, 2016, 15, 115.	1.7	66
32	Method for Fusing Observational Data and Chemical Transport Model Simulations To Estimate Spatiotemporally Resolved Ambient Air Pollution. Environmental Science & Technology, 2016, 50, 3695-3705.	4.6	86
33	Ambient air pollution and emergency department visits for asthma: a multi-city assessment of effect modification by age. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 180-188.	1.8	75
34	Exploring associations between multipollutant day types and asthma morbidity: epidemiologic applications of self-organizing map ambient air quality classifications. Environmental Health, 2015, 14, 55.	1.7	19
35	Associations between ambient air pollutant mixtures and pediatric asthma emergency department visits in three cities: a classification and regression tree approach. Environmental Health, 2015, 14, 58.	1.7	18
36	Effects of ambient air pollution measurement error on health effect estimates in time-series studies: a simulation-based analysis. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 160-166.	1.8	39

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37	Weekendâ€“weekday aerosols and geographic variability in cloud-to-ground lightning for the urban region of Atlanta, Georgia, USA. Regional Environmental Change, 2013, 13, 137-151.	1.4	35
38	Application of alternative spatiotemporal metrics of ambient air pollution exposure in a time-series epidemiological study in Atlanta. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 593-605.	1.8	52
39	Ambient Air Pollutant Measurement Error: Characterization and Impacts in a Time-Series Epidemiologic Study in Atlanta. Environmental Science & Technology, 2010, 44, 7692-7698.	4.6	56
40	Ambient Air Pollution and Respiratory Emergency Department Visits. Epidemiology, 2005, 16, 164-174.	1.2	417
41	Interim results of the study of particulates and health in Atlanta (SOPHIA). Journal of Exposure Science and Environmental Epidemiology, 2000, 10, 446-460.	1.8	63
42	Temporal and Spatial Distributions of Ozone in Atlanta: Regulatory and Epidemiologic Implications. Journal of the Air and Waste Management Association, 1998, 48, 418-426.	0.9	78