

James A Mulholland

List of Publications by Year in descending order

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42
papers

2,196
citations

279701

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265120

42
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43
all docs

43
docs citations

43
times ranked

3084
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient Air Pollution and Respiratory Emergency Department Visits. <i>Epidemiology</i> , 2005, 16, 164-174.	1.2	417
2	Review of Acellular Assays of Ambient Particulate Matter Oxidative Potential: Methods and Relationships with Composition, Sources, and Health Effects. <i>Environmental Science & Technology</i> , 2019, 53, 4003-4019.	4.6	321
3	Associations between Ambient Fine Particulate Oxidative Potential and Cardiorespiratory Emergency Department Visits. <i>Environmental Health Perspectives</i> , 2017, 125, 107008.	2.8	96
4	Method for Fusing Observational Data and Chemical Transport Model Simulations To Estimate Spatiotemporally Resolved Ambient Air Pollution. <i>Environmental Science & Technology</i> , 2016, 50, 3695-3705.	4.6	86
5	Temporal and Spatial Distributions of Ozone in Atlanta: Regulatory and Epidemiologic Implications. <i>Journal of the Air and Waste Management Association</i> , 1998, 48, 418-426.	0.9	78
6	Air Pollution and Preterm Birth in the U.S. State of Georgia (2002-2006): Associations with Concentrations of 11 Ambient Air Pollutants Estimated by Combining Community Multiscale Air Quality Model (CMAQ) Simulations with Stationary Monitor Measurements. <i>Environmental Health Perspectives</i> , 2016, 124, 875-880.	2.8	75
7	Ambient air pollution and emergency department visits for asthma: a multi-city assessment of effect modification by age. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 180-188.	1.8	75
8	Assessment of neighbourhood-level socioeconomic status as a modifier of air pollution-asthma associations among children in Atlanta. <i>Journal of Epidemiology and Community Health</i> , 2017, 71, 129-136.	2.0	75
9	Pediatric emergency department visits and ambient Air pollution in the U.S. State of Georgia: a case-crossover study. <i>Environmental Health</i> , 2016, 15, 115.	1.7	66
10	Interim results of the study of particulates and health in Atlanta (SOPHIA). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 446-460.	1.8	63
11	Evaluating the effectiveness of air quality regulations: A review of accountability studies and frameworks. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 144-172.	0.9	62
12	Ambient Air Pollutant Measurement Error: Characterization and Impacts in a Time-Series Epidemiologic Study in Atlanta. <i>Environmental Science & Technology</i> , 2010, 44, 7692-7698.	4.6	56
13	Using cell phone location to assess misclassification errors in air pollution exposure estimation. <i>Environmental Pollution</i> , 2018, 233, 261-266.	3.7	54
14	Estimating Acute Cardiovascular Effects of Ambient PM2.5 Metals. <i>Environmental Health Perspectives</i> , 2018, 126, 027007.	2.8	53
15	Application of alternative spatiotemporal metrics of ambient air pollution exposure in a time-series epidemiological study in Atlanta. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 593-605.	1.8	52
16	Cross-comparison and evaluation of air pollution field estimation methods. <i>Atmospheric Environment</i> , 2018, 179, 49-60.	1.9	50
17	Ozone and childhood respiratory disease in three US cities: evaluation of effect measure modification by neighborhood socioeconomic status using a Bayesian hierarchical approach. <i>Environmental Health</i> , 2017, 16, 36.	1.7	40
18	Effects of ambient air pollution measurement error on health effect estimates in time-series studies: a simulation-based analysis. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 160-166.	1.8	39

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19	Weekendâ€“weekday aerosols and geographic variability in cloud-to-ground lightning for the urban region of Atlanta, Georgia, USA. <i>Regional Environmental Change</i> , 2013, 13, 137-151.	1.4	35
20	Evaluation of individual and area-level factors as modifiers of the association between warm-season temperature and pediatric asthma morbidity in Atlanta, GA. <i>Environmental Research</i> , 2017, 156, 132-144.	3.7	33
21	A Statistical Framework to Evaluate Extreme Weather Definitions from a Health Perspective: A Demonstration Based on Extreme Heat Events. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1817-1830.	1.7	31
22	Calibrating R-LINE model results with observational data to develop annual mobile source air pollutant fields at fine spatial resolution: Application in Atlanta. <i>Atmospheric Environment</i> , 2016, 147, 446-457.	1.9	31
23	Daily ambient air pollution metrics for five cities: Evaluation of data-fusion-based estimates and uncertainties. <i>Atmospheric Environment</i> , 2017, 158, 36-50.	1.9	27
24	The Impacts of Prescribed Fire on PM2.5 Air Quality and Human Health: Application to Asthma-Related Emergency Room Visits in Georgia, USA. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2312.	1.2	25
25	Empirical Development of Ozone Isopleths: Applications to Los Angeles. <i>Environmental Science and Technology Letters</i> , 2019, 6, 294-299.	3.9	25
26	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
27	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. <i>Epidemiology</i> , 2019, 30, 624-632.	1.2	22
28	Exploring associations between multipollutant day types and asthma morbidity: epidemiologic applications of self-organizing map ambient air quality classifications. <i>Environmental Health</i> , 2015, 14, 55.	1.7	19
29	Associations between ambient air pollutant mixtures and pediatric asthma emergency department visits in three cities: a classification and regression tree approach. <i>Environmental Health</i> , 2015, 14, 58.	1.7	18
30	Source-AppORTioned PM2.5 and Cardiorespiratory Emergency Department Visits. <i>Epidemiology</i> , 2019, 30, 789-798.	1.2	18
31	Characterizing the spatial distribution of multiple pollutants and populations at risk in Atlanta, Georgia. <i>Spatial and Spatio-temporal Epidemiology</i> , 2016, 18, 13-23.	0.9	17
32	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. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3314.	1.2	17
33	Fine Particle Iron in Soils and Road Dust Is Modulated by Coal-Fired Power Plant Sulfur. <i>Environmental Science & Technology</i> , 2020, 54, 7088-7096.	4.6	17
34	Responses in Ozone and Its Production Efficiency Attributable to Recent and Future Emissions Changes in the Eastern United States. <i>Environmental Science & Technology</i> , 2017, 51, 13797-13805.	4.6	16
35	A multicity study of air pollution and cardiorespiratory emergency department visits: Comparing approaches for combining estimates across cities. <i>Environment International</i> , 2018, 120, 312-320.	4.8	14
36	Impact of air pollution control policies on cardiorespiratory emergency department visits, Atlanta, GA, 1999â€“2013. <i>Environment International</i> , 2019, 126, 627-634.	4.8	13

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37	A method for quantifying bias in modeled concentrations and source impacts for secondary particulate matter. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	12
38	Constraining chemical transport PM _{2.5} modeling outputs using surface monitor measurements and satellite retrievals: application over the San Joaquin Valley. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12891-12913.	1.9	12
39	Characterization of the concentration-response curve for ambient ozone and acute respiratory morbidity in 5 US cities. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 267-277.	1.8	6
40	Using land use variable information and a random forest approach to correct spatial mean bias in fused CMAQ fields for particulate and gas species. <i>Atmospheric Environment</i> , 2022, 274, 118982.	1.9	5
41	Spatial PM _{2.5} mobile source impacts using a calibrated indicator method. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 402-414.	0.9	2
42	Critical Window Variable Selection for Mixtures: Estimating the Impact of Multiple Air Pollutants on Stillbirth. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	1