

Matthew J Strickland

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,250
citations

361296

20
h-index

223716

46
g-index

49
all docs

49
docs citations

49
times ranked

3522
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating PM _{2.5} Concentrations in the Conterminous United States Using the Random Forest Approach. <i>Environmental Science & Technology</i> , 2017, 51, 6936-6944.	4.6	404
2	Short-term Associations between Ambient Air Pollutants and Pediatric Asthma Emergency Department Visits. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 307-316.	2.5	304
3	Air Pollution and Acute Respiratory Infections Among Children 0–4 Years of Age: An 18-Year Time-Series Study. <i>American Journal of Epidemiology</i> , 2014, 180, 968-977.	1.6	231
4	The association of wildfire smoke with respiratory and cardiovascular emergency department visits in Colorado in 2012: a case crossover study. <i>Environmental Health</i> , 2016, 15, 64.	1.7	114
5	Ambient Air Pollution and Cardiovascular Malformations in Atlanta, Georgia, 1986-2003. <i>American Journal of Epidemiology</i> , 2009, 169, 1004-1014.	1.6	107
6	Associations between Ambient Fine Particulate Oxidative Potential and Cardiorespiratory Emergency Department Visits. <i>Environmental Health Perspectives</i> , 2017, 125, 107008.	2.8	96
7	Age-Specific Associations of Ozone and Fine Particulate Matter with Respiratory Emergency Department Visits in the United States. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 882-890.	2.5	96
8	Associations of wildfire smoke PM _{2.5} exposure with cardiorespiratory events in Colorado 2011–2014. <i>Environment International</i> , 2019, 133, 105151.	4.8	94
9	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
10	Pediatric Emergency Visits and Short-Term Changes in PM _{2.5} Concentrations in the U.S. State of Georgia. <i>Environmental Health Perspectives</i> , 2016, 124, 690-696.	2.8	64
11	Inflammatory Response After Neonatal Cardiac Surgery and Its Relationship to Clinical Outcomes. <i>Annals of Thoracic Surgery</i> , 2014, 97, 950-956.	0.7	52
12	Aldehydes in Exhaled Breath during E-Cigarette Vaping: Pilot Study Results. <i>Toxics</i> , 2018, 6, 46.	1.6	50
13	Measurement error in mobile source air pollution exposure estimates due to residential mobility during pregnancy. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 513-520.	1.8	47
14	Modification of the Effect of Ambient Air Pollution on Pediatric Asthma Emergency Visits. <i>Epidemiology</i> , 2014, 25, 843-850.	1.2	43
15	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
16	Contributions of regional air pollutant emissions to ozone and fine particulate matter-related mortalities in eastern U.S. urban areas. <i>Environmental Research</i> , 2015, 137, 475-484.	3.7	30
17	Implications of different approaches for characterizing ambient air pollutant concentrations within the urban airshed for time-series studies and health benefits analyses. <i>Environmental Health</i> , 2011, 10, 36.	1.7	29
18	Exposure to acute air pollution and risk of bronchiolitis and otitis media for preterm and term infants. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 348-357.	1.8	26

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19	Early-life exposure to PM2.5 and risk of acute asthma clinical encounters among children in Massachusetts: a case-crossover analysis. <i>Environmental Health</i> , 2018, 17, 20.	1.7	26
20	Acute associations between PM2.5 and ozone concentrations and asthma exacerbations among patients with and without allergic comorbidities. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 795-804.	1.8	25
21	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. <i>Epidemiology</i> , 2019, 30, 624-632.	1.2	22
22	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
23	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
24	Source apportionment of primary and secondary PM2.5: Associations with pediatric respiratory disease emergency department visits in the U.S. State of Georgia. <i>Environment International</i> , 2019, 133, 105167.	4.8	18
25	Source-Appportioned PM2.5 and Cardiorespiratory Emergency Department Visits. <i>Epidemiology</i> , 2019, 30, 789-798.	1.2	18
26	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. <i>American Journal of Epidemiology</i> , 2019, 188, 950-959.	1.6	17
27	Acute associations between heatwaves and preterm and early-term birth in 50 US metropolitan areas: a matched case-control study. <i>Environmental Health</i> , 2021, 20, 47.	1.7	17
28	Associations of mobile source air pollution during the first year of life with childhood pneumonia, bronchiolitis, and otitis media. <i>Environmental Epidemiology</i> , 2018, 2, e007.	1.4	16
29	A Method to Detect Residual Confounding in Spatial and Other Observational Studies. <i>Epidemiology</i> , 2011, 22, 823-826.	1.2	15
30	Recent Approaches to Estimate Associations Between Source-Specific Air Pollution and Health. <i>Current Environmental Health Reports</i> , 2017, 4, 68-78.	3.2	14
31	Caesarean delivery, childhood asthma, and effect modification by sex: An observational study and meta-analysis. <i>Paediatric and Perinatal Epidemiology</i> , 2018, 32, 495-503.	0.8	14
32	Chronic PM2.5 exposure and risk of infant bronchiolitis and otitis media clinical encounters. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 1055-1063.	2.1	13
33	Impact of air pollution control policies on cardiorespiratory emergency department visits, Atlanta, GA, 1999-2013. <i>Environment International</i> , 2019, 126, 627-634.	4.8	13
34	Use of antihistamine medications during early pregnancy and selected birth defects: The National Birth Defects Prevention Study, 1997-2011. <i>Birth Defects Research</i> , 2020, 112, 1234-1252.	0.8	13
35	Time-series analysis of daily ambient temperature and emergency department visits in five US cities with a comparison of exposure metrics derived from 1-km meteorology products. <i>Environmental Health</i> , 2021, 20, 55.	1.7	11
36	Multiple bias analysis using logistic regression: an example from the National Birth Defects Prevention Study. <i>Annals of Epidemiology</i> , 2018, 28, 510-514.	0.9	10

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37	Time-dependent recordkeeping fatigue among youth completing health diaries of unintentional injuries. <i>Journal of Safety Research</i> , 2006, 37, 487-492.	1.7	9
38	Evaluating early-life asthma definitions as a marker for subsequent asthma in an electronic medical record setting. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 591-596.	1.1	8
39	Taking Another Look at Ambient Coarse Particles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 697-698.	2.5	5
40	Using logic regression to characterize extreme heat exposures and their health associations: a time-series study of emergency department visits in Atlanta. <i>BMC Medical Research Methodology</i> , 2021, 21, 87.	1.4	5
41	Gestational Age-Specific Associations between Infantile Acute Bronchiolitis and Asthma after Age Five. <i>Paediatric and Perinatal Epidemiology</i> , 2014, 28, 521-526.	0.8	2
42	Resource allocation for mitigating regional air pollution-related mortality: A summertime case study for five cities in the United States. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 748-757.	0.9	1
43	Impacts of gestational age uncertainty in estimating associations between preterm birth and ambient air pollution. <i>Environmental Epidemiology</i> , 2018, 2, e031.	1.4	1
44	Prepregnancy body mass index and spina bifida: Potential contributions of bias. <i>Birth Defects Research</i> , 2021, 113, 633-643.	0.8	1
45	A cross-sectional analysis of associations between environmental indices and asthma in U.S. counties from 2003 to 2012. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 320-332.	1.8	1
46	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
47	Addressing Gaps in Age-Specific Evidence Used for United States Air Pollution Policy. <i>ISEE Conference Abstracts</i> , 2018, 2017, 907.	0.0	1
48	Seasonal Confounding in Studies of Temperature and Preterm Birth: A Simulation Study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0