Weeberb J Requia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6015233/publications.pdf

Version: 2024-02-01

71 papers	1,743 citations	304368 22 h-index	301761 39 g-index
72 all docs	72 docs citations	72 times ranked	2049 citing authors

#	Article	IF	Citations
1	How clean are electric vehicles? Evidence-based review of the effects of electric mobility on air pollutants, greenhouse gas emissions and human health. Atmospheric Environment, 2018, 185, 64-77.	1.9	168
2	Global Association of Air Pollution and Cardiorespiratory Diseases: A Systematic Review, Meta-Analysis, and Investigation of Modifier Variables. American Journal of Public Health, 2018, 108, S123-S130.	1.5	122
3	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
4	A national cohort study (2000â€“2018) of long-term air pollution exposure and incident dementia in older adults in the United States. Nature Communications, 2021, 12, 6754.	5.8	92
5	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
6	The health impacts of weekday traffic: A health risk assessment of PM2.5 emissions during congested periods. Environment International, 2018, 111, 164-176.	4.8	66
7	Risk of the Brazilian health care system over 5572 municipalities to exceed health care capacity due to the 2019 novel coronavirus (COVID-19). Science of the Total Environment, 2020, 730, 139144.	3.9	60
8	Association of PM2.5 with diabetes, asthma, and high blood pressure incidence in Canada: A spatiotemporal analysis of the impacts of the energy generation and fuel sales. Science of the Total Environment, 2017, 584-585, 1077-1083.	3.9	55
9	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
10	Spatial distribution of vehicle emission inventories in the Federal District, Brazil. Atmospheric Environment, 2015, 112, 32-39.	1.9	52
11	Impact of weather changes on air quality and related mortality in Spain over a 25â€¯year period [1993â€“2017]. Environment International, 2019, 133, 105272.	4.8	52
12	Carbon dioxide emissions of plug-in hybrid electric vehicles: A life-cycle analysis in eight Canadian cities. Renewable and Sustainable Energy Reviews, 2017, 78, 1390-1396.	8.2	51
13	Expression quantitative trait locus fine mapping of the 17q12â€“21 asthma locus in African American children: a genetic association and gene expression study. Lancet Respiratory Medicine,the, 2020, 8, 482-492.	5.2	47
14	Health impacts of wildfire-related air pollution in Brazil: a nationwide study of more than 2 million hospital admissions between 2008 and 2018. Nature Communications, 2021, 12, 6555.	5.8	40
15	Climate impact on ambient PM2.5 elemental concentration in the United States: A trend analysis over the last 30â€¯years. Environment International, 2019, 131, 104888.	4.8	36
16	Accessibility, air pollution, and congestion: Capturing spatial trade-offs from agglomeration in the property market. Land Use Policy, 2019, 84, 177-191.	2.5	34
17	The influence of vehicle body type in shaping behavioural intention to acquire electric vehicles: A multi-group structural equation approach. Transportation Research, Part A: Policy and Practice, 2018, 116, 54-72.	2.0	31
18	Association between vehicular emissions and cardiorespiratory disease risk in Brazil and its variation by spatial clustering of socio-economic factors. Environmental Research, 2016, 150, 452-460.	3.7	29

#	Article	IF	Citations
19	Low-Concentration Air Pollution and Mortality in American Older Adults: A National Cohort Analysis (2001â€“2017). Environmental Science & Technology, 2022, 56, 7194-7202.	4.6	29
20	Modeling spatial patterns of traffic emissions across 5570 municipal districts in Brazil. Journal of Cleaner Production, 2017, 148, 845-853.	4.6	27
21	Heat warnings, mortality, and hospital admissions among older adults in the United States. Environment International, 2021, 157, 106834.	4.8	26
22	Modeling spatial patterns of link-based PM2.5 emissions and subsequent human exposure in a large canadian metropolitan area. Atmospheric Environment, 2017, 158, 172-180.	1.9	24
23	Emulating causal dose-response relations between air pollutants and mortality in the Medicare population. Environmental Health, 2021, 20, 53.	1.7	24
24	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
25	Evaluation of predictive capabilities of ordinary geostatistical interpolation, hybrid interpolation, and machine learning methods for estimating PM2.5 constituents over space. Environmental Research, 2019, 175, 421-433.	3.7	22
26	Increased preterm birth following maternal wildfire smoke exposure in Brazil. International Journal of Hygiene and Environmental Health, 2022, 240, 113901.	2.1	22
27	Spatial modeling of daily concentrations of ground-level ozone in Montreal, Canada: A comparison of geostatistical approaches. Environmental Research, 2018, 166, 487-496.	3.7	21
28	A novel land use approach for assessment of human health: The relationship between urban structure types and cardiorespiratory disease risk. Environment International, 2015, 85, 334-342.	4.8	20
29	How private vehicle use increases ambient air pollution concentrations at schools during the morning drop-off of children. Atmospheric Environment, 2017, 165, 264-273.	1.9	19
30	Evaluation of the impact of the Rio 2016 Olympic Games on air quality in the city of Rio de Janeiro, Brazil. Atmospheric Environment, 2019, 203, 206-215.	1.9	19
31	Mapping alternatives for public policy decision making related to human exposures from air pollution sources in the Federal District, Brazil. Land Use Policy, 2016, 59, 375-385.	2.5	18
32	Mapping distance-decay of cardiorespiratory disease risk related to neighborhood environments. Environmental Research, 2016, 151, 203-215.	3.7	16
33	Mapping distance-decay of premature mortality attributable to PM2.5-related traffic congestion. Environmental Pollution, 2018, 243, 9-16.	3.7	14
34	Early life exposure to green space and insulin resistance: An assessment from infancy to early adolescence. Environment International, 2020, 142, 105849.	4.8	14
35	Schools exposure to air pollution sources in Brazil: A nationwide assessment of more than 180 thousand schools. Science of the Total Environment, 2021, 763, 143027.	3.9	14
36	Spatio-temporal analysis of particulate matter intake fractions for vehicular emissions: Hourly variation by micro-environments in the Greater Toronto and Hamilton Area, Canada. Science of the Total Environment, 2017, 599-600, 1813-1822.	3.9	13

#	Article	IF	Citations
37	Short-term effects of particle gamma radiation activities on pulmonary function in COPD patients. Environmental Research, 2019, 175, 221-227.	3.7	13
38	Long-term air pollution exposure and incident stroke in American older adults: A national cohort study. Global Epidemiology, 2022, 4, 100073.	0.6	13
39	Neighbourhood scale nitrogen dioxide land use regression modelling with regression kriging in an urban transportation corridor. Atmospheric Environment, 2020, 223, 117218.	1.9	12
40	Prenatal exposure to wildfire-related air pollution and birth defects in Brazil. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 596-603.	1.8	11
41	A spatial multicriteria model for determining air pollution at sample locations. Journal of the Air and Waste Management Association, 2015, 65, 232-243.	0.9	9
42	Ambient particle radioactivity and gestational diabetes: A cohort study of more than 1 million pregnant women in Massachusetts, USA. Science of the Total Environment, 2020, 733, 139340.	3.9	9
43	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
44	Spatiotemporal analysis of traffic emissions in over 5000 municipal districts in Brazil. Journal of the Air and Waste Management Association, 2016, 66, 1284-1293.	0.9	8
45	Particulate matter intake fractions for vehicular emissions at elementary schools in Hamilton, Canada: an assessment of outdoor and indoor exposure. Air Quality, Atmosphere and Health, 2017, 10, 1259-1267.	1.5	8
46	Assessing particulate matter emissions from future electric mobility and potential risk for human health in Canadian metropolitan area. Air Quality, Atmosphere and Health, 2018, 11, 1009-1019.	1.5	8
47	New perspectives in land use mapping based on urban morphology: A case study of the Federal District, Brazil. Land Use Policy, 2019, 87, 104032.	2.5	8
48	Environmental and health impacts of transportation and land use scenarios in 2061. Environmental Research, 2020, 187, 109622.	3.7	8
49	Analyzing Spatial Patterns of Cardiorespiratory Diseases in the Federal District, Brazil. Health, 2015, 07, 1283-1293.	0.1	8
50	A spatiotemporal ensemble model to predict gross beta particulate radioactivity across the contiguous United States. Environment International, 2021, 156, 106643.	4.8	7
51	Modeling spatial distribution of population for environmental epidemiological studies: Comparing the exposure estimates using choropleth versus dasymetric mapping. Environment International, 2018, 119, 152-164.	4.8	6
52	The impact of wildfires on particulate carbon in the western U.S.A. Atmospheric Environment, 2019, 213, 1-10.	1.9	6
53	Birth weight following pregnancy wildfire smoke exposure in more than 1.5 million newborns in Brazil: A nationwide case-control study. The Lancet Regional Health Americas, 2022, 11, 100229.	1.5	6
54	Green areas and studentsâ€™ academic performance in the Federal District, Brazil: An assessment of three greenness metrics. Environmental Research, 2022, 211, 113027.	3.7	6

#	Article	IF	Citations
55	A self-controlled approach to survival analysis, with application to air pollution and mortality. Environment International, 2021, 157, 106861.	4.8	5
56	The impact of long-term weather changes on air quality in Brazil. Atmospheric Environment, 2022, 283, 119182.	1.9	5
57	Where air quality has been impacted by weather changes in the United States over the last 30 years?. Atmospheric Environment, 2020, 224, 117360.	1.9	4
58	Multivariate spatial patterns of ambient PM2.5 elemental concentrations in Eastern Massachusetts. Environmental Pollution, 2019, 252, 1942-1952.	3.7	3
59	Regional air pollution mixtures across the continental US. Atmospheric Environment, 2019, 213, 258-272.	1.9	3
60	Long-term impact of PM2.5 mass and sulfur reductions on ultrafine particle trends in Boston, MA from 1999 to 2018. Journal of the Air and Waste Management Association, 2020, 70, 700-707.	0.9	3
61	A distributed geospatial approach to describe community characteristics for multisite studies. Journal of Clinical and Translational Science, 2021, 5, e86.	0.3	3
62	Nationwide assessment of green spaces around 186,080 schools in Brazil. Cities, 2021, , 103435.	2.7	3
63	Biomonitoramento passivo com casca de aroeira vermelha (Myracrodruon urundeuva Lorenzi Harri) para verificar a variabilidade espacial da poluiÃ§Ã£o atmosfÃ©rica em uma regiÃ£o do Distrito Federal, Brasil. Engenharia Sanitaria E Ambiental, 2014, 19, 453-460.	0.1	2
64	The influence of spatial patterning on modeling PM2.5 constituents in Eastern Massachusetts. Science of the Total Environment, 2019, 682, 247-258.	3.9	2
65	Proximity of schools to roads and studentsâ€™ academic performance: A cross-sectional study in the Federal District, Brazil. Environmental Research, 2021, 202, 111770.	3.7	2
66	Air quality around schools and school-level academic performance in Brazil. Atmospheric Environment, 2022, 279, 119125.	1.9	2
67	The association of maternal exposure to ambient temperature with low birth weight in term pregnancies varies by location: In Brazil, positive associations may occur only in the Amazon region. Environmental Research, 2022, 214, 113923.	3.7	2
68	MODELO DE EMISSÃƒO DE POLUENTES DO TRANSPORTE RODOVIÃRIO INTERMUNICIPAL DE PASSAGEIROS NO ESTADO DE GOIÃS. Revista Internacional De CiÃªncias, 2014, 4, .	0.1	1
69	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
70	O comportamento espacial e temporal das queimadas no Brasil: um estudo nas regiÃµes mais crÃticas no perÃodo de 2000 a 2010 / The spatial and temporal behavior of burned in Brazil: a study in the most critical regions in the period 2000 to 2010. AmbiÃªncia, 2013, 9, 313-322.	0.1	0
71	AVALIAÃ‡ÃƒO ESPACIAL ENTRE POLUIÃ‡ÃƒO DO AR E SAÃšDE EM ÃREAS COM LIMITAÃ‡ÃƒO DE DADOS. Boletim De Ciencias Geodesicas, 2016, 22, 807-821.	0.2	0