Lucas R F Henneman

List of Publications by Year
in descending order

33	669	567281 15	580821 25
papers	citations	h-index	g-index

36	36	36	870
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Racial/Ethnic Disparities in Nationwide PM2.5 Concentrations: Perils of Assuming a Linear Relationship. Environmental Health Perspectives, 2022, 130, .	6.0	8
2	Comparisons of simple and complex methods for quantifying exposure to individual point source air pollution emissions. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 654-663.	3.9	15
3	Four Decades of United States Mobile Source Pollutants: Spatialâ€“Temporal Trends Assessed by Ground-Based Monitors, Air Quality Models, and Satellites. Environmental Science & Technology, 2021, 55, 882-892.	10.0	17
4	Association between county-level coal-fired power plant pollution and racial disparities in preterm births from 2000 to 2018. Environmental Research Letters, 2021, 16, 034055.	5.2	10
5	Forty years of road transport NOX emissions reductions in the contiguous United States: an environmental justice analysis. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
6	Association between county-level coal-fired power plant pollution and racial disparities in preterm births from 2000 to 2018. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
7	Differential impacts of COVID-19 lockdowns on PM<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2.5</mml:mn></mml:mrow></mml:msub></mml:math> across the United States. Environmental Advances, 2021, 6, 100122.	4.8	5
8	Counterfactual time series analysis of short-term change in air pollution following the COVID-19 state of emergency in the United States. Scientific Reports, 2021, 11, 23517.	3.3	11
9	Coal-fired power plant closures and retrofits reduce asthma morbidity in the local population. Nature Energy, 2020, 5, 365-366.	39.5	7
10	Improved asthma outcomes observed in the vicinity of coal power plant retirement, retrofit and conversion to natural gas. Nature Energy, 2020, 5, 398-408.	39.5	27
11	Quantifying the impact of daily mobility on errors in air pollution exposure estimation using mobile phone location data. Environment International, 2020, 141, 105772.	10.0	30
12	Health Effects of Power Plant Emissions Through Ambient Air Quality. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 1677-1703.	1.1	12
13	Ozone in the Eastern United States: Production Efficiency Variability Over Time and Between Sources. Springer Proceedings in Complexity, 2020, , 9-15.	0.3	1
14	Posterior predictive treatment assignment methods for causal inference in the context of time-varying treatments. Epidemiologic Methods, 2020, 9, .	0.9	0
15	Air pollution accountability of energy transitions: the relative importance of point source emissions and wind fields in exposure changes. Environmental Research Letters, 2019, 14, 115003.	5.2	7
16	Relaxing Energy Policies Coupled with Climate Change Will Significantly Undermine Efforts to Attain US Ozone Standards. One Earth, 2019, 1, 229-239.	6.8	13
17	Characterizing population exposure to coal emissions sources in the United States using the HyADS model. Atmospheric Environment, 2019, 203, 271-280.	4.1	24
18	On the accuracy and potential of Google Maps location history data to characterize individual mobility for air pollution health studies. Environmental Pollution, 2019, 252, 924-930.	7.5	21

#	Article	IF	Citations
19	Impact of air pollution control policies on cardiorespiratory emergency department visits, Atlanta, GA, 1999â€“2013. Environment International, 2019, 126, 627-634.	10.0	13
20	Air quality accountability: Developing long-term daily time series of pollutant changes and uncertainties in Atlanta, Georgia resulting from the 1990 Clean Air Act Amendments. Environment International, 2019, 123, 522-534.	10.0	12
21	Empirical Development of Ozone Isopleths: Applications to Los Angeles. Environmental Science and Technology Letters, 2019, 6, 294-299.	8.7	25
22	Accountability Assessment of Health Improvements in the United States Associated with Reduced Coal Emissions Between 2005 and 2012. Epidemiology, 2019, 30, 477-485.	2.7	33
23	Energy Policy, Air Quality, and Climate Mitigation in South Africa: The Case for Integrated Assessment. , 2018, , 113-138.		2
24	Linked Response of Aerosol Acidity and Ammonia to SO₂ and NO_x Emissions Reductions in the United States. Environmental Science & Technology, 2018, 52, 9861-9873.	10.0	38
25	Air quality modeling for accountability research: Operational, dynamic, and diagnostic evaluation. Atmospheric Environment, 2017, 166, 551-565.	4.1	27
26	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.	10.0	16
27	Accountability assessment of regulatory impacts on ozone and PM2.5 concentrations using statistical and deterministic pollutant sensitivities. Air Quality, Atmosphere and Health, 2017, 10, 695-711.	3.3	15
28	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.	1.9	62
29	Assessing emissions levels and costs associated with climate and air pollution policies in South Africa. Energy Policy, 2016, 89, 160-170.	8.8	29
30	A policy review of synergies and trade-offs in South African climate change mitigation and air pollution control strategies. Environmental Science and Policy, 2016, 57, 70-78.	4.9	42
31	Meteorological detrending of primary and secondary pollutant concentrations: Method application and evaluation using long-term (2000â€“2012) data in Atlanta. Atmospheric Environment, 2015, 119, 201-210.	4.1	58
32	Bayesian Belief Networks for predicting drinking water distribution system pipe breaks. Reliability Engineering and System Safety, 2014, 130, 1-11.	8.9	82
33	A Mechanistic Model of Annual Sulfate Concentrations in the United States. Journal of the American Statistical Association, 0, , 1-34.	3.1	3