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	Bayesian Belief Networks for predicting drinking water distribution system pipe breaks. Reliability Engineering and System Safety, 2014, 130, 1-11.	8.9	82
2	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
3	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
4	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
5	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
6	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
7	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
8	Assessing emissions levels and costs associated with climate and air pollution policies in South Africa. Energy Policy, 2016, 89, 160-170.	8.8	29
9	Air quality modeling for accountability research: Operational, dynamic, and diagnostic evaluation. Atmospheric Environment, 2017, 166, 551-565.	4.1	27
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	Empirical Development of Ozone Isopleths: Applications to Los Angeles. Environmental Science and Technology Letters, 2019, 6, 294-299.	8.7	25
12	Characterizing population exposure to coal emissions sources in the United States using the HyADS model. Atmospheric Environment, 2019, 203, 271-280.	4.1	24
13	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
14	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
15	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
16	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
17	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
18	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

#	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	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
22	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
23	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
24	Racial/Ethnic Disparities in Nationwide PM2.5 Concentrations: Perils of Assuming a Linear Relationship. Environmental Health Perspectives, 2022, 130, .	6.0	8
25	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
26	Coal-fired power plant closures and retrofits reduce asthma morbidity in the local population. Nature Energy, 2020, 5, 365-366.	39.5	7
27	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
28	A Mechanistic Model of Annual Sulfate Concentrations in the United States. Journal of the American Statistical Association, 0, , 1-34.	3.1	3
29	Energy Policy, Air Quality, and Climate Mitigation in South Africa: The Case for Integrated Assessment. , 2018, , 113-138.		2
30	Ozone in the Eastern United States: Production Efficiency Variability Over Time and Between Sources. Springer Proceedings in Complexity, 2020, , 9-15.	0.3	1
31	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
32	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
33	Posterior predictive treatment assignment methods for causal inference in the context of time-varying treatments. Epidemiologic Methods, 2020, 9, .	0.9	0