Naomi Zimmerman

List of Publications by Year
in descending order

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28	1,244	430754	552653
papers	citations	18 h-index	26 g-index

36	36	36	1611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tutorial: Guidelines for implementing low-cost sensor networks for aerosol monitoring. Journal of Aerosol Science, 2022, 159, 105872.	1.8	28
2	Cannabis Cultivation Facilities: A Review of Their Air Quality Impacts from the Occupational to Community Scale. Environmental Science & Technology, 2022, 56, 2880-2896.	4.6	6
3	Fleet-based vehicle emission factors using low-cost sensors: Case study in parking garages. Transportation Research, Part D: Transport and Environment, 2021, 91, 102635.	3.2	10
4	Elucidating the community health impacts of odours using citizen science and mobile monitoring. Environmental Health Review, 2021, 64, 24-27.	0.7	5
5	Spatial Modeling of Daily PM_{2.5}, NO₂, and CO Concentrations Measured by a Low-Cost Sensor Network: Comparison of Linear, Machine Learning, and Hybrid Land Use Models. Environmental Science & Technology, 2021, 55, 8631-8641.	4.6	37
6	Impact of Spatiotemporal Factors on Exposure to PM2.5 as Residents move between Residential, Commercial and Recreational areas. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
7	Spatial variations in urban air pollution: impacts of diesel bus traffic and restaurant cooking at small scales. Air Quality, Atmosphere and Health, 2021, 14, 2059-2072.	1.5	9
8	Using Low-Cost Sensors to Assess Fine Particulate Matter Infiltration (PM2.5) during a Wildfire Smoke Episode at a Large Inpatient Healthcare Facility. International Journal of Environmental Research and Public Health, 2021, 18, 9811.	1.2	14
9	Air quality and greenhouse gas implications of autonomous vehicles in Vancouver, Canada. Transportation Research, Part D: Transport and Environment, 2021, 90, 102676.	3.2	25
10	Improving Correlations between Land Use and Air Pollutant Concentrations Using Wavelet Analysis: Insights from a Low-cost Sensor Network. Aerosol and Air Quality Research, 2020, 20, 314-328.	0.9	16
11	Development of a general calibration model and long-term performance evaluation of low-cost sensors for air pollutant gas monitoring. Atmospheric Measurement Techniques, 2019, 12, 903-920.	1.2	102
12	Spatially dense air pollutant sampling: Implications of spatial variability on the representativeness of stationary air pollutant monitors. Atmospheric Environment: X, 2019, 2, 100012.	0.8	48
13	Quantifying high-resolution spatial variations and local source impacts of urban ultrafine particle concentrations. Science of the Total Environment, 2019, 655, 473-481.	3.9	54
14	Carbonaceous aerosol sampling of gasoline direct injection engine exhaust with an integrated organic gas and particle sampler. Science of the Total Environment, 2019, 652, 1261-1269.	3.9	4
15	Real world vehicle fleet emission factors: Seasonal and diurnal variations in traffic related air pollutants. Atmospheric Environment, 2018, 184, 77-86.	1.9	34
16	Methane Emissions from Natural Gas Production Sites in the United States: Data Synthesis and National Estimate. Environmental Science & Technology, 2018, 52, 12915-12925.	4.6	83
17	Reduced Ultrafine Particle Concentration in Urban Air: Changes in Nucleation and Anthropogenic Emissions. Environmental Science & Technology, 2018, 52, 6798-6806.	4.6	29
18	A machine learning calibration model using random forests to improve sensor performance for lower-cost air quality monitoring. Atmospheric Measurement Techniques, 2018, 11, 291-313.	1.2	312

#	Article	IF	Citations
19	Comparison of Airway Responses Induced in a Mouse Model by the Gas and Particulate Fractions of Gasoline Direct Injection Engine Exhaust. International Journal of Environmental Research and Public Health, 2018, 15, 429.	1.2	6
20	Real-World Emission of Particles from Vehicles: Volatility and the Effects of Ambient Temperature. Environmental Science & Technology, 2017, 51, 4081-4090.	4.6	34
21	Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions. Science of the Total Environment, 2016, 568, 1102-1109.	3.9	23
22	Assessing the Climate Trade-Offs of Gasoline Direct Injection Engines. Environmental Science & Technology, 2016, 50, 8385-8392.	4.6	45
23	Field Measurements of Gasoline Direct Injection Emission Factors: Spatial and Seasonal Variability. Environmental Science & Technology, 2016, 50, 2035-2043.	4.6	59
24	Lightâ€absorbing properties of ambient black carbon and brown carbon from fossil fuel and biomass burning sources. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6619-6633.	1.2	98
25	Plume-based analysis of vehicle fleet air pollutant emissions and the contribution from high emitters. Atmospheric Measurement Techniques, 2015, 8, 3263-3275.	1.2	55
26	A source-independent empirical correction procedure for the fast mobility and engine exhaust particle sizers. Atmospheric Environment, 2015, 100, 178-184.	1.9	40
27	Comparison of three nanoparticle sizing instruments: The influence of particle morphology. Atmospheric Environment, 2014, 86, 140-147.	1.9	52
28	Spatially-Resolved Thermal Degradation Induced Temperature Pattern Changes along a Commercial Lean NOX Trap Catalyst. SAE International Journal of Fuels and Lubricants, 2010, 3, 723-732.	0.2	1