Joshua S Apte

List of Publications by Year
in descending order

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69 papers	7,699 citations	101384 36 h-index	95083 68 g-index
92 all docs	92 docs citations	92 times ranked	8340 citing authors

#	Article	IF	Citations
1	Hyper-localized measures of air pollution and risk of preterm birth in Oakland and San Jose, California. International Journal of Epidemiology, 2022, 50, 1875-1885.	0.9	10
2	Global urban temporal trends in fine particulate matter (PM2Â·5) and attributable health burdens: estimates from global datasets. Lancet Planetary Health, The, 2022, 6, e139-e146.	5.1	159
3	An Early Career Perspective on the Opportunities and Challenges of Team Science. Environmental Science & Technology, 2022, 56, 1478-1481.	4.6	1
4	Historical Redlining Is Associated with Present-Day Air Pollution Disparities in U.S. Cities. Environmental Science and Technology Letters, 2022, 9, 345-350.	3.9	162
5	Insights from application of a hierarchical spatio-temporal model to an intensive urban black carbon monitoring dataset. Atmospheric Environment, 2022, 277, 119069.	1.9	3
6	Ammonium Chloride Associated Aerosol Liquid Water Enhances Haze in Delhi, India. Environmental Science & Technology, 2022, 56, 7163-7173.	4.6	21
7	Global, high-resolution, reduced-complexity air quality modeling for PM2.5 using InMAP (Intervention) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	11
8	A human exposure-based traffic assignment model for minimizing fine particulate matter (PM_{2.5}) intake from on-road vehicle emissions. Environmental Research Letters, 2022, 17, 074034.	2.2	5
9	Global Endeavors to Address the Health Effects of Urban Air Pollution. Environmental Science & Technology, 2022, 56, 6793-6798.	4.6	14
10	Association between traffic related air pollution exposure and direct health care costs in Northern California. Atmospheric Environment, 2022, 287, 119271.	1.9	1
11	Estimation of real-time brown carbon absorption: An observationally constrained Mie theory-based optimization method. Journal of Aerosol Science, 2022, 166, 106047.	1.8	2
12	Assessing the Distribution of Air Pollution Health Risks within Cities: A Neighborhood-Scale Analysis Leveraging High-Resolution Data Sets in the Bay Area, California. Environmental Health Perspectives, 2021, 129, 37006.	2.8	40
13	PM _{2.5} polluters disproportionately and systemically affect people of color in the United States. Science Advances, 2021, 7, .	4.7	286
14	Changes in criteria air pollution levels in the US before, during, and after Covid-19 stay-at-home orders: Evidence from regulatory monitors. Science of the Total Environment, 2021, 769, 144693.	3.9	52
15	Persistence of Primary and Secondary Pollutants in Delhi: Concentrations and Composition from 2017 through the COVID Pandemic. Environmental Science and Technology Letters, 2021, 8, 492-497.	3.9	11
16	Wildfire smoke impacts on indoor air quality assessed using crowdsourced data in California. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	78
17	Local- and regional-scale racial and ethnic disparities in air pollution determined by long-term mobile monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	57
18	Sources and Dynamics of Submicron Aerosol during the Autumn Onset of the Air Pollution Season in Delhi, India. ACS Earth and Space Chemistry, 2021, 5, 118-128.	1.2	27

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19	Spatiotemporal profiles of ultrafine particles differ from other traffic-related air pollutants: lessons from long-term measurements at fixed sites and mobile monitoring. Environmental Science Atmospheres, 2021, 1, 558-568.	0.9	10
20	Hyperlocalized Measures of Air Pollution and Preeclampsia in Oakland, California. Environmental Science & Technology, 2021, 55, 14710-14719.	4.6	15
21	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. Environmental Science and Technology Letters, 2020, 7, 639-645.	3.9	64
22	Global Estimates and Long-Term Trends of Fine Particulate Matter Concentrations (1998â€“2018). Environmental Science & Technology, 2020, 54, 7879-7890.	4.6	431
23	Comparison of Mobile and Fixed-Site Black Carbon Measurements for High-Resolution Urban Pollution Mapping. Environmental Science & Technology, 2020, 54, 7848-7857.	4.6	28
24	Effect of aerosol composition on the performance of low-cost optical particle counter correction factors. Atmospheric Measurement Techniques, 2020, 13, 1181-1193.	1.2	56
25	Air mass physiochemical characteristics over New Delhi: impacts on aerosol hygroscopicity and cloud condensation nuclei (CCN) formation. Atmospheric Chemistry and Physics, 2020, 20, 6953-6971.	1.9	32
26	Moving beyond Fine Particle Mass: High-Spatial Resolution Exposure to Source-Resolved Atmospheric Particle Number and Chemical Mixing State. Environmental Health Perspectives, 2020, 128, 17009.	2.8	16
27	Socio-economic disparities in exposure to urban restaurant emissions are larger than for traffic. Environmental Research Letters, 2020, 15, 114039.	2.2	21
28	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
29	Sources and atmospheric dynamics of organic aerosol in New Delhi, India: insights from receptor modeling. Atmospheric Chemistry and Physics, 2020, 20, 735-752.	1.9	44
30	Particle number concentrations and size distribution in a polluted megacity: the Delhi Aerosol Supersite study. Atmospheric Chemistry and Physics, 2020, 20, 8533-8549.	1.9	30
31	PM2.5 and ozone air pollution levels have not dropped consistently across the US following societal covid response. ISEE Conference Abstracts, 2020, 2020, .	0.0	3
32	Particulate matter-attributable mortality and relationships with carbon dioxide in 250 urban areas worldwide. Scientific Reports, 2019, 9, 11552.	1.6	89
33	Land-Use Regression Modeling of Source-Resolved Fine Particulate Matter Components from Mobile Sampling. Environmental Science & Technology, 2019, 53, 8925-8937.	4.6	29
34	The association of early-life exposure to ambient PM2.5 and later-childhood height-for-age in India: an observational study. Environmental Health, 2019, 18, 62.	1.7	53
35	Inferring Aerosol Sources from Low-Cost Air Quality Sensor Measurements: A Case Study in Delhi, India. Environmental Science and Technology Letters, 2019, 6, 467-472.	3.9	34
36	Submicron aerosol composition in the world's most polluted megacity: the Delhi Aerosol Supersite study. Atmospheric Chemistry and Physics, 2019, 19, 6843-6859.	1.9	133

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37	Global Effect Factors for Exposure to Fine Particulate Matter. Environmental Science & Technology, 2019, 53, 6855-6868.	4.6	49
38	Urban Ultrafine Particle Exposure Assessment with Land-Use Regression: Influence of Sampling Strategy. Environmental Science & Technology, 2019, 53, 7326-7336.	4.6	33
39	Toward cleaner air for a billion Indians. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10614-10616.	3.3	34
40	Inequity in consumption of goods and services adds to racialâ€“ethnic disparities in air pollution exposure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6001-6006.	3.3	349
41	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
42	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
43	High-spatial-resolution mapping and source apportionment of aerosol composition in Oakland, California, using mobile aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2018, 18, 16325-16344.	1.9	46
44	Mapping Air Pollution with Google Street View Cars: Efficient Approaches with Mobile Monitoring and Land Use Regression. Environmental Science & Technology, 2018, 52, 12563-12572.	4.6	103
45	Intra-city variability of PM exposure is driven by carbonaceous sources and correlated with land use variables. Environmental Science & Technology, 2018, 52, 11545-11554.	4.6	29
46	Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9592-9597.	3.3	1,407
47	Reduced Ultrafine Particle Concentration in Urban Air: Changes in Nucleation and Anthropogenic Emissions. Environmental Science & Technology, 2018, 52, 6798-6806.	4.6	29
48	Spatial Variability of Sources and Mixing State of Atmospheric Particles in a Metropolitan Area. Environmental Science & Technology, 2018, 52, 6807-6815.	4.6	42
49	Effect of Model Spatial Resolution on Estimates of Fine Particulate Matter Exposure and Exposure Disparities in the United States. Environmental Science and Technology Letters, 2018, 5, 436-441.	3.9	54
50	Restaurant Impacts on Outdoor Air Quality: Elevated Organic Aerosol Mass from Restaurant Cooking with Neighborhood-Scale Plume Extents. Environmental Science & Technology, 2018, 52, 9285-9294.	4.6	61
51	High-resolution mapping of traffic related air pollution with Google street view cars and incidence of cardiovascular events within neighborhoods in Oakland, CA. Environmental Health, 2018, 17, 38.	1.7	78
52	Ambient PM_{2.5} Reduces Global and Regional Life Expectancy. Environmental Science and Technology Letters, 2018, 5, 546-551.	3.9	322
53	Integrating Spatiotemporal Variability and Modifiable Factors into Air Pollution Estimates. ISEE Conference Abstracts, 2018, 2018, .	0.0	1
54	Large reductions in urban black carbon concentrations in the United States between 1965 and 2000. Atmospheric Environment, 2017, 151, 17-23.	1.9	23

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55	High-Resolution Air Pollution Mapping with Google Street View Cars: Exploiting Big Data. Environmental Science & Technology, 2017, 51, 6999-7008.	4.6	474
56	Characterizing Aggregated Exposure to Primary Particulate Matter: Recommended Intake Fractions for Indoor and Outdoor Sources. Environmental Science & Technology, 2017, 51, 9089-9100.	4.6	61
57	Ambient Air Pollution Exposure Estimation for the Global Burden of Disease 2013. Environmental Science & Technology, 2016, 50, 79-88.	4.6	886
58	Blue Skies Bluer?. Environmental Science & Technology, 2015, 49, 13929-13936.	4.6	29
59	Addressing Global Mortality from Ambient PM_{2.5}. Environmental Science & Technology, 2015, 49, 8057-8066.	4.6	730
60	Measurement of black carbon emissions from in-use diesel-electric passenger locomotives in California. Atmospheric Environment, 2015, 115, 295-303.	1.9	14
61	Populations potentially exposed to traffic-related air pollution in seven world cities. Environment International, 2015, 78, 82-89.	4.8	51
62	Health effects of fine particulate matter in life cycle impact assessment: findings from the Basel Guidance Workshop. International Journal of Life Cycle Assessment, 2015, 20, 276-288.	2.2	65
63	Air Pollution in the Mega-cities. Current Environmental Health Reports, 2014, 1, 185-191.	3.2	70
64	Spatiotemporal Land Use Regression Models of Fine, Ultrafine, and Black Carbon Particulate Matter in New Delhi, India. Environmental Science & Technology, 2013, 47, 12903-12911.	4.6	122
65	Global Intraurban Intake Fractions for Primary Air Pollutants from Vehicles and Other Distributed Sources. Environmental Science & Technology, 2012, 46, 3415-3423.	4.6	105
66	Modeling air pollutant emissions from Indian auto-rickshaws: Model development and implications for fleet emission rate estimates. Atmospheric Environment, 2012, 50, 148-156.	1.9	26
67	Reduce growth rate of light-duty vehicle travel to meet 2050 global climate goals. Environmental Research Letters, 2011, 6, 024018.	2.2	27
68	Concentrations of fine, ultrafine, and black carbon particles in auto-rickshaws in New Delhi, India. Atmospheric Environment, 2011, 45, 4470-4480.	1.9	173
69	Towards a very low-energy building stock: modelling the US commercial building sector to support policy and innovation planning. Building Research and Information, 2009, 37, 610-624.	2.0	35