Patricia Krecl

List of Publications by Year
in descending order

37 papers	1,226 citations	331538 21 h-index	395590 33 g-index
38 all docs	38 docs citations	38 times ranked	1847 citing authors

#	Article	IF	Citations
1	South East Pacific atmospheric composition and variability sampled along 20Â° S during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 5237-5262.	1.9	119
2	Hotspots of black carbon and PM2.5 in an urban area and relationships to traffic characteristics. Environmental Pollution, 2016, 218, 475-486.	3.7	97
3	Trends in black carbon and size-resolved particle number concentrations and vehicle emission factors under real-world conditions. Atmospheric Environment, 2017, 165, 155-168.	1.9	75
4	Drop in urban air pollution from COVID-19 pandemic: Policy implications for the megacity of SÃ£o Paulo. Environmental Pollution, 2020, 265, 114883.	3.7	69
5	Determination of black carbon, PM2.5, particle number and NOx emission factors from roadside measurements and their implications for emission inventory development. Atmospheric Environment, 2018, 186, 229-240.	1.9	61
6	Fine-scale modeling of the urban heat island: A comparison of multiple linear regression and random forest approaches. Science of the Total Environment, 2022, 815, 152836.	3.9	61
7	Contribution of residential wood combustion and other sources to hourly winter aerosol in Northern Sweden determined by positive matrix factorization. Atmospheric Chemistry and Physics, 2008, 8, 3639-3653.	1.9	57
8	Carbon content of atmospheric aerosols in a residential area during the wood combustion season in Sweden. Atmospheric Environment, 2007, 41, 6974-6985.	1.9	52
9	Analysis of the urban heat island under different synoptic patterns using local climate zones. Building and Environment, 2020, 185, 107268.	3.0	52
10	Source apportionment of elevated wintertime PAHs by compound-specific radiocarbon analysis. Atmospheric Chemistry and Physics, 2009, 9, 3347-3356.	1.9	45
11	Commuter exposure to black carbon particles on diesel buses, on bicycles and on foot: a case study in a Brazilian city. Environmental Science and Pollution Research, 2018, 25, 1132-1146.	2.7	40
12	Open waste burning causes fast and sharp changes in particulate concentrations in peripheral neighborhoods. Science of the Total Environment, 2021, 765, 142736.	3.9	32
13	Surface ozone climatology of South Eastern Brazil and the impact of biomass burning events. Journal of Environmental Management, 2019, 252, 109645.	3.8	31
14	Retrieving the vertical distribution of stratospheric OClO from Odin/OSIRIS limb-scattered sunlight measurements. Atmospheric Chemistry and Physics, 2006, 6, 1879-1894.	1.9	29
15	Diurnal variation of atmospheric aerosol during the wood combustion season in Northern Sweden. Atmospheric Environment, 2008, 42, 4113-4125.	1.9	28
16	Characterisation and Source Apportionment of Submicron Particle Number Size Distributions in a Busy Street Canyon. Aerosol and Air Quality Research, 2015, 15, 220-233.	0.9	28
17	Local and Regional Contributions to Black Carbon Aerosols in a Mid-Sized City in Southern Brazil. Aerosol and Air Quality Research, 2016, 16, 125-137.	0.9	27
18	Cyclists' exposure to air pollution under different traffic management strategies. Science of the Total Environment, 2020, 723, 138043.	3.9	26

#	Article	IF	Citations
19	Screening of short-lived climate pollutants in a street canyon in a mid-sized city in Brazil. Atmospheric Pollution Research, 2016, 7, 1022-1036.	1.8	25
20	Variations in individualsâ€™ exposure to black carbon particles during their daily activities: a screening study in Brazil. Environmental Science and Pollution Research, 2018, 25, 18412-18423.	2.7	25
21	Modelling urban cyclists' exposure to black carbon particles using high spatiotemporal data: A statistical approach. Science of the Total Environment, 2019, 679, 115-125.	3.9	25
22	Bus commuter exposure and the impact of switching from diesel to biodiesel for routes of complex urban geometry. Environmental Pollution, 2020, 263, 114601.	3.7	23
23	Spatiotemporal distribution of light-absorbing carbon and its relationship to other atmospheric pollutants in Stockholm. Atmospheric Chemistry and Physics, 2011, 11, 11553-11567.	1.9	21
24	Green or blue spaces? Assessment of the effectiveness and costs to mitigate the urban heat island in a Latin American city. Theoretical and Applied Climatology, 2019, 136, 971-984.	1.3	20
25	Spatial variability of on-bicycle black carbon concentrations in the megacity of SÃ£o Paulo: A pilot study. Environmental Pollution, 2018, 242, 539-543.	3.7	18
26	Concentrations and personal exposure to black carbon particles at airports and on commercial flights. Transportation Research, Part D: Transport and Environment, 2017, 52, 128-138.	3.2	17
27	A feasibility study of mapping light-absorbing carbon using a taxi fleet as a mobile platform. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 23533.	0.8	16
28	Potential to reduce the concentrations of short-lived climate pollutants in traffic environments: A case study in a medium-sized city in Brazil. Transportation Research, Part D: Transport and Environment, 2019, 69, 51-65.	3.2	15
29	Spatio-temporal variability of airborne particulate matter in the SÃ£o Paulo subway. Building and Environment, 2021, 189, 107526.	3.0	15
30	An integrated assessment of the impacts of PM2.5 and black carbon particles on the air quality of a large Brazilian city. Air Quality, Atmosphere and Health, 2021, 14, 1455-1473.	1.5	15
31	Long-term trends in nitrogen oxides concentrations and on-road vehicle emission factors in Copenhagen, London and Stockholm. Environmental Pollution, 2021, 290, 118105.	3.7	15
32	Quantifying variation in occupational air pollution exposure within a small metropolitan region of Brazil. Atmospheric Environment, 2018, 182, 138-154.	1.9	14
33	Effects of the large-scale atmospheric circulation on the onset and strength of urban heat islands: a case study. Theoretical and Applied Climatology, 2014, 117, 73-87.	1.3	13
34	Spatiotemporal Variability of Light-Absorbing Carbon Concentration in a Residential Area Impacted by Woodsmoke. Journal of the Air and Waste Management Association, 2010, 60, 356-368.	0.9	8
35	Compilation of a city-scale black carbon emission inventory: Challenges in developing countries based on a case study in Brazil. Science of the Total Environment, 2022, 839, 156332.	3.9	8
36	Ubiquity of hazardous airborne substances on passenger ferries. Journal of Hazardous Materials, 2022, 423, 127133.	6.5	2

#	Article	IF	Citations
37	Particulate exposure onboard ferryboats and relationships with environmental conditions and engine maintenance. Transportation Research, Part D: Transport and Environment, 2020, 89, 102602.	3.2	0