

Erika von Schneidemesser

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,158
citations

331259

21
h-index

276539

41
g-index

55
all docs

55
docs citations

55
times ranked

4925
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8889-8973.	1.9	942
2	Chemistry and the Linkages between Air Quality and Climate Change. <i>Chemical Reviews</i> , 2015, 115, 3856-3897.	23.0	315
3	A method for the analysis of ultra-trace levels of semi-volatile and non-volatile organic compounds in snow and application to a Greenland snow pit. <i>Polar Science</i> , 2008, 2, 251-266.	0.5	291
4	Global comparison of VOC and CO observations in urban areas. <i>Atmospheric Environment</i> , 2010, 44, 5053-5064.	1.9	175
5	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. <i>Elementa</i> , 2017, 5, .	1.1	172
6	Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. <i>Elementa</i> , 2018, 6, .	1.1	167
7	Toxic metals in the atmosphere in Lahore, Pakistan. <i>Science of the Total Environment</i> , 2010, 408, 1640-1648.	3.9	136
8	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , 2021, 157, 106818.	4.8	126
9	Air pollution: Clean up our skies. <i>Nature</i> , 2014, 515, 335-337.	13.7	99
10	Mixing layer height as an indicator for urban air quality?. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2969-2988.	1.2	80
11	Analysis of long-term observations of NO _x and CO in megacities and application to constraining emissions inventories. <i>Geophysical Research Letters</i> , 2016, 43, 9920-9930.	1.5	69
12	Air pollution at human scales in an urban environment: Impact of local environment and vehicles on particle number concentrations. <i>Science of the Total Environment</i> , 2019, 688, 691-700.	3.9	62
13	Long-term monitoring of black carbon across Germany. <i>Atmospheric Environment</i> , 2018, 185, 41-52.	1.9	44
14	How important is biogenic isoprene in an urban environment? A study in London and Paris. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	41
15	Concentrations and sources of carbonaceous aerosol in the atmosphere of Summit, Greenland. <i>Atmospheric Environment</i> , 2009, 43, 4155-4162.	1.9	39
16	Top-down quantification of NO _x emissions from traffic in an urban area using a high-resolution regional atmospheric chemistry model. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8203-8225.	1.9	39
17	An assessment of perceptions of air quality surrounding the implementation of a traffic-reduction measure in a local urban environment. <i>Sustainable Cities and Society</i> , 2018, 41, 525-537.	5.1	36
18	Sustainable policy key considerations for air quality and climate change. <i>Current Opinion in Environmental Sustainability</i> , 2016, 23, 85-91.	3.1	31

#	ARTICLE	IF	CITATIONS
19	Seasonal and spatial trends in the sources of fine particle organic carbon in Israel, Jordan, and Palestine. <i>Atmospheric Environment</i> , 2010, 44, 3669-3678.	1.9	29
20	Impact of vegetative emissions on urban ozone and biogenic secondary organic aerosol: Box model study for Berlin, Germany. <i>Journal of Cleaner Production</i> , 2018, 176, 827-841.	4.6	26
21	BAERLIN2014 "the influence of land surface types on and the horizontal heterogeneity of air pollutant levels in Berlin. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7785-7811.	1.9	25
22	Air quality and climate " synergies and trade-offs. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1315.	1.7	24
23	An Integrated Assessment Method for Sustainable Transport System Planning in a Middle Sized German City. <i>Sustainability</i> , 2015, 7, 1329-1354.	1.6	21
24	Variation of the NMVOC speciation in the solvent sector and the sensitivity of modelled tropospheric ozone. <i>Atmospheric Environment</i> , 2016, 135, 59-72.	1.9	20
25	Potential reductions in ambient NO ₂ concentrations from meeting diesel vehicle emissions standards. <i>Environmental Research Letters</i> , 2017, 12, 114025.	2.2	18
26	Analysis of the distributions of hourly NO ₂ concentrations contributing to annual average NO ₂ concentrations across the European monitoring network between 2000 and 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3563-3587.	1.9	16
27	How will air quality effects on human health, crops and ecosystems change in the future?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190330.	1.6	15
28	Spatial Variability of Carbonaceous Aerosol Concentrations in East and West Jerusalem. <i>Environmental Science & Technology</i> , 2010, 44, 1911-1917.	4.6	14
29	New Directions: Support for integrated decision-making in air and climate policies " Development of a metrics-based information portal. <i>Atmospheric Environment</i> , 2014, 90, 146-148.	1.9	13
30	Learning from the COVID-19 lockdown in Berlin: Observations and modelling to support understanding policies to reduce NO ₂ . <i>Atmospheric Environment: X</i> , 2021, 12, 100122.	0.8	11
31	Determinants of Public Acceptance for Traffic-Reducing Policies to Improve Urban Air Quality. <i>Sustainability</i> , 2019, 11, 3991.	1.6	10
32	Climate change and air pollution: the connection between traffic intervention policies and public acceptance in a local context. <i>Environmental Research Letters</i> , 2019, 14, 085008.	2.2	10
33	Do new bike lanes impact air pollution exposure for cyclists?" a case study from Berlin. <i>Environmental Research Letters</i> , 2021, 16, 084031.	2.2	7
34	Prepare Scientists to Engage in Science-Policy. <i>Earth's Future</i> , 2020, 8, e2020EF001628.	2.4	6
35	Unravelling a black box: an open-source methodology for the field calibration of small air quality sensors. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7221-7241.	1.2	6
36	BAERLIN2014 " stationary measurements and source apportionment at an urban background station in Berlin, Germany. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8621-8645.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Opinion: Papers that shaped tropospheric chemistry. Atmospheric Chemistry and Physics, 2021, 21, 12909-12948.	1.9	4
38	Measurement of loss rates of organic compounds in snow using in situ experiments and isotopically labelled compounds. Polar Research, 2012, 31, 11597.	1.6	3
39	Mixing layer height measurements determines influence of meteorology on air pollutant concentrations in urban area. , 2015, , .		2
40	A survey on the perceived need and value of decision-support tools for joint mitigation of air pollution and climate change in cities. Elementa, 2017, 5, .	1.1	2
41	Building Interfaces That Work: A Multi-stakeholder Approach to Air Pollution and Climate Change Mitigation. Advances in Natural and Technological Hazards Research, 2016, , 65-76.	1.1	1
42	APExpose_DE, an air quality exposure dataset for Germany 2010â€“2019. Scientific Data, 2021, 8, 287.	2.4	1
43	Global Change and Urban Atmospheres, Introduction. , 2014, , 417-423.		0
44	Can somebody clear the air? How air quality and climate change are connected.. Climanosco Research Articles, 2016, , .	0.5	0