Erika von Schneidemesser

List of Publications by Year
in descending order

44	3,158	331670 21	276875 41
papers	citations	h-index	g-index

55	55	55	4925
all docs	docs citations	times ranked	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. Atmospheric Chemistry and Physics, 2015, 15, 8889-8973.	4.9	942
2	Chemistry and the Linkages between Air Quality and Climate Change. Chemical Reviews, 2015, 115, 3856-3897.	47.7	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. Polar Science, 2008, 2, 251-266.	1.2	291
4	Global comparison of VOC and CO observations in urban areas. Atmospheric Environment, 2010, 44, 5053-5064.	4.1	175
5	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. Elementa, 2017, 5, .	3.2	172
6	Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. Elementa, 2018, 6, .	3.2	167
7	Toxic metals in the atmosphere in Lahore, Pakistan. Science of the Total Environment, 2010, 408, 1640-1648.	8.0	136
8	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. Environment International, 2021, 157, 106818.	10.0	126
9	Air pollution: Clean up our skies. Nature, 2014, 515, 335-337.	27.8	99
10	Mixing layer height as an indicator for urban air quality?. Atmospheric Measurement Techniques, 2017, 10, 2969-2988.	3.1	80
11	Analysis of longâ€term observations of NO_x and CO in megacities and application to constraining emissions inventories. Geophysical Research Letters, 2016, 43, 9920-9930.	4.0	69
12	Air pollution at human scales in an urban environment: Impact of local environment and vehicles on particle number concentrations. Science of the Total Environment, 2019, 688, 691-700.	8.0	62
13	Long-term monitoring of black carbon across Germany. Atmospheric Environment, 2018, 185, 41-52.	4.1	44
14	How important is biogenic isoprene in an urban environment? A study in London and Paris. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	41
15	Concentrations and sources of carbonaceous aerosol in the atmosphere of Summit, Greenland. Atmospheric Environment, 2009, 43, 4155-4162.	4.1	39
16	Topâ€“down quantification of NO_{<i>x</i>} emissions from traffic in an urban area using a high-resolution regional atmospheric chemistry model. Atmospheric Chemistry and Physics, 2018, 18, 8203-8225.	4.9	39
17	An assessment of perceptions of air quality surrounding the implementation of a traffic-reduction measure in a local urban environment. Sustainable Cities and Society, 2018, 41, 525-537.	10.4	36
18	Sustainable policyâ€”key considerations for air quality and climate change. Current Opinion in Environmental Sustainability, 2016, 23, 85-91.	6.3	31

#	Article	IF	Citations
19	Seasonal and spatial trends in the sources of fine particle organic carbon in Israel, Jordan, and Palestine. Atmospheric Environment, 2010, 44, 3669-3678.	4.1	29
20	Impact of vegetative emissions on urban ozone and biogenic secondary organic aerosol: Box model study for Berlin, Germany. Journal of Cleaner Production, 2018, 176, 827-841.	9.3	26
21	BAERLIN2014 â€“ the influence of land surface types on and the horizontal heterogeneity of air pollutant levels in Berlin. Atmospheric Chemistry and Physics, 2016, 16, 7785-7811.	4.9	25
22	Air quality and climate â€“ synergies and trade-offs. Environmental Sciences: Processes and Impacts, 2013, 15, 1315.	3.5	24
23	An Integrated Assessment Method for Sustainable Transport System Planning in a Middle Sized German City. Sustainability, 2015, 7, 1329-1354.	3.2	21
24	Variation of the NMVOC speciation in the solvent sector and the sensitivity of modelled tropospheric ozone. Atmospheric Environment, 2016, 135, 59-72.	4.1	20
25	Potential reductions in ambient NO 2 concentrations from meeting diesel vehicle emissions standards. Environmental Research Letters, 2017, 12, 114025.	5.2	18
26	Analysis of the distributions of hourly NO₂ concentrations contributing to annual average NO₂ concentrations across the European monitoring network between 2000 and 2014. Atmospheric Chemistry and Physics, 2018, 18, 3563-3587.	4.9	16
27	How will air quality effects onÂhuman health, crops and ecosystems change in the future?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190330.	3.4	15
28	Spatial Variability of Carbonaceous Aerosol Concentrations in East and West Jerusalem. Environmental Science & Technology, 2010, 44, 1911-1917.	10.0	14
29	New Directions: Support for integrated decision-making in air and climate policies â€“ Development of a metrics-based information portal. Atmospheric Environment, 2014, 90, 146-148.	4.1	13
30	Learning from the COVID-19 lockdown in berlin: Observations and modelling to support understanding policies to reduce NO2.. Atmospheric Environment: X, 2021, 12, 100122.	1.4	11
31	Determinants of Public Acceptance for Traffic-Reducing Policies to Improve Urban Air Quality. Sustainability, 2019, 11, 3991.	3.2	10
32	Climate change and air pollution: the connection between traffic intervention policies and public acceptance in a local context. Environmental Research Letters, 2019, 14, 085008.	5.2	10
33	Do new bike lanes impact air pollution exposure for cyclists?â€”a case study from Berlin. Environmental Research Letters, 2021, 16, 084031.	5.2	7
34	Prepare Scientists to Engage in Scienceâ€Policy. Earth's Future, 2020, 8, e2020EF001628.	6.3	6
35	Unravelling a black box: an open-source methodology for the field calibration of small air quality sensors. Atmospheric Measurement Techniques, 2021, 14, 7221-7241.	3.1	6
36	BAERLIN2014 â€“ stationary measurements and source apportionment at an urban background station in Berlin, Germany. Atmospheric Chemistry and Physics, 2018, 18, 8621-8645.	4.9	5

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37	Opinion: Papers that shaped tropospheric chemistry. Atmospheric Chemistry and Physics, 2021, 21, 12909-12948.	4.9	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, .	3.2	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.	5.3	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, , .	0.3	0