Sverre Solberg

List of Publications by Year
in descending order

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44	3,299	236833	254106
papers	citations	25 h-index	43 g-index

44	44	44	4248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introduction to the European Monitoring and Evaluation Programme (EMEP) and observed atmospheric composition change during 1972â€“2009. Atmospheric Chemistry and Physics, 2012, 12, 5447-5481.	1.9	527
2	Arctic smoke â€“ record high air pollution levels in the European Arctic due to agricultural fires in Eastern Europe in spring 2006. Atmospheric Chemistry and Physics, 2007, 7, 511-534.	1.9	372
3	Can we explain the trends in European ozone levels?. Atmospheric Chemistry and Physics, 2006, 6, 51-66.	1.9	236
4	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. Elementa, 2018, 6, 1.	1.1	196
5	Assessment of parameters describing representativeness of air quality in-situ measurement sites. Atmospheric Chemistry and Physics, 2010, 10, 3561-3581.	1.9	180
6	European surface ozone in the extreme summer 2003. Journal of Geophysical Research, 2008, 113, .	3.3	174
7	Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. Elementa, 2018, 6, .	1.1	167
8	Air quality trends in Europe over the past decade: a first multi-model assessment. Atmospheric Chemistry and Physics, 2011, 11, 11657-11678.	1.9	164
9	Boundary-layer ozone depletion as seen in the Norwegian Arctic in spring. Journal of Atmospheric Chemistry, 1996, 23, 301-332.	1.4	150
10	On the Spatial Distribution and Seasonal Variation of Lower-Troposphere Ozone over Europe. Journal of Atmospheric Chemistry, 1997, 28, 11-28.	1.4	101
11	Ozone â€” the persistent menace: interactions with the N cycle and climate change. Current Opinion in Environmental Sustainability, 2014, 9-10, 9-19.	3.1	100
12	Carbonyls and nonmethane hydrocarbons at rural European sites from the mediterranean to the arctic. Journal of Atmospheric Chemistry, 1996, 25, 33-66.	1.4	90
13	Seasonal variations of atmospheric trace gases in the high Arctic at 79Â°N. Journal of Geophysical Research, 1997, 102, 12855-12861.	3.3	58
14	Changes in Nordic surface ozone episodes due to European emission reductions in the 1990s. Atmospheric Environment, 2005, 39, 179-192.	1.9	58
15	Multi-decadal surface ozone trends at globally distributed remote locations. Elementa, 2020, 8, .	1.1	54
16	Impact of forest fires, biogenic emissions and high temperatures on the elevated Eastern Mediterranean ozone levels during the hot summer of 2007. Atmospheric Chemistry and Physics, 2012, 12, 8727-8750.	1.9	52
17	Long-term measurements and model calculations of formaldehyde at rural European monitoring sites. Atmospheric Environment, 2001, 35, 195-207.	1.9	48
18	Characteristics of tropospheric ozone depletion events in the Arctic spring: analysis of the ARCTAS, ARCPAC, and ARCIONS measurements and satellite BrO observations. Atmospheric Chemistry and Physics, 2012, 12, 9909-9922.	1.9	42

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19	A multi-model comparison of meteorological drivers of surface ozone over Europe. Atmospheric Chemistry and Physics, 2018, 18, 12269-12288.	1.9	42
20	The Eulerian urban dispersion model EPISODE â€“ PartÂ2: Extensions to the source dispersion and photochemistry for EPISODEâ€“CityChem v1.2 and its application to the city of Hamburg. Geoscientific Model Development, 2019, 12, 3357-3399.	1.3	36
21	European Abatement of Surface Ozone in a Global Perspective. Ambio, 2005, 34, 47-53.	2.8	34
22	Improvements to the retrieval of tropospheric NO₂ from satellite â€“ stratospheric correction using SCIAMACHY limb/nadir matching and comparison to Oslo CTM2 simulations. Atmospheric Measurement Techniques, 2013, 6, 565-584.	1.2	34
23	Mesoscale modeling of combined aerosol and photo-oxidant processes in the Eastern Mediterranean. Atmospheric Chemistry and Physics, 2005, 5, 927-940.	1.9	32
24	Quantifying the Impact of the Covid-19 Lockdown Measures on Nitrogen Dioxide Levels throughout Europe. Atmosphere, 2021, 12, 131.	1.0	32
25	Springtime depletion of tropospheric ozone, gaseous elemental mercury and non-methane hydrocarbons in the European Arctic, and its relation to atmospheric transport. Atmospheric Environment, 2007, 41, 8511-8526.	1.9	31
26	Evidence for large average concentrations of the nitrate radical (NO3) in Western Europe from the HANSA hydrocarbon database. Atmospheric Environment, 2007, 41, 3465-3478.	1.9	30
27	Reactive Nitrogen Compounds at Spitsbergen in the Norwegian Arctic. Journal of Atmospheric Chemistry, 1997, 28, 209-225.	1.4	29
28	Evidence from firn air for recent decreases in non-methane hydrocarbons and a 20th century increase in nitrogen oxides in the northern hemisphere. Atmospheric Environment, 2012, 54, 592-602.	1.9	26
29	Tropospheric Ozone at High Latitudes in Clean and Polluted Air Masses, a Climatological Study. Journal of Atmospheric Chemistry, 1997, 28, 111-123.	1.4	23
30	Atmospheric monitoring at the Norwegian Antarctic station Troll: measurement programme and first results. Polar Research, 2009, 28, 353-363.	1.6	23
31	Uncertainties in assessing the environmental impact of amine emissions from a CO₂ capture plant. Atmospheric Chemistry and Physics, 2014, 14, 8533-8557.	1.9	23
32	Modelling atmospheric oxidation of 2-aminoethanol (MEA) emitted from post-combustion capture using WRFâ€“Chem. Science of the Total Environment, 2015, 527-528, 185-202.	3.9	21
33	Annual cycle of Antarctic baseline aerosol: controlled by photooxidation-limited aerosol formation. Atmospheric Chemistry and Physics, 2014, 14, 3083-3093.	1.9	20
34	NOx during ozone depletion events in the arctic troposphere at Ny-Alesund, Svalbard. Tellus, Series B: Chemical and Physical Meteorology, 1997, 49, 556-565.	0.8	18
35	Northern Plants and Ozone. Ambio, 2009, 38, 406-413.	2.8	16
36	NO_x during ozone depletion events in the arctic troposphere at Ny-Ã…lesund, Svalbard. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 556.	0.8	13

#	Article	IF	Citations
37	Title is missing!. Journal of Atmospheric Chemistry, 1998, 30, 241-271.	1.4	9
38	Variations of CH2O and C2H2 determined from ground-based FTIR measurements and comparison with model results. Advances in Space Research, 2002, 29, 1713-1718.	1.2	9
39	European VOC Emission Estimates Evaluated by Measurements and Model Calculations. Journal of Atmospheric Chemistry, 1997, 28, 173-193.	1.4	8
40	An exceptional ozone episode in northern Fennoscandia. Atmospheric Environment, 2007, 41, 950-958.	1.9	8
41	Influence of climate variability on near-surface ozone depletion events in the Arctic spring. Geophysical Research Letters, 2014, 41, 2582-2589.	1.5	6
42	Ozone measurements in the European Arctic during the ARCTOC 1995 campaign. Tellus, Series B: Chemical and Physical Meteorology, 1998, 50, 416-429.	0.8	5
43	Hitting the hotspots â€“ Targeted deployment of air source heat pump technology to deliver clean air communities and climate progress: A case study of Ireland. Atmospheric Environment: X, 2022, , 100155.	0.8	2
44	Title is missing!. Water, Air, and Soil Pollution, 2003, 148, 289-321.	1.1	0