

Sverre Solberg

List of Publications by Year in descending order

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44
papers

3,299
citations

236833

25
h-index

254106

43
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all docs

44
docs citations

44
times ranked

4248
citing authors

#	ARTICLE	IF	CITATIONS
1	NO ₂ during ozone depletion events in the arctic troposphere at Ny-Ålesund, Svalbard. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 556.	0.8	13
2	Hitting the hotspots – 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
3	Quantifying the Impact of the Covid-19 Lockdown Measures on Nitrogen Dioxide Levels throughout Europe. Atmosphere, 2021, 12, 131.	1.0	32
4	Multi-decadal surface ozone trends at globally distributed remote locations. Elementa, 2020, 8, .	1.1	54
5	The Eulerian urban dispersion model EPISODE – Part 2: Extensions to the source dispersion and photochemistry for EPISODE–CityChem v1.2 and its application to the city of Hamburg. Geoscientific Model Development, 2019, 12, 3357-3399.	1.3	36
6	A multi-model comparison of meteorological drivers of surface ozone over Europe. Atmospheric Chemistry and Physics, 2018, 18, 12269-12288.	1.9	42
7	Tropospheric Ozone Assessment Report: Present-day ozone distribution and trends relevant to human health. Elementa, 2018, 6, .	1.1	167
8	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. Elementa, 2018, 6, 1.	1.1	196
9	Modelling atmospheric oxidation of 2-aminoethanol (MEA) emitted from post-combustion capture using WRF–Chem. Science of the Total Environment, 2015, 527-528, 185-202.	3.9	21
10	Ozone – the persistent menace: interactions with the N cycle and climate change. Current Opinion in Environmental Sustainability, 2014, 9-10, 9-19.	3.1	100
11	Influence of climate variability on near-surface ozone depletion events in the Arctic spring. Geophysical Research Letters, 2014, 41, 2582-2589.	1.5	6
12	Uncertainties in assessing the environmental impact of amine emissions from a CO ₂ capture plant. Atmospheric Chemistry and Physics, 2014, 14, 8533-8557.	1.9	23
13	Annual cycle of Antarctic baseline aerosol: controlled by photooxidation-limited aerosol formation. Atmospheric Chemistry and Physics, 2014, 14, 3083-3093.	1.9	20
14	Improvements to the retrieval of tropospheric NO ₂ from satellite – stratospheric correction using SCIAMACHY limb/nadir matching and comparison to Oslo CTM2 simulations. Atmospheric Measurement Techniques, 2013, 6, 565-584.	1.2	34
15	Introduction to the European Monitoring and Evaluation Programme (EMEP) and observed atmospheric composition change during 1972–2009. Atmospheric Chemistry and Physics, 2012, 12, 5447-5481.	1.9	527
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Air quality trends in Europe over the past decade: a first multi-model assessment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11657-11678.	1.9	164
20	Assessment of parameters describing representativeness of air quality in-situ measurement sites. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3561-3581.	1.9	180
21	Northern Plants and Ozone. <i>Ambio</i> , 2009, 38, 406-413.	2.8	16
22	Atmospheric monitoring at the Norwegian Antarctic station Troll: measurement programme and first results. <i>Polar Research</i> , 2009, 28, 353-363.	1.6	23
23	European surface ozone in the extreme summer 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	174
24	Arctic smoke – record high air pollution levels in the European Arctic due to agricultural fires in Eastern Europe in spring 2006. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 511-534.	1.9	372
25	An exceptional ozone episode in northern Fennoscandia. <i>Atmospheric Environment</i> , 2007, 41, 950-958.	1.9	8
26	Evidence for large average concentrations of the nitrate radical (NO ₃) in Western Europe from the HANSA hydrocarbon database. <i>Atmospheric Environment</i> , 2007, 41, 3465-3478.	1.9	30
27	Springtime depletion of tropospheric ozone, gaseous elemental mercury and non-methane hydrocarbons in the European Arctic, and its relation to atmospheric transport. <i>Atmospheric Environment</i> , 2007, 41, 8511-8526.	1.9	31
28	Can we explain the trends in European ozone levels?. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 51-66.	1.9	236
29	Mesoscale modeling of combined aerosol and photo-oxidant processes in the Eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 927-940.	1.9	32
30	Changes in Nordic surface ozone episodes due to European emission reductions in the 1990s. <i>Atmospheric Environment</i> , 2005, 39, 179-192.	1.9	58
31	European Abatement of Surface Ozone in a Global Perspective. <i>Ambio</i> , 2005, 34, 47-53.	2.8	34
32	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 148, 289-321.	1.1	0
33	Variations of CH ₂ O and C ₂ H ₂ determined from ground-based FTIR measurements and comparison with model results. <i>Advances in Space Research</i> , 2002, 29, 1713-1718.	1.2	9
34	Long-term measurements and model calculations of formaldehyde at rural European monitoring sites. <i>Atmospheric Environment</i> , 2001, 35, 195-207.	1.9	48
35	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 30, 241-271.	1.4	9
36	Ozone measurements in the European Arctic during the ARCTOC 1995 campaign. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1998, 50, 416-429.	0.8	5

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37	Seasonal variations of atmospheric trace gases in the high Arctic at 79°N. <i>Journal of Geophysical Research</i> , 1997, 102, 12855-12861.	3.3	58
38	Tropospheric Ozone at High Latitudes in Clean and Polluted Air Masses, a Climatological Study. <i>Journal of Atmospheric Chemistry</i> , 1997, 28, 111-123.	1.4	23
39	European VOC Emission Estimates Evaluated by Measurements and Model Calculations. <i>Journal of Atmospheric Chemistry</i> , 1997, 28, 173-193.	1.4	8
40	On the Spatial Distribution and Seasonal Variation of Lower-Troposphere Ozone over Europe. <i>Journal of Atmospheric Chemistry</i> , 1997, 28, 11-28.	1.4	101
41	Reactive Nitrogen Compounds at Spitsbergen in the Norwegian Arctic. <i>Journal of Atmospheric Chemistry</i> , 1997, 28, 209-225.	1.4	29
42	NO _x during ozone depletion events in the arctic troposphere at Ny-Alesund, Svalbard. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1997, 49, 556-565.	0.8	18
43	Carbonyls and nonmethane hydrocarbons at rural European sites from the mediterranean to the arctic. <i>Journal of Atmospheric Chemistry</i> , 1996, 25, 33-66.	1.4	90
44	Boundary-layer ozone depletion as seen in the Norwegian Arctic in spring. <i>Journal of Atmospheric Chemistry</i> , 1996, 23, 301-332.	1.4	150