C Lund Myhre

List of Publications by Year
in descending order

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44	3,257	186209	243529
papers	citations	28 h-index	44 g-index

78	78	78	5592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atmospheric composition in the European Arctic and 30Âyears of the Zeppelin Observatory, Ny-Ã…lesund. Atmospheric Chemistry and Physics, 2022, 22, 3321-3369.	1.9	24
2	AeroCom phase III multi-model evaluation of the aerosol life cycle and optical properties using ground- and space-based remote sensing as well as surface in situ observations. Atmospheric Chemistry and Physics, 2021, 21, 87-128.	1.9	96
3	Changes in black carbon emissions over Europe due to COVID-19 lockdowns. Atmospheric Chemistry and Physics, 2021, 21, 2675-2692.	1.9	40
4	Trends, composition, and sources of carbonaceous aerosol at the Birkenes Observatory, northern Europe, 2001â€“2018. Atmospheric Chemistry and Physics, 2021, 21, 7149-7170.	1.9	12
5	Seasonality of the particle number concentration and size distribution: a global analysis retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. Atmospheric Chemistry and Physics, 2021, 21, 17185-17223.	1.9	31
6	Physical controls of dynamics of methane venting from a shallow seep area west of Svalbard. Continental Shelf Research, 2020, 194, 104030.	0.9	19
7	Multidecadal trend analysis of in situ aerosol radiative properties around the world. Atmospheric Chemistry and Physics, 2020, 20, 8867-8908.	1.9	58
8	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. Atmospheric Measurement Techniques, 2020, 13, 4353-4392.	1.2	65
9	Very Strong Atmospheric Methane Growth in the 4ÂYears 2014â€“2017: Implications for the Paris Agreement. Global Biogeochemical Cycles, 2019, 33, 318-342.	1.9	353
10	Global and regional trends of atmospheric sulfur. Scientific Reports, 2019, 9, 953.	1.6	166
11	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. Nature Geoscience, 2018, 11, 178-184.	5.4	56
12	A vegetation control on seasonal variations in global atmospheric mercury concentrations. Nature Geoscience, 2018, 11, 244-250.	5.4	180
13	Concentrations and radiative forcing of anthropogenic aerosols from 1750 to 2014 simulated with the OsloÂCTM3 and CEDS emission inventory. Geoscientific Model Development, 2018, 11, 4909-4931.	1.3	35
14	Methane at Svalbard and over the European Arctic Ocean. Atmospheric Chemistry and Physics, 2018, 18, 17207-17224.	1.9	19
15	Temporal Variability in Surface Water pCO₂ in Adventfjorden (West Spitsbergen) With Emphasis on Physical and Biogeochemical Drivers. Journal of Geophysical Research: Oceans, 2018, 123, 4888-4905.	1.0	11
16	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. Scientific Data, 2017, 4, 170003.	2.4	44
17	Halfway to doubling of CO2 radiative forcing. Nature Geoscience, 2017, 10, 710-711.	5.4	13
18	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the periodÂ1990â€“2015. Atmospheric Chemistry and Physics, 2017, 17, 2709-2720.	1.9	87

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19	Methane fluxes in the high northern latitudes for 2005â€“2013 estimated using a Bayesian atmospheric inversion. Atmospheric Chemistry and Physics, 2017, 17, 3553-3572.	1.9	59
20	Extensive release of methane from Arctic seabed west of Svalbard during summer 2014 does not influence the atmosphere. Geophysical Research Letters, 2016, 43, 4624-4631.	1.5	74
21	Measurements of Î´¹³C in CH₄ and using particle dispersion modeling to characterize sources of Arctic methane within an air mass. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14257-14270.	1.2	22
22	Jury is still out on the radiative forcing by black carbon. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5092-3.	3.3	43
23	Atmospheric methane evolution the last 40 years. Atmospheric Chemistry and Physics, 2016, 16, 3099-3126.	1.9	67
24	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14188-14200.	1.2	10
25	Seasonal and interannual variability of atmospheric methane over Arctic Ocean from satellite data. Sovremennye Problemy Distantsionnogo Zondirovaniya Zemli Iz Kosmosa, 2016, 13, 107-119.	0.1	12
26	Quantifying black carbon from biomass burning by means of levoglucosan â€“ a one-year time series at the Arctic observatory Zeppelin. Atmospheric Chemistry and Physics, 2014, 14, 6427-6442.	1.9	71
27	The link between springtime total ozone and summer UV radiation in Northern Hemisphere extratropics. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8649-8661.	1.2	16
28	The Norwegian UV-monitoring network: QC and results for the period 1996-2011. , 2013, , .		4
29	Aerosol decadal trends â€“ Part 1: In-situ optical measurements at GAW and IMPROVE stations. Atmospheric Chemistry and Physics, 2013, 13, 869-894.	1.9	126
30	Aerosol decadal trends â€“ Part 2: In-situ aerosol particle number concentrations at GAW and ACTRIS stations. Atmospheric Chemistry and Physics, 2013, 13, 895-916.	1.9	78
31	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
32	State of the Climate in 2011. Bulletin of the American Meteorological Society, 2012, 93, S1-S282.	1.7	121
33	Overview of sun photometer measurements of aerosol properties in Scandinavia and Svalbard. Atmospheric Environment, 2012, 52, 18-28.	1.9	42
34	Arctic methane sources: Isotopic evidence for atmospheric inputs. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	119
35	Stratospheric ozone during the arctic winter: Brewer measurements in Ny-Ã…lesund. International Journal of Remote Sensing, 2009, 30, 4319-4330.	1.3	2
36	Regional aerosol optical properties and radiative impact of the extreme smoke event in the European Arctic in spring 2006. Atmospheric Chemistry and Physics, 2007, 7, 5899-5915.	1.9	40

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37	Aerosols in polar regions: A historical overview based on optical depth and in situ observations. Journal of Geophysical Research, 2007, 112, .	3.3	173
38	Low-Frequency Raman Spectra of Nitric Acid Hydrates. Journal of Physical Chemistry A, 2006, 110, 171-176.	1.1	9
39	Optical Constants of HNO3/H2O and H2SO4/HNO3/H2O at Low Temperatures in the Infrared Region. Journal of Physical Chemistry A, 2005, 109, 7166-7171.	1.1	36
40	The radiative effect of the anthropogenic influence on the stratospheric sulfate aerosol layer. Tellus, Series B: Chemical and Physical Meteorology, 2004, 56, 294-299.	0.8	31
41	Vibrational spectra of nitric acid dihydrate (NAD). Vibrational Spectroscopy, 2004, 34, 55-62.	1.2	18
42	Properties of aqueous methanesulfonic acid: complex index of refraction and surface tension. Applied Optics, 2004, 43, 2500.	2.1	10
43	Spectroscopic Study of Aqueous H2SO4 at Different Temperatures and Compositions:â€‰ Variations in Dissociation and Optical Properties. Journal of Physical Chemistry A, 2003, 107, 1979-1991.	1.1	135
44	Density and Surface Tension of Aqueous H2SO4at Low Temperature. Journal of Chemical & Engineering Data, 1998, 43, 617-622.	1.0	65