Moa K Sporre

List of Publications by Year
in descending order

24 papers	589 citations	759233 12 h-index	642732 23 g-index
54 all docs	54 docs citations	54 times ranked	1366 citing authors

#	Article	IF	Citations
1	Effective Density and Mixing State of Aerosol Particles in a Near-Traffic Urban Environment. Environmental Science & Technology, 2014, 48, 6300-6308.	10.0	103
2	Carbonaceous aerosol source apportionment using the Aethalometer model â€“ evaluation by radiocarbon and levoglucosan analysis at a rural background site in southern Sweden. Atmospheric Chemistry and Physics, 2017, 17, 4265-4281.	4.9	72
3	Hygroscopic properties of the ambient aerosol in southern Sweden â€“ a two year study. Atmospheric Chemistry and Physics, 2011, 11, 8343-8361.	4.9	70
4	Urban PM2.5 Induces Cellular Toxicity, Hormone Dysregulation, Oxidative Damage, Inflammation, and Mitochondrial Interference in the HRT8 Trophoblast Cell Line. Frontiers in Endocrinology, 2020, 11, 75.	3.5	62
5	BVOCâ€“aerosolâ€“climate feedbacks investigated using NorESM. Atmospheric Chemistry and Physics, 2019, 19, 4763-4782.	4.9	54
6	Large difference in aerosol radiative effects from BVOC-SOA treatment in three Earth system models. Atmospheric Chemistry and Physics, 2020, 20, 8953-8973.	4.9	27
7	Exploring sources of biogenic secondary organic aerosol compounds using chemical analysis and the FLEXPART model. Atmospheric Chemistry and Physics, 2017, 17, 11025-11040.	4.9	25
8	Diesel soot aging in urban plumes within hours under cold dark and humid conditions. Scientific Reports, 2017, 7, 12364.	3.3	24
9	Evaluation of Î´13C in Carbonaceous Aerosol Source Apportionment at a Rural Measurement Site. Aerosol and Air Quality Research, 2017, 17, 2081-2094.	2.1	23
10	A long-term satellite study of aerosol effects on convective clouds in Nordic background air. Atmospheric Chemistry and Physics, 2014, 14, 2203-2217.	4.9	19
11	Significant increase of aerosol number concentrations in air masses crossing a densely trafficked sea area. Oceanologia, 2016, 58, 1-12.	2.2	14
12	A study of the indirect aerosol effect on subarctic marine liquid low-level clouds using MODIS cloud data and ground-based aerosol measurements. Atmospheric Research, 2012, 116, 56-66.	4.1	13
13	Evaluation of aerosol and cloud properties in three climate models using MODIS observations and its corresponding COSP simulator, as well as their application in aerosolâ€“cloud interactions. Atmospheric Chemistry and Physics, 2020, 20, 1607-1626.	4.9	12
14	Summary of a workshop on extreme weather events in a warming world organized by the Royal Swedish Academy of Sciences. Tellus, Series B: Chemical and Physical Meteorology, 2022, 72, 1794236.	1.6	11
15	Influence of volcanic eruptions on midlatitude upper tropospheric aerosol and consequences for cirrus clouds. Earth and Space Science, 2015, 2, 285-300.	2.6	10
16	Ship plumes in the Baltic Sea Sulfur Emission Control Area: chemical characterization and contribution to coastal aerosol concentrations. Atmospheric Chemistry and Physics, 2020, 20, 9135-9151.	4.9	10
17	Aerosol indirect effects on continental low-level clouds over Sweden and Finland. Atmospheric Chemistry and Physics, 2014, 14, 12167-12179.	4.9	9
18	Comparison of MODIS and VIIRS cloud properties with ARM ground-based observations over Finland. Atmospheric Measurement Techniques, 2016, 9, 3193-3203.	3.1	6

#	Article	IF	Citations
19	Implementing a sectional scheme for early aerosol growth from new particle formation in the Norwegian Earth System Model v2: comparison to observations and climate impacts. Geoscientific Model Development, 2021, 14, 3335-3359.	3.6	6
20	Springtime Stratospheric Volcanic Aerosol Impact on Midlatitude Cirrus Clouds. Geophysical Research Letters, 2022, 49, .	4.0	4
21	On the Relationship of Biogenic Primary and Secondary Organic Aerosol Tracer Compounds on the Aethalometer Model Parameters. Aerosol and Air Quality Research, 2020, 20, 2654-2668.	2.1	3
22	Reduced effective radiative forcing from cloudâ€“aerosol interactions (ERF_{aci}) with improved treatment of early aerosol growth in an Earth system model. Atmospheric Chemistry and Physics, 2021, 21, 17243-17265.	4.9	3
23	Five-satellite-sensor study of the rapid decline of wildfire smoke in the stratosphere. Atmospheric Chemistry and Physics, 2022, 22, 3967-3984.	4.9	3
24	Methodology to obtain highly resolved SO₂ vertical profiles for representation of volcanic emissions in climate models. Atmospheric Measurement Techniques, 2021, 14, 7153-7165.	3.1	0