

Lise Lotte Sørensen

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,770
citations

218677

26
h-index

197818

49
g-index

80
all docs

80
docs citations

80
times ranked

4373
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Atmospheric Anthropogenic Nitrogen on the Open Ocean. <i>Science</i> , 2008, 320, 893-897.	12.6	964
2	The impact of lower sea-ice extent on Arctic greenhouse-gas exchange. <i>Nature Climate Change</i> , 2013, 3, 195-202.	18.8	119
3	Linking phytoplankton community size composition with temperature, plankton food web structure and sea-air CO ₂ flux. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 826-838.	1.4	77
4	Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , 2012, 9, 4921-4954.	3.3	77
5	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015, 3, .	3.2	77
6	Source apportionment of particles at Station Nord, North East Greenland during 2008-2010 using COPREM and PMF analysis. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 35-49.	4.9	75
7	Atmospheric black carbon and sulfate concentrations in Northeast Greenland. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9681-9692.	4.9	66
8	Ammonia concentrations and fluxes over a forest in the midwestern USA. <i>Atmospheric Environment</i> , 2001, 35, 5645-5656.	4.1	65
9	Seasonal variation of atmospheric particle number concentrations, new particle formation and atmospheric oxidation capacity at the high Arctic site Villum Research Station, Station Nord. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11319-11336.	4.9	60
10	Air-sea flux of CO ₂ in arctic coastal waters influenced by glacial melt water and sea ice. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 815.	1.6	58
11	High air-sea CO ₂ uptake rates in nearshore and shelf areas of Southern Greenland: Temporal and spatial variability. <i>Marine Chemistry</i> , 2012, 128-129, 26-33.	2.3	56
12	Particle fluxes over forests: Analyses of flux methods and functional dependencies. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	50
13	Atmospheric nitrogen inputs into the North Sea: effect on productivity. <i>Continental Shelf Research</i> , 2003, 23, 1743-1755.	1.8	48
14	Nitric Acid-Sea Salt Reactions: Implications for Nitrogen Deposition to Water Surfaces. <i>Journal of Applied Meteorology and Climatology</i> , 2000, 39, 725-731.	1.7	47
15	Characterization of humic-like substances in Arctic aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5011-5027.	3.3	45
16	Atmospheric input of nitrogen into the North Sea: ANICE project overview. <i>Continental Shelf Research</i> , 2001, 21, 2073-2094.	1.8	41
17	HNO ₃ fluxes to a deciduous forest derived using gradient and REA methods. <i>Atmospheric Environment</i> , 2002, 36, 5993-5999.	4.1	40
18	Inter-comparison of ammonia fluxes obtained using the Relaxed Eddy Accumulation technique. <i>Biogeosciences</i> , 2009, 6, 2575-2588.	3.3	39

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19	Fluxes of ammonia in the coastal marine boundary layer. <i>Atmospheric Environment</i> , 2003, 37, 167-177.	4.1	37
20	Spatial and vertical extent of nucleation events in the Midwestern USA: insights from the Nucleation In Forests (NIFTy) experiment. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1641-1657.	4.9	37
21	Atmospheric nitrogen input to the Kattegat. <i>Ophelia</i> , 1995, 42, 5-28.	0.3	35
22	Nitrogen processes in the atmosphere. , 2011, , 177-208.		35
23	Diffusion scrubber technique used for measurements of atmospheric ammonia. <i>Atmospheric Environment</i> , 1994, 28, 3637-3645.	4.1	34
24	Upward fluxes of particles over forests: when, where, why?. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 372-380.	1.6	34
25	Deposition of nitrogen into the North Sea. <i>Atmospheric Environment</i> , 2003, 37, 145-165.	4.1	33
26	Temporal dynamics of ikaite in experimental sea ice. <i>Cryosphere</i> , 2014, 8, 1469-1478.	3.9	32
27	MEAD: An interdisciplinary study of the marine effects of atmospheric deposition in the Kattegat. <i>Environmental Pollution</i> , 2006, 140, 453-462.	7.5	30
28	Ammonia emissions from deciduous forest after leaf fall. <i>Biogeosciences</i> , 2013, 10, 4577-4589.	3.3	29
29	Speciated particle dry deposition to the sea surface: results from ASEPS ^{â€™97} . <i>Atmospheric Environment</i> , 1999, 33, 2045-2058.	4.1	27
30	Sources of anions in aerosols in northeast Greenland during late winter. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1569-1578.	4.9	24
31	Particle fluxes above forests: Observations, methodological considerations and method comparisons. <i>Environmental Pollution</i> , 2008, 152, 667-678.	7.5	22
32	Estimating surface fluxes using eddy covariance and numerical ogive optimization. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2081-2103.	4.9	22
33	Investigating sources of measured forest-atmosphere ammonia fluxes using two-layer bi-directional modelling. <i>Agricultural and Forest Meteorology</i> , 2017, 237-238, 80-94.	4.8	21
34	Fluxes of soluble gases in the marine atmosphere surface layer. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1998, 50, 111-127.	1.6	20
35	Fluxes of gaseous elemental mercury (GEM) in the High Arctic during atmospheric mercury depletion events (AMDEs). <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6923-6938.	4.9	20
36	Atmosphereâ€™s Surface Fluxes of CO ₂ using Spectral Techniques. <i>Boundary-Layer Meteorology</i> , 2010, 136, 59-81.	2.3	19

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37	Background concentrations and fluxes of atmospheric ammonia over a deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 380-392.	4.8	19
38	Parameterization of atmosphere-air surface exchange of CO ₂ over sea ice. <i>Cryosphere</i> , 2014, 8, 853-866.	3.9	18
39	Air-Sea CO ₂ Gas Transfer Velocity in a Shallow Estuary. <i>Boundary-Layer Meteorology</i> , 2014, 151, 119-138.	2.3	17
40	Observed development of the vertical structure of the marine boundary layer during the LASIE experiment in the Ligurian Sea. <i>Annales Geophysicae</i> , 2010, 28, 17-25.	1.6	16
41	Dry deposition of reactive nitrogen to marine environments: recent advances and remaining uncertainties. <i>Marine Pollution Bulletin</i> , 2002, 44, 1336-1340.	5.0	15
42	Flux divergence of nitric acid in the marine atmospheric surface layer. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
43	Winter observations of CO ₂ exchange between sea ice and the atmosphere in a coastal fjord environment. <i>Cryosphere</i> , 2015, 9, 1701-1713.	3.9	15
44	Methods for Estimating Air-Sea Fluxes of CO ₂ Using High-Frequency Measurements. <i>Boundary-Layer Meteorology</i> , 2012, 144, 379-400.	2.3	13
45	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2001, 1, 99-107.	0.8	12
46	Overview of the biosphere-aerosol-cloud-climate interactions (BACCI) studies. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 300-317.	1.6	12
47	Temporal variability of air-sea CO ₂ exchange in a low-emission estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 176, 1-11.	2.1	11
48	Modeling concentrations and fluxes of atmospheric CO ₂ in the North East Atlantic region. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 763-768.	0.3	10
49	Nucleation and Aitken mode atmospheric particles in relation to O ₃ and NO _x at semirural background in Denmark. <i>Atmospheric Environment</i> , 2012, 49, 275-283.	4.1	9
50	Sensitivity of the air-sea CO ₂ exchange in the Baltic Sea and Danish inner waters to atmospheric short-term variability. <i>Biogeosciences</i> , 2015, 12, 2753-2772.	3.3	8
51	Observations of ultra-fine particles above a deciduous forest in Denmark. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	5
52	The Aerodynamic Gradient Method: Implications of Non-Simultaneous Measurements at Alternating Heights. <i>Atmosphere</i> , 2020, 11, 1067.	2.3	5
53	Observed and modelled cloud cover up to 6 km height at Station Nord in the high Arctic. <i>International Journal of Climatology</i> , 2021, 41, 1584-1598.	3.5	5
54	Boundary-Layer and Air Quality Study at Station Nord in Greenland. <i>Springer Proceedings in Complexity</i> , 2014, , 525-529.	0.3	4

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55	The influence of short-term variability in surface water on modelled air-sea exchange. Tellus, Series B: Chemical and Physical Meteorology, 2017, 69, 1302670.	1.6	2
56	Ultrafine particle number fluxes over and in a deciduous forest. Journal of Geophysical Research D: Atmospheres, 2017, 122, 405-422.	3.3	2
57	Simulating the atmospheric CO ₂ concentration across the heterogeneous landscape of Denmark using a coupled atmosphere-biosphere mesoscale model system. Biogeosciences, 2019, 16, 1505-1524.	3.3	2
58	Calculation of NH ₃ Emissions, Evaluation of Backward Lagrangian Stochastic Dispersion Model and Aerodynamic Gradient Method. Atmosphere, 2021, 12, 102.	2.3	2
59	Implications of Heterogeneous Chemistry of Nitric Acid for Nitrogen Deposition to Marine Ecosystems: Observations and Modeling. , 2001, , 99-107.		2
60	Identifying the European Fossil Fuel Plumes in the Atmosphere Over the Northeast Atlantic Region Through Isotopic Observations and Numerical Modelling. Environmental Monitoring and Assessment, 2006, 117, 387-409.	2.7	1
61	A Simple Model of Chemistry Effects on the Air-Sea CO ₂ Exchange Coefficient. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014808.	2.6	1
62	Atmospheric Pollution Research on Greenland. From Pole To Pole, 2016, , 21-39.	0.1	1
63	Subproject CAPMAN Flux Divergence of Reactive Nitrogen over the Coastal Ocean. , 2001, , 54-61.		0
64	Physical and Chemical Processes Governing Fluxes and Flux Divergence of Gaseous Ammonia and Nitric Acid in the Marine Atmospheric Boundary Layer. Atmospheric and Oceanographic Sciences Library, 1999, , 411-436.	0.1	0