

Heikki Lihavainen

List of Publications by Year in descending order

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37
papers

2,326
citations

331538

21
h-index

345118

36
g-index

75
all docs

75
docs citations

75
times ranked

2999
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol particle characteristics measured in the United Arab Emirates and their response to mixing in the boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 481-503.	1.9	5
2	An extensive data set for in situ microphysical characterization of low-level clouds in a Finnish sub-Arctic site. <i>Earth System Science Data</i> , 2022, 14, 637-649.	3.7	2
3	Snow albedo and its sensitivity to changes in deposited light-absorbing particles estimated from ambient temperature and snow depth observations at a high-altitude site in the Himalaya. <i>Elementa</i> , 2022, 10, .	1.1	0
4	Deposition of light-absorbing particles in glacier snow of the Sunderdhunga Valley, the southern forefront of the central Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2931-2943.	1.9	6
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. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17185-17223.	1.9	31
6	Optical and geometrical aerosol particle properties over the United Arab Emirates. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8909-8922.	1.9	29
7	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4353-4392.	1.2	65
8	New particle formation, growth and apparent shrinkage at a rural background site in western Saudi Arabia. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10537-10555.	1.9	19
9	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2015-2061.	1.9	42
10	Characteristics of particle emissions and their atmospheric dilution during co-combustion of coal and wood pellets in a large combined heat and power plant. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 97-108.	0.9	5
11	“European aerosol phenomenology 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	1.9	76
12	Global analysis of continental boundary layer new particle formation based on long-term measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14737-14756.	1.9	113
13	Light-absorption of dust and elemental carbon in snow in the Indian Himalayas and the Finnish Arctic. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1403-1416.	1.2	27
14	Size-selected black carbon mass distributions and mixing state in polluted and clean environments of northern India. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 371-383.	1.9	35
15	Modeling the role of highly oxidized multifunctional organic molecules for the growth of new particles over the boreal forest region. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8887-8901.	1.9	29
16	Applications and limitations of constrained high-resolution peak fitting on low resolving power mass spectra from the ToF-ACSM. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3263-3281.	1.2	24
17	New particle formation in the fresh flue-gas plume from a coal-fired power plant: effect of flue-gas cleaning. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7485-7496.	1.9	17
18	Aerosol size distribution seasonal characteristics measured in Tiksi, Russian Arctic. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1271-1287.	1.9	97

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19	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land-atmosphere-ocean-society continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461.	1.9	57
20	An overview of the first decade of Polly<sup>NET</sup>: an emerging network of automated Raman-polarization lidars for continuous aerosol profiling. Atmospheric Chemistry and Physics, 2016, 16, 5111-5137.	1.9	212
21	Significant increase of aerosol number concentrations in air masses crossing a densely trafficked sea area. Oceanologia, 2016, 58, 1-12.	1.1	14
22	Total sulfate vs. sulfuric acid monomer concentrations in nucleation studies. Atmospheric Chemistry and Physics, 2015, 15, 3429-3443.	1.9	16
23	Impacts of emission reductions on aerosol radiative effects. Atmospheric Chemistry and Physics, 2015, 15, 5501-5519.	1.9	7
24	Black carbon concentrations and mixing state in the Finnish Arctic. Atmospheric Chemistry and Physics, 2015, 15, 10057-10070.	1.9	51
25	Direct radiative feedback due to biogenic secondary organic aerosol estimated from boreal forest site observations. Environmental Research Letters, 2015, 10, 104005.	2.2	7
26	Soot on Snow experiment: bidirectional reflectance factor measurements of contaminated snow. Cryosphere, 2015, 9, 2323-2337.	1.5	50
27	Spatial distributions and seasonal cycles of aerosol climate effects in India seen in a global climate-aerosol model. Atmospheric Chemistry and Physics, 2014, 14, 10177-10192.	1.9	12
28	Growth of sulphuric acid nanoparticles under wet and dry conditions. Atmospheric Chemistry and Physics, 2014, 14, 6461-6475.	1.9	12
29	The direct and indirect radiative effects of biogenic secondary organic aerosol. Atmospheric Chemistry and Physics, 2014, 14, 447-470.	1.9	175
30	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. Geography, Environment, Sustainability, 2014, 7, 13-48.	0.6	19
31	Analysis of particle size distribution changes between three measurement sites in northern Scandinavia. Atmospheric Chemistry and Physics, 2013, 13, 11887-11903.	1.9	22
32	Aerosol decadal trends - Part 2: In-situ aerosol particle number concentrations at GAW and ACTRIS stations. Atmospheric Chemistry and Physics, 2013, 13, 895-916.	1.9	78
33	Cloud condensation nuclei production associated with atmospheric nucleation: a synthesis based on existing literature and new results. Atmospheric Chemistry and Physics, 2012, 12, 12037-12059.	1.9	285
34	Observational signature of the direct radiative effect by natural boreal forest aerosols and its relation to the corresponding first indirect effect. Journal of Geophysical Research, 2009, 114, .	3.3	30
35	Contribution of particle formation to global cloud condensation nuclei concentrations. Geophysical Research Letters, 2008, 35, .	1.5	400
36	Aerosol size distribution measurements at four Nordic field stations: identification, analysis and trajectory analysis of new particle formation bursts. Tellus, Series B: Chemical and Physical Meteorology, 2007, 59, 350-361.	0.8	131

#	ARTICLE	IF	CITATIONS
37	Measurements of cloud droplet activation of aerosol particles at a clean subarctic background site. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	93