

Hannele Hakola

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,797
citations

236833

25
h-index

360920

35
g-index

38
all docs

38
docs citations

38
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropical and Boreal Forest – Atmosphere Interactions: A Review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 74, 24.	0.8	27
2	Assessing critical load exceedances and ecosystem impacts of anthropogenic nitrogen and sulphur deposition at unmanaged forested catchments in Europe. <i>Science of the Total Environment</i> , 2021, 753, 141791.	3.9	26
3	Sesquiterpenes and oxygenated sesquiterpenes dominate the VOC (C ₅ –C ₂₀) emissions of downy birches. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8045-8066.	1.9	13
4	Time trends of persistent organic pollutants (POPs) and Chemicals of Emerging Arctic Concern (CEAC) in Arctic air from 25 years of monitoring. <i>Science of the Total Environment</i> , 2021, 775, 145109.	3.9	54
5	Trends and source apportionment of atmospheric heavy metals at a subarctic site during 1996–2018. <i>Atmospheric Environment</i> , 2020, 236, 117644.	1.9	13
6	Sesquiterpenes dominate monoterpenes in northern wetland emissions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7021-7034.	1.9	18
7	Optimisation of a thermal desorption–gas chromatography–mass spectrometry method for the analysis of monoterpenes, sesquiterpenes and diterpenes. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3543-3560.	1.2	18
8	Alkyl nitrates in the boreal forest: formation via the NO ₃ -, OH- and O ₃ -induced oxidation of biogenic volatile organic compounds and ambient lifetimes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10391-10403.	1.9	28
9	Long-term changes (1990–2015) in the atmospheric deposition and runoff water chemistry of sulphate, inorganic nitrogen and acidity for forested catchments in Europe in relation to changes in emissions and hydrometeorological conditions. <i>Science of the Total Environment</i> , 2018, 625, 1129-1145.	3.9	72
10	Direct measurement of NO ₃ radical reactivity in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3799-3815.	1.9	45
11	Receptor modelling and risk assessment of volatile organic compounds measured at a regional background site in South Africa. <i>Atmospheric Environment</i> , 2018, 172, 133-148.	1.9	41
12	Amines in boreal forest air at SMEAR II station in Finland. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6367-6380.	1.9	29
13	Long-term measurements of volatile organic compounds highlight the importance of sesquiterpenes for the atmospheric chemistry of a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13839-13863.	1.9	79
14	Long-term dynamics of monoterpene synthase activities, monoterpene storage pools and emissions in boreal Scots pine. <i>Biogeosciences</i> , 2018, 15, 5047-5060.	1.3	16
15	Terpenoid and carbonyl emissions from Norway spruce in Finland during the growing season. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3357-3370.	1.9	36
16	Using in situ GC-MS for analysis of C ₂ –C ₇ volatile organic acids in ambient air of a boreal forest site. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 281-289.	1.2	15
17	BAECC: A Field Campaign to Elucidate the Impact of Biogenic Aerosols on Clouds and Climate. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1909-1928.	1.7	71
18	Assessment of the spatial and temporal distribution of persistent organic pollutants (POPs) in the Nordic atmosphere. <i>Atmospheric Environment</i> , 2016, 140, 22-33.	1.9	35

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19	Measurements of biogenic volatile organic compounds at a grazed savannah grassland agricultural landscape in South Africa. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15665-15688.	1.9	30
20	Role of needle surface waxes in dynamic exchange of mono- and sesquiterpenes. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7813-7823.	1.9	22
21	Temporal trends of Persistent Organic Pollutants (POPs) in arctic air: 20 years of monitoring under the Arctic Monitoring and Assessment Programme (AMAP). <i>Environmental Pollution</i> , 2016, 217, 52-61.	3.7	198
22	Induced defenses of <i>Veronica spicata</i> : Variability in herbivore-induced volatile organic compounds. <i>Phytochemistry Letters</i> , 2013, 6, 653-656.	0.6	18
23	Direct Observations of Atmospheric Aerosol Nucleation. <i>Science</i> , 2013, 339, 943-946.	6.0	876
24	Gas-phase alkylamines in a boreal Scots pine forest air. <i>Atmospheric Environment</i> , 2013, 80, 369-377.	1.9	51
25	Background concentrations and source apportionment of polycyclic aromatic hydrocarbons in south-eastern Finland. <i>Atmospheric Environment</i> , 2011, 45, 3391-3399.	1.9	53
26	Ambient Air Concentrations, Source Profiles, and Source Apportionment of 71 Different C ₂ -C ₁₀ Volatile Organic Compounds in Urban and Residential Areas of Finland. <i>Environmental Science & Technology</i> , 2006, 40, 103-108.	4.6	54
27	Ten years of light hydrocarbons (C ₂ -C ₆) concentration measurements in background air in Finland. <i>Atmospheric Environment</i> , 2006, 40, 3621-3630.	1.9	38
28	Determination of source contributions of NMHCs in Helsinki (60°N, 25°E) using chemical mass balance and the Unmix multivariate receptor models. <i>Atmospheric Environment</i> , 2003, 37, 1413-1424.	1.9	66
29	Aromatic hydrocarbon and methyl tert-butyl ether measurements in ambient air of Helsinki (Finland) using diffusive samplers. <i>Science of the Total Environment</i> , 2002, 298, 55-64.	3.9	54
30	The ambient concentrations of biogenic hydrocarbons at a northern European, boreal site. <i>Atmospheric Environment</i> , 2000, 34, 4971-4982.	1.9	73
31	Canopy scale monoterpene emissions of <i>Pinus sylvestris</i> dominated forests. <i>Atmospheric Environment</i> , 2000, 34, 1099-1107.	1.9	98
32	Measurements of hydrocarbon fluxes by a gradient method above a northern boreal forest. <i>Agricultural and Forest Meteorology</i> , 2000, 102, 25-37.	1.9	41
33	The hydrocarbon emission rates of tea-leafed willow (<i>Salix phylicifolia</i>), silver birch (<i>Betula pendula</i>) and European aspen (<i>Populus tremula</i>). <i>Atmospheric Environment</i> , 1998, 32, 1825-1833.	1.9	190
34	Product formation from the gas-phase reactions of OH radicals and O ₃ with a series of monoterpenes. <i>Journal of Atmospheric Chemistry</i> , 1994, 18, 75-102.	1.4	270
35	Product formation from the gas-phase reactions of hydroxyl radicals and ozone with β -phellandrene. <i>Environmental Science & Technology</i> , 1993, 27, 278-283.	4.6	27