

Lauri Laakso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11680926/publications.pdf>

Version: 2024-02-01

35
papers

1,855
citations

430754

18
h-index

395590

33
g-index

39
all docs

39
docs citations

39
times ranked

2584
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Toward Direct Measurement of Atmospheric Nucleation. <i>Science</i> , 2007, 318, 89-92. | 6.0 | 478 |
| 2 | Warming-induced increase in aerosol number concentration likely to moderate climate change. <i>Nature Geoscience</i> , 2013, 6, 438-442. | 5.4 | 282 |
| 3 | Rapid changes in biomass burning aerosols by atmospheric oxidation. <i>Geophysical Research Letters</i> , 2014, 41, 2644-2651. | 1.5 | 175 |
| 4 | Diurnal and annual characteristics of particle mass and number concentrations in urban, rural and Arctic environments in Finland. <i>Atmospheric Environment</i> , 2003, 37, 2629-2641. | 1.9 | 167 |
| 5 | 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 |
| 6 | An air quality assessment in the industrialised western Bushveld Igneous Complex, South Africa. <i>South African Journal of Science</i> , 2012, 108, . | 0.3 | 66 |
| 7 | Analysis of one year of Ion-DMPS data from the SMEAR II station, Finland. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 318. | 0.8 | 56 |
| 8 | Measurements of aerosol particle dry deposition velocity using the relaxed eddy accumulation technique. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 381-386. | 0.8 | 49 |
| 9 | Atmospheric trace metals measured at a regional background site (Welgegund) in South Africa. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4251-4263. | 1.9 | 47 |
| 10 | Aerosol particles in the developing world; a comparison between New Delhi in India and Beijing in China. <i>Water, Air, and Soil Pollution</i> , 2006, 173, 5-20. | 1.1 | 44 |
| 11 | Effect of condensation rate enhancement factor on 3-nm (diameter) particle formation in binary ion-induced and homogeneous nucleation. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 35 |
| 12 | 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 |
| 13 | Reevaluating the contribution of sulfuric acid and the origin of organic compounds in atmospheric nanoparticle growth. <i>Geophysical Research Letters</i> , 2015, 42, 10,486. | 1.5 | 27 |
| 14 | Carbon balance of a grazed savanna grassland ecosystem in South Africa. <i>Biogeosciences</i> , 2017, 14, 1039-1054. | 1.3 | 26 |
| 15 | Seasonal influences on surface ozone variability in continental South Africa and implications for air quality. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15491-15514. | 1.9 | 26 |
| 16 | 100 years of atmospheric and marine observations at the Finnish Utö Island in the Baltic Sea. <i>Ocean Science</i> , 2018, 14, 617-632. | 1.3 | 25 |
| 17 | Spatial, temporal and source contribution assessments of black carbon over the northern interior of South Africa. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6177-6196. | 1.9 | 21 |
| 18 | Evaluation of Methane Emissions Originating from LNG Ships Based on the Measurements at a Remote Marine Station. <i>Environmental Science & Technology</i> , 2021, 55, 13677-13686. | 4.6 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Size-resolved characterisation of organic compounds in atmospheric aerosols collected at Welgegund, South Africa. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 43-64. | 1.4 | 20 |
| 20 | OMI Satellite and Ground-based Pandora Observations and Their Application to Surface NO ₂ Estimations at Terrestrial and Marine Sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1441-1459. | 1.2 | 16 |
| 21 | composition of ambient and fresh biomass burning aerosols at a savannah site, South Africa. <i>South African Journal of Science</i> , 2016, 112, 8. | 0.3 | 14 |
| 22 | Assessment of atmospheric trace metals in the western Bushveld Igneous Complex, South Africa. <i>South African Journal of Science</i> , 2014, 110, 1-11. | 0.3 | 13 |
| 23 | First Application of IFCB High-Frequency Imaging-in-Flow Cytometry to Investigate Bloom-Forming Filamentous Cyanobacteria in the Baltic Sea. <i>Frontiers in Marine Science</i> , 2021, 8, . | 1.2 | 12 |
| 24 | Automated Continuous Air Monitoring. <i>Comprehensive Analytical Chemistry</i> , 2015, , 183-208. | 0.7 | 10 |
| 25 | Measuring turbulent CO ₂ fluxes with a closed-path gas analyzer in a marine environment. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5335-5350. | 1.2 | 10 |
| 26 | Characterising Particulate Organic Nitrogen at A Savannah-Grassland Region in South Africa. <i>Atmosphere</i> , 2019, 10, 492. | 1.0 | 10 |
| 27 | Root-zone soil moisture variability across African savannas: From pulsed rainfall to land-cover switches. <i>Ecohydrology</i> , 2020, 13, e2213. | 1.1 | 10 |
| 28 | Ozone Concentrations and Their Potential Impacts on Vegetation in Southern Africa. <i>Developments in Environmental Science</i> , 2013, 13, 429-450. | 0.5 | 9 |
| 29 | Submicrometer aerosols and excess CO as tracers for biomass burning air mass transport over southern Africa. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,262-10,282. | 1.2 | 9 |
| 30 | The diurnal cycle of CO ₂ in the coastal region of the Baltic Sea. <i>Ocean Science</i> , 2021, 17, 1657-1675. | 1.3 | 8 |
| 31 | Size-resolved characteristics of inorganic ionic species in atmospheric aerosols at a regional background site on the South African Highveld. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 285-304. | 1.4 | 5 |
| 32 | Assessment of polar organic aerosols at a regional background site in southern Africa. <i>Journal of Atmospheric Chemistry</i> , 2019, 76, 89-113. | 1.4 | 5 |
| 33 | Statistical analysis of factors driving surface ozone variability over continental South Africa. <i>Journal of Integrative Environmental Sciences</i> , 2020, 17, 1-28. | 1.0 | 5 |
| 34 | Six-year observations of aerosol optical properties at a southern African grassland savannah site. <i>Atmospheric Environment</i> , 2020, 230, 117477. | 1.9 | 2 |
| 35 | New Particle Formation in Clean Savannah Environment. , 2007, , 694-697. | | 1 |