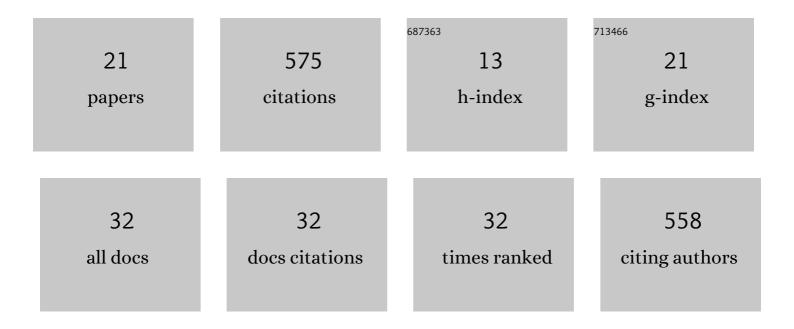
## Joel Kuula

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8746447/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. Environment International, 2021, 157, 106818.	10.0	126
2	Laboratory evaluation of particle-size selectivity of optical low-cost particulate matter sensors. Atmospheric Measurement Techniques, 2020, 13, 2413-2423.	3.1	88
3	Intelligent Calibration and Virtual Sensing for Integrated Low-Cost Air Quality Sensors. IEEE Sensors Journal, 2020, 20, 13638-13652.	4.7	63
4	Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in a street canyon. Environmental Pollution, 2018, 241, 96-105.	7.5	46
5	Long-term sensor measurements of lung deposited surface area of particulate matter emitted from local vehicular and residential wood combustion sources. Aerosol Science and Technology, 2020, 54, 190-202.	3.1	35
6	Applicability of Optical and Diffusion Charging-Based Particulate Matter Sensors to Urban Air Quality Measurements. Aerosol and Air Quality Research, 2019, 19, 1024-1039.	2.1	22
7	Response Characterization of an Inexpensive Aerosol Sensor. Sensors, 2017, 17, 2915.	3.8	21
8	Evaluation of white-box versus black-box machine learning models in estimating ambient black carbon concentration. Journal of Aerosol Science, 2021, 152, 105694.	3.8	21
9	Evaluation of Methane Emissions Originating from LNG Ships Based on the Measurements at a Remote Marine Station. Environmental Science & Technology, 2021, 55, 13677-13686.	10.0	21
10	Utilization of scattering and absorption-based particulate matter sensors in the environment impacted by residential wood combustion. Journal of Aerosol Science, 2020, 150, 105671.	3.8	20
11	Global Air Quality and COVID-19 Pandemic: Do We Breathe Cleaner Air?. Aerosol and Air Quality Research, 2021, 21, 200567.	2.1	20
12	High-resolution large-eddy simulation of indoor turbulence and its effect on airborne transmission of respiratory pathogens—Model validation and infection probability analysis. Physics of Fluids, 2022, 34, 015124.	4.0	19
13	Input-Adaptive Proxy for Black Carbon as a Virtual Sensor. Sensors, 2020, 20, 182.	3.8	16
14	Experimental and numerical analysis of fine particle and soot formation in a modern 100 MW pulverized biomass heating plant. Combustion and Flame, 2022, 240, 111960.	5.2	13
15	Concentrations and Size Distributions of Particle Lung-deposited Surface Area (LDSA) in an Underground Mine. Aerosol and Air Quality Research, 2021, 21, 200660.	2.1	11
16	Effects of marine fuel sulfur restrictions on particle number concentrations and size distributions in ship plumes in the Baltic Sea. Atmospheric Chemistry and Physics, 2021, 21, 3215-3234.	4.9	8
17	Opinion: Insights into updating Ambient Air Quality Directive 2008/50/EC. Atmospheric Chemistry and Physics, 2022, 22, 4801-4808.	4.9	8
18	Added Value of Vaisala AQT530 Sensors as a Part of a Sensor Network for Comprehensive Air Quality Monitoring. Frontiers in Environmental Science, 2021, 9, .	3.3	6

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#	Article	IF	CITATIONS
19	Cantilever-enhanced photoacoustic measurement of light-absorbing aerosols. Aerosol Science and Technology, 2022, 56, 92-100.	3.1	5
20	Input-adaptive linear mixed-effects model for estimating alveolar lung-deposited surface area (LDSA) using multipollutant datasets. Atmospheric Chemistry and Physics, 2022, 22, 1861-1882.	4.9	3
21	Bioaerosols in the atmosphere at two sites in Northern Europe in spring 2021: Outline of an experimental campaign. Environmental Research, 2022, 214, 113798.	7.5	1