

Joel Kuula

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

575
citations

687363

13
h-index

713466

21
g-index

32
all docs

32
docs citations

32
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , 2021, 157, 106818.	10.0	126
2	Laboratory evaluation of particle-size selectivity of optical low-cost particulate matter sensors. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2413-2423.	3.1	88
3	Intelligent Calibration and Virtual Sensing for Integrated Low-Cost Air Quality Sensors. <i>IEEE Sensors Journal</i> , 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. <i>Environmental Pollution</i> , 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. <i>Aerosol Science and Technology</i> , 2020, 54, 190-202.	3.1	35
6	Applicability of Optical and Diffusion Charging-Based Particulate Matter Sensors to Urban Air Quality Measurements. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1024-1039.	2.1	22
7	Response Characterization of an Inexpensive Aerosol Sensor. <i>Sensors</i> , 2017, 17, 2915.	3.8	21
8	Evaluation of white-box versus black-box machine learning models in estimating ambient black carbon concentration. <i>Journal of Aerosol Science</i> , 2021, 152, 105694.	3.8	21
9	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.	10.0	21
10	Utilization of scattering and absorption-based particulate matter sensors in the environment impacted by residential wood combustion. <i>Journal of Aerosol Science</i> , 2020, 150, 105671.	3.8	20
11	Global Air Quality and COVID-19 Pandemic: Do We Breathe Cleaner Air?. <i>Aerosol and Air Quality Research</i> , 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. <i>Physics of Fluids</i> , 2022, 34, 015124.	4.0	19
13	Input-Adaptive Proxy for Black Carbon as a Virtual Sensor. <i>Sensors</i> , 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. <i>Combustion and Flame</i> , 2022, 240, 111960.	5.2	13
15	Concentrations and Size Distributions of Particle Lung-deposited Surface Area (LDSA) in an Underground Mine. <i>Aerosol and Air Quality Research</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3215-3234.	4.9	8
17	Opinion: Insights into updating Ambient Air Quality Directive 2008/50/EC. <i>Atmospheric Chemistry and Physics</i> , 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. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	6

#	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