

Gerrit Kuhlmann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

210
citations

8
h-index

14
g-index

49
ext. papers

289
ext. citations

4.3
avg, IF

3.21
L-index

#	Paper	IF	Citations
18	Mapping the spatial distribution of NO ₂ with in situ and remote sensing instruments during the Munich NO ₂ imaging campaign. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 1609-1629	4	0
17	Impact of 3D radiative transfer on airborne NO ₂ imaging remote sensing over cities with buildings. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 6469-6482	4	2
16	Quantifying CO ₂ Emissions of Power Plants With CO ₂ and NO ₂ Imaging Satellites. <i>Frontiers in Remote Sensing</i> , 2021 , 2,	1	5
15	Importance of satellite observations for high-resolution mapping of near-surface NO ₂ by machine learning. <i>Remote Sensing of Environment</i> , 2021 , 264, 112573	13.2	6
14	Urban greenhouse gas emissions from the Berlin area: A case study using airborne CO ₂ and CH ₄ in situ observations in summer 2018. <i>Elementa</i> , 2020 , 8,	3.6	10
13	Spatial and temporal representativeness of point measurements for nitrogen dioxide pollution levels in cities. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 13241-13251	6.8	2
12	Three-dimensional radiative transfer effects on airborne and ground-based trace gas remote sensing. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 4277-4293	4	4
11	Quantifying CO ₂ emissions of a city with the Copernicus Anthropogenic CO ₂ Monitoring satellite mission. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6733-6754	4	7
10	An online emission module for atmospheric chemistry transport models: implementation in COSMO-GHG v5.6a and COSMO-ART v5.1-3.1. <i>Geoscientific Model Development</i> , 2020 , 13, 2379-2392	6.3	6
9	Accounting for the vertical distribution of emissions in atmospheric CO ₂ simulations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 4541-4559	6.8	16
8	Detectability of CO ₂ emission plumes of cities and power plants with the Copernicus Anthropogenic CO ₂ Monitoring (CO ₂ M) mission. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 6695-6719	4	33
7	An Algorithm for In-Flight Spectral Calibration of Imaging Spectrometers. <i>Remote Sensing</i> , 2016 , 8, 10175		18
6	Development of a custom OMI NO ₂ data product for evaluating biases in a regional chemistry transport model. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5627-5644	6.8	29
5	The greenhouse gas project of ESA's climate change initiative (GHG-CCI): overview, achievements and future plans. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 2015 , XL-7/W3, 165-172	2.5	1
4	A novel gridding algorithm to create regional trace gas maps from satellite observations. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 451-467	4	22
3	An integrated approach to identify the biomass burning sources contributing to black carbon episodes in Hong Kong. <i>Atmospheric Environment</i> , 2013 , 80, 478-487	5.3	19
2	NO ₂ measurements in Hong Kong using LED based long path differential optical absorption spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 901-912	4	25

- 1 Comparing different light-emitting diodes as light sources for long path differential optical absorption spectroscopy NO₂ and SO₂ measurements. *Chinese Physics B*, **2012**, 21, 119301 1.2 4