Matthias Buschmann

List of Publications by Year
in descending order

10 papers	195 citations	1307594 7 h-index	1372567 10 g-index
22 all docs	22 docs citations	22 times ranked	421 citing authors

#	Article	IF	Citations
1	Validation of methane and carbon monoxide from Sentinel-5 Precursor using TCCON and NDACC-IRWG stations. Atmospheric Measurement Techniques, 2021, 14, 6249-6304.	3.1	57
2	A comprehensive in situ and remote sensing data set from the Arctic CLoud Observations Using airborne measurements during polar Day (ACLOUD) campaign. Earth System Science Data, 2019, 11, 1853-1881.	9.9	42
3	Making better sense of the mosaic of environmental measurement networks: aÂsystem-of-systems approach and quantitative assessment. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 453-472.	1.6	23
4	Retrieval of xCO₂ from ground-based mid-infrared (NDACC) solar absorption spectra and comparison to TCCON. Atmospheric Measurement Techniques, 2016, 9, 577-585.	3.1	18
5	XCO₂ retrieval for GOSAT and GOSAT-2 based on the FOCAL algorithm. Atmospheric Measurement Techniques, 2021, 14, 3837-3869.	3.1	15
6	Retrieval of greenhouse gases from GOSAT and GOSAT-2 using the FOCAL algorithm. Atmospheric Measurement Techniques, 2022, 15, 3401-3437.	3.1	10
7	On the influence of underlying elevation data on Sentinel-5 Precursor TROPOMI satellite methane retrievals over Greenland. Atmospheric Measurement Techniques, 2022, 15, 4063-4074.	3.1	8
8	The arctic seasonal cycle of total column CO₂ and CH₄ from ground-based solar and lunar FTIR absorption spectrometry. Atmospheric Measurement Techniques, 2017, 10, 2397-2411.	3.1	4
9	On the consistency of methane retrievals using the Total Carbon Column Observing Network (TCCON) and multiple spectroscopic databases. Atmospheric Measurement Techniques, 2022, 15, 2377-2406.	3.1	3
10	Nitrous Oxide Profiling from Infrared Radiances (NOPIR): Algorithm Description, Application to 10 Years of IASI Observations and Quality Assessment. Remote Sensing, 2022, 14, 1810.	4.0	0