Catherine Wespes

List of Publications by Year
in descending order

17	1,477	759055 12	996849 15
papers	citations	h-index	g-index

19	19	19	2064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploiting night-time averaged spectra from PFS/MEX shortwave channel. Part 1: Temperature retrieval from the CO2 Î½3 band. Planetary and Space Science, 2021, 198, 105186.	0.9	0
2	Exploiting night-time averaged spectra from PFS/MEX shortwave channel. Part 2: Near-surface CO retrievals. Planetary and Space Science, 2021, 199, 105188.	0.9	0
3	Oxidation of low-molecular-weight organic compounds in cloud droplets: global impact on tropospheric oxidants. Atmospheric Chemistry and Physics, 2021, 21, 9909-9930.	1.9	7
4	Antarctic Ozone Enhancement During the 2019 Sudden Stratospheric Warming Event. Geophysical Research Letters, 2020, 47, e2020GL087810.	1.5	40
5	Is the recovery of stratospheric O₃ speeding up in the Southern Hemisphere? An evaluation from the first IASI decadal record (2008â€“2017). Atmospheric Chemistry and Physics, 2019, 19, 14031-14056.	1.9	9
6	Spatio-temporal variations of nitric acid total columns from 9 years of IASI measurements â€“ a driver study. Atmospheric Chemistry and Physics, 2018, 18, 4403-4423.	1.9	3
7	Decrease in tropospheric O₃ levels in the Northern Hemisphere observed by IASI. Atmospheric Chemistry and Physics, 2018, 18, 6867-6885.	1.9	14
8	The chemistryâ€“climate model ECHAM6.3-HAM2.3-MOZ1.0. Geoscientific Model Development, 2018, 11, 1695-1723.	1.3	51
9	Validation of the IASI FORLI/EUMETSAT ozone products using satellite (GOME-2), ground-based (Brewerâ€“Dobson, SAOZ, FTIR) and ozonesonde measurements. Atmospheric Measurement Techniques, 2018, 11, 5125-5152.	1.2	47
10	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. Elementa, 2018, 6, .	1.1	240
11	O 3 variability in the troposphere as observed by IASI over 2008â€“2016: Contribution of atmospheric chemistry and dynamics. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2429-2451.	1.2	32
12	First characterization and validation of FORLI-HNO₃ vertical profiles retrieved from IASI/Metop. Atmospheric Measurement Techniques, 2016, 9, 4783-4801.	1.2	15
13	Ozone variability in the troposphere and the stratosphere from the first 6 years of IASI observations (2008â€“2013). Atmospheric Chemistry and Physics, 2016, 16, 5721-5743.	1.9	25
14	Tropospheric ozone and nitrogen dioxide measurements in urban and rural regions as seen by IASI and GOMEâ€2. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,555.	1.2	41
15	Analysis of ozone and nitric acid in spring and summer Arctic pollution using aircraft, ground-based, satellite observations and MOZART-4 model: source attribution and partitioning. Atmospheric Chemistry and Physics, 2012, 12, 237-259.	1.9	96
16	FORLI radiative transfer and retrieval code for IASI. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1391-1408.	1.1	162
17	Monitoring of atmospheric composition using the thermal infrared IASI/MetOp sounder. Atmospheric Chemistry and Physics, 2009, 9, 6041-6054.	1.9	694