

# Catherine Wespes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1698284/publications.pdf>

Version: 2024-02-01

17  
papers

1,477  
citations

759055

12  
h-index

996849

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of atmospheric composition using the thermal infrared IASI/MetOp sounder. Atmospheric Chemistry and Physics, 2009, 9, 6041-6054.	1.9	694
2	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
3	FORLI radiative transfer and retrieval code for IASI. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1391-1408.	1.1	162
4	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
5	The chemistryâ€‘climate model ECHAM6.3-HAM2.3-MOZ1.0. Geoscientific Model Development, 2018, 11, 1695-1723.	1.3	51
6	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
7	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
8	Antarctic Ozone Enhancement During the 2019 Sudden Stratospheric Warming Event. Geophysical Research Letters, 2020, 47, e2020GL087810.	1.5	40
9	O <sub>3</sub> 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
10	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
11	First characterization and validation of FORLI-HNO <sub>3</sub> vertical profiles retrieved from IASI/Metop. Atmospheric Measurement Techniques, 2016, 9, 4783-4801.	1.2	15
12	Decrease in tropospheric O <sub>3</sub> levels in the Northern Hemisphere observed by IASI. Atmospheric Chemistry and Physics, 2018, 18, 6867-6885.	1.9	14
13	Is the recovery of stratospheric O <sub>3</sub> 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
14	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
15	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
16	Exploiting night-time averaged spectra from PFS/MEX shortwave channel. Part 1: Temperature retrieval from the CO <sub>2</sub> Î½ <sub>23</sub> band. Planetary and Space Science, 2021, 198, 105186.	0.9	0
17	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