

Rolf RÃ¼fenacht

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

210
citations

1307594

7
h-index

1199594

12
g-index

33
all docs

33
docs citations

33
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	First middle-atmospheric zonal wind profile measurements with a new ground-based microwave Doppler-spectro-radiometer. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2647-2659.	3.1	53
2	Middle-atmospheric zonal and meridional wind profiles from polar, tropical and midlatitudes with the ground-based microwave Doppler wind radiometer WIRA. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 4491-4505.	3.1	39
3	Intercomparison of middle-atmospheric wind in observations and models. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1971-1987.	3.1	24
4	Middle Atmosphere Variability and Model Uncertainties as Investigated in the Framework of the ARISE Project. , 2019, , 845-887.		17
5	WIRA-C: a compact 142-GHz-radiometer for continuous middle-atmospheric wind measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5007-5024.	3.1	14
6	Introduction to the MaÃ±do Lidar Calibration Campaign dedicated to the validation of upper air meteorological parameters. <i>Journal of Applied Remote Sensing</i> , 2015, 9, 094099.	1.3	13
7	Results from the validation campaign of the ozone radiometer GROMOS-C at the NDACC station of RÄ©union island. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7531-7543.	4.9	11
8	First continuous ground-based observations of long period oscillations in the vertically resolved wind field of the stratosphere and mesosphere. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4915-4925.	4.9	9
9	EUNADICS-AV early warning system dedicated to supporting aviation in the case of a crisis from natural airborne hazards and radionuclide clouds. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3367-3405.	3.6	8
10	Study of the dependence of long-term stratospheric ozone trends on local solar time. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8453-8471.	4.9	7
11	The importance of signals in the Doppler broadening range for middle-atmospheric microwave wind and ozone radiometry. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 199, 77-88.	2.3	6
12	Investigation of Arctic middle-atmospheric dynamics using 3 years of H<sub>2</sub>O and O<sub>3</sub> measurements from microwave radiometers at Ny-Ä...lesund. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9927-9947.	4.9	3
13	Quasi 18â€h wave activity in ground-based observed mesospheric H<sub>2</sub>O over Bern, Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14905-14917.	4.9	2
14	Continuous Middle-Atmospheric Wind Profile Observations by Doppler Microwave Radiometry. , 2019, , 635-647.		2