Giovanni Muscari

List of Publications by Year
in descending order

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22	220	933447	1058476
papers	citations	10 h-index	14 g-index

28	28	28	391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retrieval of foreign-broadened water vapor continuum coefficients from emitted spectral radiance in the H_2O rotational band from 240 to 590 cm^-1. Optics Express, 2008, 16, 15816.	3.4	39
2	Measurements of low amounts of precipitable water vapor by millimeter wave spectroscopy: An intercomparison with radiosonde, Raman lidar, and Fourier transform infrared data. Journal of Geophysical Research, 2008, 113, .	3.3	20
3	Effect of surface albedo, water vapour, and atmospheric aerosols on the cloud-free shortwave radiative budget in the Arctic. Climate Dynamics, 2012, 39, 953-969.	3.8	20
4	Middle atmospheric O₃, CO, N₂O, HNO₃, and temperature profiles during the warm Arctic winter 2001â€“2002. Journal of Geophysical Research, 2007, 112, .	3.3	19
5	Evolution of temperature, O₃, CO, and N₂O profiles during the exceptional 2009 Arctic major stratospheric warming as observed by lidar and millimeterâ€wave spectroscopy at Thule (76.5Â°N, 68.8Â°W), Greenland. Journal of Geophysical Research, 2010, 115, .	3.3	19
6	Biogenic Aerosol in the Artic from Eight Years of MSA Data from Ny Ã…lesund (Svalbard Islands) and Thule (Greenland). Atmosphere, 2019, 10, 349.	2.3	17
7	Millimeter wave spectroscopic measurements over the South Pole: 5. Morphology and evolution of HNO3vertical distribution, 1993 versus 1995. Journal of Geophysical Research, 2000, 105, 17739-17750.	3.3	13
8	Evolution of the NOy-N2O correlation in the Antarctic stratosphere during 1993 and 1995. Journal of Geophysical Research, 2003, 108, .	3.3	13
9	Intercomparison of stratospheric HNO3measurements over Antarctica: Ground-based millimeter-wave versus UARS/MLS Version 5 retrievals. Journal of Geophysical Research, 2002, 107, ACH 25-1.	3.3	11
10	New insights on metals in the Arctic aerosol in a climate changing world. Science of the Total Environment, 2020, 741, 140511.	8.0	10
11	On the Radiative Impact of Biomass-Burning Aerosols in the Arctic: The August 2017 Case Study. Remote Sensing, 2022, 14, 313.	4.0	10
12	Stratoâ€mesospheric ozone measurements using groundâ€based millimeterâ€wave spectroscopy at Thule, Greenland. Journal of Geophysical Research, 2012, 117, .	3.3	6
13	Ground-based stratospheric O₃ and HNO₃ measurements at Thule, Greenland: an intercomparison with Aura MLS observations. Atmospheric Measurement Techniques, 2013, 6, 2441-2453.	3.1	6
14	Observations of surface radiation and stratospheric processes at Thule Air Base, Greenland, during the IPY. Annals of Geophysics, 2014, 57, .	1.0	6
15	VESPA-22: aÂground-based microwave spectrometer for long-term measurements of polar stratospheric water vapor. Atmospheric Measurement Techniques, 2018, 11, 1099-1117.	3.1	4
16	Revising the retrieval technique of a long-term stratospheric HNO₃ data set: from a constrained matrix inversion to the optimal estimation algorithm. Annales Geophysicae, 2011, 29, 1317-1330.	1.6	3
17	Measurements from ground and balloons during APE-GAIA â€“ A polar ozone library. Advances in Space Research, 2005, 36, 835-845.	2.6	2
18	Reply to comment by Rolf MÃ¼ller and Simone Tilmes on â€œMiddle atmospheric O₃, CO, N₂O, HNO₃, and temperature profiles during the warm Arctic winter 2001â€“2002â€• Journal of Geophysical Research, 2008, 113, .	3.3	1

#	Article	IF	Citations
19	Development of a 22 GHz ground-based spectrometer for middle atmospheric water vapour monitoring. European Journal of Remote Sensing, 2012, 45, 51-61.	3.5	1
20	An Intercomparison of Precipitable Water Vapor Measurements Obtained During the ECOWAR Field Campaign. , 2009, , .		0
21	ANNALS OF GEOPHYSICS: AD MAJORA. Annals of Geophysics, 2014, 57, .	1.0	0
22	The Istituto Nazionale di Geofisica e Vulcanologia Data Management System for the Arctic Sciences. Journal of Environmental Science and Engineering B, 2016, 5, .	0.2	0