

Anu Dudhia

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

723
citations

933447

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h-index

888059

17
g-index

30
all docs

30
docs citations

30
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimized forward model and retrieval scheme for MIPAS near-real-time data processing. Applied Optics, 2000, 39, 1323.	2.1	188
2	Microwindow selection for high-spectral-resolution sounders. Applied Optics, 2002, 41, 3665.	2.1	125
3	The Reference Forward Model (RFM). Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 186, 243-253.	2.3	80
4	Past changes in the vertical distribution of ozone – Part 1: Measurement techniques, uncertainties and availability. Atmospheric Measurement Techniques, 2014, 7, 1395-1427.	3.1	67
5	Ten years of MIPAS measurements with ESA Level 2 processor V6 – Part 1: Retrieval algorithm and diagnostics of the products. Atmospheric Measurement Techniques, 2013, 6, 2419-2439.	3.1	66
6	The vertical distribution of volcanic SO ₂ plumes measured by IASI. Atmospheric Chemistry and Physics, 2016, 16, 4343-4367.	4.9	47
7	Optimized spectral microwindows for data analysis of the Michelson Interferometer for Passive Atmospheric Sounding on the Environmental Satellite. Applied Optics, 2000, 39, 5531.	2.1	45
8	Fast monochromatic radiative transfer calculations for limb sounding. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 74, 745-756.	2.3	35
9	Satellite observations of stratospheric carbonyl fluoride. Atmospheric Chemistry and Physics, 2014, 14, 11915-11933.	4.9	13
10	Fast radiative transfer using monochromatic look-up tables. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 186, 254-264.	2.3	10
11	Fast retrievals of tropospheric carbonyl sulfide with IASI. Atmospheric Chemistry and Physics, 2017, 17, 2981-3000.	4.9	9
12	Comparison of the MIPAS products obtained by four different level 2 processors. Annals of Geophysics, 2014, 56, .	1.0	6
13	The ESA MIPAS/Envisat level2-v8 dataset: 10 years of measurements retrieved with ORM v8.22. Atmospheric Measurement Techniques, 2021, 14, 7975-7998.	3.1	5
14	Vertical level selection for temperature and trace gas profile retrievals using IASI. Atmospheric Measurement Techniques, 2015, 8, 2359-2369.	3.1	4
15	Merged ozone profiles from four MIPAS processors. Atmospheric Measurement Techniques, 2017, 10, 1511-1518.	3.1	3
16	A dual-satellite algorithm for deriving sea surface temperature. Quarterly Journal of the Royal Meteorological Society, 1988, 114, 1305-1319.	2.7	2
17	Level 2 processor and auxiliary data for ESA Version 8 final full mission analysis of MIPAS measurements on ENVISAT. Atmospheric Measurement Techniques, 2022, 15, 1871-1901.	3.1	2
18	A non-iterative linear retrieval for infrared high-resolution limb sounders. Atmospheric Measurement Techniques, 2013, 6, 1381-1396.	3.1	0