

Sara Venafra

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

327
citations

1163117

8
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Emissivity Based Indices for Drought and Forest Fire. , 2021, , .		2
2	Simultaneous retrieval of OCS, and CO2 from the IASI shortwave spectral band: assessment of the accuracy of the retrieval products and validation with in situ observations.. , 2020, , .		5
3	Emissivity-based vegetation indices to monitor deforestation and forest degradation in the Congo basin rainforest. , 2020, , .		4
4	SEVIRI Hyper-Fast Forward Model with Application to Emissivity Retrieval. Sensors, 2019, 19, 1532.	3.8	6
5	CO2 retrieval algorithm for the Infrared Atmospheric Sounder Interferometer: the potential of retrieving the vertical profile of carbon dioxide from its hot or laser bands in the 800-1200 cm-1 atmospheric window. , 2019, , .		4
6	An application to Mediterranean Sea of the SEVIRI level 2 processor for surface parameters. , 2019, , .		0
7	Physical Retrieval of Land Surface Emissivity Spectra from Hyper-Spectral Infrared Observations and Validation with In Situ Measurements. Remote Sensing, 2018, 10, 976.	4.0	29
8	Four years of IASI CO2, CH4, N2O retrievals: validation with in situ observations from the Mauna Loa station. , 2018, , .		2
9	Assessment of IASI capability for retrieving carbonyl sulphide (OCS). Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 201, 197-208.	2.3	16
10	Using the full IASI spectrum for the physical retrieval of temperature, H2O, HDO, O3, minor and trace gases. AIP Conference Proceedings, 2017, , .	0.4	1
11	The very first multi-temporal and multi-spectral Level-2 SEVIRI processor for the simultaneous physical retrieval of surface temperature and emissivity. AIP Conference Proceedings, 2017, , .	0.4	2
12	All-sky radiative transfer calculations for IASI and IASI-NG: The If-IAI-as code. AIP Conference Proceedings, 2017, , .	0.4	1
13	Physical inversion of the full IASI spectra: Assessment of atmospheric parameters retrievals, consistency of spectroscopy and forward modelling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 128-157.	2.3	51
14	Hyper fast radiative transfer for the physical retrieval of surface parameters from SEVIRI observations. Journal of Physics: Conference Series, 2015, 633, 012059.	0.4	3
15	SEVIRI Cloud mask by Cumulative Discriminant Analysis. Journal of Physics: Conference Series, 2015, 633, 012056.	0.4	1
16	Diurnal emissivity dynamics in bare versus biocrusted sand dunes. Science of the Total Environment, 2015, 506-507, 422-429.	8.0	29
17	Kalman filter physical retrieval of surface emissivity and temperature from SEVIRI infrared channels: a validation and intercomparison study. Atmospheric Measurement Techniques, 2015, 8, 2981-2997.	3.1	47
18	Diurnal variation in Sahara desert sand emissivity during the dry season from IASI observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1626-1638.	3.3	34

#	ARTICLE	IF	CITATIONS
19	Kalman filter physical retrieval of surface emissivity and temperature from geostationary infrared radiances. Atmospheric Measurement Techniques, 2013, 6, 3613-3634.	3.1	61
20	XMOD2"An improved geophysical model function to retrieve sea surface wind fields from Cosmo-Sky Med X-band data. European Journal of Remote Sensing, 2013, 46, 583-595.	3.5	23
21	Preliminary model for wind estimation from Cosmo/SkyMed X band SAR data. , 2010, , .		3
22	Surface parameters from SEVIRI observations through a Kalman filter approach: application and evaluation of the scheme in Southern Italy. Tethys, 0, , .	0.0	2