

Sara Venafra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4879265/publications.pdf>

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	Kalman filter physical retrieval of surface emissivity and temperature from geostationary infrared radiances. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 3613-3634.	3.1	61
2	Physical inversion of the full IASI spectra: Assessment of atmospheric parameters retrievals, consistency of spectroscopy and forward modelling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 128-157.	2.3	51
3	Kalman filter physical retrieval of surface emissivity and temperature from SEVIRI infrared channels: a validation and intercomparison study. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2981-2997.	3.1	47
4	Diurnal variation in Sahara desert sand emissivity during the dry season from IASI observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1626-1638.	3.3	34
5	Diurnal emissivity dynamics in bare versus biocrusted sand dunes. <i>Science of the Total Environment</i> , 2015, 506-507, 422-429.	8.0	29
6	Physical Retrieval of Land Surface Emissivity Spectra from Hyper-Spectral Infrared Observations and Validation with In Situ Measurements. <i>Remote Sensing</i> , 2018, 10, 976.	4.0	29
7	XMOD2"An improved geophysical model function to retrieve sea surface wind fields from Cosmo-Sky Med X-band data. <i>European Journal of Remote Sensing</i> , 2013, 46, 583-595.	3.5	23
8	Assessment of IASI capability for retrieving carbonyl sulphide (OCS). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 201, 197-208.	2.3	16
9	SEVIRI Hyper-Fast Forward Model with Application to Emissivity Retrieval. <i>Sensors</i> , 2019, 19, 1532.	3.8	6
10	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
11	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
12	Emissivity-based vegetation indices to monitor deforestation and forest degradation in the Congo basin rainforest. , 2020, , .		4
13	Preliminary model for wind estimation from Cosmo/SkyMed X band SAR data. , 2010, , .		3
14	Hyper fast radiative transfer for the physical retrieval of surface parameters from SEVIRI observations. <i>Journal of Physics: Conference Series</i> , 2015, 633, 012059.	0.4	3
15	The very first multi-temporal and multi-spectral Level-2 SEVIRI processor for the simultaneous physical retrieval of surface temperature and emissivity. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
16	Surface parameters from SEVIRI observations through a Kalman filter approach: application and evaluation of the scheme in Southern Italy. <i>Tethys</i> , 0, , .	0.0	2
17	Emissivity Based Indices for Drought and Forest Fire. , 2021, , .		2
18	Four years of IASI CO2, CH4, N2O retrievals: validation with in situ observations from the Mauna Loa station. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	SEVIRI Cloud mask by Cumulative Discriminant Analysis. Journal of Physics: Conference Series, 2015, 633, 012056.	0.4	1
20	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
21	All-sky radiative transfer calculations for IASI and IASI-NG: The if-IAI-as code. AIP Conference Proceedings, 2017, , .	0.4	1
22	An application to Mediterranean Sea of the SEVIRI level 2 processor for surface parameters. , 2019, , .		0