

Luca Milani

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

82
citations

1684188

5
h-index

1588992

8
g-index

18
all docs

18
docs citations

18
times ranked

40
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Link Budget in Satellite Communications at Ka-Band: Testing Radiometeorological Forecasts With Hayabusa2 Deep-Space Mission Support Data. IEEE Transactions on Wireless Communications, 2022, 21, 3935-3950.	9.2	4
2	Optimal Stochastic Prediction and Verification of Signal-to-Noise Ratio and Data Rate for Ka-Band Spaceborne Telemetry Using Weather Forecasts. IEEE Transactions on Antennas and Propagation, 2021, 69, 1065-1077.	5.1	9
3	Weather-forecast based RMOP link-budget approach experimentation: data-transfer optimization at Ka-band with Hayabusa-2 satellite mission support. , 2021, , .		2
4	Development and Application of Microwave Radiometric Techniques for Modeling Satellite-Earth Propagation at V and W Band. , 2021, , .		4
5	Improving atmospheric path attenuation estimates for radio propagation applications by microwave radiometric profiling. Atmospheric Measurement Techniques, 2021, 14, 2737-2748.	3.1	2
6	Sun-Tracking Ground-Based Microwave Radiometry: Challenges and Applications. , 2021, , .		1
7	Clear-Air Anomaly Masking Using Kalman Temporal Filter From Geostationary Multispectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7908-7919.	6.3	1
8	Exploiting Tropospheric Measurements From Sun-Tracking Radiometer for Radiopropagation Models at Centimeter and Millimeter Wave. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1697-1708.	4.9	5
9	Assessment and Uncertainty Estimation of Weather-Forecast Driven Data Transfer for Space Exploration at Ka - and X -Band. IEEE Transactions on Antennas and Propagation, 2019, 67, 3308-3322.	5.1	8
10	Modeling and Predicting Down-link Tropospheric Channel above Ku Band for Interplanetary Exploration. , 2019, , .		1
11	Clear-Air Anomaly Detection Using Modified Kalman Temporal Filter from Geostationary Multispectral Data. , 2018, , .		1
12	Predicting Mean Radiative Temperature at Millimeter Wavelengths in Continental Climate Areas. , 2018, , .		1
13	Assessing Radiative Transfer Models Trained by Numerical Weather Forecasts Using Sun-Tracking Radiometric Measurements for Satellite Link Characterization Up to W Band. , 2018, , .		0
14	Retrieval of Sun Brightness Temperature and Precipitating Cloud Extinction Using Ground-Based Sun-Tracking Microwave Radiometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3134-3147.	4.9	19
15	Improving weather-forecast based model chain to optimize data-volume transfer for Ka-band deep-space downlinks. , 2017, , .		1
16	Sun-Tracking Microwave Radiometry: All-Weather Estimation of Atmospheric Path Attenuation at Ka -, V -, and W -Band. IEEE Transactions on Antennas and Propagation, 2016, 64, 4815-4827.	5.1	20
17	Retrieval of precipitation extinction using ground-based sun-tracking millimeter-wave radiometry. , 2016, , .		3