

# Luca Milani

## List of Publications by Year in descending order

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17  
papers

82  
citations

1684188

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h-index

1588992

8  
g-index

18  
all docs

18  
docs citations

18  
times ranked

40  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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         |
| 4  | 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         |
| 5  | 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         |
| 6  | Development and Application of Microwave Radiometric Techniques for Modeling Satellite-Earth Propagation at V and W Band. , 2021, , .   |     | 4         |
| 7  | 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         |
| 8  | Retrieval of precipitation extinction using ground-based sun-tracking millimeter-wave radiometry. , 2016, , .   |     | 3         |
| 9  | Weather-forecast based RMOP link-budget approach experimentation: data-transfer optimization at Ka-band with Hayabusa-2 satellite mission support. , 2021, , .  |     | 2         |
| 10 | Improving atmospheric path attenuation estimates for radio propagation applications by microwave radiometric profiling. Atmospheric Measurement Techniques, 2021, 14, 2737-2748.  | 3.1 | 2         |
| 11 | Improving weather-forecast based model chain to optimize data-volume transfer for Ka-band deep-space downlinks. , 2017, , .   |     | 1         |
| 12 | Clear-Air Anomaly Detection Using Modified Kalman Temporal Filter from Geostationary Multispectral Data. , 2018, , .  |     | 1         |
| 13 | Predicting Mean Radiative Temperature at Millimeter Wavelengths in Continental Climate Areas. , 2018, , .   |     | 1         |
| 14 | Modeling and Predicting Down-link Tropospheric Channel above Ku Band for Interplanetary Exploration. , 2019, , .  |     | 1         |
| 15 | 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         |
| 16 | Sun-Tracking Ground-Based Microwave Radiometry: Challenges and Applications. , 2021, , .  |     | 1         |
| 17 | Assessing Radiative Transfer Models Trained by Numerical Weather Forecasts Using Sun-Tracking Radiometric Measurements for Satellite Link Characterization Up to W Band. , 2018, , .  |     | 0         |