Mariassunta Viggiano

List of Publications by Year
in descending order

16 papers	**226** citations	1040056 **9** h-index	996975 **15** g-index
16 all docs	**16** docs citations	**16** times ranked	**360** citing authors

#	Article	IF	Citations
1	Downstream Services for Rice Crop Monitoring in Europe: From Regional to Local Scale. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5423-5441.	4.9	37
2	Analysis of Catania Flash Flood Case Study by Using Combined Microwave and Infrared Technique. Journal of Hydrometeorology, 2014, 15, 1989-1998.	1.9	31
3	Analysis of Livorno Heavy Rainfall Event: Examples of Satellite-Based Observation Techniques in Support of Numerical Weather Prediction. Remote Sensing, 2018, 10, 1549.	4.0	27
4	Nowcasting Surface Solar Irradiance with AMESIS via Motion Vector Fields of MSG-SEVIRI Data. Remote Sensing, 2018, 10, 845.	4.0	23
5	Dust Detection and Optical Depth Retrieval Using MSG–SEVIRI Data. Atmosphere, 2013, 4, 35-47.	2.3	18
6	A new spatial modeling and interpolation approach for high-resolution temperature maps combining reanalysis data and ground measurements. Agricultural and Forest Meteorology, 2019, 276-277, 107590.	4.8	17
7	Improvement in Surface Solar Irradiance Estimation Using HRV/MSG Data. Remote Sensing, 2018, 10, 1288.	4.0	14
8	Fog Detection Based on Meteosat Second Generation-Spinning Enhanced Visible and InfraRed Imager High Resolution Visible Channel. Remote Sensing, 2018, 10, 541.	4.0	14
9	The Role of Emissivity in the Detection of Arctic Night Clouds. Remote Sensing, 2017, 9, 406.	4.0	9
10	MiRTaW: An Algorithm for Atmospheric Temperature and Water Vapor Profile Estimation from ATMS Measurements Using a Random Forests Technique. Remote Sensing, 2018, 10, 1398.	4.0	9
11	3D-VAR Data Assimilation of SEVIRI Radiances for the Prediction of Solar Irradiance in Italy Using WRF Solar Mesoscale Model–Preliminary Results. Remote Sensing, 2020, 12, 920.	4.0	7
12	Improvement of Hourly Surface Solar Irradiance Estimation Using MSG Rapid Scanning Service. Remote Sensing, 2019, 11, 66.	4.0	6
13	Downscaling of Satellite OPEMW Surface Rain Intensity Data. Remote Sensing, 2018, 10, 1763.	4.0	5
14	Convective Initiation Proxies for Nowcasting Precipitation Severity Using the MSG-SEVIRI Rapid Scan. Remote Sensing, 2020, 12, 2562.	4.0	4
15	Fog Forecast Using WRF Model Output for Solar Energy Applications. Energies, 2020, 13, 6140.	3.1	3
16	The role of temporal resolution of meteorological inputs from reanalysis data in estimating air humidity for modelling applications. Agricultural and Forest Meteorology, 2021, 311, 108672.	4.8	2