Elisabetta Ricciardelli

List of Publications by Year
in descending order

22 papers	**416** citations	687363 **13** h-index	752698 **20** g-index
23 all docs	**23** docs citations	**23** times ranked	**550** citing authors

#	Article	IF	Citations
1	Physical and statistical approaches for cloud identification using Meteosat Second Generation-Spinning Enhanced Visible and Infrared Imager Data. Remote Sensing of Environment, 2008, 112, 2741-2760.	11.0	72
2	An Advanced Model for the Estimation of the Surface Solar Irradiance Under All Atmospheric Conditions Using MSG/SEVIRI Data. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2934-2953.	6.3	38
3	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
4	Analysis of Catania Flash Flood Case Study by Using Combined Microwave and Infrared Technique. Journal of Hydrometeorology, 2014, 15, 1989-1998.	1.9	31
5	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
6	Combined MW-IR Precipitation Evolving Technique (PET) of convective rain fields. Natural Hazards and Earth System Sciences, 2012, 12, 3557-3570.	3.6	25
7	A statistical approach for rain intensity differentiation using Meteosat Second Generation–Spinning Enhanced Visible and InfraRed Imager observations. Hydrology and Earth System Sciences, 2014, 18, 2559-2576.	4.9	25
8	Nowcasting Surface Solar Irradiance with AMESIS via Motion Vector Fields of MSG-SEVIRI Data. Remote Sensing, 2018, 10, 845.	4.0	23
9	Validation of satellite OPEMW precipitation product with ground-based weather radar and rain gauge networks. Atmospheric Measurement Techniques, 2013, 6, 3181-3196.	3.1	21
10	Dust Detection and Optical Depth Retrieval Using MSG–SEVIRI Data. Atmosphere, 2013, 4, 35-47.	2.3	18
11	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
12	Improvement in Surface Solar Irradiance Estimation Using HRV/MSG Data. Remote Sensing, 2018, 10, 1288.	4.0	14
13	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
14	The Role of Emissivity in the Detection of Arctic Night Clouds. Remote Sensing, 2017, 9, 406.	4.0	9
15	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
16	A Technique for Classifying Uncertain MOD35/MYD35 Pixels Through Meteosat Second Generation-Spinning Enhanced Visible and Infrared Imager Observations. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2137-2149.	6.3	8
17	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
18	Improvement of Hourly Surface Solar Irradiance Estimation Using MSG Rapid Scanning Service. Remote Sensing, 2019, 11, 66.	4.0	6

#	Article	IF	Citations
19	Downscaling of Satellite OPEMW Surface Rain Intensity Data. Remote Sensing, 2018, 10, 1763.	4.0	5
20	Convective Initiation Proxies for Nowcasting Precipitation Severity Using the MSG-SEVIRI Rapid Scan. Remote Sensing, 2020, 12, 2562.	4.0	4
21	Fog Forecast Using WRF Model Output for Solar Energy Applications. Energies, 2020, 13, 6140.	3.1	3
22	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