

# Rosa Claudia Torcasio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5010794/publications.pdf>

Version: 2024-02-01

17  
papers

204  
citations

1040056

9  
h-index

1058476

14  
g-index

23  
all docs

23  
docs citations

23  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Precipitation Structure of the Mediterranean Tropical-Like Cyclone Numa: Analysis of GPM Observations and Numerical Weather Prediction Model Simulations. <i>Remote Sensing</i> , 2019, 11, 1690.	4.0	33
2	The impact of lightning and radar reflectivity factor data assimilation on the very short-term rainfall forecasts of RAMS@ISAC: application to two case studies in Italy. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 1839-1864.	3.6	30
3	A Hydrodynamic Model for Covalent Semiconductors with Applications to GaN and SiC. <i>Acta Applicandae Mathematicae</i> , 2012, 122, 335.	1.0	19
4	Impact of Lightning Data Assimilation on the Short-Term Precipitation Forecast over the Central Mediterranean Sea. <i>Remote Sensing</i> , 2021, 13, 682.	4.0	19
5	Data assimilation of GPS-ZTD into the RAMS model through 3D-Var: preliminary results at the regional scale. <i>Measurement Science and Technology</i> , 2019, 30, 055801.	2.6	17
6	Evaluation of the Sensitivity of Medicane Ianos to Model Microphysics and Initial Conditions Using Satellite Measurements. <i>Remote Sensing</i> , 2021, 13, 4984.	4.0	15
7	Comparison of hourly surface downwelling solar radiation estimated from MSGâ€“SEVIRI and forecast by the RAMS model with pyranometers over Italy. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2337-2352.	3.1	13
8	Lightning data assimilation in the WRF-ARW model for short-term rainfall forecasts of three severe storm cases in Italy. <i>Atmospheric Research</i> , 2021, 247, 105246.	4.1	12
9	A hydrodynamical model for covalent semiconductors with a generalized energy dispersion relation. <i>European Journal of Applied Mathematics</i> , 2014, 25, 255-276.	2.9	10
10	Verification of a Real Time Weather Forecasting System in Southern Italy. <i>Advances in Meteorology</i> , 2015, 2015, 1-14.	1.6	10
11	Impact of Radar Reflectivity and Lightning Data Assimilation on the Rainfall Forecast and Predictability of a Summer Convective Thunderstorm in Southern Italy. <i>Atmosphere</i> , 2021, 12, 958.	2.3	7
12	Application of Lightning Data Assimilation for the 10 October 2018 Case Study over Sardinia. <i>Atmosphere</i> , 2020, 11, 541.	2.3	6
13	Multi-instrumental Analysis of the Extreme Meteorological Event Occurred in Matera (Italy) on November 2019. <i>Lecture Notes in Computer Science</i> , 2021, , 140-154.	1.3	3
14	Improvement of Solar and Wind forecasting in southern Italy through a multi-model approach: preliminary results. <i>Advances in Science and Research</i> , 0, 13, 69-73.	1.0	3
15	Three-model ensemble wind prediction in southern Italy. <i>Annales Geophysicae</i> , 2016, 34, 347-356.	1.6	1
16	Improvement of quantitative precipitation forecast at the short range through lightning data assimilation. , 2022, , 661-688.		1
17	Pyrgi: analysis of possible climatic effects on a coastal archaeological site. <i>Proceedings E Report</i> , 0, , 17-27.	0.0	0