Giovanna Venuti

List of Publications by Year
in descending order

18 papers	374 citations	1040056 9 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	392 citing authors

#	Article	IF	Citations
1	The Bayesian detection of discontinuities in a polynomial regression and its application to the cycle-slip problem. Journal of Geodesy, 2008, 82, 527-542.	3.6	71
2	Detection of water vapor time variations associated with heavy rain in northern Italy by geodetic and low-cost GNSS receivers. Earth, Planets and Space, 2018, 70, .	2.5	59
3	Tomographic reconstruction of wet and total refractivity fields from GNSS receiver networks. Advances in Space Research, 2011, 47, 898-912.	2.6	47
4	The height datum problem and the role of satellite gravity models. Journal of Geodesy, 2013, 87, 15-22.	3.6	36
5	A Synergistic Use of a High-Resolution Numerical Weather Prediction Model and High-Resolution Earth Observation Products to Improve Precipitation Forecast. Remote Sensing, 2019, 11, 2387.	4.0	35
6	Atmospheric Phase Screen in GEO-SAR: Estimation and Compensation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1668-1679.	6.3	33
7	Effect of the ingestion in the WRF model of different Sentinel-derived and GNSS-derived products: analysis of the forecasts of a high impact weather event. European Journal of Remote Sensing, 2019, 52, 16-33.	3.5	16
8	On the explicit determination of stability constants for linearized geodetic boundary value problems. Journal of Geodesy, 2008, 82, 909-916.	3.6	13
9	Excess Path Delays From Sentinel Interferometry to Improve Weather Forecasts. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3213-3228.	4.9	13
10	On the Definition of the Strategy to Obtain Absolute InSAR Zenith Total Delay Maps for Meteorological Applications. Frontiers in Earth Science, 2020, 8, .	1.8	12
11	Joint Exploitation of SAR and GNSS for Atmospheric Phase Screens Retrieval Aimed at Numerical Weather Prediction Model Ingestion. Remote Sensing, 2020, 12, 654.	4.0	12
12	Mitigation of atmospheric delay in InSAR: The ESA Metawave project. , 2011, , .		10
13	The impact of relative and absolute GNSS positioning strategies on estimated coordinates and ZWD in the framework of meteorological applications. Applied Geomatics, 2019, 11, 25-38.	2.5	4
14	Ingestion of Sentinel-Derived Remote Sensing Products in Numerical Weather Prediction Models: First Results of the ESA Steam Project. , 2018, , .		2
15	Precipitable Water Vapor Content from GNSS/GPS: Validation Against Radiometric Retrievals, Atmospheric Sounding and ECMWF Model Outputs over a Test Area in Milan. Communications in Computer and Information Science, 2020, , 27-34.	0.5	2
16	Sensitivity of some African heavy rainfall events to microphysics and planetary boundary layer schemes: Impacts on localised storms. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2448-2468.	2.7	1
17	Statistical Comparison Between Different Approaches to GNSS Single-Frequency Data Processing for Meteorological Applications. Communications in Computer and Information Science, 2020, , 16-26.	0.5	1
18	Reconstructing Environmental Variables with Missing Field Data via End-to-End Machine Learning. Proceedings of the International Neural Networks Society, 2020, , 167-178.	0.6	1