

Riccardo Biondi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

637
citations

623734

14
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

853
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite and Ground-Based Sensors for the Urban Heat Island Analysis in the City of Rome. <i>Remote Sensing</i> , 2010, 2, 1400-1415.	4.0	93
2	Satellite air temperature estimation for monitoring the canopy layer heat island of Milan. <i>Remote Sensing of Environment</i> , 2012, 127, 130-138.	11.0	85
3	Thermal structure of intense convective clouds derived from GPS radio occultations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5309-5318.	4.9	61
4	First Results of the "Carbonaceous Aerosol in Rome and Environs (CARE)" Experiment: Beyond Current Standards for PM10. <i>Atmosphere</i> , 2017, 8, 249.	2.3	54
5	Radio occultation and ground-based GNSS products for observing, understanding and predicting extreme events: A review. <i>Atmospheric Research</i> , 2019, 230, 104624.	4.1	41
6	Tropical cyclone cloud-top height and vertical temperature structure detection using GPS radio occultation measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5247-5259.	3.3	39
7	Characterization of thermal structure and conditions for overshooting of tropical and extratropical cyclones with GPS radio occultation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5181-5193.	4.9	34
8	Assessing the effects of air temperature and rainfall on malaria incidence: an epidemiological study across Rwanda and Uganda. <i>Geospatial Health</i> , 2016, 11, 379.	0.8	26
9	The usefulness of the Global Navigation Satellite Systems (GNSS) in the analysis of precipitation events. <i>Atmospheric Research</i> , 2016, 167, 15-23.	4.1	25
10	Supporting the detection and monitoring of volcanic clouds: A promising new application of Global Navigation Satellite System radio occultation. <i>Advances in Space Research</i> , 2017, 60, 2707-2722.	2.6	22
11	Tropical Temperature Variability in the UTLS: New Insights from GPS Radio Occultation Observations. <i>Journal of Climate</i> , 2021, 34, 2813-2838.	3.2	21
12	Cross-Comparison and Methodological Improvement in GPS Tomography. <i>Remote Sensing</i> , 2020, 12, 30.	4.0	19
13	Comparison of fractal dimension oscillations and trends of rainfall data from Pastaza Province, Ecuador and Veneto, Italy. <i>Atmospheric Research</i> , 2009, 93, 673-679.	4.1	18
14	Temporal complexity of daily precipitation records from different atmospheric environments: Chaotic and Levy stable parameters. <i>Atmospheric Research</i> , 2011, 101, 879-892.	4.1	16
15	Radio occultation bending angle anomalies during tropical cyclones. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1053-1060.	3.1	14
16	Nonlinear dynamics of meteorological variables: multifractality and chaotic invariants in daily records from Pastaza, Ecuador. <i>Theoretical and Applied Climatology</i> , 2010, 102, 75-85.	2.8	13
17	A Generalized Deforestation and Land-Use Change Scenario Generator for Use in Climate Modelling Studies. <i>PLoS ONE</i> , 2015, 10, e0136154.	2.5	12
18	Measurements of the upper troposphere and lower stratosphere during tropical cyclones using the GPS radio occultation technique. <i>Advances in Space Research</i> , 2011, 47, 348-355.	2.6	10

#	ARTICLE	IF	CITATIONS
19	GNSS Radio Occultation Advances the Monitoring of Volcanic Clouds: The Case of the 2008 Kasatochi Eruption. <i>Remote Sensing</i> , 2019, 11, 2199.	4.0	8
20	A multi-sensor satellite-based archive of the largest SO ₂ volcanic eruptions since 2006. <i>Earth System Science Data</i> , 2020, 12, 3139-3159.	9.9	5
21	Validation of near infrared satellite based algorithms to retrieve atmospheric water vapour content over land. <i>European Journal of Remote Sensing</i> , 2009, , 37-44.	0.2	3
22	Tropical cyclones vertical structure from GNSS radio occultation: an archive covering the period 2001–2018. <i>Earth System Science Data</i> , 2020, 12, 2679-2693.	9.9	3
23	The 2015 Calbuco Volcanic Cloud Detection Using GNSS Radio Occultation and Satellite Lidar. , 2020, , .		2
24	Editorial for Special Issue “Convective and Volcanic Clouds (CVC)” <i>Remote Sensing</i> , 2020, 12, 2080.	4.0	1
25	Analysis of aerosol optical depth retrieved by MODIS and MERIS and comparison with photometer data. <i>European Journal of Remote Sensing</i> , 2009, , 5-10.	0.2	0
26	Bending Angle and Temperature Climatologies from Global Positioning System Radio Occultations. <i>Dataset Papers in Geosciences</i> , 2013, 2013, 1-5.	0.3	0