

Silvano Bertoldo

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

275
citations

1478505

6
h-index

1281871

11
g-index

39
all docs

39
docs citations

39
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral analysis of forest fire noise for early detection using wireless sensor networks. , 2016, , .		30
2	A solution for monitoring operations in harsh environment: A RFID reader for small UAV. , 2015, , .		27
3	X-Band Mini Radar for Observing and Monitoring Rainfall Events. Atmospheric and Climate Sciences, 2012, 02, 290-297.	0.3	23
4	Localization of RFID tags for environmental monitoring using UAV. , 2015, , .		22
5	Recharging RFID Tags for Environmental Monitoring Using UAVs: A Feasibility Analysis. Wireless Sensor Network, 2015, 07, 13-19.	1.3	20
6	Propagation measurements for a LoRa network in an urban environment. Journal of Electromagnetic Waves and Applications, 2019, 33, 2022-2036.	1.6	17
7	Feasibility Analysis of a LoRa-Based WSN Using Public Transport. Applied System Innovation, 2018, 1, 49.	4.6	16
8	A Wireless Sensor Network Ad-Hoc Designed as Anti-Theft Alarm System for Photovoltaic Panels. Wireless Sensor Network, 2012, 04, 107-112.	1.3	15
9	A multipurpose node for low cost wireless sensor network. , 2012, , .		13
10	An algorithm of the wildfire classification by its acoustic emission spectrum using Wireless Sensor Networks. Journal of Physics: Conference Series, 2017, 803, 012067.	0.4	9
11	A Network of Portable, Low-Cost, X-Band Radars. , 0, , .		8
12	Automatic storm(s) identification in high resolution, short range, X-band radar images. , 2013, , .		7
13	Safety in forest fire fighting action: a new radiometric model to evaluate the safety distance for firemen working with hand-operated systems. , 2012, , .		7
14	SIRIO: an integrated forest fire monitoring, detection and decision support system - performance and results of the installation in Sanremo (Italy). WIT Transactions on Ecology and the Environment, 2012, , .	0.0	7
15	Real time outdoor localization of buried RFID tags through statistical methods. , 2015, , .		6
16	Extreme rain events analysis using X-band weather radar. , 2015, , .		6
17	An Ad-Hoc Low Cost Wireless Sensor Network for Smart Gas Metering. Wireless Sensor Network, 2013, 05, 61-66.	1.3	6
18	Extreme Rainfall Event Analysis Using Rain Gauges in a Variety of Geographical Situations. Atmospheric and Climate Sciences, 2015, 05, 82-90.	0.3	5

#	ARTICLE	IF	CITATIONS
19	A standalone application to monitor the stability of a low cost maintenance free X-band mini weather radar, using ground clutter echoes. , 2012, , .		3
20	77 GHz automotive anti-collision radar used for meteorological purposes. , 2017, , .		3
21	Cars as a Diffuse Network of Road-Environment Monitoring Nodes. Wireless Sensor Network, 2014, 06, 184-191.	1.3	3
22	On the Use of a 77 GHz Automotive Radar as a Microwave Rain Gauge. Engineering, Technology & Applied Science Research, 2018, 8, 2356-2360.	1.9	3
23	Towards sustainable agricultural management using highresolution X-band radar precipitation estimates. , 2013, , .		2
24	Disposable falling sensors to monitor atmospheric parameters. , 2016, , .		2
25	Feasibility Study of LoRa Ad-Hoc Network in an Urban Noisy Environment. , 2018, , .		2
26	Real Time Monitoring of Extreme Rainfall Events with Simple X-Band Mini Weather Radar. Atmospheric and Climate Sciences, 2016, 06, 285-299.	0.3	2
27	X-Band Mini Radar for Observing and Monitoring Rainfall Events. Atmospheric and Climate Sciences, 2012, 02, 290-297.	0.3	2
28	Identification, tracking, validation and forecast of local high resolution precipitation patterns observed through X-band micro radars. , 2011, , .		1
29	A Wireless Sensor Network Board for Environmental Monitoring Using GNSS and Analog Triaxial Accelerometer. International Journal of Embedded Systems and Applications, 2012, 2, 35-43.	0.3	1
30	Characterization of the receiver filter of a X-band weather radar to improve the performance of an application to control the radar stability. , 2013, , .		1
31	A new wireless sensor network module for health monitoring of civil structures. , 2017, , .		1
32	Disposable radiosondes for tracking Lagrangian fluctuations inside warm clouds. , 2017, , .		1
33	Car as a moving meteorological integrated sensor. , 2017, , .		1
34	An Operative X-band Mini-radar Network to Monitor Rainfall Events with High Time and Space Resolution. Engineering, Technology & Applied Science Research, 2012, 2, 246-250.	1.9	1
35	Hail Sensing Probes: Feasibility Analysis for Probes to Monitor and Study Hail. Advances in Remote Sensing, 2016, 05, 43-50.	0.9	1
36	A New Modular Control Board for Pulse-Jet Cleaning of Dust Collector Filter Bags. Engineering, Technology & Applied Science Research, 2018, 8, 2799-2804.	1.9	1

#	ARTICLE	IF	CITATIONS
37	Preliminary analysis to design a 77 GHz weather radar. , 2017, , .		0
38	Identification of new road segments using a modified version of the k-means algorithm. , 2014, , .		0