

Ion Marghescu

List of Publications by Year in descending order

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55
papers

263
citations

1937685

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1720034

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g-index

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all docs

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docs citations

55
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Real-Life LoRaWAN Localization: Accuracy Dependencies Analysis Based on Outdoor Measurement Datasets. , 2022, , .		3
2	Wearables for Industrial Work Safety: A Survey. Sensors, 2021, 21, 3844.	3.8	45
3	Measurements of LoRaWAN Technology in Urban Scenarios: A Data Descriptor. Data, 2021, 6, 62.	2.3	10
4	State-of-the-Art of Industrial Wearables: A Systematic Review. , 2020, , .		9
5	WiMAX and WiFi network integration as backhaul on emergency communications. , 2018, , .		4
6	E2E QoS Support Aided ITPC WiFi Network for Baghdad City: Performance Analysis. , 2018, , .		0
7	WiMAX Network Aided SCIS for Baghdad City: Design and Analysis Using ICS Telecom. , 2018, , .		0
8	Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio. , 2018, , .		4
9	Design and Analysis of Wireless Networks Based on ITPC for Performance Improvement. , 2018, , .		0
10	New Energy Efficient Multi-Hop Routing Techniques for Wireless Sensor Networks: Static and Dynamic Techniques. Sensors, 2018, 18, 1863.	3.8	40
11	5G Fixed Wireless Access-Mobile Operator Perspective. , 2018, , .		9
12	5G Challenges, Requirements and Key Differentiating Characteristics from the Perspective of a Mobile Operator. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 64-70.	0.3	0
13	Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio. , 2018, , .		1
14	IMHT: Improved MHT-LEACH protocol for wireless sensor networks. , 2017, , .		11
15	DMHT-LEACH: Dynamic multi-hop technique for wireless sensor networks. , 2017, , .		7
16	DVB-T2 radio coverage analysis in Romania. , 2017, , .		5
17	Development and implementation of a Smart City Use Case in a 5G mobile network's operator. , 2017, , .		6
18	EDMHT-LEACH: Enhancing the performance of the DMHT-LEACH protocol for wireless sensor networks. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Design of secured WLAN by using "packet filtering firewall". , 2017, , .		1
20	Effects of using carrier aggregation with three component carriers in a mobile operator's network. , 2016, , .		4
21	Intra-car communications and diagnosis solutions. , 2016, , .		2
22	MHT: Multi-hop technique for the improvement of leach protocol. , 2016, , .		17
23	ANGLE-OF-ARRIVAL ESTIMATION IN MULTIPATH ENVIRONMENTS USING SLIDING ANTENNA ARRAYS. Progress in Electromagnetics Research Letters, 2015, 54, 101-105.	0.7	0
24	A Software-Defined Radio approach for locating Electric Arcs. , 2015, , .		0
25	A Software Radio approach for Electric Arc locating. , 2015, , .		1
26	Effects of enabling carrier aggregation in a mobile operator network. , 2015, , .		0
27	Enhanced IRC-SIC algorithm with beamforming for MU-MIMO systems. , 2015, , .		3
28	High efficiency DC-DC converter using GaN transistors. Proceedings of SPIE, 2015, , .	0.8	1
29	A Software Radio approach for locating unintentional ozone-generating sources. , 2015, , .		2
30	Performance Analysis of MUSIC and Capon DOA Estimation Algorithms in Cognitive Radio Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 142-148.	0.3	1
31	Analysis and Measurements of Wi-Fi Offloading Solutions. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 127-134.	0.3	0
32	An accurate average energy detection algorithm for spectrum sensing in cognitive radio systems. , 2014, , .		3
33	MIMO-OFDM: Maximum diversity using maximum likelihood detector. , 2014, , .		9
34	Data collection for spectrum sensing algorithms based on USRP. , 2014, , .		2
35	Spectrum sensing based on spectral correlation for cognitive radio systems. , 2014, , .		4
36	Investigations on silicon and PCB ground system design for new 1.2V DDR4 power sources. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Controller for reducing the EMI in gas gauge and battery management units. , 2013, , .		1
38	Cosmic radiation detector performances in salt mines. , 2013, , .		0
39	Transmit diversity in LTE network. , 2013, , .		2
40	Integrated Circuits Characterization Platform (ICCP). , 2013, , .		0
41	LTE downlink performance. , 2012, , .		1
42	LTE network time synchronization. , 2012, , .		0
43	RAKE receiver performances for PAM-TH-UWB systems. , 2011, , .		0
44	User requirements in the context of future location based services as seen from a survey among Romanian students. , 2011, , .		1
45	Impact of narrowband interference on unambiguous acquisition approaches in Galileo. , 2011, , .		2
46	End-User Attitudes towards Location-Based Services and Future Mobile Wireless Devices: The Studentsâ€™ Perspective. Information (Switzerland), 2011, 2, 426-454.	2.9	6
47	Recursive GF(2N) encoders using left-circulate function for optimum PSKâ€™TCM schemes. Signal Processing, 2010, 90, 2708-2713.	3.7	3
48	Spectrum Occupancy in an Urban Environment: A Cognitive Radio Approach. , 2010, , .		17
49	Analysis of frequency spectrum usage from a cognitive radio perspective. , 2010, , .		3
50	New Recursive Convolutional GF(2N) Encoders for Parallel Turbo-TCM Schemes. , 2010, , .		1
51	Estimators of the indoor channel for GPS-based pseudolite signal. , 2010, , .		2
52	Orthogonality, amplitude and number of users effects on conventional multiuser detection using turbo decoding. , 2009, , .		6
53	Optimum PAM-TCM schemes using left-circulate function over GF(2 ^N). , 2009, , .		5
54	An Alternative to the Traditional Methods in Education - M-Learning: a Glance into the Future. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
55	Initial cell search procedure in WCDMA - an improved algorithm for FDD. , 0, , .		1