

Alexandru Martian

List of Publications by Year in descending order

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44
papers

386
citations

1307594

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g-index

45
all docs

45
docs citations

45
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum Sensing With Energy Detection in Multiple Alternating Time Slots. IEEE Access, 2022, 10, 38565-38574.	4.2	4
2	Drone Detection and Defense Systems: Survey and a Software-Defined Radio-Based Solution. Sensors, 2022, 22, 1453.	3.8	44
3	Aerial Drone Defense System based on Software Defined Radio Platforms. , 2022, , .		1
4	Triple- Threshold Energy Detection with Adaptive Intermediate Threshold for Cooperative Spectrum Sensing. , 2022, , .		3
5	RF Based UAV Detection and Defense Systems: Survey and a Novel Solution. , 2021, , .		5
6	A Modified Double-Threshold Spectrum Sensing Algorithm Based on Adaptive-Threshold Mean Energy Detection. , 2021, , .		2
7	Comparative Analysis of Software Defined Radio Platforms for Spectrum Sensing Applications. , 2020, , .		5
8	Three-Event Energy Detection with Adaptive Threshold for Spectrum Sensing in Cognitive Radio Systems. Sensors, 2020, 20, 3614.	3.8	14
9	Distance estimation in OFDM inter-satellite links. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107479.	5.0	5
10	Novel Software Defined Radio Testbed for Spectrum Occupancy Measurements. , 2020, , .		2
11	ML-based Analytics Framework for beyond 5G Mobile Communication Systems. , 2020, , .		2
12	Amplify-and-Forward Cooperative Spectrum Sensing Using Three Secondary Users for Cognitive Radio. , 2019, , .		0
13	Angle-of-Arrival Estimation in Formation Flying Satellites: Concept and Demonstration. IEEE Access, 2019, 7, 114116-114130.	4.2	5
14	A Modified 3EED Spectrum Sensing Algorithm Using an Adaptive Decision Threshold. , 2018, , .		2
15	Adaptive IED Spectrum Sensing Algorithm for Different Duty Cycle Values. , 2018, , .		0
16	Inter-Satellite Radio Frequency Ranging in a Hybrid OFDM Communication-Metrology System. , 2018, , .		2
17	Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio. , 2018, , .		4
18	Adaptive IED Spectrum Sensing Algorithm for Different Duty Cycle Values. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Pesticide Telemetry Using Potentiostat. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 58-63.	0.3	0
20	Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio. , 2018, , .		1
21	Relative orientation estimation in formation flying satellites. , 2017, , .		2
22	Real-time spectrum sensing using software defined radio platforms. Telecommunication Systems, 2017, 64, 749-761.	2.5	10
23	DVB-T2 radio coverage analysis in Romania. , 2017, , .		5
24	Microwave antenna array using new dielectric resonator antenna elements. , 2017, , .		0
25	On the compromise between delay and performance of the Three-Event Energy Detection algorithm in Cognitive Radio systems. , 2016, , .		2
26	Energy Detection Algorithm for Spectrum Sensing Using Three Consecutive Sensing Events. IEEE Wireless Communications Letters, 2016, 5, 284-287.	5.0	29
27	Evaluation of synchronization techniques for inter-satellite links. , 2016, , .		1
28	USRP-based experimental platform for energy detection in cognitive radio systems. , 2016, , .		5
29	Big Data Processing for Renewable Energy Telemetry Using a Decentralized Cloud M2M System. Wireless Personal Communications, 2016, 87, 1113-1128.	2.7	23
30	Access to RF White Spaces in Romania: Present and Future. Wireless Personal Communications, 2016, 87, 693-712.	2.7	9
31	Comparative study of Radio Mobile and ICS Telecom propagation prediction models for DVB-T. , 2015, , .		15
32	Big Data, Internet of Things and Cloud Convergence – An Architecture for Secure E-Health Applications. Journal of Medical Systems, 2015, 39, 141.	3.6	139
33	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
34	An accurate average energy detection algorithm for spectrum sensing in cognitive radio systems. , 2014, , .		3
35	Real-time spectrum sensor based on USRP. , 2014, , .		1
36	Data collection for spectrum sensing algorithms based on USRP. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	Spectrum sensing based on spectral correlation for cognitive radio systems. , 2014, , .		4
38	Network Cloud simulator for modelling trust in Cognitive Radio applications. , 2013, , .		1
39	Cognitive radio testing framework based on USRP. , 2013, , .		2
40	Transition from analog to digital broadcasting A spectral efficiency review. , 2012, , .		3
41	A new ML detector for trellis-coded spatial modulation using hard and soft estimates. , 2012, , .		5
42	Spectrum Occupancy in an Urban Environment: A Cognitive Radio Approach. , 2010, , .		17
43	On the availability of CDMA channels for secondary users. , 2010, , .		1
44	Analysis of frequency spectrum usage from a cognitive radio perspective. , 2010, , .		3