

Octavian Fratu

List of Publications by Year in descending order

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36
papers

376
citations

1478505

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1372567

10
g-index

37
all docs

37
docs citations

37
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Radio Frequency over Fibre Optics Repeater for Mission-Critical Communications: Design, Execution and Test. <i>Sensors</i> , 2022, 22, 612.	3.8	0
2	Footprint Reduction of Sensor Control Modules for Remote Portable Laboratories. <i>Sensors</i> , 2022, 22, 1483.	3.8	0
3	Drone Detection and Defense Systems: Survey and a Software-Defined Radio-Based Solution. <i>Sensors</i> , 2022, 22, 1453.	3.8	44
4	Neural Network Based IRSs-UEs Association and IRSs Optimal Placement in Multi IRSs Aided Wireless System. <i>Sensors</i> , 2022, 22, 5216.	3.8	8
5	RF Based UAV Detection and Defense Systems: Survey and a Novel Solution. , 2021, , .		5
6	Radio-frequency transport platform for video cameras. , 2021, , .		0
7	Design, Implementation and Simulation of a Fringing Field Capacitive Humidity Sensor. <i>Sensors</i> , 2020, 20, 5644.	3.8	8
8	Cooperation scenarios in multi-agent water monitoring platform. <i>Periodicals of Engineering and Natural Sciences</i> , 2019, 7, 261.	0.5	0
9	Persons Counting and Monitoring System Based on Passive Infrared Sensors and Ultrasonic Sensors (PIRUS). <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 100-106.	0.3	1
10	Admission Control and Scheduling Algorithm for Multi-carrier Systems. <i>Wireless Personal Communications</i> , 2017, 93, 629-645.	2.7	3
11	UAVs for Wi-Fi Receiver Mapping and Packet Sniffing with Antenna Radiation Pattern Diversity. <i>Wireless Personal Communications</i> , 2017, 92, 297-313.	2.7	8
12	Wireless Transport Emulator Based on LINC Software Switch. <i>Wireless Personal Communications</i> , 2017, 97, 1711-1727.	2.7	0
13	Vehicular mobile data collection platform to support the development of Intelligent Transportation Systems. , 2016, , .		4
14	Access to RF White Spaces in Romania: Present and Future. <i>Wireless Personal Communications</i> , 2016, 87, 693-712.	2.7	9
15	Fog computing system for monitoring Mild Dementia and COPD patients - Romanian case study. , 2015, , .		29
16	Analysis of the security solutions implemented in current Internet of Things platforms. , 2015, , .		15
17	M2M remote telemetry and cloud IoT big data processing in viticulture. , 2015, , .		17
18	Instrumental IoT - from environmental monitoring to cosmic ray detection. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Combined use of pattern recognition algorithms for keystroke-based continuous authentication system. , 2014, , .		2
20	Small Cells in Cellular Networks: Challenges of Future HetNets. Wireless Personal Communications, 2014, 78, 1613-1627.	2.7	10
21	Considerations on CDMAâ€œOFDM System Performances in Different Channel Environments for Different Modulation and Coding Scenarios. Wireless Personal Communications, 2014, 78, 1667-1682.	2.7	4
22	New Developments in Vertical Handover Based on Media Independent Handover Standard. Wireless Personal Communications, 2014, 78, 1739-1753.	2.7	1
23	Smart Cities Built on Resilient Cloud Computing and Secure Internet of Things. , 2013, , .		157
24	Cosmic radiation detector performances in salt mines. , 2013, , .		0
25	Interference analysis for inter-band Carrier Aggregation in LTE-advanced. , 2013, , .		1
26	Multi User Orthogonal Frequency division Multiple Access (MU-OFDMA) performances in AWGN and fading channels. , 2013, , .		4
27	Performances of LMS/NLMS algorithms for CDMA RAKE receivers. , 2011, , .		3
28	Heterogeneous wireless access networks analysis from simulation to implementation. , 2011, , .		3
29	A MIH-enabled emulated network for streaming applications. , 2011, , .		3
30	Cloud consulting: ERP and communication application integration in open source cloud systems. , 2011, , .		13
31	A simulation testbed for a MIH enabled system. , 2010, , .		7
32	Real-time monitoring design of a wireless network device for vertical handover on multimod terminals. , 2009, , .		9
33	Fading Effects on Turbo-encoded Data. , 2007, , .		0
34	Error Probability Evaluation for RAKE Reception of DS-CDMA Signals with MRC and EGC Combining in Rayleigh Fading. , 2007, , .		1
35	Error Probability Evaluation for Multiuser Detection Algorithms. , 2007, , .		1
36	Simple Location-based Application Development for Mobile Phones. , 2007, , .		3