

Octavian Fratu

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

376
citations

1478505

6
h-index

1372567

10
g-index

37
all docs

37
docs citations

37
times ranked

368
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Smart Cities Built on Resilient Cloud Computing and Secure Internet of Things. , 2013, , . | | 157 |
| 2 | Drone Detection and Defense Systems: Survey and a Software-Defined Radio-Based Solution. Sensors, 2022, 22, 1453. | 3.8 | 44 |
| 3 | Fog computing system for monitoring Mild Dementia and COPD patients - Romanian case study. , 2015, , . | | 29 |
| 4 | M2M remote telemetry and cloud IoT big data processing in viticulture. , 2015, , . | | 17 |
| 5 | Analysis of the security solutions implemented in current Internet of Things platforms. , 2015, , . | | 15 |
| 6 | Cloud consulting: ERP and communication application integration in open source cloud systems. , 2011, , . | | 13 |
| 7 | Small Cells in Cellular Networks: Challenges of Future HetNets. Wireless Personal Communications, 2014, 78, 1613-1627. | 2.7 | 10 |
| 8 | Real-time monitoring design of a wireless network device for vertical handover on multimod terminals. , 2009, , . | | 9 |
| 9 | Access to RF White Spaces in Romania: Present and Future. Wireless Personal Communications, 2016, 87, 693-712. | 2.7 | 9 |
| 10 | UAVs for Wi-Fi Receiver Mapping and Packet Sniffing with Antenna Radiation Pattern Diversity. Wireless Personal Communications, 2017, 92, 297-313. | 2.7 | 8 |
| 11 | Design, Implementation and Simulation of a Fringing Field Capacitive Humidity Sensor. Sensors, 2020, 20, 5644. | 3.8 | 8 |
| 12 | Neural Network Based IRSs-UEs Association and IRSs Optimal Placement in Multi IRSs Aided Wireless System. Sensors, 2022, 22, 5216. | 3.8 | 8 |
| 13 | A simulation testbed for a MIH enabled system. , 2010, , . | | 7 |
| 14 | RF Based UAV Detection and Defense Systems: Survey and a Novel Solution. , 2021, , . | | 5 |
| 15 | Multi User Orthogonal Frequency division Multiple Access (MU-OFDMA) performances in AWGN and fading channels. , 2013, , . | | 4 |
| 16 | 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 |
| 17 | Vehicular mobile data collection platform to support the development of Intelligent Transportation Systems. , 2016, , . | | 4 |
| 18 | Simple Location-based Application Development for Mobile Phones. , 2007, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Performances of LMS/NLMS algorithms for CDMA RAKE receivers. , 2011, , . | | 3 |
| 20 | Heterogeneous wireless access networks analysis from simulation to implementation. , 2011, , . | | 3 |
| 21 | A MIH-enabled emulated network for streaming applications. , 2011, , . | | 3 |
| 22 | Admission Control and Scheduling Algorithm for Multi-carrier Systems. Wireless Personal Communications, 2017, 93, 629-645. | 2.7 | 3 |
| 23 | Instrumental IoT - from environmental monitoring to cosmic ray detection. , 2014, , . | | 2 |
| 24 | Combined use of pattern recognition algorithms for keystroke-based continuous authentication system. , 2014, , . | | 2 |
| 25 | Error Probability Evaluation for RAKE Reception of DS-SS Signals with MRC and EGC Combining in Rayleigh Fading. , 2007, , . | | 1 |
| 26 | Error Probability Evaluation for Multiuser Detection Algorithms. , 2007, , . | | 1 |
| 27 | Interference analysis for inter-band Carrier Aggregation in LTE-advanced. , 2013, , . | | 1 |
| 28 | New Developments in Vertical Handover Based on Media Independent Handover Standard. Wireless Personal Communications, 2014, 78, 1739-1753. | 2.7 | 1 |
| 29 | Persons Counting and Monitoring System Based on Passive Infrared Sensors and Ultrasonic Sensors (PIRUS). Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering. 2018, , 100-106. | 0.3 | 1 |
| 30 | Fading Effects on Turbo-encoded Data. , 2007, , . | | 0 |
| 31 | Cosmic radiation detector performances in salt mines. , 2013, , . | | 0 |
| 32 | Wireless Transport Emulator Based on LINC Software Switch. Wireless Personal Communications, 2017, 97, 1711-1727. | 2.7 | 0 |
| 33 | Radio-frequency transport platform for video cameras. , 2021, , . | | 0 |
| 34 | Cooperation scenarios in multi-agent water monitoring platform. Periodicals of Engineering and Natural Sciences, 2019, 7, 261. | 0.5 | 0 |
| 35 | Radio Frequency over Fibre Optics Repeater for Mission-Critical Communications: Design, Execution and Test. Sensors, 2022, 22, 612. | 3.8 | 0 |
| 36 | Footprint Reduction of Sensor Control Modules for Remote Portable Laboratories. Sensors, 2022, 22, 1483. | 3.8 | 0 |