

Ridha Hamila

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125
papers

884
citations

15
h-index

21
g-index

163
ext. papers

1,224
ext. citations

3.8
avg, IF

4.57
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 125 | Convolutional Neural Networks for patient-specific ECG classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015</i> , 2015, 2608-11 | 0.9 | 67 |
| 124 | Highly efficient techniques for mitigating the effects of multipath propagation in DS-CDMA delay estimation. <i>IEEE Transactions on Wireless Communications, 2005</i> , 4, 149-162 | 9.6 | 34 |
| 123 | Teager energy and the ambiguity function. <i>IEEE Transactions on Signal Processing, 1999</i> , 47, 260-262 | 4.8 | 34 |
| 122 | A survey of wireless data center networks 2015 , | | 24 |
| 121 | Beamforming OFDM Performance Under Joint Phase Noise and I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology, 2016</i> , 65, 2978-2989 | 6.8 | 24 |
| 120 | Exact Average OFDM Subcarrier SINR Analysis Under Joint Transmit/Receive I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology, 2014</i> , 63, 4125-4130 | 6.8 | 24 |
| 119 | Residual Self-Interference Analysis for Full-Duplex OFDM Transceivers Under Phase Noise and I/Q Imbalance. <i>IEEE Communications Letters, 2017</i> , 21, 314-317 | 3.8 | 23 |
| 118 | I/Q Imbalance in Multiple Beamforming {OFDM} Transceivers: SINR Analysis and Digital Baseband Compensation. <i>IEEE Transactions on Communications, 2013</i> , 61, 1914-1925 | 6.9 | 23 |
| 117 | 2012 , | | 19 |
| 116 | Extended Kalman Filter Channel Estimation for Line-of-Sight Detection in WCDMA Mobile Positioning. <i>Eurasip Journal on Advances in Signal Processing, 2003</i> , 2003, 1 | 1.9 | 19 |
| 115 | Outage Performance of Cooperative Systems Under IQ Imbalance. <i>IEEE Transactions on Communications, 2014</i> , 62, 1480-1489 | 6.9 | 17 |
| 114 | Towards bandwidth guaranteed energy efficient data center networking. <i>Journal of Cloud Computing: Advances, Systems and Applications, 2015</i> , 4, | 3.2 | 16 |
| 113 | . <i>IEEE Access, 2017</i> , 5, 24353-24367 | 3.5 | 16 |
| 112 | Blind Estimation of Large Carrier Frequency Offset in Wireless OFDM Systems. <i>IEEE Transactions on Vehicular Technology, 2007</i> , 56, 965-968 | 6.8 | 16 |
| 111 | Polynomial-based maximum-likelihood technique for synchronization in digital receivers. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002</i> , 49, 567-576 | | 16 |
| 110 | Wi-Fi Direct Research - Current Status and Future Perspectives. <i>Journal of Network and Computer Applications, 2017</i> , 93, 245-258 | 7.9 | 15 |
| 109 | Subchip multipath delay estimation for downlink WCDMA system based on Teager-Kaiser operator. <i>IEEE Communications Letters, 2003</i> , 7, 1-3 | 3.8 | 15 |

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| 108 | TIDCS: A Dynamic Intrusion Detection and Classification System Based Feature Selection. <i>IEEE Access</i> , 2020 , 8, 95864-95877 | 3.5 | 14 |
| 107 | Real-time phonocardiogram anomaly detection by adaptive 1D Convolutional Neural Networks. <i>Neurocomputing</i> , 2020 , 411, 291-301 | 5.4 | 13 |
| 106 | A Combined Decision for Secure Cloud Computing Based on Machine Learning and Past Information 2019 , | | 13 |
| 105 | Cloud-Ready Biometric System for Mobile Security Access. <i>Communications in Computer and Information Science</i> , 2012 , 192-200 | 0.3 | 13 |
| 104 | A Novel UAV-Aided Network Architecture Using Wi-Fi Direct. <i>IEEE Access</i> , 2019 , 7, 67305-67318 | 3.5 | 12 |
| 103 | OFDM Full-Duplex DF Relaying Under I/Q Imbalance and Loopback Self-Interference. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 6737-6741 | 6.8 | 12 |
| 102 | Important Complexity Reduction of Random Forest in Multi-Classification Problem 2019 , | | 11 |
| 101 | A Strategy for Emergency Vehicle Preemption and Route Selection. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 8905-8913 | 2.5 | 11 |
| 100 | Location privacy preservation in secure crowdsourcing-based cooperative spectrum sensing. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016, | 3.2 | 11 |
| 99 | Cooperative Access Schemes for Efficient SWIPT Transmissions in Cognitive Radio Networks 2015 , | | 11 |
| 98 | Impulse noise removal in highly corrupted color images | | 11 |
| 97 | Face segmentation in thumbnail images by data-adaptive convolutional segmentation networks 2016 , | | 10 |
| 96 | Cloud-based mobile system for biometrics authentication 2013 , | | 10 |
| 95 | Outage Performance of OFDM Ad-Hoc Routing with and without Subcarrier Grouping in Multihop Network 2012 , | | 10 |
| 94 | Impact of the Wireless Network PHY Security and Reliability on Demand-Side Management Cost in the Smart Grid. <i>IEEE Access</i> , 2017 , 5, 5678-5689 | 3.5 | 9 |
| 93 | Efficient techniques for energy saving in data center networks. <i>Computer Communications</i> , 2018 , 129, 111-124 | 5.1 | 9 |
| 92 | Channel estimation for LTE Uplink system by Perceptron neural network. <i>International Journal of Wireless and Mobile Networks</i> , 2010 , 2, 155-165 | 0.4 | 9 |
| 91 | Optimized Selective OFDMA in multihop network 2012 , | | 9 |

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| 90 | PTNet: An efficient and green data center network. <i>Journal of Parallel and Distributed Computing</i> , 2017 , 107, 3-18 | 4.4 | 8 |
| 89 | A Sparsity-Aware Cooperative Protocol for Cognitive Radio Networks With Energy-Harvesting Primary User. <i>IEEE Transactions on Communications</i> , 2015 , 63, 3118-3131 | 6.9 | 8 |
| 88 | Decentralized multiuser diversity with opportunistic packet transmission in MIMO wireless sensor networks. <i>AEU - International Journal of Electronics and Communications</i> , 2013 , 67, 910-925 | 2.8 | 8 |
| 87 | . <i>IEEE Access</i> , 2017 , 5, 23776-23791 | 3.5 | 8 |
| 86 | Novel selective OFDM-based cooperative techniques for multi-hop systems. <i>Physical Communication</i> , 2015 , 15, 1-15 | 2.2 | 7 |
| 85 | Secondary users selection and sparse narrow-band interference mitigation in cognitive radio networks. <i>Computer Communications</i> , 2018 , 123, 97-115 | 5.1 | 7 |
| 84 | Enhanced Alamouti decoding scheme for DVB-T2 systems in SFN channels 2011 , | | 7 |
| 83 | On the Performance of Tactical Communication Interception Using Military Full Duplex Radios 2019 , | | 7 |
| 82 | Green data center networks: a holistic survey and design guidelines 2019 , | | 6 |
| 81 | Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 7966-7970 | 6.8 | 6 |
| 80 | Sparsity-aware multiple relay selection in large dual-hop decode-and-forward broadband relay networks 2016 , | | 6 |
| 79 | Efficient Collaborative Spectrum Sensing under the Smart Primary User Emulation Attacker Network 2015 , | | 6 |
| 78 | Multiple Relay Selection and Beamforming in Dual-Hop Amplify-and-Forward Relay Networks. <i>IEEE Systems Journal</i> , 2019 , 13, 1534-1545 | 4.3 | 6 |
| 77 | Achieving energy efficiency in data centers with a performance-guaranteed power aware routing. <i>Computer Communications</i> , 2017 , 109, 131-145 | 5.1 | 5 |
| 76 | Design and Analysis of Sparsifying Dictionaries for FIR MIMO Equalizers. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2576-2586 | 9.6 | 5 |
| 75 | PTNet: A parameterizable data center network 2016 , | | 5 |
| 74 | Sparsity-Based Joint NBI and Impulse Noise Mitigation in Hybrid PLC-Wireless Transmissions. <i>IEEE Access</i> , 2018 , 6, 30280-30295 | 3.5 | 5 |
| 73 | Dual Active Full Bridge Implementation on Typhoon HIL for G2V and V2G Applications 2017 , | | 5 |

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| 72 | Digital baseband compensation of frequency-dependent joint TX/RX I/Q imbalance in beamforming MIMO OFDM transceivers 2012 , | | 5 |
| 71 | Optimal Group Formation in Dense Wi-Fi Direct Networks for Content Distribution. <i>IEEE Access</i> , 2019 , 7, 161231-161245 | 3.5 | 5 |
| 70 | Hybrid Full-Duplex and Alternate Multiple Relay Selection and Beamforming in AF Cooperative Networks. <i>IEEE Access</i> , 2018 , 6, 28467-28477 | 3.5 | 5 |
| 69 | On the Delay/Throughput-Security Tradeoff in Wiretap TDMA Networks With Buffered Nodes. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3948-3960 | 9.6 | 4 |
| 68 | Joint Frame Synchronization and Channel Estimation: Sparse Recovery Approach and USRP Implementation. <i>IEEE Access</i> , 2019 , 7, 39041-39053 | 3.5 | 4 |
| 67 | Exploiting sparsity of relay-assisted cognitive radio networks 2015 , | | 4 |
| 66 | Hyper-Flatnet: A novel network architecture for data centers 2015 , | | 4 |
| 65 | Weighted Trustworthiness for ML Based Attacks Classification 2020 , | | 4 |
| 64 | A general framework for the design and analysis of sparse FIR linear equalizers 2015 , | | 4 |
| 63 | ScalNet: A Novel Network Architecture for Data Centers 2015 , | | 4 |
| 62 | Effect of high-velocity scenarios on the performance of MIMO LTE packet scheduling 2011 , | | 4 |
| 61 | SINR analysis for beamforming OFDM systems under joint transmit-receive I/Q imbalance 2012 , | | 4 |
| 60 | Real-time throughput prediction for cognitive Wi-Fi networks. <i>Journal of Network and Computer Applications</i> , 2020 , 150, 102499 | 7.9 | 4 |
| 59 | A Sparsity-Aware Approach for NBI Estimation and Mitigation in Large Cognitive Radio Networks 2016 , | | 4 |
| 58 | Sparsity-Aware Narrowband Interference Mitigation and Subcarriers Selection in OFDM-Based Cognitive Radio Networks 2016 , | | 4 |
| 57 | Early Detection of Myocardial Infarction in Low-Quality Echocardiography. <i>IEEE Access</i> , 2021 , 9, 34442-34453 | 9.5 | 4 |
| 56 | LaCoDa: Layered connected topology for massive data centers. <i>Journal of Network and Computer Applications</i> , 2017 , 83, 169-180 | 7.9 | 3 |
| 55 | 2020 , | | 3 |

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| 54 | Sparse Equalizers for OFDM Signals With Insufficient Cyclic Prefix. <i>IEEE Access</i> , 2018 , 6, 11076-11085 | 3.5 | 3 |
| 53 | Joint secured and robust technique for OFDM systems 2013 , | | 3 |
| 52 | Outage performance of OFDM-based relaying systems under IQ imbalance 2013 , | | 3 |
| 51 | Superresolution algorithms for detecting overlapped paths in DS-CDMA systems with long codes | | 3 |
| 50 | New maximum likelihood based frequency estimator for digital receivers | | 3 |
| 49 | Security-Enhanced SC-FDMA Transmissions Using Temporal Artificial-Noise and Secret Key Aided Schemes. <i>IEEE Access</i> , 2019 , 7, 14807-14824 | 3.5 | 3 |
| 48 | Continuous-time signal processing based on polynomial approximation | | 3 |
| 47 | Machine Learning Based Cloud Computing Anomalies Detection. <i>IEEE Network</i> , 2020 , 34, 178-183 | 11.4 | 3 |
| 46 | VacoNet: Variable and connected architecture for data center networks 2016 , | | 3 |
| 45 | RB allocation based on genetic algorithm in cloud radio access networks 2016 , | | 3 |
| 44 | Wiretap TDMA Networks With Energy-Harvesting Rechargeable-Battery Buffered Sources. <i>IEEE Access</i> , 2019 , 7, 17215-17229 | 3.5 | 2 |
| 43 | Full-Duplex Jamming and Interception Analysis of UAV-Based Intrusion Links. <i>IEEE Communications Letters</i> , 2020 , 24, 1105-1109 | 3.8 | 2 |
| 42 | Relay selection in FDD amplify-and-forward cooperative networks 2017 , | | 2 |
| 41 | Sparsity-aware multiple relay selection in large multi-hop decode-and-forward relay networks. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016 , 2016, | 1.9 | 2 |
| 40 | wFlatnet: Introducing Wireless in Flatnet Data Center Network 2015 , | | 2 |
| 39 | Performances analysis of SEC based transmit diversity systems with MRC receivers 2012 , | | 2 |
| 38 | Sensor network architecture for deployment over low-voltage powerlines 2010 , | | 2 |
| 37 | Performance analysis of an efficient multipath delay estimation approach in a CDMA multiuser environment | | 2 |

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| 36 | Estimation of highly selective channels for downlink LTE MIMO-OFDM system by a robust neural network. <i>CIM Journal</i> , 2011 , 2, 31-38 | 0.2 | 2 |
| 35 | Queue Discharge at Freeway On-Ramps Using Coordinated Operation of a Ramp Meter and an Upstream Traffic Signal. <i>Procedia Computer Science</i> , 2020 , 170, 347-353 | 1.6 | 2 |
| 34 | LaScaDa: A Novel Scalable Topology for Data Center Network. <i>IEEE/ACM Transactions on Networking</i> , 2020 , 28, 2051-2064 | 3.8 | 2 |
| 33 | Machine-Learning Based Relay Selection in AF Cooperative Networks 2019 , | | 2 |
| 32 | Impact of Passive and Active Security Attacks on MIMO Smart Grid Communications. <i>IEEE Systems Journal</i> , 2019 , 13, 2873-2876 | 4.3 | 2 |
| 31 | Time-Dependent Bit Error Rate Analysis for Smart Utility Networks in the Presence of WLAN Interferers. <i>IEEE Systems Journal</i> , 2020 , 14, 2133-2143 | 4.3 | 2 |
| 30 | A Novel OFDM Waveform With Enhanced Physical Layer Security. <i>IEEE Communications Letters</i> , 2021 , 25, 387-391 | 3.8 | 2 |
| 29 | Mean squared error analysis for OFDMA signals under joint Tx/Rx IQ imbalance 2018 , | | 2 |
| 28 | Secrecy Performance of Full-Duplex Jamming and Reception Under I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 9560-9565 | 6.8 | 2 |
| 27 | Integrating Variability Management in Data Center Networks 2017 , | | 1 |
| 26 | Energy allocation optimization for AF multi-hop in a cognitive radio system. <i>Physical Communication</i> , 2018 , 26, 50-59 | 2.2 | 1 |
| 25 | A Secret-Key-Aided Scheme to Secure Transmissions From Single-Antenna RF-EH Source Nodes. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 238-241 | 5.9 | 1 |
| 24 | Phase noise mitigation in OFDMA uplink 2014 , | | 1 |
| 23 | Improved relay selection for decode-and-forward cooperative wireless networks under secrecy rate maximization 2014 , | | 1 |
| 22 | 2012 , | | 1 |
| 21 | Exact SINR analysis of OFDM systems under joint Tx/RX I/Q imbalance 2013 , | | 1 |
| 20 | Estimation of highly selective channels for downlink LTE system by a robust neural network 2010 , | | 1 |
| 19 | Dynamic Feedback Carrier Frequency Offset Estimator for OFDM Systems 2007 , | | 1 |

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| 18 | New design approach for polynomial-based interpolation | | 1 |
| 17 | Performance Evaluation of No-Pairing ECC-Based KPABE on IoT Platforms 2020 , | | 1 |
| 16 | An Energy Saving Mechanism Based on Vacation Queuing Theory in Data Center Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 188-202 | 0.2 | 1 |
| 15 | Robust GNC approach for quantised compressed sensing. <i>Electronics Letters</i> , 2017 , 53, 1306-1308 | 1.1 | 1 |
| 14 | A Guaranteed Performance of a Green Data Center Based on the Contribution of Vital Nodes 2016 , | | 1 |
| 13 | Power control and RB allocation in cloud radio access networks 2016 , | | 1 |
| 12 | Energy-efficient based on cluster selection and trust management in cooperative spectrum sensing 2016 , | | 1 |
| 11 | Power control and RB allocation for LTE uplink 2016 , | | 1 |
| 10 | Design considerations, modelling, and control of dual-active full bridge for electric vehicles charging applications. <i>Journal of Engineering</i> , 2019 , 2019, 8439-8447 | 0.7 | 1 |
| 9 | A Weighted Machine Learning-Based Attacks Classification to Alleviating Class Imbalance. <i>IEEE Systems Journal</i> , 2021 , 1-12 | 4.3 | 1 |
| 8 | Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN 2018 , | | 1 |
| 7 | A Unified Framework for Differentiated Services in Intelligent Healthcare Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1 | 4.9 | 0 |
| 6 | Exploiting Sparsity in Amplify-and-Forward Broadband Multiple Relay Selection. <i>IEEE Access</i> , 2019 , 7, 57985-57995 | 3.5 | |
| 5 | A regularization approach to MSE analysis of OFDM under phase noise. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 83, 303-308 | 2.8 | |
| 4 | Reduced-complexity sparsity-aware joint phase noise mitigation and channel equalization in OFDM receivers. <i>Physical Communication</i> , 2018 , 30, 50-57 | 2.2 | |
| 3 | Lightweight KPABE Architecture Enabled in Mesh Networked Resource-Constrained IoT Devices. <i>IEEE Access</i> , 2021 , 9, 5640-5650 | 3.5 | |
| 2 | A Survey on Data Center Network Topologies. <i>Lecture Notes in Computer Science</i> , 2018 , 143-154 | 0.9 | |
| 1 | Optimization on Ports Activation Towards Energy Efficient Data Center Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 155-166 | 0.9 | |

