

Ridha Hamila

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
124	A Weighted Machine Learning-Based Attacks Classification to Alleviating Class Imbalance. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	1
123	A Novel OFDM Waveform With Enhanced Physical Layer Security. <i>IEEE Communications Letters</i> , 2021 , 25, 387-391	3.8	2
122	Early Detection of Myocardial Infarction in Low-Quality Echocardiography. <i>IEEE Access</i> , 2021 , 9, 34442-34453	3.5	4
121	Lightweight KPABE Architecture Enabled in Mesh Networked Resource-Constrained IoT Devices. <i>IEEE Access</i> , 2021 , 9, 5640-5650	3.5	
120	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
119	TIDCS: A Dynamic Intrusion Detection and Classification System Based Feature Selection. <i>IEEE Access</i> , 2020 , 8, 95864-95877	3.5	14
118	Real-time phonocardiogram anomaly detection by adaptive 1D Convolutional Neural Networks. <i>Neurocomputing</i> , 2020 , 411, 291-301	5.4	13
117	Full-Duplex Amplify-and-Forward Relaying Under I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 7966-7970	6.8	6
116	2020 ,		3
115	Full-Duplex Jamming and Interception Analysis of UAV-Based Intrusion Links. <i>IEEE Communications Letters</i> , 2020 , 24, 1105-1109	3.8	2
114	Weighted Trustworthiness for ML Based Attacks Classification 2020 ,		4
113	Performance Evaluation of No-Pairing ECC-Based KPABE on IoT Platforms 2020 ,		1
112	Real-time throughput prediction for cognitive Wi-Fi networks. <i>Journal of Network and Computer Applications</i> , 2020 , 150, 102499	7.9	4
111	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
110	Machine Learning Based Cloud Computing Anomalies Detection. <i>IEEE Network</i> , 2020 , 34, 178-183	11.4	3
109	LaScaDa: A Novel Scalable Topology for Data Center Network. <i>IEEE/ACM Transactions on Networking</i> , 2020 , 28, 2051-2064	3.8	2

108	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
107	Exploiting Sparsity in Amplify-and-Forward Broadband Multiple Relay Selection. <i>IEEE Access</i> , 2019 , 7, 57985-57995	3.5	
106	Important Complexity Reduction of Random Forest in Multi-Classification Problem 2019 ,		11
105	Green data center networks: a holistic survey and design guidelines 2019 ,		6
104	A Strategy for Emergency Vehicle Preemption and Route Selection. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 8905-8913	2.5	11
103	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
102	A Novel UAV-Aided Network Architecture Using Wi-Fi Direct. <i>IEEE Access</i> , 2019 , 7, 67305-67318	3.5	12
101	Joint Frame Synchronization and Channel Estimation: Sparse Recovery Approach and USRP Implementation. <i>IEEE Access</i> , 2019 , 7, 39041-39053	3.5	4
100	Wiretap TDMA Networks With Energy-Harvesting Rechargeable-Battery Buffered Sources. <i>IEEE Access</i> , 2019 , 7, 17215-17229	3.5	2
99	A Combined Decision for Secure Cloud Computing Based on Machine Learning and Past Information 2019 ,		13
98	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
97	On the Performance of Tactical Communication Interception Using Military Full Duplex Radios 2019 ,		7
96	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
95	Optimal Group Formation in Dense Wi-Fi Direct Networks for Content Distribution. <i>IEEE Access</i> , 2019 , 7, 161231-161245	3.5	5
94	Machine-Learning Based Relay Selection in AF Cooperative Networks 2019 ,		2
93	Impact of Passive and Active Security Attacks on MIMO Smart Grid Communications. <i>IEEE Systems Journal</i> , 2019 , 13, 2873-2876	4.3	2
92	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
91	Sparse Equalizers for OFDM Signals With Insufficient Cyclic Prefix. <i>IEEE Access</i> , 2018 , 6, 11076-11085	3.5	3

90	Secondary users selection and sparse narrow-band interference mitigation in cognitive radio networks. <i>Computer Communications</i> , 2018 , 123, 97-115	5.1	7
89	Energy allocation optimization for AF multi-hop in a cognitive radio system. <i>Physical Communication</i> , 2018 , 26, 50-59	2.2	1
88	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	
87	Efficient techniques for energy saving in data center networks. <i>Computer Communications</i> , 2018 , 129, 111-124	5.1	9
86	Reduced-complexity sparsity-aware joint phase noise mitigation and channel equalization in OFDM receivers. <i>Physical Communication</i> , 2018 , 30, 50-57	2.2	
85	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
84	Sparsity-Based Joint NBI and Impulse Noise Mitigation in Hybrid PLC-Wireless Transmissions. <i>IEEE Access</i> , 2018 , 6, 30280-30295	3.5	5
83	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
82	A Survey on Data Center Network Topologies. <i>Lecture Notes in Computer Science</i> , 2018 , 143-154	0.9	
81	Optimization on Ports Activation Towards Energy Efficient Data Center Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 155-166	0.9	
80	Mean squared error analysis for OFDMA signals under joint Tx/Rx IQ imbalance 2018 ,		2
79	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
78	Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN 2018 ,		1
77	LaCoDa: Layered connected topology for massive data centers. <i>Journal of Network and Computer Applications</i> , 2017 , 83, 169-180	7.9	3
76	PTNet: An efficient and green data center network. <i>Journal of Parallel and Distributed Computing</i> , 2017 , 107, 3-18	4.4	8
75	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
74	Integrating Variability Management in Data Center Networks 2017 ,		1
73	Achieving energy efficiency in data centers with a performance-guaranteed power aware routing. <i>Computer Communications</i> , 2017 , 109, 131-145	5.1	5

72	Design and Analysis of Sparsifying Dictionaries for FIR MIMO Equalizers. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2576-2586	9.6	5
71	Relay selection in FDD amplify-and-forward cooperative networks 2017 ,		2
70	Wi-Fi Direct Research - Current Status and Future Perspectives. <i>Journal of Network and Computer Applications</i> , 2017 , 93, 245-258	7.9	15
69	Residual Self-Interference Analysis for Full-Duplex OFDM Transceivers Under Phase Noise and I/Q Imbalance. <i>IEEE Communications Letters</i> , 2017 , 21, 314-317	3.8	23
68	. <i>IEEE Access</i> , 2017 , 5, 24353-24367	3.5	16
67	. <i>IEEE Access</i> , 2017 , 5, 23776-23791	3.5	8
66	Dual Active Full Bridge Implementation on Typhoon HIL for G2V and V2G Applications 2017 ,		5
65	Robust GNC approach for quantised compressed sensing. <i>Electronics Letters</i> , 2017 , 53, 1306-1308	1.1	1
64	Face segmentation in thumbnail images by data-adaptive convolutional segmentation networks 2016 ,		10
63	Sparsity-aware multiple relay selection in large dual-hop decode-and-forward broadband relay networks 2016 ,		6
62	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
61	PTNet: A parameterizable data center network 2016 ,		5
60	Beamforming OFDM Performance Under Joint Phase Noise and I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2978-2989	6.8	24
59	Location privacy preservation in secure crowdsourcing-based cooperative spectrum sensing. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	11
58	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
57	A Guaranteed Performance of a Green Data Center Based on the Contribution of Vital Nodes 2016 ,		1
56	A Sparsity-Aware Approach for NBI Estimation and Mitigation in Large Cognitive Radio Networks 2016 ,		4
55	Sparsity-Aware Narrowband Interference Mitigation and Subcarriers Selection in OFDM-Based Cognitive Radio Networks 2016 ,		4

54	Power control and RB allocation in cloud radio access networks 2016 ,		1
53	VacoNet: Variable and connected architecture for data center networks 2016 ,		3
52	Energy-efficient based on cluster selection and trust management in cooperative spectrum sensing 2016 ,		1
51	RB allocation based on genetic algorithm in cloud radio access networks 2016 ,		3
50	Power control and RB allocation for LTE uplink 2016 ,		1
49	Novel selective OFDM-based cooperative techniques for multi-hop systems. <i>Physical Communication</i> , 2015 , 15, 1-15	2.2	7
48	A survey of wireless data center networks 2015 ,		24
47	Exploiting sparsity of relay-assisted cognitive radio networks 2015 ,		4
46	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
45	Hyper-Flatnet: A novel network architecture for data centers 2015 ,		4
44	Towards bandwidth guaranteed energy efficient data center networking. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2015 , 4,	3.2	16
43	Efficient Collaborative Spectrum Sensing under the Smart Primary User Emulation Attacker Network 2015 ,		6
42	A general framework for the design and analysis of sparse FIR linear equalizers 2015 ,		4
41	wFlatnet: Introducing Wireless in Flatnet Data Center Network 2015 ,		2
40	ScalNet: A Novel Network Architecture for Data Centers 2015 ,		4
39	Cooperative Access Schemes for Efficient SWIPT Transmissions in Cognitive Radio Networks 2015 ,		11
38	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</i> , 2015 , 2015, 2608-11	0.9	67
37	Outage Performance of Cooperative Systems Under IQ Imbalance. <i>IEEE Transactions on Communications</i> , 2014 , 62, 1480-1489	6.9	17

36	Phase noise mitigation in OFDMA uplink 2014 ,		1
35	Improved relay selection for decode-and-forward cooperative wireless networks under secrecy rate maximization 2014 ,		1
34	Exact Average OFDM Subcarrier SINR Analysis Under Joint Transmit/Receive I/Q Imbalance. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 4125-4130	6.8	24
33	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
32	Cloud-based mobile system for biometrics authentication 2013 ,		10
31	Joint secured and robust technique for OFDM systems 2013 ,		3
30	I/Q Imbalance in Multiple Beamforming {OFDM} Transceivers: SINR Analysis and Digital Baseband Compensation. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1914-1925	6.9	23
29	Outage performance of OFDM-based relaying systems under IQ imbalance 2013 ,		3
28	Exact SINR analysis of OFDM systems under joint Tx/RX I/Q imbalance 2013 ,		1
27	Performances analysis of SEC based transmit diversity systems with MRC receivers 2012 ,		2
26	2012 ,		1
25	Cloud-Ready Biometric System for Mobile Security Access. <i>Communications in Computer and Information Science</i> , 2012 , 192-200	0.3	13
24	2012 ,		19
23	Outage Performance of OFDM Ad-Hoc Routing with and without Subcarrier Grouping in Multihop Network 2012 ,		10
22	Digital baseband compensation of frequency-dependent joint TX/RX I/Q imbalance in beamforming MIMO OFDM transceivers 2012 ,		5
21	Optimized Selective OFDMA in multihop network 2012 ,		9
20	SINR analysis for beamforming OFDM systems under joint transmit-receive I/Q imbalance 2012 ,		4
19	Enhanced Alamouti decoding scheme for DVB-T2 systems in SFN channels 2011 ,		7

18	Effect of high-velocity scenarios on the performance of MIMO LTE packet scheduling 2011 ,		4
17	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
16	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
15	Estimation of highly selective channels for downlink LTE system by a robust neural network 2010 ,		1
14	Sensor network architecture for deployment over low-voltage powerlines 2010 ,		2
13	Blind Estimation of Large Carrier Frequency Offset in Wireless OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 965-968	6.8	16
12	Dynamic Feedback Carrier Frequency Offset Estimator for OFDM Systems 2007 ,		1
11	Highly efficient techniques for mitigating the effects of multipath propagation in DS-CDMA delay estimation. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 149-162	9.6	34
10	Extended Kalman Filter Channel Estimation for Line-of-Sight Detection in WCDMA Mobile Positioning. <i>Eurasip Journal on Advances in Signal Processing</i> , 2003 , 2003, 1	1.9	19
9	Subchip multipath delay estimation for downlink WCDMA system based on Teager-Kaiser operator. <i>IEEE Communications Letters</i> , 2003 , 7, 1-3	3.8	15
8	Polynomial-based maximum-likelihood technique for synchronization in digital receivers. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2002 , 49, 567-576		16
7	Teager energy and the ambiguity function. <i>IEEE Transactions on Signal Processing</i> , 1999 , 47, 260-262	4.8	34
6	Superresolution algorithms for detecting overlapped paths in DS-CDMA systems with long codes		3
5	Performance analysis of an efficient multipath delay estimation approach in a CDMA multiuser environment		2
4	New maximum likelihood based frequency estimator for digital receivers		3
3	New design approach for polynomial-based interpolation		1
2	Impulse noise removal in highly corrupted color images		11
1	Continuous-time signal processing based on polynomial approximation		3

