

Waleed Ejaz

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.

105
papers

1,673
citations

21
h-index

37
g-index

117
ext. papers

2,192
ext. citations

4
avg, IF

5.53
L-index

#	Paper	IF	Citations
105	A compendium of radio resource management in UAV-assisted next generation computing paradigms. <i>Ad Hoc Networks</i> , 2022 , 131, 102844	4.8	0
104	Resource Optimization of D2D assisted CR network with NOMA for 5G and Beyond Systems. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	
103	Enhanced network sensitive access control scheme for LTE/LAA/WiFi coexistence: Modeling and performance analysis. <i>Computer Communications</i> , 2021 , 172, 45-53	5.1	3
102	SWIPT-Assisted Energy Efficiency Optimization in 5G/B5G Cooperative IoT Network. <i>Energies</i> , 2021 , 14, 2515	3.1	3
101	. <i>IEEE Internet of Things Magazine</i> , 2021 , 4, 66-73	3.5	3
100	IoV-Based Deployment and Scheduling of Charging Infrastructure in Intelligent Transportation Systems. <i>IEEE Sensors Journal</i> , 2021 , 21, 15504-15514	4	7
99	On-Demand Sensing and Wireless Power Transfer for Self-Sustainable Industrial Internet of Things Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7075-7084	11.9	7
98	Energy Cooperation with Sleep Mechanism in Renewable Energy Assisted Cellular HetNets. <i>Wireless Personal Communications</i> , 2021 , 116, 105-124	1.9	2
97	Multi-Criterion Resource Management in Energy Harvested Cooperative UAV-enabled IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
96	Efficient deployment of UAVs for disaster management: A multi-criterion optimization approach. <i>Computer Communications</i> , 2021 , 177, 185-194	5.1	10
95	Resource management in UAV-assisted wireless networks: An optimization perspective. <i>Ad Hoc Networks</i> , 2021 , 121, 102596	4.8	8
94	The Role of UAV-Assisted IoT Networks in Managing the Impact of the Pandemic. <i>IEEE Communications Standards Magazine</i> , 2021 , 5, 10-16	3.3	
93	On seamless and high-bandwidth connectivity for cognitive multi-unmanned aerial vehicle-assisted networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 32, e3979	1.9	2
92	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020 , 6, 256-270	6.6	9
91	Learning paradigms for communication and computing technologies in IoT systems. <i>Computer Communications</i> , 2020 , 153, 11-25	5.1	9
90	Energy-efficient task scheduling and physiological assessment in disaster management using UAV-assisted networks. <i>Computer Communications</i> , 2020 , 155, 150-157	5.1	24
89	A comprehensive survey on resource allocation for CRAN in 5G and beyond networks. <i>Journal of Network and Computer Applications</i> , 2020 , 160, 102638	7.9	26

88	. <i>IEEE Internet of Things Magazine</i> , 2020 , 3, 60-65	3.5	7
87	Planning capacity for 5G and beyond wireless networks by discrete fireworks algorithm with ensemble of local search methods. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020,	3.2	4
86	Device-centric communication in IoT: An energy efficiency perspective. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e3750	1.9	4
85	Efficient scheduling of video camera sensor networks for IoT systems in smart cities. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e3798	1.9	3
84	. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1066-1083	6.7	5
83	SDN-assisted efficient LTE-WiFi aggregation in next generation IoT networks. <i>Future Generation Computer Systems</i> , 2020 , 107, 898-908	7.5	18
82	Optimising the power using firework-based evolutionary algorithms for emerging IoT applications. <i>IET Networks</i> , 2019 , 8, 15-31	2.8	7
81	ADLAuth: Passive Authentication Based on Activity of Daily Living Using Heterogeneous Sensing in Smart Cities. <i>Sensors</i> , 2019 , 19,	3.8	21
80	Emerging Edge Computing Technologies for Distributed IoT Systems. <i>IEEE Network</i> , 2019 , 33, 140-147	11.4	24
79	Resource allocation in RF energy harvesting-assisted underlay D2D communication. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3589	1.9	2
78	Non-Orthogonal Radio Resource Management for RF Energy Harvested 5G Networks. <i>IEEE Access</i> , 2019 , 7, 46550-46561	3.5	4
77	Distributed energy-efficient channel assignment in cognitive mesh network for IoT systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3607	1.9	2
76	On Provision of Resilient Connectivity in Cognitive Unmanned Aerial Vehicles 2019 ,		2
75	Renewable Energy Assisted Sustainable and Environment Friendly Energy Cooperation in Cellular Networks. <i>Wireless Personal Communications</i> , 2019 , 108, 2585-2607	1.9	3
74	Unmanned Aerial Vehicles enabled IoT Platform for Disaster Management. <i>Energies</i> , 2019 , 12, 2706	3.1	26
73	Adaptive Error Control Framework for a Multihop Cognitive Radio based UAVs for Disaster Management 2019 ,		2
72	2019 ,		1
71	Internet of Things Platform for Transparency and Traceability of Food Supply Chain 2019 ,		4

70	Internet of Things for Smart Cities. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2019 ,	0.4	12
69	Internet of Things for Smart Cities: Overview and Key Challenges. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2019 , 1-15	0.4	16
68	Communication Technologies and Protocols for Internet of Things. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2019 , 17-30	0.4	7
67	Blockchain Technology for Security and Privacy in Internet of Things. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2019 , 47-55	0.4	12
66	Resource Management in Multicloud IoT Radio Access Network. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 3014-3023	10.7	16
65	. <i>IEEE Access</i> , 2018 , 6, 12228-12239	3.5	14
64	A unified analytical framework for distributed variable step size LMS algorithms in sensor networks. <i>Telecommunication Systems</i> , 2018 , 69, 447-459	2.3	2
63	Multiband Spectrum Sensing and Resource Allocation for IoT in Cognitive 5G Networks. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 150-163	10.7	90
62	Resource management in cellular base stations powered by renewable energy sources. <i>Journal of Network and Computer Applications</i> , 2018 , 112, 1-17	7.9	14
61	. <i>IEEE Systems Journal</i> , 2018 , 12, 1909-1920	4.3	10
60	. <i>IEEE Systems Journal</i> , 2018 , 12, 2141-2151	4.3	4
59	Cooperative Spectrum Sensing With Heterogeneous Devices: Hard Combining Versus Soft Combining. <i>IEEE Systems Journal</i> , 2018 , 12, 981-992	4.3	25
58	A survey and taxonomy on nonorthogonal multiple-access schemes for 5G networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018 , 29, e3202	1.9	27
57	Multiple Power Line Outage Detection in Smart Grids: Probabilistic Bayesian Approach. <i>IEEE Access</i> , 2018 , 6, 10650-10661	3.5	17
56	Joint user selection, mode assignment, and power allocation in cognitive radio-assisted D2D networks. <i>IET Communications</i> , 2018 , 12, 1207-1214	1.3	5
55	Distributed Learning-Based Multi-Band Multi-User Cooperative Sensing in Cognitive Radio Networks 2018 ,		6
54	A Compendium of Performance Metrics, Pricing Schemes, Optimization Objectives, and Solution Methodologies of Demand Side Management for the Smart Grid. <i>Energies</i> , 2018 , 11, 2801	3.1	27
53	Resource Management in Energy Harvesting Cooperative IoT Network under QoS Constraints. <i>Sensors</i> , 2018 , 18,	3.8	6

52	Renewable Energy Assisted Traffic Aware Cellular Base Station Energy Cooperation. <i>Energies</i> , 2018 , 11, 99	3.1	18
51	Editorial on Wireless Networking Technologies for Smart Cities. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-3	1.9	1
50	. <i>IEEE Access</i> , 2018 , 6, 62717-62727	3.5	17
49	Energy and Spectral Efficient Cognitive Radio Sensor Networks for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3220-3233	10.7	52
48	Frame size selection in CSMA-based cognitive radio wireless local area networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2904	1.9	2
47	Energy-efficient error coding and transmission for cognitive wireless body area network. <i>International Journal of Communication Systems</i> , 2017 , 30, e2985	1.7	3
46	Efficient Energy Management for the Internet of Things in Smart Cities 2017 , 55, 84-91		245
45	Efficient Joint User Association and Resource Allocation for Cloud Radio Access Networks. <i>IEEE Access</i> , 2017 , 5, 1439-1448	3.5	27
44	Resource Allocation Schemes in D2D Communications: Overview, Classification, and Challenges. <i>Wireless Personal Communications</i> , 2017 , 96, 303-322	1.9	16
43	Interference and throughput aware resource allocation for multi-class D2D in 5G networks. <i>IET Communications</i> , 2017 , 11, 1241-1250	1.3	20
42	Distributed Gateway Selection for M2M Communication in Cognitive 5G Networks. <i>IEEE Network</i> , 2017 , 31, 94-100	11.4	14
41	Utility function design for strategic radio resource management games: An overview, taxonomy, and research challenges. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3128	1.9	3
40	IEEE Access Special Section Editorial: Future Networks: Architectures, Protocols, and Applications. <i>IEEE Access</i> , 2017 , 5, 27831-27835	3.5	2
39	A Novel Framework for Software Defined Wireless Sensor Networks 2017 ,		1
38	Resource Allocation for Energy Harvesting Assisted D2D Communications Underlying OFDMA Cellular Networks 2017 ,		4
37	Charging infrastructure placement for electric vehicles: An optimization prospective 2017 ,		2
36	IEEE Access Special Section Editorial: The New Era of Smart Cities: Sensors, Communication Technologies, and Applications. <i>IEEE Access</i> , 2017 , 5, 27836-27840	3.5	8
35	Joint workload scheduling and BBU allocation in cloud-RAN for 5G networks 2017 ,		6

34	QoS-aware channel assignment for IoT-enabled smart building in 5G systems 2016 ,		5
33	Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks. <i>IEEE Access</i> , 2016 , 4, 980-992	3.5	52
32	Efficient Wireless Power Transfer in Software-Defined Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2016 , 16, 7409-7420	4	52
31	. <i>IEEE Access</i> , 2016 , 4, 3647-3658	3.5	51
30	Resource Allocation and Massive Access Control Using Relay Assisted Machine-Type Communication in LTE Networks 2016 ,		1
29	Utility Based Resource Management in D2D Networks Using Mesh Adaptive Direct Search Method 2016 ,		3
28	Variable step-size strategy for distributed parameter estimation of compressible systems in WSNs 2016 ,		1
27	Compressed sensing-based channel estimation for ACO-OFDM visible light communications in 5G systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	11
26	Internet of Things (IoT) in 5G Wireless Communications. <i>IEEE Access</i> , 2016 , 4, 10310-10314	3.5	85
25	Energy and throughput efficient cooperative spectrum sensing in cognitive radio sensor networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2015 , 26, 1019-1030	1.9	51
24	Saliency-directed prioritization of visual data in wireless surveillance networks. <i>Information Fusion</i> , 2015 , 24, 16-30	16.7	62
23	. <i>Proceedings of the IEEE</i> , 2015 , 103, 1125-1158	14.3	39
22	Machine-to-Machine Communications in Cognitive Cellular Systems 2015 ,		15
21	Securing cognitive radio enabled smart grid systems against cyber attacks 2015 ,		5
20	Optimal placement and number of energy transmitters in wireless sensor networks for RF energy transfer 2015 ,		10
19	GSM: gateway selection mechanism for strengthening inter-cluster coordination in cognitive radio ad hoc networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	5
18	I3S: Intelligent spectrum sensing scheme for cognitive radio networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	20
17	Cooperative Spectrum Sensing for Cognitive Radio Networks Application: Performance Analysis for Realistic Channel Conditions. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 197-206	0.4	4

16	Two-state routing protocol for maritime multi-hop wireless networks. <i>Computers and Electrical Engineering</i> , 2013 , 39, 1854-1866	4.3	17
15	Optimal entropy-based spectrum sensing for cognitive radio networks under severe path loss conditions 2013 ,		1
14	Distributed cooperative spectrum sensing in cognitive radio for ad hoc networks. <i>Computer Communications</i> , 2013 , 36, 1341-1349	5.1	44
13	Consensus-Based Distributive Cooperative Spectrum Sensing for Mobile Ad Hoc Cognitive Radio Networks. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 450626	1.7	1
12	Recursive Pyramid Algorithm-Based Discrete Wavelet Transform for Reactive Power Measurement in Smart Meters. <i>Energies</i> , 2013 , 6, 4721-4738	3.1	2
11	Optimal Entropy-Based Cooperative Spectrum Sensing for Maritime Cognitive Radio Networks. <i>Entropy</i> , 2013 , 15, 4993-5011	2.8	10
10	Behavioural analysis of low entropy mobile people using contextual information 2012 ,		1
9	iDetection: Intelligent Primary User Detection for Cognitive Radio Networks 2012 ,		1
8	Cooperative Spectrum Sensing among Mobile Nodes in Cognitive Radio Distributed Network 2012 ,		6
7	Improved local spectrum sensing for cognitive radio networks. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	23
6	Meat and fish freshness inspection system based on odor sensing. <i>Sensors</i> , 2012 , 12, 15542-57	3.8	51
5	Tiered approach to infer the behaviour of low entropy mobile people 2012 ,		1
4	Fully Distributed Cooperative Spectrum Sensing for Cognitive Radio Ad Hoc Networks 2011 ,		8
3	Fuzzy Logic Based Spectrum Sensing for Cognitive Radio Networks 2011 ,		10
2	Spectrum sensing techniques for cognitive radio networks: Performance analysis 2011 ,		11
1	Particle Swarm Optimization Based Methodology for Solving Network Selection Problem in Cognitive Radio Networks 2011 ,		2