Waleed Ejaz

List of Publications by Citations

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	Efficient Energy Management for the Internet of Things in Smart Cities **2017**, 55, 84-91		245
104	Multiband Spectrum Sensing and Resource Allocation for IoT in Cognitive 5G Networks. *IEEE Internet of Things Journal*, **2018**, 5, 150-163	10.7	90
103	Internet of Things (IoT) in 5G Wireless Communications. *IEEE Access*, **2016**, 4, 10310-10314	3.5	85
102	Saliency-directed prioritization of visual data in wireless surveillance networks. *Information Fusion*, **2015**, 24, 16-30	16.7	62
101	Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks. *IEEE Access*, **2016**, 4, 980-992	3.5	52
100	Efficient Wireless Power Transfer in Software-Defined Wireless Sensor Networks. *IEEE Sensors Journal*, **2016**, 16, 7409-7420	4	52
99	Energy and Spectral Efficient Cognitive Radio Sensor Networks for Internet of Things. *IEEE Internet of Things Journal*, **2018**, 5, 3220-3233	10.7	52
98	Energy and throughput efficient cooperative spectrum sensing in cognitive radio sensor networks. *Transactions on Emerging Telecommunications Technologies*, **2015**, 26, 1019-1030	1.9	51
97	Meat and fish freshness inspection system based on odor sensing. *Sensors*, **2012**, 12, 15542-57	3.8	51
96	. *IEEE Access*, **2016**, 4, 3647-3658	3.5	51
95	Distributed cooperative spectrum sensing in cognitive radio for ad hoc networks. *Computer Communications*, **2013**, 36, 1341-1349	5.1	44
94	. *Proceedings of the IEEE*, **2015**, 103, 1125-1158	14.3	39
93	Efficient Joint User Association and Resource Allocation for Cloud Radio Access Networks. *IEEE Access*, **2017**, 5, 1439-1448	3.5	27
92	A survey and taxonomy on nonorthogonal multiple-access schemes for 5G networks. *Transactions on Emerging Telecommunications Technologies*, **2018**, 29, e3202	1.9	27
91	A Compendium of Performance Metrics, Pricing Schemes, Optimization Objectives, and Solution Methodologies of Demand Side Management for the Smart Grid. *Energies*, **2018**, 11, 2801	3.1	27
90	A comprehensive survey on resource allocation for CRAN in 5G and beyond networks. *Journal of Network and Computer Applications*, **2020**, 160, 102638	7.9	26
89	Unmanned Aerial Vehicles enabled IoT Platform for Disaster Management. *Energies*, **2019**, 12, 2706	3.1	26

88	Cooperative Spectrum Sensing With Heterogeneous Devices: Hard Combining Versus Soft Combining. *IEEE Systems Journal*, **2018**, 12, 981-992	4.3	25
87	Emerging Edge Computing Technologies for Distributed IoT Systems. *IEEE Network*, **2019**, 33, 140-147	11.4	24
86	Energy-efficient task scheduling and physiological assessment in disaster management using UAV-assisted networks. *Computer Communications*, **2020**, 155, 150-157	5.1	24
85	Improved local spectrum sensing for cognitive radio networks. *Eurasip Journal on Advances in Signal Processing*, **2012**, 2012,	1.9	23
84	ADLAuth: Passive Authentication Based on Activity of Daily Living Using Heterogeneous Sensing in Smart Cities. *Sensors*, **2019**, 19,	3.8	21
83	Interference and throughput aware resource allocation for multi-class D2D in 5G networks. *IET Communications*, **2017**, 11, 1241-1250	1.3	20
82	I3S: Intelligent spectrum sensing scheme for cognitive radio networks. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	20
81	SDN-assisted efficient LTE-WiFi aggregation in next generation IoT networks. *Future Generation Computer Systems*, **2020**, 107, 898-908	7.5	18
80	Renewable Energy Assisted Traffic Aware Cellular Base Station Energy Cooperation. *Energies*, **2018**, 11, 99	3.1	18
79	Multiple Power Line Outage Detection in Smart Grids: Probabilistic Bayesian Approach. *IEEE Access*, **2018**, 6, 10650-10661	3.5	17
78	Two-state routing protocol for maritime multi-hop wireless networks. *Computers and Electrical Engineering*, **2013**, 39, 1854-1866	4.3	17
77	. *IEEE Access*, **2018**, 6, 62717-62727	3.5	17
76	Resource Allocation Schemes in D2D Communications: Overview, Classification, and Challenges. *Wireless Personal Communications*, **2017**, 96, 303-322	1.9	16
75	Internet of Things for Smart Cities: Overview and Key Challenges. *Springer Briefs in Electrical and Computer Engineering*, **2019**, 1-15	0.4	16
74	Resource Management in Multicloud IoT Radio Access Network. *IEEE Internet of Things Journal*, **2019**, 6, 3014-3023	10.7	16
73	Machine-to-Machine Communications in Cognitive Cellular Systems **2015**,		15
72	. *IEEE Access*, **2018**, 6, 12228-12239	3.5	14
71	Resource management in cellular base stations powered by renewable energy sources. *Journal of Network and Computer Applications*, **2018**, 112, 1-17	7.9	14

70	Distributed Gateway Selection for M2M Communication in Cognitive 5G Networks. *IEEE Network*, **2017**, 31, 94-100	11.4	14
69	Internet of Things for Smart Cities. *Springer Briefs in Electrical and Computer Engineering*, **2019**,	0.4	12
68	Blockchain Technology for Security and Privacy in Internet of Things. *Springer Briefs in Electrical and Computer Engineering*, **2019**, 47-55	0.4	12
67	Spectrum sensing techniques for cognitive radio networks: Performance analysis **2011**,		11
66	Compressed sensing-based channel estimation for ACO-OFDM visible light communications in 5G systems. *Eurasip Journal on Wireless Communications and Networking*, **2016**, 2016,	3.2	11
65	. *IEEE Systems Journal*, **2018**, 12, 1909-1920	4.3	10
64	Optimal placement and number of energy transmitters in wireless sensor networks for RF energy transfer **2015**,		10
63	Optimal Entropy-Based Cooperative Spectrum Sensing for Maritime Cognitive Radio Networks. *Entropy*, **2013**, 15, 4993-5011	2.8	10
62	Fuzzy Logic Based Spectrum Sensing for Cognitive Radio Networks **2011**,		10
61	Efficient deployment of UAVs for disaster management: A multi-criterion optimization approach. *Computer Communications*, **2021**, 177, 185-194	5.1	10
60	. *IEEE Transactions on Cognitive Communications and Networking*, **2020**, 6, 256-270	6.6	9
59	Learning paradigms for communication and computing technologies in IoT systems. *Computer Communications*, **2020**, 153, 11-25	5.1	9
58	IEEE Access Special Section Editorial: The New Era of Smart Cities: Sensors, Communication Technologies, and Applications. *IEEE Access*, **2017**, 5, 27836-27840	3.5	8
57	Fully Distributed Cooperative Spectrum Sensing for Cognitive Radio Ad Hoc Networks **2011**,		8
56	Resource management in UAV-assisted wireless networks: An optimization perspective. *Ad Hoc Networks*, **2021**, 121, 102596	4.8	8
55	Optimising the power using firework-based evolutionary algorithms for emerging IoT applications. *IET Networks*, **2019**, 8, 15-31	2.8	7
54	. *IEEE Internet of Things Magazine*, **2020**, 3, 60-65	3.5	7
53	Communication Technologies and Protocols for Internet of Things. *Springer Briefs in Electrical and Computer Engineering*, **2019**, 17-30	0.4	7

52	IoV-Based Deployment and Scheduling of Charging Infrastructure in Intelligent Transportation Systems. *IEEE Sensors Journal*, **2021**, 21, 15504-15514	4	7
51	On-Demand Sensing and Wireless Power Transfer for Self-Sustainable Industrial Internet of Things Networks. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 7075-7084	11.9	7
50	Cooperative Spectrum Sensing among Mobile Nodes in Cognitive Radio Distributed Network **2012**,		6
49	Joint workload scheduling and BBU allocation in cloud-RAN for 5G networks **2017**,		6
48	Distributed Learning-Based Multi-Band Multi-User Cooperative Sensing in Cognitive Radio Networks **2018**,		6
47	Resource Management in Energy Harvesting Cooperative IoT Network under QoS Constraints. *Sensors*, **2018**, 18,	3.8	6
46	QoS-aware channel assignment for IoT-enabled smart building in 5G systems **2016**,		5
45	Joint user selection, mode assignment, and power allocation in cognitive radio-assisted D2D networks. *IET Communications*, **2018**, 12, 1207-1214	1.3	5
44	GSM: gateway selection mechanism for strengthening inter-cluster coordination in cognitive radio ad hoc networks. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	5
43	Securing cognitive radio enabled smart grid systems against cyber attacks **2015**,		5
42	. *IEEE Open Journal of the Communications Society*, **2020**, 1, 1066-1083	6.7	5
41	Non-Orthogonal Radio Resource Management for RF Energy Harvested 5G Networks. *IEEE Access*, **2019**, 7, 46550-46561	3.5	4
40	. *IEEE Systems Journal*, **2018**, 12, 2141-2151	4.3	4
39	Cooperative Spectrum Sensing for Cognitive Radio Networks Application: Performance Analysis for Realistic Channel Conditions. *Advances in Intelligent Systems and Computing*, **2013**, 197-206	0.4	4
38	Resource Allocation for Energy Harvesting Assisted D2D Communications Underlaying OFDMA Cellular Networks **2017**,		4
37	Planning capacity for 5G and beyond wireless networks by discrete fireworks algorithm with ensemble of local search methods. *Eurasip Journal on Wireless Communications and Networking*, **2020**, 2020,	3.2	4
36	Device-centric communication in IoT: An energy efficiency perspective. *Transactions on Emerging Telecommunications Technologies*, **2020**, 31, e3750	1.9	4
35	Internet of Things Platform for Transparency and Traceability of Food Supply Chain **2019**,		4

34	Energy-efficient error coding and transmission for cognitive wireless body area network. *International Journal of Communication Systems*, **2017**, 30, e2985	1.7	3
33	Renewable Energy Assisted Sustainable and Environment Friendly Energy Cooperation in Cellular Networks. *Wireless Personal Communications*, **2019**, 108, 2585-2607	1.9	3
32	Utility function design for strategic radio resource management games: An overview, taxonomy, and research challenges. *Transactions on Emerging Telecommunications Technologies*, **2017**, 28, e3128	1.9	3
31	Efficient scheduling of video camera sensor networks for IoT systems in smart cities. *Transactions on Emerging Telecommunications Technologies*, **2020**, 31, e3798	1.9	3
30	Enhanced network sensitive access control scheme for LTE□AA/WiFi coexistence: Modeling and performance analysis. *Computer Communications*, **2021**, 172, 45-53	5.1	3
29	SWIPT-Assisted Energy Efficiency Optimization in 5G/B5G Cooperative IoT Network. *Energies*, **2021**, 14, 2515	3.1	3
28	. *IEEE Internet of Things Magazine*, **2021**, 4, 66-73	3.5	3
27	Utility Based Resource Management in D2D Networks Using Mesh Adaptive Direct Search Method **2016**,		3
26	Frame size selection in CSMA-based cognitive radio wireless local area networks. *Transactions on Emerging Telecommunications Technologies*, **2017**, 28, e2904	1.9	2
25	Resource allocation in RF energy harvesting-assisted underlay D2D communication. *Transactions on Emerging Telecommunications Technologies*, **2019**, 30, e3589	1.9	2
24	Distributed energy-efficient channel assignment in cognitive mesh network for IoT systems. *Transactions on Emerging Telecommunications Technologies*, **2019**, 30, e3607	1.9	2
23	On seamless and high-bandwidth connectivity for cognitive multi-unmanned aerial vehicle-assisted networks. *Transactions on Emerging Telecommunications Technologies*, **2020**, 32, e3979	1.9	2
22	A unified analytical framework for distributed variable step size LMS algorithms in sensor networks. *Telecommunication Systems*, **2018**, 69, 447-459	2.3	2
21	On Provision of Resilient Connectivity in Cognitive Unmanned Aerial Vehicles **2019**,		2
20	IEEE Access Special Section Editorial: Future Networks: Architectures, Protocols, and Applications. *IEEE Access*, **2017**, 5, 27831-27835	3.5	2
19	Charging infrastructure placement for electric vehicles: An optimization prospective **2017**,		2
18	Recursive Pyramid Algorithm-Based Discrete Wavelet Transform for Reactive Power Measurement in Smart Meters. *Energies*, **2013**, 6, 4721-4738	3.1	2
17	Particle Swarm Optimization Based Methodology for Solving Network Selection Problem in Cognitive Radio Networks **2011**,		2

List of Publications

16	Adaptive Error Control Framework for a Multihop Cognitive Radio based UAVs for Disaster Management **2019**,		2
15	Energy Cooperation with Sleep Mechanism in Renewable Energy Assisted Cellular HetNets. *Wireless Personal Communications*, **2021**, 116, 105-124	1.9	2
14	Multi-Criterion Resource Management in Energy Harvested Cooperative UAV-enabled IoT Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	2
13	Optimal entropy-based spectrum sensing for cognitive radio networks under severe path loss conditions **2013**,		1
12	A Novel Framework for Software Defined Wireless Sensor Networks **2017**,		1
11	Behavioural analysis of low entropy mobile people using contextual information **2012**,		1
10	iDetection: Intelligent Primary User Detection for Cognitive Radio Networks **2012**,		1
9	Consensus-Based Distributive Cooperative Spectrum Sensing for Mobile Ad Hoc Cognitive Radio Networks. *International Journal of Distributed Sensor Networks*, **2013**, 9, 450626	1.7	1
8	Tiered approach to infer the behaviour of low entropy mobile people **2012**,		1
7	Resource Allocation and Massive Access Control Using Relay Assisted Machine-Type Communication in LTE Networks **2016**,		1
6	Variable step-size strategy for distributed parameter estimation of compressible systems in WSNs **2016**,		1
5	**2019**,		1
4	Editorial on Wireless Networking Technologies for Smart Cities. *Wireless Communications and Mobile Computing*, **2018**, 2018, 1-3	1.9	1
3	A compendium of radio resource management in UAV-assisted next generation computing paradigms. *Ad Hoc Networks*, **2022**, 131, 102844	4.8	0
2	The Role of UAV-Assisted IoT Networks in Managing the Impact of the Pandemic. *IEEE Communications Standards Magazine*, **2021**, 5, 10-16	3.3	
1	Resource Optimization of D2D assisted CR network with NOMA for 5G and Beyond Systems. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	