Jamil Y Khan

List of Publications by Year
in descending order

136 papers	1,581 citations	471061 17 h-index	454577 30 g-index
136 all docs	136 docs citations	136 times ranked	1601 citing authors

#	Article	IF	Citations
1	A comprehensive review of the application characteristics and traffic requirements of a smart grid communications network. Computer Networks, 2013, 57, 825-845.	3.2	201
2	A Distributed Energy-Harvesting-Aware Routing Algorithm for Heterogeneous IoT Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 1115-1127.	3.5	106
3	Wireless Body Area Network (WBAN) Design Techniques and Performance Evaluation. Journal of Medical Systems, 2012, 36, 1441-1457.	2.2	105
4	Wireless Body Sensor Network Using Medical Implant Band. Journal of Medical Systems, 2007, 31, 467-474.	2.2	63
5	Performance evaluation of a Wireless Body Area sensor network for remote patient monitoring. , 2008, 2008, 1266-9.		54
6	A VANET based Intelligent Road Traffic Signalling System. , 2012, , .		41
7	Monitoring of Physiological Parameters from Multiple Patients Using Wireless Sensor Network. Journal of Medical Systems, 2008, 32, 433-441.	2.2	35
8	Key performance aspects of an LTE FDD based Smart Grid communications network. Computer Communications, 2013, 36, 551-561.	3.1	31
9	Energy harvested roadside IEEE 802.15.4 wireless sensor networks for IoT applications. Ad Hoc Networks, 2017, 56, 109-121.	3.4	31
10	A Predictive Resource Allocation Algorithm in the LTE Uplink for Event Based M2M Applications. IEEE Transactions on Mobile Computing, 2015, 14, 2433-2446.	3.9	30
11	A MICS Band Wireless Body Sensor Network. , 2007, , .		29
12	Power Efficient Ultra Wide Band Based Wireless Body Area Networks with Narrowband Feedback Path. IEEE Transactions on Mobile Computing, 2014, 13, 1829-1842.	3.9	29
13	An Adaptive MAC Protocol for RF Energy Harvesting Wireless Sensor Networks. , 2016, , .		29
14	Real-Time Load Scheduling, Energy Storage Control and Comfort Management for Grid-Connected Solar Integrated Smart Buildings. Applied Energy, 2020, 259, 114208.	5.1	29
15	A heterogeneous WiMAX-WLAN network for AMI communications in the smart grid. , 2012, , .		27
16	Distributed spatial reuse distance control for basic safety messages in SDMA-based VANETs. Vehicular Communications, 2015, 2, 27-35.	2.7	27
17	Performance comparison of LTE FDD and TDD based Smart Grid communications networks for uplink biased traffic. , 2012, , .		26
18	A predictive road traffic management system based on vehicular ad-hoc network. , 2014, , .		26

#	ARTICLE	IF	CITATIONS
19	Wide area PMU communication over a WiMAX network in the smart grid. , 2012, , .		25
20	On optimal network selection in a dynamic multi-RAT environment. IEEE Communications Letters, 2010, 14, 217-219.	2.5	23
21	A multi-hop broadcast protocol design for emergency warning notification in highway VANETs. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	23
22	Real-Time Load Scheduling and Storage Management for Solar Powered Network Connected EVs. IEEE Transactions on Sustainable Energy, 2020, 11, 1220-1235.	5.9	23
23	Dynamic Access Network Selection with QoS Parameters Estimation: A Step Closer to ABC. IEEE Vehicular Technology Conference, 2008, , .	0.2	22
24	A Wireless Medical Monitoring Over a Heterogeneous Sensor Network. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5895-9.	0.5	20
25	An effective energy-harvesting-aware routing algorithm for WSN-based IoT applications. , 2017, , .		20
26	Roof-Top Stand-Alone PV Micro-Grid: A Joint Real-Time BES Management, Load Scheduling and Energy Procurement From a Peaker Generator. IEEE Transactions on Smart Grid, 2019, 10, 3895-3909.	6.2	20
27	Performance analysis of an enhanced delay sensitive LTE uplink scheduler for M2M traffic. , 2013, , .		18
28	Predictive resource allocation in the LTE uplink for event based M2M applications. , 2013, , .		17
29	A Cooperative Safety Zone Approach to Enhance the Performance of VANET Applications. , 2013, , .		16
30	Radio Resource Management of Composite Wireless Networks: Predictive and Reactive Approaches. IEEE Transactions on Mobile Computing, 2012, 11, 807-820.	3.9	15
31	Joint space-division multiple access and adaptive rate control for basic safety messages in VANETs. , 2014, , .		15
32	Performance analysis of WiMAX polling service for smart grid meter reading applications. , 2012, , .		14
33	Investigation of a short-range underwater acoustic communication channel for MAC protocol design. , 2010, , .		13
34	Design of a buffer and channel adaptive LTE semi-persistent scheduler for M2M communications. , 2015, , .		13
35	Performance analysis of an adaptive rate-range control algorithm for VANET safety applications. , 2014, , .		12
36	A geocasting technique in an IEEE802.11p based vehicular ad hoc network for road traffic management. , 2011, , .		11

#	Article	IF	Citations
37	Performance analysis of an LTE TDD based smart grid communications network for uplink biased traffic. , 2012, , .		11
38	Title is missing!. International Journal of Wireless Information Networks, 2000, 7, 211-220.	1.8	10
39	Cooperative radio resource management framework for future IP-based multiple radio access technologies environment. Computer Networks, 2010, 54, 1083-1107.	3.2	10
40	Pilot protection schemes over a multi-service WiMAX network in the smart grid. , 2013, , .		10
41	A delay sensitive LTE uplink packet scheduler for M2M traffic. , 2013, , .		10
42	An Adaptive Buffer Based Semi-persistent Scheduling Scheme for Machine-to-Machine Communications over LTE. , 2014, , .		10
43	QoS provisioning for VoIP over wireless local area networks. , 2008, , .		9
44	Performance analysis of a distributed 6LoWPAN network for the Smart Grid applications. , 2014, , .		9
45	Cluster-based D2D architecture for safety services in vehicular ad hoc networks. , 2018, , .		9
46	An Integrated Load Balancing Scheme for Future Wireless Networks. , 2009, , .		8
47	6LoWPAN based Neighborhood Area Network for a smart grid communication infrastructure. , 2013, , .		8
48	Performance analysis of a time headway based rate control algorithm for VANET safety applications. , 2013, , .		8
49	Multimedia Transmission for Emergency Services in VANETs. , 2014, , .		8
50	Utility-based interference management for full-duplex multicell networks. , 2015, , .		8
51	Efficient multimedia transmission using adaptive packet bursting for wireless LANs. Computer Communications, 2009, 32, 1271-1280.	3.1	7
52	A Unified QoS-Inspired Load Optimization Framework for Multiple Access Points Based Wireless LANs. , 2009, , .		7
53	On Dynamic Load Distribution Algorithms for Multi-AP WLAN under Diverse Conditions. , 2010, , .		7
54	Performance evaluation of an adaptive semi-persistent LTE packet scheduler for M2M communications. , 2014, , .		7

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55	An energy and QoS-aware packet transmission algorithm for IEEE 802.15.4 networks. , 2015, , .		7
56	Interference mitigation techniques for a dense heterogeneous area network in machine‐to‐machine communications. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3763.	2.6	7
57	A predictive network resource allocation technique for cognitive wireless networks. , 2010, , .		6
58	Performance analysis of VoIP services on the LTE network. , 2011, , .		6
59	Dynamic resource allocation in a LTE/WLAN heterogeneous network. , 2012, , .		6
60	Adaptive Space Time - Time Division Multiple Access (AST-TDMA) protocol for an underwater swarm of AUV's. , 2013, , .		6
61	Predictive allocation of resources in the LTE uplink based on maximum likelihood estimation of event propagation characteristics for M2M applications. , 2014, , .		6
62	A Cooperative MAC Protocol for a M2M Heterogeneous Area Network. Journal of Sensor and Actuator Networks, 2016, 5, 12.	2.3	6
63	A Self-Sustainable RF Energy Harvesting Algorithm for WSN-Based IoT Applications. , 2017, , .		6
64	An Integrated Load Balancing Scheme for Future Wireless Networks. , 2008, , .		5
65	Performance analysis of an AIMD based EV charging algorithm over a wireless network. , 2013, , .		5
66	A MAC protocol for implanted devices communication in the MICS band. , 2013, , .		5
67	A packet age based LTE uplink packet scheduler for M2M traffic. , 2013, , .		5
68	Differential protection of microgrids over a WiMAX network. , 2013, , .		5
69	A D2D Multicast Network Architecture for Vehicular Communications. , 2019, , .		5
70	Quality of Service- and Fairness-Aware Resource Allocation Techniques for IEEE802.11ac WLAN. IEEE Access, 2021, 9, 25579-25593.	2.6	5
71	Optimal Sizing and Management of Distributed Energy Resources in Smart Buildings. Energy, 2022, 244, 123110.	4.5	5
72	An Efficient MBMS Content Delivery Scheme over the HSDPA Network. , 2009, , .		4

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73	Adaptive Token Polling MAC Protocol for Wireless Underwater Networks. , 2009, , .		4
74	Traffic prediction based packet transmission priority technique in an infrastructure wireless network. , 2011, , .		4
75	A Tone-Based Time-Slotted Protocol for Multi-Hop Emergency Message Dissemination in VANETs. , 2014, , .		4
76	Geolocation database-assisted QoS-aware cognitive network architecture. , 2015, , .		4
77	Delay Models for Static and Adaptive Persistent Resource Allocations in Wireless Systems. IEEE Transactions on Mobile Computing, 2016, 15, 2193-2205.	3.9	4
78	Clustered Multicast Protocols for Warning Message Transmissions in a VANET. , 2019, , .		4
79	Adaptive Multimedia Packet Transmission for Broadband IEEE 802.11 Wireless Lans. , 2006, , .		3
80	A group based point-to-multipoint MBMS algorithm over the HSDPA network. , 2008, , .		3
81	On load adaptation for multirate multi-AP multimedia WLAN-based cognitive networks. , 2009, , .		3
82	Performance of WiMAX packet schedulers for multi-class traffic. , 2010, , .		3
83	Delay Aware Resource Allocation Scheme for a Cognitive LTE Based Radio Network. , 2014, , .		3
84	An area packet scheduler to mitigate coexistence issues in a WPAN/WLAN based hetergeneous network. , 2015, , .		3
85	A QoS controlled spectrum switching resource allocation technique for cognitive Wi-Fi networks. , 2016, , .		3
86	Statistical delay-QoS driven resource allocation for multiuser cognitive radio networks. , 2018, , .		3
87	Network Topologies for dual band (UWB â€" transmit and Narrow Band- receive) Wireless Body Area Network. , 2011, , .		3
88	A 5G-Based Vehicular Network Architecture to Enhance Road Safety Applications. , 2021, , .		3
89	Study of Interdependency Between the HSDPA Air Interface and the Radio Access Network. , 2007, , .		2
90	Energy Efficient Architecture for Green Handsets in Next Generation IP-Based Wireless Networks. , 2011, , .		2

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91	A network controlled load management scheme for domestic charging of electric vehicles. , 2013, , .		2
92	Adaptive resource allocation with traffic peak duration prediction and admission control for cognitive Wi-Fi networks. Computer Networks, 2018, 142, 240-252.	3.2	2
93	A Joint Real Time Optimization of Household Loads, Energy Storage and Peak Generator for Stand-Alone Distributed PV Systems. , 2018, , .		2
94	Performance Comparison of Channel Sensing and Geolocation Database-Based Resource Allocation Techniques for Cognitive Radio Networks. , 2019, , .		2
95	A 6LoWPAN OPNET simulation model for machineâ€toâ€machine communications. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4120.	2.6	2
96	High Throughput and QoE Fairness Algorithms for HD Video Transmission over IEEE802.11ac Networks. , 2020, , .		2
97	Development of a Wireless Sensor Network System for Power Constrained Applications. , 2006, , .		1
98	Impact of a Radio Access Network Capacity on the HSDPA Link Performance. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	1
99	An Adaptive Resource Management Technique for a HSDPA Network. , 2007, , .		1
100	Distributed radio resource usage optimization of WLANs based on IEEE 1900.4 architecture. , 2009, , .		1
101	Reflection: An efficient technique for implementing an LTE based wireless network control system for smart grid and other applications. , 2013, , .		1
102	A QoS guaranteed energy optimized packet transmission technique for the IEEE802.11 WLAN. , 2013, , .		1
103	Delay and Loss Due to Uplink Packet Scheduling in LTE Network. Lecture Notes in Computer Science, 2013, , 1-12.	1.0	1
104	A QoS guaranteed low energy packet transmission technique for the IEEE 802.11 WLAN. , 2014, , .		1
105	An interference mitigation approach for a dense heterogeneous wireless sensor network. , 2015, , .		1
106	Energy efficient contention window adaptation algorithm for IEEE 802.11 WLAN. , 2015, , .		1
107	Blocking analysis of persistent resource allocations for M2M applications in wireless systems. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1513-1529.	2.6	1
108	A Proportional Opportunity Based Packet Transmission Technique for IEEE 802.11ac WLAN. , 2018, , .		1

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109	High Definition Video Packet Scheduling Algorithms for IEEE802.11ac Networks to Enhance QoE. , 2020, , .		1
110	An Efficient Data Dissemination Scheme for Warning Messages in Vehicular Ad Hoc Networks. International Journal of Wireless Networks and Broadband Technologies, 2011, 1, 55-72.	1.0	1
111	Energy Harvested IEEE802.15.4 Wireless Body Area Network. , 2015, , .		1
112	A Multi-Service Adaptive Semi-Persistent LTE Uplink Scheduler for Low Power M2M Devices. Future Internet, 2022, 14, 107.	2.4	1
113	A Simple RLC/MAC Protocol Architecture for a Wireless IP Network. International Journal on Wireless and Optical Communications, 2003, 01, 59-73.	0.2	0
114	An Adaptive Radio Access Network Resource Management Technique for a HSDPA Network. , 2007, , .		0
115	Towards Optimal Multimedia Packet Bursting for IEEE 802.11 Wireless LANs. , 2007, , .		0
116	Impact of variable network load on group based video multicast scheme over the HSDPA network. , 2009, , .		0
117	Dynamic protocol timing adaptation for improved efficiency in IEEE 802.11 wireless LANs. , 2009, , .		0
118	Comparative Performance Analysis of Dynamic Load Distribution Algorithms in a Multi-AP Wireless Network. , 2009, , .		0
119	A predictive protection scheme based on adaptive synchrophasor communications. , 2013, , .		0
120	Performance analysis of a city smart grid communication network based on the IEEE 802.16e standard. , 2013, , .		0
121	Impact of reverberation levels on short-range acoustic communication in an underwater swarm sensor network (USSN) and application to transmitter power control. , 2014, , .		0
122	Performance analysis of a tunable cost function based WLAN energy efficient packet transmission technique. , 2014, , .		0
123	Energy efficient contention window adaptation algorithm for multi-class traffic. , 2015, , .		0
124	A distributed energy efficient packet transmission algorithm for the IEEE802.11 WLAN. , 2015, , .		0
125	A VANET Based Electric Vehicle Energy Management Information System. Studies in Systems, Decision and Control, 2016, , 319-338.	0.8	0
126	An adaptive resource allocation technique with admission control for cognitive Wi-Fi networks. , 2017, , .		0

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127	Proximity Coordinated Random Access (PCRA) for M2M Applications in LTE-A. , 2018, , .		0
128	Stand-Alone Distributed PV Systems: Maximizing Self Consumption and User Comfort using ANNs. , 2018, , .		0
129	An Adaptive QoS Based Video Packet Transmission Technique for IEEE802.11ac WLAN. , 2019, , .		0
130	Real-time Energy Management of Solar-integrated Electric Vehicles as-service-over Vehicular Fog. , 2019, , .		0
131	HSPA Radio Access Network Design. Internet and Communications, 2010, , 233-270.	0.2	0
132	Cognitive Cooperation in Wireless Networks. , 2013, , 1498-1522.		0
133	Cognitive Cooperation in Wireless Networks. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 179-204.	0.3	0
134	An Efficient Data Dissemination Scheme for Warning Messages in Vehicular Ad Hoc Networks. , 0, , 308-327.		0
135	An Adaptive TXOP Sharing Algorithm for Multimedia Traffic in IEEE802.11ac Networks. , 2020, , .		0
136	A call to scale up biodiversity monitoring from idiosyncratic, small-scale programmes to coordinated, comprehensive and continuous monitoring across large scales. Australian Zoologist, 2022, , .	0.6	0