Kamran Arshad

List of Publications by Year
in descending order

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82 papers	1,313 citations	567281 15 h-index	395702 33 g-index
85 all docs	85 docs citations	85 times ranked	1393 citing authors

#	Article	IF	Citations
1	Interference Management in Femtocells. IEEE Communications Surveys and Tutorials, 2013, 15, 293-311.	39.4	294
2	A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G Small Cell Base Stations. IEEE Access, 2016, 4, 2952-2964.	4.2	187
3	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. IEEE Access, 2018, 6, 41903-41920.	4.2	70
4	A Hybrid Posture Detection Framework: Integrating Machine Learning and Deep Neural Networks. IEEE Sensors Journal, 2021, 21, 9515-9522.	4.7	68
5	Order-Statistic Based Spectrum Sensing for Cognitive Radio. IEEE Communications Letters, 2012, 16, 592-595.	4.1	47
6	Collaborative Spectrum Sensing Optimisation Algorithms for Cognitive Radio Networks. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-20.	0.6	46
7	Insights and Approaches for Low-Complexity 5G Small-Cell Base-Station Design for Indoor Dense Networks. IEEE Access, 2015, 3, 1562-1572.	4.2	38
8	Detection of Atrial Fibrillation Using a Machine Learning Approach. Information (Switzerland), 2020, 11, 549.	2.9	36
9	Optimum Radio Resource Management in Carrier Aggregation Based LTE-Advanced Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 580-589.	6.3	30
10	Non Invasive Skin Hydration Level Detection Using Machine Learning. Electronics (Switzerland), 2020, 9, 1086.	3.1	29
11	Dynamic Spectrum Allocation Algorithm with Interference Management in Co-Existing Networks. IEEE Communications Letters, 2011, 15, 932-934.	4.1	26
12	Resource management for QoS support in cognitive radio networks. , 2014, 52, 114-120.		26
13	A joint resource allocation and link adaptation algorithm with carrier aggregation for 5G LTE-Advanced network. , 2015, , .		26
14	A downlink power control scheme for interference avoidance in femtocells. , 2011, , .		23
15	Making assembly line in supply chain robust and secure using UHF RFID. Scientific Reports, 2021, 11, 18041.	3.3	23
16	LTE-Advanced Radio Access Enhancements: A Survey. Wireless Personal Communications, 2015, 80, 891-921.	2.7	22
17	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. IEEE Access, 2019, 7, 180898-180909.	4.2	21
18	Is the Zero-Wait Policy Always Optimum for Information Freshness (Peak Age) or Throughput?. IEEE Communications Letters, 2019, 23, 987-990.	4.1	16

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19	Mobility driven energy detection based spectrum sensing framework of a cognitive radio. , 2010, , .		15
20	Robust spectrum sensing based on statistical tests. IET Communications, 2013, 7, 808-817.	2.2	15
21	Novel Ensemble Algorithm for Multiple Activity Recognition in Elderly People Exploiting Ubiquitous Sensing Devices. IEEE Sensors Journal, 2021, 21, 18214-18221.	4.7	15
22	Robust collaborative spectrum sensing in the presence of deleterious users. IET Communications, 2013, 7, 49-56.	2.2	11
23	LTE system level performance in the presence of CQI feedback uplink delay and mobility. , 2015, , .		10
24	An adaptive hybrid scheduling algorithm for LTE-Advanced. , 2015, , .		10
25	Energy-Efficient Resource Allocation for LTE-A Networks. IEEE Communications Letters, 2016, , 1-1.	4.1	10
26	Generalized proportional fair (GPF) scheduler for LTE-A. , 2017, , .		10
27	Energy Efficient MAC Protocols for Wireless Sensor Network: A Survey. International Journal of Wireless and Mobile Networks, 2013, 5, 75-89.	0.2	10
28	Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. Journal of Sensor and Actuator Networks, 2021, 10, 63.	3.9	10
29	Distributed power control algorithm for cognitive radios with primary protection via spectrum sensing under user mobility. Ad Hoc Networks, 2012, 10, 740-751.	5.5	9
30	Distributed Power Control for Cognitive Radios with Primary Protection via Spectrum Sensing. , 2010, , .		8
31	Cognitive Radio Systems Evaluation: Measurement, Modeling, and Emulation Approach. IEEE Vehicular Technology Magazine, 2012, 7, 77-84.	3.4	8
32	Optimal Packet Length for Free-Space Optical Communications with Average SNR Feedback Channel. Journal of Computer Networks and Communications, 2019, 2019, 1-8.	1.6	8
33	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. Electronics (Switzerland), 2021, 10, 1603.	3.1	8
34	Detecting Alzheimerâ€™s Disease Using Machine Learning Methods. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 89-100.	0.3	8
35	Personalized wearable electrodermal sensing-based human skin hydration level detection for sports, health and wellbeing. Scientific Reports, 2022, 12, 3715.	3.3	8
36	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. Sensors, 2021, 21, 4933.	3.8	7

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37	Hybrid Cognitive Satellite Terrestrial Coverage. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 523-533.	0.3	7
38	Statistical models of spectrum opportunities for cognitive radio. , 2011, , .		6
39	Malicious users detection in collaborative spectrum sensing using statistical tests. , 2012, , .		6
40	Aggregation-based spectrum assignment in cognitive radio networks. , 2013, , .		6
41	Energy efficient scheduling in LTE-advanced for Machine Type Communication. , 2015, , .		5
42	Energy efficient carrier aggregation for LTE-Advanced. , 2015, , .		5
43	Optimisation of collaborative spectrum sensing with SIMO cognitive terminals using genetic algorithm. , 2009, , .		4
44	Resource allocation algorithms for OFDM based wireless systems. , 2015, , .		4
45	Resource Allocation in LTE-Based MIMO Systems with Carrier Aggregation. , 2016, , .		4
46	Smart Prediction System for Facial Paralysis. , 2020, , .		4
47	A Review and Comparison of the State-of-the-Art Techniques for Atrial Fibrillation Detection and Skin Hydration. Frontiers in Communications and Networks, 2021, 2, .	3.0	4
48	Collaborative spectrum sensing: Optimising the number of collaborating users. , 2009, , .		3
49	Efficient Spectrum Management among Spectrum Sharing UMTS Operators. , 2011, , .		3
50	Selecting users in energy-efficient collaborative spectrum sensing. , 2012, , .		3
51	Indoor statistical channel modelling using Agilent 8960. , 2013, , .		3
52	LTE-advanced, and the way forward. , 2014, , .		3
53	Intelligent Hearing System using Assistive Technology for Hearing-Impaired Patients. , 2018, , .		3
54	Mobile Internet Activity Estimation and Analysis at High Granularity: SVR Model Approach. , 2018, , .		3

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55	Throughput optimization of cooperative non orthogonal multiple access. Telecommunication Systems, 2021, 76, 359-370.	2.5	3
56	Modelling IoT devices communication employing representative operation modes to reveal traffic generation characteristics. International Journal of Parallel, Emergent and Distributed Systems, 2021, 36, 117-129.	1.0	3
57	Analysis of spectrum sensing characteristics for cognitive radio GFDM signal. , 2012, , .		2
58	An experimental study of interference in Smart Buildings. , 2013, , .		2
59	Deriving Machine to Machine (M2M) Traffic Model from Communication Model. , 2018, , .		2
60	Resource allocation for multi-carrier cellular networks. , 2018, , .		2
61	Assistive Technology for the Visually Impaired: Optimizing Frame Rate (Freshness) to Improve the Performance of Real-Time Objects Detection Application. Lecture Notes in Computer Science, 2020, , 479-492.	1.3	2
62	Spider Web shaped Near-field UHF RFID Reader Antenna for Healthcare and IoT Applications. , 2020, , .		2
63	Collaborative spectrum sensing in OFDM-based Cognitive Radio. , 2009, , .		1
64	Dynamic spectrum allocation algorithm with interference management in displaced networks. , 2011, , .		1
65	Robust spectrum sensing for cognitive radio based on statistical tests. , 2011, , .		1
66	Distributed Power Control for Cognitive Radio Networks, Based on Incumbent Outage Information. , 2011, , .		1
67	Coverage and capacity self-optimisation in LTE-Advanced using active antenna systems. , 2016, , .		1
68	Optimization of Packet Length for Two Way Relaying with Energy Harvesting. International Journal of Computer Networks and Communications, 2019, 11, 97-114.	0.3	1
69	Optimal Packet Length for ARQ and HARQ I with Chase Combining. Arabian Journal for Science and Engineering, 2020, 45, 6467-6474.	3.0	1
70	Femtocell Collaborative Outage Detection (FCOD) with Built-in Sleeping Mode Recovery (SMR) Technique. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 477-486.	0.3	1
71	Cognitive Time Variant Power Control in Slow Fading Mobile Channels. , 2011, , .		0
72	Robust home automation scheme using cognitive ZigBee network. , 2013, , .		0

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73	Distributed Power Control and User Selection Algorithms for Cognitive Radios. , 2013, , .		0
74	Self-optimization of cell sizes in cellular networks. , 2015, , .		0
75	System level power consumption model for mobile phones as part of E3F. , 2015, , .		0
76	Spectrum Assignment Algorithm for Cognitive Machine-to-Machine Networks. Mobile Information Systems, 2016, 2016, 1-8.	0.6	0
77	Coverage and capacity Self-Optimisation in LTE-Advanced using Active Antenna Systems. , 2016, , .		0
78	Packet Length Optimization for Two Way Relaying. , 2019, , .		0
79	Optimization of Packet Length for MIMO systems. International Journal of Computer Networks and Communications, 2019, 11, 127-144.	0.3	0
80	Ultra-wideband Sensor Antenna Design for 5G/UWB Based Real Time Location Systems. , 2020, , .		0
81	Comparing the Performance of Different Classifiers for Posture Detection. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 210-218.	0.3	0
82	Platform Tolerant UHF RFID Tag Design using Multi-resonant Surface for Supply Chain Visibility. , 2021, , .		0