

Fazirulhisyam Hashim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Multi-Objective Routing Mechanism for Energy Management Optimization in SDN Multi-Control Architecture. <i>IEEE Access</i> , 2022, 10, 20312-20327.	4.2	19
2	Worst-Case Latency Analysis for AVB Traffic Under Overlapping-Based Time-Triggered Windows in Time-Sensitive Networks. <i>IEEE Access</i> , 2022, 10, 43187-43208.	4.2	4
3	Critical Offset Optimizations for Overlapping-Based Time-Triggered Windows in Time-Sensitive Network. <i>IEEE Access</i> , 2021, 9, 130484-130501.	4.2	4
4	Heuristic Resource Allocation Algorithm for Controller Placement in Multi-Control 5G Based on SDN/NFV Architecture. <i>IEEE Access</i> , 2021, 9, 2602-2617.	4.2	14
5	SELAMAT: A New Secure and Lightweight Multi-Factor Authentication Scheme for Cross-Platform Industrial IoT Systems. <i>Sensors</i> , 2021, 21, 1428.	3.8	20
6	Cross-SN: A Lightweight Authentication Scheme for a Multi-Server Platform Using IoT-Based Wireless Medical Sensor Network. <i>Electronics (Switzerland)</i> , 2021, 10, 790.	3.1	12
7	Network Calculus-Based Latency for Time-Triggered Traffic under Flexible Window-Overlapping Scheduling (FWOS) in a Time-Sensitive Network (TSN). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3896.	2.5	12
8	6G Wireless Communications Networks: A Comprehensive Survey. <i>IEEE Access</i> , 2021, 9, 148191-148243.	4.2	157
9	A New Hybrid Online and Offline Multi-Factor Cross-Domain Authentication Method for IoT Applications in the Automotive Industry. <i>Energies</i> , 2021, 14, 7437.	3.1	3
10	A Modified Genetic Algorithm for Controller Placement Problem in SDN Distributed Network. , 2021, , .		3
11	Robust Multi-Gateway Authentication Scheme for Agriculture Wireless Sensor Network in Society 5.0 Smart Communities. <i>Agriculture (Switzerland)</i> , 2021, 11, 1020.	3.1	4
12	Temporal Changes Analysis of Soil Properties Associated with <i>Ganoderma boninense</i> Pat. Infection in Oil Palm Seedlings in a Controlled Environment. <i>Agronomy</i> , 2021, 11, 2279.	3.0	2
13	A lightweight and secure online/offline cross-domain authentication scheme for VANET systems in Industrial IoT. <i>PeerJ Computer Science</i> , 2021, 7, e714.	4.5	3
14	A Review of EMF Radiation for 5G Mobile Communication Systems. , 2021, , .		5
15	A three-dimensional pattern recognition localization system based on a Bayesian graphical model. <i>International Journal of Distributed Sensor Networks</i> , 2020, 16, 155014771988489.	2.2	11
16	Pseudorandom sequence contention algorithm for IEEE 802.11ah based internet of things network. <i>PLoS ONE</i> , 2020, 15, e0237386.	2.5	4
17	Novel Resource Allocation Techniques for Downlink Non-Orthogonal Multiple Access Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5892.	2.5	17
18	Fair Energy-Efficient Resource Allocation for Downlink NOMA Heterogeneous Networks. <i>IEEE Access</i> , 2020, 8, 200129-200145.	4.2	21

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19	Normalized Advancement Based Totally Opportunistic Routing Algorithm With Void Detection and Avoiding Mechanism for Underwater Wireless Sensor Network. <i>IEEE Access</i> , 2020, 8, 67484-67500.	4.2	14
20	Hybrid Multi-Level Detection and Mitigation of Clone Attacks in Mobile Wireless Sensor Network (MWSN). <i>Sensors</i> , 2020, 20, 2283.	3.8	15
21	Robust 3D Indoor Positioning System Based on Radio Map Using Bayesian Network. , 2019, , .		16
22	Probability-based opportunity dynamic adaptation (PODA) of contention window for home M2M networks. <i>Journal of Network and Computer Applications</i> , 2019, 144, 1-12.	9.1	7
23	Collaborative Adaptive Filtering Approach for the Identification of Complex-Valued Improper Signals. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 3860-3879.	2.0	2
24	Channel Coding Scheme for 5G Mobile Communication System for Short Length Message Transmission. <i>Wireless Personal Communications</i> , 2019, 106, 377-400.	2.7	29
25	An architecture of 5G based on SDN NV wireless network. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2019, 14, 725.	0.8	8
26	An Analysis of Periodogram Based on a Discrete Cosine Transform for Spectrum Sensing. <i>Wireless Personal Communications</i> , 2018, 101, 1261-1279.	2.7	3
27	6LoWPAN Route-Over with End-to-End Fragmentation and Reassembly Using Cross-Layer Adaptive Backoff Exponent. <i>Wireless Personal Communications</i> , 2018, 98, 1029-1053.	2.7	5
28	Clustering Transmission Opportunity Length (CTOL) Model over Cognitive Radio Network. <i>Sensors</i> , 2018, 18, 4351.	3.8	1
29	Impact of Packet Size in Adaptive Cognitive Radio Sensor Network. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-9.	1.2	2
30	Low Complexity Iterative-QR (IQR) Precoder Design Based on Structure Blocks for Massive MIMO System. <i>Wireless Personal Communications</i> , 2018, 102, 19-30.	2.7	2
31	Totally opportunistic routing algorithm (TORA) for underwater wireless sensor network. <i>PLoS ONE</i> , 2018, 13, e0197087.	2.5	42
32	On the authentication and re-authentication protocols in LTE-WLAN interworking architecture. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017, 28, e3031.	3.9	3
33	QoE-Driven Cross-Layer Downlink Scheduling for Heterogeneous Traffics Over 4G Networks. <i>Wireless Personal Communications</i> , 2017, 96, 4755-4780.	2.7	7
34	Detecting sybil attacks in clustered wireless sensor networks based on energy trust system (ETS). <i>Computer Communications</i> , 2017, 110, 75-82.	5.1	51
35	Feasibility of Green Network Deployment for Heterogeneous Networks. <i>Wireless Personal Communications</i> , 2017, 94, 1443-1476.	2.7	4
36	An overview of spectrum sensing techniques for cognitive LTE and LTE-A radio systems. <i>Telecommunication Systems</i> , 2017, 65, 215-228.	2.5	14

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37	Design and simulation analysis of network-based fully distributed mobility management in flattened network architecture. <i>Telecommunication Systems</i> , 2017, 65, 253-267.	2.5	7
38	An effective approach for managing power consumption in cloud computing infrastructure. <i>Journal of Computational Science</i> , 2017, 21, 349-360.	2.9	22
39	Detection and mitigation of ARP storm attacks using software defined networks. , 2017, , .		2
40	Review of Adaptive Cell Selection Techniques in LTE-Advanced Heterogeneous Networks. <i>Journal of Computer Networks and Communications</i> , 2016, 2016, 1-12.	1.6	10
41	Analysis on Target Detection and Classification in LTE Based Passive Forward Scattering Radar. <i>Sensors</i> , 2016, 16, 1607.	3.8	38
42	A performance analysis of a new periodogram for spectrum sensing. , 2016, , .		2
43	A new cooperative spectrum sensing scheme based on discrete cosine transform. , 2016, , .		4
44	A Survey and Taxonomy on Medium Access Control Strategies for Cooperative Communication in Wireless Networks: Research Issues and Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2016, 18, 2493-2521.	39.4	38
45	Hybrid channel gain prioritized access-aware cell association with interference mitigation in LTE-Advanced HetNets. <i>International Journal of Communication Systems</i> , 2016, 29, 2650-2668.	2.5	7
46	Protection of smart substation based on WLAN complies with IEC 61850 using traveling wave analysis. <i>Electric Power Systems Research</i> , 2016, 140, 20-26.	3.6	21
47	Efficient beamforming and spectral efficiency maximization in a joint transmission system using an adaptive particle swarm optimization algorithm. <i>Applied Soft Computing Journal</i> , 2016, 49, 759-769.	7.2	4
48	LTE-Based Passive Bistatic Radar System for Detection of Ground-Moving Targets. <i>ETRI Journal</i> , 2016, 38, 302-313.	2.0	10
49	Internet utility evaluation of a multi-start particle swarm optimization beamformer in a partial joint processing cellular network. , 2016, , .		0
50	Distributed power control and beamforming for cognitive two-way relay networks using a game-theoretic approach. , 2016, , .		1
51	Medium access prioritizing in the heterogeneous low-rate wireless PANs. , 2016, , .		0
52	Pliable Cognitive MAC for Heterogeneous Adaptive Cognitive Radio Sensor Networks. <i>PLoS ONE</i> , 2016, 11, e0156880.	2.5	4
53	Energy trust system for detecting sybil attack in clustered wireless sensor networks. , 2015, , .		7
54	Reliable and energy efficient routing protocol (REEP) for underwater wireless sensor networks (UWSNs). , 2015, , .		8

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55	On spectral efficiency maximization in a partial joint processing system using a multi-start particle swarm optimization algorithm. , 2015, , .		0
56	Temporal evaluation of secondary user interference to primary user in cognitive radio networks. , 2015, , .		0
57	An Adaptive Rate Allocation System to Mitigate Starvation Dilemma in Multi-Radio Multi-Hop Wireless Mesh Networks. Wireless Personal Communications, 2015, 84, 2881-2912.	2.7	3
58	Survey of Channel Assignment Algorithms for Multi-radio Multi-channel Wireless Mesh Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 164-182.	3.2	11
59	Design and evaluation of distributed and dynamic mobility management approach based on PMIPv6 and MIH protocols. Wireless Networks, 2015, 21, 2747-2763.	3.0	13
60	Multi-hop wireless network modelling using OMNET++ simulator. , 2015, , .		2
61	The adaptive Cognitive Radio Sensor Network: A perspective towards the feasibility. , 2015, , .		4
62	A review of cloud security based on cryptographic mechanisms. , 2014, , .		4
63	Backhaul and performance optimality of joint processing schemes over the cluster area. , 2014, , .		0
64	MWSN Modeling Using OMNET++ Simulator. , 2014, , .		3
65	Node Replication Attacks in Mobile Wireless Sensor Network: A Survey. International Journal of Distributed Sensor Networks, 2014, 10, 402541.	2.2	15
66	Distributed channel assignment based on congestion information in wireless mesh network. , 2014, , .		0
67	Performance analysis of Coordinated MultiPoint (CoMP) in long term evolution-advanced. , 2014, , .		3
68	Multicast-Unicast Data Delivery Method in Wireless IPv6 Networks. Journal of Network and Systems Management, 2014, 22, 583-608.	4.9	7
69	Malware analysis performance enhancement using cloud computing. Journal of Computer Virology and Hacking Techniques, 2014, 10, 1-10.	2.2	10
70	An efficient authentication and key agreement protocol for 4G (LTE) networks. , 2014, , .		36
71	Lightweight decentralized multicastâ€“unicast key management method in wireless IPv6 networks. Journal of Network and Computer Applications, 2014, 42, 59-69.	9.1	14
72	Reliable Key Management and Data Delivery Method in Multicast Over Wireless IPv6 Networks. Wireless Personal Communications, 2013, 73, 967-991.	2.7	5

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73	A new tunnelled EAP based authentication method for WiMAX networks. , 2013, , .		8
74	A New Super Wideband Fractal Monopole-Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1014-1016.	4.0	36
75	An energy saving scheme for key management protocol in IEEE802.16e. , 2013, , .		0
76	Secure group communication scheme in wireless IPv6 networks: An experimental test-bed. , 2012, , .		1
77	Characterizing energy efficiency for heterogeneous cellular networks. , 2012, , .		15
78	Modeling of efficient key management method in multicast networks. , 2012, , .		1
79	An intrusion tolerant system for improving availability in smart grid control centers. , 2012, , .		3
80	The effect of fragmentation and header compression on IP-based sensor networks (6LoWPAN). , 2011, , .		4
81	Biologically Inspired Anomaly Detection and Security Control Frameworks for Complex Heterogeneous Networks. IEEE Transactions on Network and Service Management, 2010, 7, 268-281.	4.9	18
82	Securing the next generation mobile network. Security and Communication Networks, 2008, 1, 25-43.	1.5	7