

Ismail Bin Ahmedy

List of Publications by Year in descending order

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62
papers

1,579
citations

304368

22
h-index

315357

38
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65
all docs

65
docs citations

65
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Simultaneous Wireless Information and Power Transfer With Cooperative Relay and Future Challenges. IEEE Access, 2019, 7, 19166-19198.	2.6	116
2	Energy harvesting and battery power based routing in wireless sensor networks. Wireless Networks, 2017, 23, 249-266.	2.0	108
3	Internet of Drones Security and Privacy Issues: Taxonomy and Open Challenges. IEEE Access, 2021, 9, 57243-57270.	2.6	98
4	Review on Security of Internet of Things Authentication Mechanism. IEEE Access, 2019, 7, 151054-151089.	2.6	97
5	A Survey on Underwater Wireless Sensor Networks: Requirements, Taxonomy, Recent Advances, and Open Research Challenges. Sensors, 2020, 20, 5393.	2.1	96
6	Compression Header Analyzer Intrusion Detection System (CHA - IDS) for 6LoWPAN Communication Protocol. IEEE Access, 2018, 6, 16623-16638.	2.6	82
7	Informed RRT*-Connect: An Asymptotically Optimal Single-Query Path Planning Method. IEEE Access, 2020, 8, 19842-19852.	2.6	73
8	A Survey of Security Challenges, Attacks Taxonomy and Advanced Countermeasures in the Internet of Things. IEEE Access, 2020, 8, 219709-219743.	2.6	60
9	Heterogeneous Energy and Traffic Aware Sleep-Awake Cluster-Based Routing Protocol for Wireless Sensor Network. IEEE Access, 2020, 8, 12232-12252.	2.6	51
10	Comprehensive Survey of Machine Learning Approaches in Cognitive Radio-Based Vehicular Ad Hoc Networks. IEEE Access, 2020, 8, 78054-78108.	2.6	50
11	A Novel Method to Water Level Prediction using RBF and FFA. Water Resources Management, 2016, 30, 3265-3283.	1.9	48
12	Spectrum sensing in cognitive vehicular network: State-of-Art, challenges and open issues. Computer Communications, 2017, 97, 15-30.	3.1	38
13	A Localization-Free Interference and Energy Holes Minimization Routing for Underwater Wireless Sensor Networks. Sensors, 2018, 18, 165.	2.1	38
14	Data Collection in Smart Communities Using Sensor Cloud: Recent Advances, Taxonomy, and Future Research Directions. IEEE Communications Magazine, 2018, 56, 192-197.	4.9	36
15	Survey of secure multipath routing protocols for WSNs. Journal of Network and Computer Applications, 2015, 55, 123-153.	5.8	35
16	An Edge Assisted Secure Lightweight Authentication Technique for Safe Communication on the Internet of Drones Network. IEEE Access, 2021, 9, 31420-31440.	2.6	34
17	VANETs' LTE based heterogeneous vehicular clustering for driving assistance and route planning applications. Computer Networks, 2018, 145, 128-140.	3.2	30
18	Energy Management in RFID-Sensor Networks: Taxonomy and Challenges. IEEE Internet of Things Journal, 2019, 6, 250-266.	5.5	30

#	ARTICLE	IF	CITATIONS
19	Sperm Swarm Optimization Algorithm for Optimizing Wireless Sensor Network Challenges. , 2018, , .		29
20	Hybrid RRT: A Semi-Dual-Tree RRT-Based Motion Planner. IEEE Access, 2020, 8, 18658-18668.	2.6	28
21	The Multi-Objective Optimization Algorithm Based on Sperm Fertilization Procedure (MOSFP) Method for Solving Wireless Sensor Networks Optimization Problems in Smart Grid Applications. Energies, 2018, 11, 97.	1.6	24
22	Data Collection in Studies on Internet of Things (IoT), Wireless Sensor Networks (WSNs), and Sensor Cloud (SC): Similarities and Differences. IEEE Access, 2022, 10, 33909-33931.	2.6	24
23	A Multivariant Stream Analysis Approach to Detect and Mitigate DDoS Attacks in Vehicular Ad Hoc Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	0.8	23
24	Modeling Traffic Congestion Based on Air Quality for Greener Environment: An Empirical Study. IEEE Access, 2019, 7, 57100-57119.	2.6	23
25	Multi-Objective Harris Hawks Optimization Algorithm Based 2-Hop Routing Algorithm for CR-VANET. IEEE Access, 2021, 9, 58230-58242.	2.6	23
26	Feature-Based Retinal Image Registration Using D-Saddle Feature. Journal of Healthcare Engineering, 2017, 2017, 1-15.	1.1	21
27	Multi-Objective Optimization Algorithm Based on Sperm Fertilization Procedure (MOSFP). Symmetry, 2017, 9, 241.	1.1	18
28	An Efficient Hybrid MANET-DTN Routing Scheme for OLSR. Wireless Personal Communications, 2016, 89, 1335-1354.	1.8	17
29	Machine Learning-Based Cooperative Spectrum Sensing in Dynamic Segmentation Enabled Cognitive Radio Vehicular Network. Energies, 2021, 14, 1169.	1.6	17
30	Adapted stream region for packet marking based on DDoS attack detection in vehicular ad hoc networks. Journal of Supercomputing, 2020, 76, 5948-5970.	2.4	15
31	Spectrum sensing challenges & their solutions in cognitive radio based vehicular networks. International Journal of Communication Systems, 2021, 34, e4748.	1.6	14
32	Data Collection in Sensor-Cloud: A Systematic Literature Review. IEEE Access, 2020, 8, 184664-184687.	2.6	13
33	An Enhanced Two-factor Authentication Protocol for V2V Communication in VANETs. , 2020, , .		13
34	A Survey on Cluster Head Selection and Cluster Formation Methods in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-53.	0.8	12
35	Empirical Study of Sperm Swarm Optimization Algorithm. Advances in Intelligent Systems and Computing, 2019, , 1082-1104.	0.5	11
36	Infrastructure based spectrum sensing scheme in VANET using reinforcement learning. Vehicular Communications, 2019, 18, 100161.	2.7	10

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37	Towards a Better Approach for Link Breaks Detection and Route Repairs Strategy in AODV Protocol. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	0.8	8
38	LCSS-Based Algorithm for Computing Multivariate Data Set Similarity: A Case Study of Real-Time WSN Data. Sensors, 2019, 19, 166.	2.1	8
39	Local descriptor for retinal fundus image registration. IET Computer Vision, 2020, 14, 144-153.	1.3	8
40	IoT-based botnet attacks systematic mapping study of literature. Scientometrics, 2021, 126, 2759-2800.	1.6	8
41	Optimal Placement of Near Ground VHF/UHF Radio Communication Network as a Multi Objective Problem. Wireless Personal Communications, 2020, 110, 1169-1197.	1.8	7
42	A two-step clustering to minimize redundant transmission in wireless sensor network using sleep-awake mechanism. Wireless Networks, 2022, 28, 2077-2104.	2.0	7
43	Flood alerts system with android application. , 2017, , .		5
44	Probabilistic and Replication Based Locking Routing Protocol for Delay Tolerant Network. Wireless Personal Communications, 2017, 97, 3239-3259.	1.8	5
45	An Estimation of QoS for Classified Based Approach and Nonclassified Based Approach of Wireless Agriculture Monitoring Network Using a Network Model. Wireless Communications and Mobile Computing, 2017, 2017, 1-14.	0.8	4
46	Handover Schemes for Vehicular Ad-Hoc Networks Over Long Term Evolution Advanced: A Survey. , 2018, , .		4
47	Markov Chain Based Ant Colony Approach for Mitigating DDoS Attacks Using Integrated Vehicle Mode Analysis in VANET. , 2019, , .		4
48	Performance Evaluation and Validation of QCM (Query Control Mechanism) for QoS-Enabled Layered-Based Clustering for Reactive Flooding in the Internet of Things. Sensors, 2020, 20, 283.	2.1	4
49	A hybridization strategy using equal and unequal clustering schemes to mitigate idle listening for lifetime maximization of wireless sensor network. Wireless Networks, 2021, 27, 2641-2670.	2.0	3
50	Review of hardware implementation of Speech-To-Text Engine for Jawi Character. , 2010, , .		2
51	Revisiting Spasticity After Stroke: Clustering Clinical Characteristics for Identifying At-Risk Individuals. Journal of Multidisciplinary Healthcare, 2021, Volume 14, 2391-2396.	1.1	2
52	A hybrid flood waste classification model using 3D-wavelet transform and support vector machines techniques. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	2
53	A Multiple-Criteria Decision Analysis Clustering and Cluster Head Selection Algorithm in Vehicular Network. , 2020, , .		2
54	Route Optimization by using Dijkstra's Algorithm for the Waste Management System. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Impact of multipath fading on spectrum sensing in vehicular communication environment. , 2018, , .		1
56	Performance Evaluation of Energy Autonomous Sensors for Air Quality Monitoring in Internet of Vehicles. , 2019, , .		1
57	Energy optimization of sustainable Internet of Things (IoT) systems using an energy harvesting medium access protocol. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012094.	0.2	1
58	COOPERATIVE SPECTRUM DECISION IN COGNITIVE VEHICULAR NETWORK BASED ON SUPPORT VECTOR MACHINE. Malaysian Journal of Computer Science, 2019, 32, 83-96.	0.5	1
59	Development of Portable Air Quality Index (AQI) and Emergency Vehicles Preemption Prototype Based on Internet of Mobile Things (IoMT). , 2020, , .		1
60	Energy Management Techniques for RF-Enabled Sensor Networks Based on Internet of Things. Lecture Notes in Electrical Engineering, 2018, , 53-63.	0.3	0
61	Towards Energy-Efficient RF-Enabled Sensor Networks in Internet of Things. Advances in Intelligent Systems and Computing, 2019, , 205-215.	0.5	0
62	Comparing Neuroplasticity Changes Between High and Low Frequency Gait Training in Subacute Stroke: Protocol for a Randomized, Single-Blinded, Controlled Study. JMIR Research Protocols, 2022, 11, e27935.	0.5	0