

Ammar Hawbani

List of Publications by Year in descending order

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76
papers

1,480
citations

304743

22
h-index

345221

36
g-index

77
all docs

77
docs citations

77
times ranked

881
citing authors

#	ARTICLE	IF	CITATIONS
1	Green internet of things using UAVs in B5G networks: A review of applications and strategies. Ad Hoc Networks, 2021, 117, 102505.	5.5	114
2	Green IoT for Eco-Friendly and Sustainable Smart Cities: Future Directions and Opportunities. Mobile Networks and Applications, 2023, 28, 178-202.	3.3	83
3	A Novel Generation-Adversarial-Network-Based Vehicle Trajectory Prediction Method for Intelligent Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 2066-2077.	8.7	68
4	UAV Computing-Assisted Search and Rescue Mission Framework for Disaster and Harsh Environment Mitigation. Drones, 2022, 6, 154.	4.9	67
5	Novel Online Sequential Learning-Based Adaptive Routing for Edge Software-Defined Vehicular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 2991-3004.	9.2	66
6	Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	5.5	58
7	Energy Optimized Congestion Control-Based Temperature Aware Routing Algorithm for Software Defined Wireless Body Area Networks. IEEE Access, 2020, 8, 41085-41099.	4.2	57
8	LORA: Load-Balanced Opportunistic Routing for Asynchronous Duty-Cycled WSN. IEEE Transactions on Mobile Computing, 2019, 18, 1601-1615.	5.8	55
9	Computing in the Sky: A Survey on Intelligent Ubiquitous Computing for UAV-Assisted 6G Networks and Industry 4.0/5.0. Drones, 2022, 6, 177.	4.9	54
10	An improved YOLO-based road traffic monitoring system. Computing (Vienna/New York), 2021, 103, 211-230.	4.8	44
11	A new scheme for covert communication via 3G encoded speech. Computers and Electrical Engineering, 2012, 38, 1490-1501.	4.8	43
12	Channel State Information from Pure Communication to Sense and Track Human Motion: A Survey. Sensors, 2019, 19, 3329.	3.8	41
13	Multi-Drone Edge Intelligence and SAR Smart Wearable Devices for Emergency Communication. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	1.2	39
14	An intelligent fuzzy-based routing scheme for software-defined vehicular networks. Computer Networks, 2021, 187, 107837.	5.1	38
15	Routing Schemes in Software-Defined Vehicular Networks: Design, Open Issues and Challenges. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 217-226.	3.8	36
16	Fuzzy-Based Distributed Protocol for Vehicle-to-Vehicle Communication. IEEE Transactions on Fuzzy Systems, 2021, 29, 612-626.	9.8	36
17	Zone Probabilistic Routing for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2019, 18, 728-741.	5.8	30
18	Sink-oriented tree based data dissemination protocol for mobile sinks wireless sensor networks. Wireless Networks, 2018, 24, 2723-2734.	3.0	29

#	ARTICLE	IF	CITATIONS
19	Routing protocols classification for underwater wireless sensor networks based on localization and mobility. <i>Wireless Networks</i> , 2022, 28, 797-826.	3.0	29
20	Machine Learning for Smart Environments in 5G Networks: Connectivity and QoS. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-23.	1.7	28
21	SPIDER: A Social Computing Inspired Predictive Routing Scheme for Softwarized Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 9466-9477.	8.0	28
22	A Novel Prediction-Based Temporal Graph Routing Algorithm for Software-Defined Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 13275-13290.	8.0	28
23	Multi-UAV and SAR collaboration model for disaster management in 5G networks. <i>Internet Technology Letters</i> , 2024, 7, e310.	1.9	27
24	Physically Secure Lightweight and Privacy-Preserving Message Authentication Protocol for VANET in Smart City. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 12902-12917.	6.3	24
25	Novel Architecture and Heuristic Algorithms for Software-Defined Wireless Sensor Networks. <i>IEEE/ACM Transactions on Networking</i> , 2020, 28, 2809-2822.	3.8	22
26	A Novel Deep Q-Learning-Based Air-Assisted Vehicular Caching Scheme for Safe Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4348-4358.	8.0	20
27	FRCA: A Novel Flexible Routing Computing Approach for Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2020, 19, 2623-2639.	5.8	19
28	A Novel Heuristic Data Routing for Urban Vehicular Ad Hoc Networks. <i>IEEE Internet of Things Journal</i> , 2021, 8, 8976-8989.	8.7	19
29	A novel improved artificial bee colony and blockchain-based secure clustering routing scheme for VANET. <i>China Communications</i> , 2021, 18, 103-116.	3.2	19
30	A reliable and energy efficient dual prediction data reduction approach for WSNs based on Kalman filter. <i>IET Communications</i> , 2021, 15, 2285-2299.	2.2	19
31	DENPSO: A Distance Evolution Nonlinear PSO Algorithm for Energy-Efficient Path Planning in 3D UASNs. <i>IEEE Access</i> , 2019, 7, 105514-105530.	4.2	16
32	Grid Coverage Algorithm & Analyzing for wireless sensor networks. <i>Network Protocols and Algorithms</i> , 2014, 6, 1.	1.0	14
33	Tuft: Tree Based Heuristic Data Dissemination for Mobile Sink Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2022, 21, 1520-1536.	5.8	14
34	GLT: Grouping Based Location Tracking for Object Tracking Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-19.	1.2	13
35	CAPTCHA Recognition Using Deep Learning with Attached Binary Images. <i>Electronics (Switzerland)</i> , 2020, 9, 1522.	3.1	12
36	FLORA: Fuzzy Based Load-Balanced Opportunistic Routing for Asynchronous Duty-Cycled WSNs. <i>IEEE Transactions on Mobile Computing</i> , 2023, 22, 253-268.	5.8	12

#	ARTICLE	IF	CITATIONS
37	SDORP: SDN Based Opportunistic Routing for Asynchronous Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2023, 22, 4912-4929.	5.8	11
38	Zigzag Coverage Scheme Algorithm & Analysis for Wireless Sensor Networks. Network Protocols and Algorithms, 2013, , 19.	1.0	10
39	EDCRA-IoT: Edge-based Data Conflict Resolution Approach for Internet of Things. Pervasive and Mobile Computing, 2021, 72, 101318.	3.3	9
40	A Novel Cost-Effective Controller Placement Scheme for Software-Defined Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 14080-14093.	8.7	9
41	Sensors Grouping Hierarchy Structure for Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2015, 11, 650519.	2.2	9
42	Extracting the overlapped sub-regions in wireless sensor networks. Wireless Networks, 2019, 25, 4705-4726.	3.0	8
43	CFDDR: A Centralized Faulty Data Detection and Recovery Approach for WSN With Faults Identification. IEEE Systems Journal, 2022, 16, 3001-3012.	4.6	8
44	TORP: Load Balanced Reliable Opportunistic Routing for Asynchronous Wireless Sensor Networks. , 2020, , .		7
45	POWER: probabilistic weight-based energy-efficient cluster routing for large-scale wireless sensor networks. Journal of Supercomputing, 2022, 78, 12765-12791.	3.6	7
46	Heuristic data dissemination for mobile sink networks. Wireless Networks, 2020, 26, 479-493.	3.0	6
47	A novel nomad migration-inspired algorithm for global optimization. Computers and Electrical Engineering, 2022, 100, 107862.	4.8	6
48	Reinforcement learning based on routing with infrastructure nodes for data dissemination in vehicular networks (RRIN). Wireless Networks, 2022, 28, 2169-2184.	3.0	6
49	A state-of-the-art survey on wireless rechargeable sensor networks: perspectives and challenges. Wireless Networks, 2022, 28, 3019-3043.	3.0	6
50	Phantom: Towards Vendor-Agnostic Resource Consolidation in Cloud Environments. Electronics (Switzerland), 2019, 8, 1183.	3.1	5
51	Stratified opposition-based initialization for variable-length chromosome shortest path problem evolutionary algorithms. Expert Systems With Applications, 2021, 170, 114525.	7.6	5
52	A Novel Segmentation Method for Optic Disc and Optic Cup Based on Deformable U-net. , 2019, , .		4
53	Real-Time Traffic Congestion Analysis Based on Collected Tweets. , 2019, , .		4
54	Rethinking Separable Convolutional Encoders for End-to-End Semantic Image Segmentation. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	4

#	ARTICLE	IF	CITATIONS
55	VNE-Greedy: Virtual Network Embedding Algorithm Based on OpenStack Cloud Computing Platform. , 2016, , .		3
56	Aspect Level Sentiment Classification with Memory Network Using Word Sentiment Vectors and a New Attention Mechanism AM-PPOSC. , 2018, , .		3
57	LUIM: New Low-Utility Itemset Mining Framework. IEEE Access, 2019, 7, 100535-100551.	4.2	3
58	Verification in Mobile Communication During The Change of IP Address. , 2019, , .		3
59	Building Sentiment Lexicon with Representation Learning Based on Contrast and Label of Sentiment. , 2018, , .		2
60	EE-TAR: Energy Efficient and Thermal Aware Routing Protocol for Software Defined Wireless Body Area Networks. , 2020, , .		2
61	Convolution Encoders for End-to-End Action Tracking With Space-Time Cubic Kernels. IEEE Access, 2020, 8, 139023-139032.	4.2	2
62	Focused Deep Web Entrance Crawling by Form Feature Classification. Lecture Notes in Computer Science, 2015, , 79-87.	1.3	2
63	Sensors Grouping Model for Wireless Sensor Network. Journal of Sensor Technology, 2013, 03, 133-140.	1.0	2
64	A Novel Influence Maximization-based Dynamic Forwarding Node Selection Scheme in SDVNs. , 2020, , .		2
65	PORA: Piggybacking-based Opportunistic Routing for Asynchronous Duty-Cycled WSNs. , 2020, , .		2
66	D2F: discriminative dense fusion of appearance and motion modalities for end-to-end video classification. Multimedia Tools and Applications, 2022, 81, 12157-12176.	3.9	2
67	An Efficient Budget Allocation Algorithm for Multi-Channel Advertising. , 2018, , .		1
68	GANAVDC: Application-Aware with Bandwidth Guarantee in Cloud Datacenters. Electronics (Switzerland), 2019, 8, 258.	3.1	1
69	Lightweight Virtual Machine Mapping for Data Centers. , 2019, , .		1
70	Diversity metrics for direct-coded variable-length chromosome shortest path problem evolutionary algorithms. Computing (Vienna/New York), 2021, 103, 313-332.	4.8	1
71	Data Routing Protocol for Multi-Mobile Sinks WSN. , 2020, , .		1
72	Experimental Evaluation of Cloud-Based Facial Emotion Recognition Services. Computing and Informatics, 2021, 40, 1295-1321.	0.7	1

#	ARTICLE	IF	CITATIONS
73	Heuristic Routing for Software Defined Wireless Sensor Network. , 2018, , .		0
74	SSUP-Growth: A Novel Mining High Utility Algorithm Itemset with Single-Scan of Database. Journal of Physics: Conference Series, 2019, 1284, 012032.	0.4	0
75	Intelligence-driven mobile networks for smart cities. Computing (Vienna/New York), 2021, 103, 179-181.	4.8	0
76	End to End Alignment Learning of Instructional Videos with Spatiotemporal Hybrid Encoding and Decoding Space Reduction. Applied Sciences (Switzerland), 2021, 11, 4954.	2.5	0