

Saeed Alsamhi

List of Publications by Year in descending order

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56
papers

2,148
citations

201385

27
h-index

253896

43
g-index

57
all docs

57
docs citations

57
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on Collaborative Smart Drones and Internet of Things for Improving Smartness of Smart Cities. IEEE Access, 2019, 7, 128125-128152.	2.6	249
2	Collaboration of Drone and Internet of Public Safety Things in Smart Cities: An Overview of QoS and Network Performance Optimization. Drones, 2019, 3, 13.	2.7	98
3	A Low-Cost Platform for Environmental Smart Farming Monitoring System Based on IoT and UAVs. Sustainability, 2021, 13, 5908.	1.6	92
4	Greening internet of things for greener and smarter cities: a survey and future prospects. Telecommunication Systems, 2019, 72, 609-632.	1.6	88
5	Multi-user activity recognition: Challenges and opportunities. Information Fusion, 2020, 63, 121-135.	11.7	86
6	Green IoT for Eco-Friendly and Sustainable Smart Cities: Future Directions and Opportunities. Mobile Networks and Applications, 2023, 28, 178-202.	2.2	83
7	Blockchain-Empowered Multi-Robot Collaboration to Fight COVID-19 and Future Pandemics. IEEE Access, 2021, 9, 44173-44197.	2.6	75
8	Blockchain for decentralized <scp>multi-drone</scp> to combat <scp>COVID</scp> and future pandemics: Framework and proposed solutions. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4255.	2.6	73
9	UAV Computing-Assisted Search and Rescue Mission Framework for Disaster and Harsh Environment Mitigation. Drones, 2022, 6, 154.	2.7	67
10	Blockchain-Empowered Digital Twins Collaboration: Smart Transportation Use Case. Machines, 2021, 9, 193.	1.2	65
11	Survey on artificial intelligence based techniques for emerging robotic communication. Telecommunication Systems, 2019, 72, 483-503.	1.6	62
12	OPCNN-FAKE: Optimized Convolutional Neural Network for Fake News Detection. IEEE Access, 2021, 9, 129471-129489.	2.6	62
13	Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	3.5	58
14	A survey on recent optimal techniques for securing <scp>unmanned aerial vehicles</scp> applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4133.	2.6	55
15	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.	2.7	54
16	Predictive Estimation of Optimal Signal Strength From Drones Over IoT Frameworks in Smart Cities. IEEE Transactions on Mobile Computing, 2023, 22, 402-416.	3.9	51
17	An improved YOLO-based road traffic monitoring system. Computing (Vienna/New York), 2021, 103, 211-230.	3.2	44
18	Convergence of Machine Learning and Robotics Communication in Collaborative Assembly: Mobility, Connectivity and Future Perspectives. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 541-566.	2.0	42

#	ARTICLE	IF	CITATIONS
19	Multi-Drone Edge Intelligence and SAR Smart Wearable Devices for Emergency Communication. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	39
20	Blockchain-Based Digital Twins Collaboration for Smart Pandemic Alerting: Decentralized COVID-19 Pandemic Alerting Use Case. Computational Intelligence and Neuroscience, 2022, 2022, 1-14.	1.1	37
21	An Intelligent Hand-off Algorithm to Enhance Quality of Service in High Altitude Platforms Using Neural Network. Wireless Personal Communications, 2015, 82, 2059-2073.	1.8	35
22	Industry 4.0 towards Forestry 4.0: Fire Detection Use Case. Sensors, 2021, 21, 694.	2.1	35
23	An Efficient Channel Reservation Technique for Improved QoS for Mobile Communication Deployment Using High Altitude Platform. Wireless Personal Communications, 2016, 91, 1095-1108.	1.8	30
24	Disaster Coverage Predication for the Emerging Tethered Balloon Technology: Capability for Preparedness, Detection, Mitigation, and Response. Disaster Medicine and Public Health Preparedness, 2018, 12, 222-231.	0.7	30
25	Tethered Balloon Technology in Design Solutions for Rescue and Relief Team Emergency Communication Services. Disaster Medicine and Public Health Preparedness, 2019, 13, 203-210.	0.7	29
26	Routing protocols classification for underwater wireless sensor networks based on localization and mobility. Wireless Networks, 2022, 28, 797-826.	2.0	29
27	Performance optimization of tethered balloon technology for public safety and emergency communications. Telecommunication Systems, 2020, 75, 235-244.	1.6	28
28	Machine Learning for Smart Environments in B5G Networks: Connectivity and QoS. Computational Intelligence and Neuroscience, 2021, 2021, 1-23.	1.1	28
29	Implementation of call admission control technique in HAP for enhanced QoS in wireless network deployment. Telecommunication Systems, 2016, 63, 141-151.	1.6	27
30	Multi-UAV and SAR collaboration model for disaster management in B5G networks. Internet Technology Letters, 2024, 7, e310.	1.4	27
31	Energy-Efficient Tethered UAV Deployment in B5G for Smart Environments and Disaster Recovery. , 2021, , .		26
32	HAP antenna radiation pattern for providing coverage and service characteristics. , 2014, , .		25
33	COVID-19 Risk Prediction for Diabetic Patients Using Fuzzy Inference System and Machine Learning Approaches. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	24
34	Smart Packet Transmission Scheduling in Cognitive IoT Systems: DDQN Based Approach. IEEE Access, 2022, 10, 50023-50036.	2.6	24
35	Tethered balloon technology for telecommunication, coverage and path loss. , 2014, , .		23
36	Digital Twins Collaboration for Automatic Erratic Operational Data Detection in Industry 4.0. Applied Sciences (Switzerland), 2021, 11, 3186.	1.3	23

#	ARTICLE	IF	CITATIONS
37	Survey on Unmanned Aerial Vehicle for Mars Exploration: Deployment Use Case. Drones, 2022, 6, 4.	2.7	22
38	A reliable and energy efficient dual prediction data reduction approach for WSNs based on Kalman filter. IET Communications, 2021, 15, 2285-2299.	1.5	19
39	Distributed Clustering for User Devices Under UAV Coverage Area during Disaster Recovery. , 2021, , .		18
40	Refiner GAN Algorithmically Enabled Deep-RL for Guaranteed Traffic Packets in Real-Time URLLC B5G Communication Systems. IEEE Access, 2022, 10, 50662-50676.	2.6	18
41	Security of Distributed Intelligence in Edge Computing: Threats and Countermeasures. Palgrave Studies in Digital Business & Enabling Technologies, 2020, , 95-122.	1.3	17
42	Machine Learning-Assisted Adaptive Modulation for Optimized Drone-User Communication in B5G. Drones, 2021, 5, 128.	2.7	16
43	Zero-Padding and Spatial Augmentation-Based Gas Sensor Node Optimization Approach in Resource-Constrained 6G-IoT Paradigm. Sensors, 2022, 22, 3039.	2.1	16
44	Low Computational Complexity for Optimizing Energy Efficiency in mm-wave Hybrid Precoding System for 5G. IEEE Access, 2022, 10, 4714-4727.	2.6	14
45	Tethered Balloon Technology for Green Communication in Smart Cities and Healthy Environment. , 2019, , .		11
46	Performance and analysis of propagation models for efficient handoff in high altitude platform system to sustain QoS. , 2014, , .		10
47	Towards Secure Traffic Signaling in Smart Grids. , 2021, , .		9
48	Performance evaluation of broadband service delivery via tethered balloon technology. , 2016, , .		8
49	Neural Network in Intelligent Handoff for QoS in HAP and Terrestrial Systems. International Journal of Materials Science and Engineering, 0, , .	0.1	8
50	POWER: probabilistic weight-based energy-efficient cluster routing for large-scale wireless sensor networks. Journal of Supercomputing, 2022, 78, 12765-12791.	2.4	7
51	Review for Capacity and Coverage Improvement in Aerially Controlled Heterogeneous Network. Lecture Notes in Electrical Engineering, 2020, , 365-376.	0.3	6
52	An Intelligent HAP for Broadband Wireless Communications: Developments, QoS and Applications. International Journal of Electronics and Electrical Engineering, 2014, 3, .	0.2	6
53	An Efficient Intrusion Detection Framework Based on Embedding Feature Selection and Ensemble Learning Technique. International Arab Journal of Information Technology, 2022, 19, .	0.5	5
54	Comparative performance analysis of AODV for CBR & VBR traffic under influence of ART & DPC. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
55	Infrastructure Sharing and Quality of Service for Telecommunication Companies in Yemen. , 2021, , .		2
56	Towards Secure Traffic Signaling in Smart Grids. , 2021, , .		1