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	Multiâ€<scp>UAV</scp> and <scp>SAR</scp> collaboration model for disaster management in <scp>B5G</scp> networks. Internet Technology Letters, 2024, 7, e310.	1.4	27
2	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
3	Green IoT for Eco-Friendly and Sustainable Smart Cities: Future Directions and Opportunities. Mobile Networks and Applications, 2023, 28, 178-202.	2.2	83
4	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
5	Low Computational Complexity for Optimizing Energy Efficiency in mm-wave Hybrid Precoding System for 5G. IEEE Access, 2022, 10, 4714-4727.	2.6	14
6	Routing protocols classification for underwater wireless sensor networks based on localization and mobility. Wireless Networks, 2022, 28, 797-826.	2.0	29
7	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
8	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
9	POWER: probabilistic weight-based energy-efficient cluster routing for large-scale wireless sensor networks. Journal of Supercomputing, 2022, 78, 12765-12791.	2.4	7
10	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
11	Survey on Unmanned Aerial Vehicle for Mars Exploration: Deployment Use Case. Drones, 2022, 6, 4.	2.7	22
12	Zero-Padding and Spatial Augmentation-Based Gas Sensor Node Optimization Approach in Resource-Constrained 6G-IoT Paradigm. Sensors, 2022, 22, 3039.	2.1	16
13	Smart Packet Transmission Scheduling in Cognitive IoT Systems: DDQN Based Approach. IEEE Access, 2022, 10, 50023-50036.	2.6	24
14	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
15	UAV Computing-Assisted Search and Rescue Mission Framework for Disaster and Harsh Environment Mitigation. Drones, 2022, 6, 154.	2.7	67
16	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
17	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
18	Blockchain-Empowered Multi-Robot Collaboration to Fight COVID-19 and Future Pandemics. IEEE Access, 2021, 9, 44173-44197.	2.6	75

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19	An improved YOLO-based road traffic monitoring system. Computing (Vienna/New York), 2021, 103, 211-230.	3.2	44
20	Industry 4.0 towards Forestry 4.0: Fire Detection Use Case. Sensors, 2021, 21, 694.	2.1	35
21	OPCNN-FAKE: Optimized Convolutional Neural Network for Fake News Detection. IEEE Access, 2021, 9, 129471-129489.	2.6	62
22	Distributed Clustering for User Devices Under UAV Coverage Area during Disaster Recovery. , 2021, , .		18
23	Blockchain for decentralized <scp>multiâ€drone</scp> to combat <scp>COVID</scp>â€19 and future pandemics: Framework and proposed solutions. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4255.	2.6	73
24	Digital Twins Collaboration for Automatic Erratic Operational Data Detection in Industry 4.0. Applied Sciences (Switzerland), 2021, 11, 3186.	1.3	23
25	A Low-Cost Platform for Environmental Smart Farming Monitoring System Based on IoT and UAVs. Sustainability, 2021, 13, 5908.	1.6	92
26	Infrastructure Sharing and Quality of Service for Telecommunication Companies in Yemen. , 2021, , .		2
27	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
28	Energy-Efficient Tethered UAV Deployment in B5G for Smart Environments and Disaster Recovery. , 2021, , .		26
29	Machine Learning for Smart Environments in B5G Networks: Connectivity and QoS. Computational Intelligence and Neuroscience, 2021, 2021, 1-23.	1.1	28
30	Blockchain-Empowered Digital Twins Collaboration: Smart Transportation Use Case. Machines, 2021, 9, 193.	1.2	65
31	Machine Learning-Assisted Adaptive Modulation for Optimized Drone-User Communication in B5G. Drones, 2021, 5, 128.	2.7	16
32	Towards Secure Traffic Signaling in Smart Grids. , 2021, , .		1
33	Towards Secure Traffic Signaling in Smart Grids. , 2021, , .		9
34	Multi-Drone Edge Intelligence and SAR Smart Wearable Devices for Emergency Communication. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	39
35	Performance optimization of tethered balloon technology for public safety and emergency communications. Telecommunication Systems, 2020, 75, 235-244.	1.6	28
36	Review for Capacity and Coverage Improvement in Aerially Controlled Heterogeneous Network. Lecture Notes in Electrical Engineering, 2020, , 365-376.	0.3	6

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37	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
38	Multi-user activity recognition: Challenges and opportunities. Information Fusion, 2020, 63, 121-135.	11.7	86
39	Security of Distributed Intelligence in Edge Computing: Threats and Countermeasures. Palgrave Studies in Digital Business & Enabling Technologies, 2020, , 95-122.	1.3	17
40	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
41	Greening internet of things for greener and smarter cities: a survey and future prospects. Telecommunication Systems, 2019, 72, 609-632.	1.6	88
42	Survey on Collaborative Smart Drones and Internet of Things for Improving Smartness of Smart Cities. IEEE Access, 2019, 7, 128125-128152.	2.6	249
43	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
44	Survey on artificial intelligence based techniques for emerging robotic communication. Telecommunication Systems, 2019, 72, 483-503.	1.6	62
45	Tethered Balloon Technology for Green Communication in Smart Cities and Healthy Environment. , 2019, , .		11
46	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
47	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
48	Performance evaluation of broadband service delivery via tethered balloon technology. , 2016, , .		8
49	Comparative performance analysis of AODV for CBR & VBR traffic under influence of ART & DPC. , 2016, , .		2
50	Implementation of call admission control technique in HAP for enhanced QoS in wireless network deployment. Telecommunication Systems, 2016, 63, 141-151.	1.6	27
51	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
52	HAP antenna radiation pattern for providing coverage and service characteristics. , 2014, , .		25
53	Tethered balloon technology for telecommunication, coverage and path loss. , 2014, , .		23
54	Performance and analysis of propagation models for efficient handoff in high altitude platform system to sustain QoS. , 2014, , .		10

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55	An Intelligent HAP for Broadband Wireless Communications: Developments, QoS and Applications. International Journal of Electronics and Electrical Engineering, 2014, 3, .	0.2	6
56	Neural Network in Intelligent Handoff for QoS in HAP and Terrestrial Systems. International Journal of Materials Science and Engineering, 0, , .	0.1	8