Yousaf Bin Zikria

List of Publications by Year
in descending order

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93 papers	3,109 citations	186209 28 h-index	175177 52 g-index
97 all docs	97 docs citations	97 times ranked	2506 citing authors

#	Article	IF	Citations
1	Social media intention mining for sustainable information systems: categories, taxonomy, datasets and challenges. Complex & Intelligent Systems, 2023, 9, 2773-2799.	4.0	18
2	LAS-SG: An Elliptic Curve-Based Lightweight Authentication Scheme for Smart Grid Environments. IEEE Transactions on Industrial Informatics, 2023, 19, 1504-1511.	7.2	21
3	Congestion avoidance and fault detection in WSNs using data science techniques. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3756.	2.6	16
4	Extended Kalman Filter-Based Power Line Interference Canceller for Electrocardiogram Signal. Big Data, 2022, 10, 34-53.	2.1	4
5	Blockchain-based green big data visualization: BGbV. Complex & Intelligent Systems, 2022, 8, 3707-3718.	4.0	6
6	A Secure and Lightweight Drones-Access Protocol for Smart City Surveillance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19634-19643.	4.7	16
7	An Improved Authentication Scheme for Digital Rights Management System. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	4
8	An efficient and cost effective application mapping for network-on-chip using Andean condor algorithm. Journal of Network and Computer Applications, 2022, 200, 103319.	5.8	7
9	REAS-TMIS: Resource-Efficient Authentication Scheme for Telecare Medical Information System. IEEE Access, 2022, 10, 23008-23021.	2.6	23
10	A Survey on Cyber Security Threats in IoT-Enabled Maritime Industry. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-14.	4.7	23
11	System-Level Performance Analysis of Cooperative Multiple Unmanned Aerial Vehicles for Wildfire Surveillance Using Agent-Based Modeling. Sustainability, 2022, 14, 5927.	1.6	3
12	Artificial neural network-based cardiovascular disease prediction using spectral features. Computers and Electrical Engineering, 2022, 101, 108094.	3.0	16
13	Future smart cities: requirements, emerging technologies, applications, challenges, and future aspects. Cities, 2022, 129, 103794.	2.7	175
14	An energy efficient and low overhead fault mitigation technique for internet of thing edge devices reliable onâ€chip communication. Software - Practice and Experience, 2021, 51, 2393-2410.	2.5	9
15	A secure and lightweight authentication scheme for next generation IoT infrastructure. Computer Communications, 2021, 165, 85-96.	3.1	28
16	A clogging resistant secure authentication scheme for fog computing services. Computer Networks, 2021, 185, 107731.	3.2	42
17	Elastic caching solutions for content dissemination services of ip-based internet technologies prospective. Multimedia Tools and Applications, 2021, 80, 16997-17022.	2.6	4
18	MagWi: Benchmark Dataset for Long Term Magnetic Field and Wi-Fi Data Involving Heterogeneous Smartphones, Multiple Orientations, Spatial Diversity and Multi-Floor Buildings. IEEE Access, 2021, 9, 77976-77996.	2.6	4

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19	URLLC for 5G and Beyond: Requirements, Enabling Incumbent Technologies and Network Intelligence. IEEE Access, 2021, 9, 67064-67095.	2.6	57
20	Prediction Models for COVID-19 Integrating Age Groups, Gender, and Underlying Conditions. Computers, Materials and Continua, 2021, 67, 3009-3044.	1.5	13
21	Internet of Things (IoT)-Based Wireless Health: Enabling Technologies and Applications. Electronics (Switzerland), 2021, 10, 148.	1.8	11
22	Localizing pedestrians in indoor environments using magnetic field data with term frequency paradigm and deep neural networks. International Journal of Machine Learning and Cybernetics, 2021, 12, 3203-3219.	2.3	10
23	Next-Generation Internet of Things (IoT): Opportunities, Challenges, and Solutions. Sensors, 2021, 21, 1174.	2.1	69
24	GCACS-IoD: A certificate based generic access control scheme for Internet of drones. Computer Networks, 2021, 191, 107999.	3.2	40
25	Rotating behind Privacy: An Improved Lightweight Authentication Scheme for Cloud-based IoT Environment. ACM Transactions on Internet Technology, 2021, 21, 1-19.	3.0	35
26	Reinforcement-Learning-Enabled Massive Internet of Things for 6G Wireless Communications. IEEE Communications Standards Magazine, 2021, 5, 126-131.	3.6	13
27	An Optimized Nature-Inspired Metaheuristic Algorithm for Application Mapping in 2D-NoC. Sensors, 2021, 21, 5102.	2.1	9
28	A Federated Reinforcement Learning Framework for Incumbent Technologies in Beyond 5G Networks. IEEE Network, 2021, 35, 152-159.	4.9	26
29	A three-dimensional clustered peer-to-peer overlay protocol for mobile ad hoc networks. Computers and Electrical Engineering, 2021, 94, 107364.	3.0	3
30	Blockchain-based Initiatives: Current state and challenges. Computer Networks, 2021, 198, 108395.	3.2	49
31	Q-learning based energy-efficient and void avoidance routing protocol for underwater acoustic sensor networks. Computer Networks, 2021, 197, 108309.	3.2	26
32	An anonymous device to device access control based on secure certificate for internet of medical things systems. Sustainable Cities and Society, 2021, 75, 103322.	5.1	27
33	A secure demand response management authentication scheme for smart grid. Sustainable Energy Technologies and Assessments, 2021, 48, 101571.	1.7	6
34	Deep Learning (DL) Based Joint Resource Allocation and RRH Association in 5G-Multi-Tier Networks. IEEE Access, 2021, 9, 118357-118366.	2.6	14
35	Ensembling Neural Networks for Userâ€™s Indoor Localization Using Magnetic Field Data from Smartphones. Computers, Materials and Continua, 2021, 68, 2597-2620.	1.5	2
36	Application Mapping Using Cuckoo Search Optimization With LÃ©vy Flight for NoC-Based System. IEEE Access, 2021, 9, 141778-141789.	2.6	16

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37	Efficient Neighbour Feedback Based Trusted Multi Authenticated Node Routing Model for Secure Data Transmission. Sustainability, 2021, 13, 13296.	1.6	3
38	A Lightweight Authentication Scheme for 6G-IoT Enabled Maritime Transport System. IEEE Transactions on Intelligent Transportation Systems, 2021, , 1-10.	4.7	26
39	Aircraft Classification Based on PCA and Feature Fusion Techniques in Convolutional Neural Network. IEEE Access, 2021, 9, 161683-161694.	2.6	5
40	Artificial Intelligence and Tactile Healthcare for Mitigating the Impact of COVID-19. , 2021, 6, 1-7.		0
41	Deep Reinforcement Learning Paradigm for Dense Wireless Networks in Smart Cities. EAI/Springer Innovations in Communication and Computing, 2020, , 43-70.	0.9	6
42	Performance optimization of QoS-supported dense WLANs using machine-learning-enabled enhanced distributed channel access (MEDCA) mechanism. Neural Computing and Applications, 2020, 32, 13107-13115.	3.2	12
43	Multimedia Internet of Things: A Comprehensive Survey. IEEE Access, 2020, 8, 8202-8250.	2.6	194
44	Cognitive Radio Networks for Internet of Things and Wireless Sensor Networks. Sensors, 2020, 20, 5288.	2.1	31
45	Fault-Tolerant Network-On-Chip Router Architecture Design for Heterogeneous Computing Systems in the Context of Internet of Things. Sensors, 2020, 20, 5355.	2.1	7
46	An Intelligent, Secure, and Smart Home Automation System. Scientific Programming, 2020, 2020, 1-14.	0.5	45
47	TrustWalker: An Efficient Trust Assessment in Vehicular Internet of Things (VIoT) with Security Consideration. Sensors, 2020, 20, 3945.	2.1	10
48	Impact of Feature Selection Algorithm on Speech Emotion Recognition Using Deep Convolutional Neural Network. Sensors, 2020, 20, 6008.	2.1	64
49	Optimization of Resource Allocation Model With Energy-Efficient Cooperative Sensing in Green Cognitive Radio Networks. IEEE Access, 2020, 8, 141594-141610.	2.6	25
50	Enabling the content dissemination through caching in the state-of-the-art sustainable information and communication technologies. Sustainable Cities and Society, 2020, 61, 102291.	5.1	28
51	Intelligent learning automata-based objective function in RPL for IoT. Sustainable Cities and Society, 2020, 59, 102234.	5.1	33
52	Improving Mispronunciation Detection of Arabic Words for Non-Native Learners Using Deep Convolutional Neural Network Features. Electronics (Switzerland), 2020, 9, 963.	1.8	25
53	Role of IoT Technology in Agriculture: A Systematic Literature Review. Electronics (Switzerland), 2020, 9, 319.	1.8	211
54	NoCGuard: A Reliable Network-on-Chip Router Architecture. Electronics (Switzerland), 2020, 9, 342.	1.8	11

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55	The Future of Healthcare Internet of Things: A Survey of Emerging Technologies. IEEE Communications Surveys and Tutorials, 2020, 22, 1121-1167.	24.8	475
56	Routing protocol for Low-Power and Lossy Networks for heterogeneous traffic network. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	59
57	Incorporating Noise Robustness in Speech Command Recognition by Noise Augmentation of Training Data. Sensors, 2020, 20, 2326.	2.1	31
58	Internet of Multimedia Things (IoMT): Opportunities, Challenges and Solutions. Sensors, 2020, 20, 2334.	2.1	47
59	A Blockchain Model for Trustworthiness in the Internet of Things (IoT)-Based Smart-Cities. EAI/Springer Innovations in Communication and Computing, 2020, , 1-19.	0.9	6
60	A Comprehensive Analysis of Magnetic Field Based Indoor Positioning With Smartphones: Opportunities, Challenges and Practical Limitations. IEEE Access, 2020, 8, 228548-228571.	2.6	15
61	Contiki-OS IoT data analytics. , 2020, , 83-103.		1
62	Dataâ€driven intelligence in wireless networks: Issues, challenges, and solution. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3722.	2.6	3
63	An Intelligent Deterministic D2D Communication in Narrow-band Internet of Things. , 2019, , .		14
64	SAHCI: Scheduling Approach for Heterogeneous Content-Centric IoT Applications. IEEE Access, 2019, 7, 80342-80349.	2.6	12
65	Q-learning-enabled channel access in next-generation dense wireless networks for IoT-based eHealth systems. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	23
66	DCS: Distributed Caching Strategy at the Edge of Vehicular Sensor Networks in Information-Centric Networking. Sensors, 2019, 19, 4407.	2.1	18
67	Internet of Things (IoT) Operating Systems Management: Opportunities, Challenges, and Solution. Sensors, 2019, 19, 1793.	2.1	82
68	Deep Reinforcement Learning Paradigm for Performance Optimization of Channel Observationâ€“Based MAC Protocols in Dense WLANs. IEEE Access, 2019, 7, 3500-3511.	2.6	62
69	A Survey on Resource Management in IoT Operating Systems. IEEE Access, 2018, 6, 8459-8482.	2.6	152
70	A survey on routing protocols supported by the Contiki Internet of things operating system. Future Generation Computer Systems, 2018, 82, 200-219.	4.9	92
71	LTE in the Unlicensed Spectrum: A Survey. IETE Technical Review (Institution of Electronics and) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	24
72	Opportunistic channel selection MAC protocol for cognitive radio ad hoc sensor networks in the internet of things. Sustainable Computing: Informatics and Systems, 2018, 18, 112-120.	1.6	20

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73	Energy-Aware Adaptive Trickle Timer Algorithm for RPL-based Routing in the Internet of Things. , 2018, , .		16
74	5G Mobile Services and Scenarios: Challenges and Solutions. Sustainability, 2018, 10, 3626.	1.6	65
75	Unlocking 5G Spectrum Potential for Intelligent IoT: Opportunities, Challenges, and Solutions. IEEE Communications Magazine, 2018, 56, 92-93.	4.9	53
76	Congestion control routing using optimal channel assignment mechanism in wireless mesh network. , 2017, , .		2
77	A review of wireless access vehicular environment multichannel operational medium access control protocols: Quality-of-service analysis and other related issues. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771017.	1.3	13
78	LTE or LAA: Choosing Network Mode for My Mobile Phone in 5G Network. , 2017, , .		5
79	I-DTMC: An Integrated-Discrete Time Markov Chain Model for Performance Analysis in Future WLANs. , 2017, , .		2
80	Improvement of spectrum utilization with retransmission in cognitive radio networks: Analytical approach. , 2017, , .		2
81	Trust Mechanisms to Secure Routing in Wireless Sensor Networks: Current State of the Research and Open Research Issues. Journal of Sensors, 2017, 2017, 1-16.	0.6	44
82	IoT THEORETICAL TO PRACTICAL: CONTIKI-OS AND ZOLERTIA REMOTE. Far East Journal of Electronics and Communications, 2017, 17, 915-921.	0.2	2
83	COLLISION MITIGATION SCHEME FOR NDN-RIOT-OS BASED INTERNET OF THINGS. Far East Journal of Electronics and Communications, 2017, 17, 863-876.	0.2	0
84	RIOT-OS: FIRMWARE FOR FUTURISTIC INTERNET OF THINGS. Far East Journal of Electronics and Communications, 2017, 17, 877-887.	0.2	0
85	A new opportunistic routing forwarders selection scheme to enhance throughput for wireless networks. , 2015, , .		0
86	Opportunistic Hybrid Transport Protocol (OHTP) for Cognitive Radio Ad Hoc Sensor Networks. Sensors, 2015, 15, 31672-31686.	2.1	12
87	Heuristic Approach to Select Opportunistic Routing Forwarders (HASORF) to Enhance Throughput for Wireless Sensor Networks. Journal of Sensors, 2015, 2015, 1-10.	0.6	6
88	Quality of service analysis for multimedia traffic using DSR, AODV and TORA over Wi-Media ultra wide band. , 2015, , .		3
89	An Analytical Approach to Opportunistic Transmission under Rayleigh Fading Channels. International Journal of Distributed Sensor Networks, 2015, 11, 725198.	1.3	2
90	Evading Virus Detection Using Code Obfuscation. Lecture Notes in Computer Science, 2010, , 394-401.	1.0	13

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91	Video Transport over Heterogeneous Networks Using SCTP and DCCP. Communications in Computer and Information Science, 2008, , 180-190.	0.4	5
92	Performance Evaluation of DCCP and SCTP for MPEG4 Video over Wireless Networks. , 2007, , .		9
93	SCTP vs. TCP Delay and Packet Loss. , 2007, , .		7