

Ikram Ud Din

List of Publications by Year in descending order

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85
papers

3,730
citations

109137

35
h-index

138251

58
g-index

86
all docs

86
docs citations

86
times ranked

3132
citing authors

#	ARTICLE	IF	CITATIONS
1	LightTrust: Lightweight Trust Management for Edge Devices in Industrial Internet of Things. IEEE Internet of Things Journal, 2023, 10, 2776-2783.	5.5	30
2	Multi-tier authentication schemes for fog computing: Architecture, security perspective, and challenges. International Journal of Communication Systems, 2022, 35, e4033.	1.6	34
3	IoT Devices Authentication Using Artificial Neural Network. Computers, Materials and Continua, 2022, 70, 3701-3716.	1.5	2
4	A Taxonomy of Multimedia-based Graphical User Authentication for Green Internet of Things. ACM Transactions on Internet Technology, 2022, 22, 1-28.	3.0	2
5	Fog-Computing-Based Cyber-Physical System for Secure Food Traceability through the Twofish Algorithm. Electronics (Switzerland), 2022, 11, 283.	1.8	3
6	GRA-PIN: A Graphical and PIN-Based Hybrid Authentication Approach for Smart Devices. Sensors, 2022, 22, 1349.	2.1	3
7	Effective Task Scheduling in Critical Fog Applications. Scientific Programming, 2022, 2022, 1-15.	0.5	5
8	A Novel Privacy Preserving Scheme for Smart Grid-Based Home Area Networks. Sensors, 2022, 22, 2269.	2.1	11
9	Secure Delegation Using Enhanced Capability Model. Security and Communication Networks, 2022, 2022, 1-9.	1.0	1
10	ShareTrust: Centralized trust management mechanism for trustworthy resource sharing in industrial Internet of Things. Computers and Electrical Engineering, 2022, 100, 108013.	3.0	10
11	Identification of Secondary Breast Cancer in Vital Organs through the Integration of Machine Learning and Microarrays. Electronics (Switzerland), 2022, 11, 1879.	1.8	0
12	NeuroTrust: Artificial-Neural-Network-Based Intelligent Trust Management Mechanism for Large-Scale Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15672-15682.	5.5	36
13	FTM-IoMT: Fuzzy-Based Trust Management for Preventing Sybil Attacks in Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 4485-4497.	5.5	54
14	Secure Transmission Lines Monitoring and Efficient Electricity Management in Ultra-Reliable Low Latency Industrial Internet of Things. Computer Standards and Interfaces, 2021, 77, 103500.	3.8	13
15	ALPHA: An Anonymous Orthogonal Code-Based Privacy Preserving Scheme for Industrial Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7716-7724.	7.2	11
16	Using augmented reality and deep learning to enhance Taxila Museum experience. Journal of Real-Time Image Processing, 2021, 18, 321-332.	2.2	25
17	Left-Right-Front Caching Strategy for Vehicular Networks in ICN-Based Internet of Things. IEEE Access, 2021, 9, 595-605.	2.6	14
18	Correlation between Triadic Closure and Homophily Formed over Location-Based Social Networks. Scientific Programming, 2021, 2021, 1-10.	0.5	1

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19	Intelligent and secure edge-enabled computing model for sustainable cities using green internet of things. <i>Sustainable Cities and Society</i> , 2021, 68, 102779.	5.1	44
20	A Lightweight Privacy-Aware IoT-Based Metering Scheme for Smart Industrial Ecosystems. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6134-6143.	7.2	24
21	Machine Learning-based Mist Computing Enabled Internet of Battlefield Things. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-26.	3.0	21
22	vTrust: An IoT-Enabled Trust-Based Secure Wireless Energy Sharing Mechanism for Vehicular Ad Hoc Networks. <i>Sensors</i> , 2021, 21, 7363.	2.1	9
23	Augmentation of Contextualized Concatenated Word Representation and Dilated Convolution Neural Network for Sentiment Analysis. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-13.	0.8	0
24	Named Data Networking-Based On-Demand Secure Vehicle-To-Vehicle Communications. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-15.	0.8	2
25	Machine Learning-Based Detection of Spam Emails. <i>Scientific Programming</i> , 2021, 2021, 1-11.	0.5	14
26	A framework for topological based map building: A solution to autonomous robot navigation in smart cities. <i>Future Generation Computer Systems</i> , 2020, 111, 644-653.	4.9	21
27	5G Vehicular Network Resource Management for Improving Radio Access Through Machine Learning. <i>IEEE Access</i> , 2020, 8, 6792-6800.	2.6	91
28	PUC: Packet Update Caching for energy efficient IoT-based Information-Centric Networking. <i>Future Generation Computer Systems</i> , 2020, 111, 634-643.	4.9	45
29	IoT-Based Association Rule Mining for the Prediction of Human Protein Complexes. <i>IEEE Access</i> , 2020, 8, 6226-6237.	2.6	17
30	Towards Energy-Efficient Mobile Ad Optimization: An App Developer Perspective. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6889.	1.3	2
31	High-Sensitivity Capsule-Shaped Sensor Based on 2D Photonic Crystals. <i>Symmetry</i> , 2020, 12, 1480.	1.1	20
32	Dynamic pricing in industrial internet of things: Blockchain application for energy management in smart cities. <i>Journal of Information Security and Applications</i> , 2020, 55, 102615.	1.8	51
33	Smart and Agile Manufacturing Framework, A Case Study for Automotive Industry. <i>Energies</i> , 2020, 13, 5766.	1.6	16
34	Proactive Forensics in IoT: Privacy-Aware Log-Preservation Architecture in Fog-Enabled-Cloud Using Holochain and Containerization Technologies. <i>Electronics (Switzerland)</i> , 2020, 9, 1172.	1.8	35
35	DDR-ESC: A Distributed and Data Reliability Model for Mobile Edge-Based Sensor-Cloud. <i>IEEE Access</i> , 2020, 8, 185752-185760.	2.6	11
36	EGCIR: Energy-Aware Graph Clustering and Intelligent Routing Using Supervised System in Wireless Sensor Networks. <i>Energies</i> , 2020, 13, 4072.	1.6	18

#	ARTICLE	IF	CITATIONS
37	Inferring Ties in Social IoT Using Location-Based Networks and Identification of Hidden Suspicious Ties. Scientific Programming, 2020, 2020, 1-16.	0.5	4
38	IoT-Based Automated Detection and Classification of Leukemia Using Deep Learning. Journal of Healthcare Engineering, 2020, 2020, 1-12.	1.1	72
39	AgriTrust—A Trust Management Approach for Smart Agriculture in Cloud-based Internet of Agriculture Things. Sensors, 2020, 20, 6174.	2.1	31
40	RTS: A Robust and Trusted Scheme for IoT-Based Mobile Wireless Mesh Networks. IEEE Access, 2020, 8, 68379-68390.	2.6	31
41	SASC: Secure and Authentication-Based Sensor Cloud Architecture for Intelligent Internet of Things. Sensors, 2020, 20, 2468.	2.1	50
42	IoT-based computational approach for detecting brain tumor. Future Generation Computer Systems, 2020, 109, 360-367.	4.9	54
43	Energy and delay efficient fog computing using caching mechanism. Computer Communications, 2020, 154, 534-541.	3.1	56
44	Performance Evaluation of Data Dissemination Protocols for Connected Autonomous Vehicles. IEEE Access, 2020, 8, 126896-126906.	2.6	30
45	Improved Resource Allocation in 5G MTC Networks. IEEE Access, 2020, 8, 49187-49197.	2.6	17
46	Doodle-Based Authentication Technique Using Augmented Reality. IEEE Access, 2020, 8, 4022-4034.	2.6	19
47	StabTrust—A Stable and Centralized Trust-Based Clustering Mechanism for IoT Enabled Vehicular Ad-Hoc Networks. IEEE Access, 2020, 8, 21159-21177.	2.6	76
48	Named Data Networking for Efficient IoT-based Disaster Management in a Smart Campus. Sustainability, 2020, 12, 3088.	1.6	41
49	ELC: Edge Linked Caching for content updating in information-centric Internet of Things. Computer Communications, 2020, 156, 174-182.	3.1	19
50	An Energy Efficient and Secure IoT-Based WSN Framework: An Application to Smart Agriculture. Sensors, 2020, 20, 2081.	2.1	156
51	AIoT-Based Smart Bin for Real-Time Monitoring and Management of Solid Waste. Scientific Programming, 2020, 2020, 1-13.	0.5	24
52	Integrating Fog Computing with VANETs: A Consumer Perspective. IEEE Communications Standards Magazine, 2019, 3, 19-25.	3.6	55
53	Energy-Effective Cooperative and Reliable Delivery Routing Protocols for Underwater Wireless Sensor Networks. Energies, 2019, 12, 2630.	1.6	32
54	Energy and performance aware fog computing: A case of DVFS and green renewable energy. Future Generation Computer Systems, 2019, 101, 1112-1121.	4.9	57

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55	Leveraging utilization as performance metric for CDN enabled energy efficient internet of things. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106814.	2.5	14
56	A Decade of Internet of Things: Analysis in the Light of Healthcare Applications. IEEE Access, 2019, 7, 89967-89979.	2.6	65
57	Designing a Smart Transportation System: An Internet of Things and Big Data Approach. IEEE Wireless Communications, 2019, 26, 73-79.	6.6	86
58	g-RAT A Novel Graphical Randomized Authentication Technique for Consumer Smart Devices. IEEE Transactions on Consumer Electronics, 2019, 65, 215-223.	3.0	20
59	A blockchain-based fog computing framework for activity recognition as an application to e-Healthcare services. Future Generation Computer Systems, 2019, 100, 569-578.	4.9	100
60	Spammer Detection and Fake User Identification on Social Networks. IEEE Access, 2019, 7, 68140-68152.	2.6	60
61	Secret Sharing-Based Energy-Aware and Multi-Hop Routing Protocol for IoT Based WSNs. IEEE Access, 2019, 7, 79980-79988.	2.6	80
62	iCAFE: Intelligent Congestion Avoidance and Fast Emergency services. Future Generation Computer Systems, 2019, 99, 365-375.	4.9	23
63	RobustTrust " A Pro-Privacy Robust Distributed Trust Management Mechanism for Internet of Things. IEEE Access, 2019, 7, 62095-62106.	2.6	75
64	HoliTrust-A Holistic Cross-Domain Trust Management Mechanism for Service-Centric Internet of Things. IEEE Access, 2019, 7, 52191-52201.	2.6	59
65	Machine learning in the Internet of Things: Designed techniques for smart cities. Future Generation Computer Systems, 2019, 100, 826-843.	4.9	121
66	A novel deep learning based framework for the detection and classification of breast cancer using transfer learning. Pattern Recognition Letters, 2019, 125, 1-6.	2.6	516
67	Toward Integrating Vehicular Clouds with IoT for Smart City Services. IEEE Network, 2019, 33, 65-71.	4.9	98
68	An e-Health care services framework for the detection and classification of breast cancer in breast cytology images as an IoMT application. Future Generation Computer Systems, 2019, 98, 286-296.	4.9	48
69	Offline Pashto OCR Using Machine Learning. , 2019, , .		2
70	Towards a Fog Enabled Efficient Car Parking Architecture. IEEE Access, 2019, 7, 159100-159111.	2.6	53
71	Intrusion Prevention Framework for Secure Routing in WSN-Based Mobile Internet of Things. IEEE Access, 2019, 7, 185496-185505.	2.6	103
72	A review of information centric network-based internet of things: communication architectures, design issues, and research opportunities. Multimedia Tools and Applications, 2019, 78, 30241-30256.	2.6	41

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73	The Internet of Things: A Review of Enabled Technologies and Future Challenges. IEEE Access, 2019, 7, 7606-7640.	2.6	152
74	Trust Management Techniques for the Internet of Things: A Survey. IEEE Access, 2019, 7, 29763-29787.	2.6	146
75	An Energy-Efficient and Secure Routing Protocol for Intrusion Avoidance in IoT-Based WSN. Energies, 2019, 12, 4174.	1.6	68
76	A Newly Developed Ground Truth Dataset for Visual Saliency in Videos. IEEE Access, 2018, 6, 20855-20867.	2.6	8
77	Caching in Information-Centric Networking: Strategies, Challenges, and Future Research Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1443-1474.	24.8	130
78	Privacy and Security Issues in Online Social Networks. Future Internet, 2018, 10, 114.	2.4	61
79	Leveraging Named Data Networking for Fragmented Networks in Smart Metropolitan Cities. IEEE Access, 2018, 6, 75899-75911.	2.6	22
80	Information-Centric Network-Based Vehicular Communications: Overview and Research Opportunities. Sensors, 2018, 18, 3957.	2.1	36
81	Changing patterns in speech: An analytical study of cultural emoticons. , 2017, , .		0
82	Redundancy Elimination in the Future Internet. , 2017, , 67-73.		3
83	A popularity based caching strategy for the future Internet. , 2016, , .		13
84	SocialCCNSim: A Simulator for Caching Strategies in Information-Centric Networking. Advanced Science Letters, 2015, 21, 3505-3509.	0.2	5
85	A Content Placement Scheme for Information-Centric Networking. Advanced Science Letters, 2015, 21, 3482-3484.	0.2	0