

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	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
2	An Energy Efficient and Secure IoT-Based WSN Framework: An Application to Smart Agriculture. Sensors, 2020, 20, 2081.	2.1	156
3	The Internet of Things: A Review of Enabled Technologies and Future Challenges. IEEE Access, 2019, 7, 7606-7640.	2.6	152
4	Trust Management Techniques for the Internet of Things: A Survey. IEEE Access, 2019, 7, 29763-29787.	2.6	146
5	Caching in Information-Centric Networking: Strategies, Challenges, and Future Research Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1443-1474.	24.8	130
6	Machine learning in the Internet of Things: Designed techniques for smart cities. Future Generation Computer Systems, 2019, 100, 826-843.	4.9	121
7	Intrusion Prevention Framework for Secure Routing in WSN-Based Mobile Internet of Things. IEEE Access, 2019, 7, 185496-185505.	2.6	103
8	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
9	Toward Integrating Vehicular Clouds with IoT for Smart City Services. IEEE Network, 2019, 33, 65-71.	4.9	98
10	5G Vehicular Network Resource Management for Improving Radio Access Through Machine Learning. IEEE Access, 2020, 8, 6792-6800.	2.6	91
11	Designing a Smart Transportation System: An Internet of Things and Big Data Approach. IEEE Wireless Communications, 2019, 26, 73-79.	6.6	86
12	Secret Sharing-Based Energy-Aware and Multi-Hop Routing Protocol for IoT Based WSNs. IEEE Access, 2019, 7, 79980-79988.	2.6	80
13	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
14	RobustTrust – A Pro-Privacy Robust Distributed Trust Management Mechanism for Internet of Things. IEEE Access, 2019, 7, 62095-62106.	2.6	75
15	IoMT-Based Automated Detection and Classification of Leukemia Using Deep Learning. Journal of Healthcare Engineering, 2020, 2020, 1-12.	1.1	72
16	An Energy-Efficient and Secure Routing Protocol for Intrusion Avoidance in IoT-Based WSN. Energies, 2019, 12, 4174.	1.6	68
17	A Decade of Internet of Things: Analysis in the Light of Healthcare Applications. IEEE Access, 2019, 7, 89967-89979.	2.6	65
18	Privacy and Security Issues in Online Social Networks. Future Internet, 2018, 10, 114.	2.4	61

#	ARTICLE	IF	CITATIONS
19	Spammer Detection and Fake User Identification on Social Networks. IEEE Access, 2019, 7, 68140-68152.	2.6	60
20	HoliTrust-A Holistic Cross-Domain Trust Management Mechanism for Service-Centric Internet of Things. IEEE Access, 2019, 7, 52191-52201.	2.6	59
21	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
22	Energy and delay efficient fog computing using caching mechanism. Computer Communications, 2020, 154, 534-541.	3.1	56
23	Integrating Fog Computing with VANETs: A Consumer Perspective. IEEE Communications Standards Magazine, 2019, 3, 19-25.	3.6	55
24	IoMT-based computational approach for detecting brain tumor. Future Generation Computer Systems, 2020, 109, 360-367.	4.9	54
25	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
26	Towards a Fog Enabled Efficient Car Parking Architecture. IEEE Access, 2019, 7, 159100-159111.	2.6	53
27	Dynamic pricing in industrial internet of things: Blockchain application for energy management in smart cities. Journal of Information Security and Applications, 2020, 55, 102615.	1.8	51
28	SASC: Secure and Authentication-Based Sensor Cloud Architecture for Intelligent Internet of Things. Sensors, 2020, 20, 2468.	2.1	50
29	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
30	PUC: Packet Update Caching for energy efficient IoT-based Information-Centric Networking. Future Generation Computer Systems, 2020, 111, 634-643.	4.9	45
31	Intelligent and secure edge-enabled computing model for sustainable cities using green internet of things. Sustainable Cities and Society, 2021, 68, 102779.	5.1	44
32	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
33	Named Data Networking for Efficient IoT-based Disaster Management in a Smart Campus. Sustainability, 2020, 12, 3088.	1.6	41
34	Information-Centric Network-Based Vehicular Communications: Overview and Research Opportunities. Sensors, 2018, 18, 3957.	2.1	36
35	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
36	Proactive Forensics in IoT: Privacy-Aware Log-Preservation Architecture in Fog-Enabled-Cloud Using Holochain and Containerization Technologies. Electronics (Switzerland), 2020, 9, 1172.	1.8	35

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37	Multi-tier authentication schemes for fog computing: Architecture, security perspective, and challenges. International Journal of Communication Systems, 2022, 35, e4033.	1.6	34
38	Energy-Effective Cooperative and Reliable Delivery Routing Protocols for Underwater Wireless Sensor Networks. Energies, 2019, 12, 2630.	1.6	32
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	Performance Evaluation of Data Dissemination Protocols for Connected Autonomous Vehicles. IEEE Access, 2020, 8, 126896-126906.	2.6	30
42	LightTrust: Lightweight Trust Management for Edge Devices in Industrial Internet of Things. IEEE Internet of Things Journal, 2023, 10, 2776-2783.	5.5	30
43	Using augmented reality and deep learning to enhance Taxila Museum experience. Journal of Real-Time Image Processing, 2021, 18, 321-332.	2.2	25
44	A Lightweight Privacy-Aware IoT-Based Metering Scheme for Smart Industrial Ecosystems. IEEE Transactions on Industrial Informatics, 2021, 17, 6134-6143.	7.2	24
45	AIoT-Based Smart Bin for Real-Time Monitoring and Management of Solid Waste. Scientific Programming, 2020, 2020, 1-13.	0.5	24
46	iCAFE: Intelligent Congestion Avoidance and Fast Emergency services. Future Generation Computer Systems, 2019, 99, 365-375.	4.9	23
47	Leveraging Named Data Networking for Fragmented Networks in Smart Metropolitan Cities. IEEE Access, 2018, 6, 75899-75911.	2.6	22
48	A framework for topological based map building: A solution to autonomous robot navigation in smart cities. Future Generation Computer Systems, 2020, 111, 644-653.	4.9	21
49	Machine Learning-based Mist Computing Enabled Internet of Battlefield Things. ACM Transactions on Internet Technology, 2021, 21, 1-26.	3.0	21
50	g-RAT A Novel Graphical Randomized Authentication Technique for Consumer Smart Devices. IEEE Transactions on Consumer Electronics, 2019, 65, 215-223.	3.0	20
51	High-Sensitivity Capsule-Shaped Sensor Based on 2D Photonic Crystals. Symmetry, 2020, 12, 1480.	1.1	20
52	Doodle-Based Authentication Technique Using Augmented Reality. IEEE Access, 2020, 8, 4022-4034.	2.6	19
53	ELC: Edge Linked Caching for content updating in information-centric Internet of Things. Computer Communications, 2020, 156, 174-182.	3.1	19
54	EGCIR: Energy-Aware Graph Clustering and Intelligent Routing Using Supervised System in Wireless Sensor Networks. Energies, 2020, 13, 4072.	1.6	18

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55	IoMT-Based Association Rule Mining for the Prediction of Human Protein Complexes. IEEE Access, 2020, 8, 6226-6237.	2.6	17
56	Improved Resource Allocation in 5G MTC Networks. IEEE Access, 2020, 8, 49187-49197.	2.6	17
57	Smart and Agile Manufacturing Framework, A Case Study for Automotive Industry. Energies, 2020, 13, 5766.	1.6	16
58	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
59	Left-Right-Front Caching Strategy for Vehicular Networks in ICN-Based Internet of Things. IEEE Access, 2021, 9, 595-605.	2.6	14
60	Machine Learning-Based Detection of Spam Emails. Scientific Programming, 2021, 2021, 1-11.	0.5	14
61	A popularity based caching strategy for the future Internet. , 2016, , .		13
62	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
63	DDR-ESC: A Distributed and Data Reliability Model for Mobile Edge-Based Sensor-Cloud. IEEE Access, 2020, 8, 185752-185760.	2.6	11
64	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
65	A Novel Privacy Preserving Scheme for Smart Grid-Based Home Area Networks. Sensors, 2022, 22, 2269.	2.1	11
66	ShareTrust: Centralized trust management mechanism for trustworthy resource sharing in industrial Internet of Things. Computers and Electrical Engineering, 2022, 100, 108013.	3.0	10
67	vTrust: An IoT-Enabled Trust-Based Secure Wireless Energy Sharing Mechanism for Vehicular Ad Hoc Networks. Sensors, 2021, 21, 7363.	2.1	9
68	A Newly Developed Ground Truth Dataset for Visual Saliency in Videos. IEEE Access, 2018, 6, 20855-20867.	2.6	8
69	SocialCCNSim: A Simulator for Caching Strategies in Information-Centric Networking. Advanced Science Letters, 2015, 21, 3505-3509.	0.2	5
70	Effective Task Scheduling in Critical Fog Applications. Scientific Programming, 2022, 2022, 1-15.	0.5	5
71	Inferring Ties in Social IoT Using Location-Based Networks and Identification of Hidden Suspicious Ties. Scientific Programming, 2020, 2020, 1-16.	0.5	4
72	Redundancy Elimination in the Future Internet. , 2017, , 67-73.		3

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73	Fog-Computing-Based Cyber-Physical System for Secure Food Traceability through the Twofish Algorithm. Electronics (Switzerland), 2022, 11, 283.	1.8	3
74	GRA-PIN: A Graphical and PIN-Based Hybrid Authentication Approach for Smart Devices. Sensors, 2022, 22, 1349.	2.1	3
75	Offline Pashto OCR Using Machine Learning. , 2019, , .		2
76	Towards Energy-Efficient Mobile Ad Optimization: An App Developer Perspective. Applied Sciences (Switzerland), 2020, 10, 6889.	1.3	2
77	IoT Devices Authentication Using Artificial Neural Network. Computers, Materials and Continua, 2022, 70, 3701-3716.	1.5	2
78	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
79	Named Data Networking-Based On-Demand Secure Vehicle-To-Vehicle Communications. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	0.8	2
80	Correlation between Triadic Closure and Homophily Formed over Location-Based Social Networks. Scientific Programming, 2021, 2021, 1-10.	0.5	1
81	Secure Delegation Using Enhanced Capability Model. Security and Communication Networks, 2022, 2022, 1-9.	1.0	1
82	Changing patterns in speech: An analytical study of cultural emoticons. , 2017, , .		0
83	A Content Placement Scheme for Information-Centric Networking. Advanced Science Letters, 2015, 21, 3482-3484.	0.2	0
84	Augmentation of Contextualized Concatenated Word Representation and Dilated Convolution Neural Network for Sentiment Analysis. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	0.8	0
85	Identification of Secondary Breast Cancer in Vital Organs through the Integration of Machine Learning and Microarrays. Electronics (Switzerland), 2022, 11, 1879.	1.8	0