Mian Jan

List of Publications by Year
in descending order

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63 papers	1,820 citations	257101 24 h-index	288905 40 g-index
63 all docs	63 docs citations	63 times ranked	1783 citing authors

#	Article	IF	Citations
1	iACP-GAEnsC: Evolutionary genetic algorithm based ensemble classification of anticancer peptides by utilizing hybrid feature space. Artificial Intelligence in Medicine, 2017, 79, 62-70.	3.8	106
2	Secure and resilient demand side management engine using machine learning for IoT-enabled smart grid. Sustainable Cities and Society, 2020, 62, 102370.	5.1	105
3	Intelligent Dynamic Malware Detection using Machine Learning in IP Reputation for Forensics Data Analytics. Future Generation Computer Systems, 2021, 118, 124-141.	4.9	84
4	A Sybil attack detection scheme for a forest wildfire monitoring application. Future Generation Computer Systems, 2018, 80, 613-626.	4.9	80
5	Mobility-Aware Multi-Hop Task Offloading for Autonomous Driving in Vehicular Edge Computing and Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-14.	4.7	72
6	A payload-based mutual authentication scheme for Internet of Things. Future Generation Computer Systems, 2019, 92, 1028-1039.	4.9	71
7	Urban data management system: Towards Big Data analytics for Internet of Things based smart urban environment using customized Hadoop. Future Generation Computer Systems, 2019, 96, 398-409.	4.9	60
8	Lightweight Mutual Authentication and Privacy-Preservation Scheme for Intelligent Wearable Devices in Industrial-CPS. IEEE Transactions on Industrial Informatics, 2021, 17, 5829-5839.	7.2	57
9	PASCCC: Priority-based application-specific congestion control clustering protocol. Computer Networks, 2014, 74, 92-102.	3.2	55
10	PAWN: a payloadâ€based mutual authentication scheme for wireless sensor networks. Concurrency Computation Practice and Experience, 2017, 29, e3986.	1.4	51
11	A Comprehensive Analysis of Congestion Control Protocols in Wireless Sensor Networks. Mobile Networks and Applications, 2018, 23, 456-468.	2.2	51
12	A Joint Framework for QoS and QoE for Video Transmission over Wireless Multimedia Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 746-759.	3.9	49
13	P2DCA: A Privacy-Preserving-Based Data Collection and Analysis Framework for IoMT Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1222-1230.	9.7	49
14	SmartEdge: An end-to-end encryption framework for an edge-enabled smart city application. Journal of Network and Computer Applications, 2019, 137, 1-10.	5.8	45
15	A Sybil Attack Detection Scheme for a Centralized Clustering-Based Hierarchical Network. , 2015, , .		44
16	SAMS: A Seamless and Authorized Multimedia Streaming Framework for WMSN-Based IoMT. IEEE Internet of Things Journal, 2019, 6, 1576-1583.	5.5	44
17	SafeCity: Toward Safe and Secured Data Management Design for IoT-Enabled Smart City Planning. IEEE Access, 2020, 8, 145256-145267.	2.6	44
18	A Secured and Intelligent Communication Scheme for IIoT-enabled Pervasive Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 5128-5137.	7.2	42

#	Article	IF	Citations
19	SDN-Enabled Adaptive and Reliable Communication in IoT-Fog Environment Using Machine Learning and Multiobjective Optimization. IEEE Internet of Things Journal, 2021, 8, 3057-3065.	5.5	37
20	Security and blockchain convergence with Internet of Multimedia Things: Current trends, research challenges and future directions. Journal of Network and Computer Applications, 2021, 175, 102918.	5.8	36
21	A Survey on Big Multimedia Data Processing and Management in Smart Cities. ACM Computing Surveys, 2020, 52, 1-29.	16.1	32
22	Cryptography-based secure data storage and sharing using HEVC and public clouds. Information Sciences, 2017, 387, 90-102.	4.0	31
23	An AI-enabled lightweight data fusion and load optimization approach for Internet of Things. Future Generation Computer Systems, 2021, 122, 40-51.	4.9	31
24	A Centralized Cluster-Based Hierarchical Approach for Green Communication in a Smart Healthcare System. IEEE Access, 2020, 8, 101464-101475.	2.6	30
25	QASEC: A secured data communication scheme for mobile Ad-hoc networks. Future Generation Computer Systems, 2020, 109, 604-610.	4.9	27
26	A Mobile Multimedia Data Collection Scheme for Secured Wireless Multimedia Sensor Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 274-284.	4.1	26
27	LightIoT: Lightweight and Secure Communication for Energy-Efficient IoT in Health Informatics. IEEE Transactions on Green Communications and Networking, 2021, 5, 1202-1211.	3.5	24
28	A Secured and Efficient Communication Scheme for Decentralized Cognitive Radio-Based Internet of Vehicles. IEEE Access, 2019, 7, 160889-160900.	2.6	23
29	An Energy-Efficient and Congestion Control Data-Driven Approach for Cluster-Based Sensor Network. Mobile Networks and Applications, 2019, 24, 1295-1305.	2.2	23
30	A comprehensive survey of security threats and their mitigation techniques for nextâ€generation SDN controllers. Concurrency Computation Practice and Experience, 2020, 32, e5300.	1.4	23
31	Interoperability and Data Storage in Internet of Multimedia Things: Investigating Current Trends, Research Challenges and Future Directions. IEEE Access, 2020, 8, 124382-124401.	2.6	23
32	ARTNet: Ai-Based Resource Allocation and Task Offloading in a Reconfigurable Internet of Vehicular Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 67-77.	4.1	21
33	A Distributed and Anonymous Data Collection Framework Based on Multilevel Edge Computing Architecture. IEEE Transactions on Industrial Informatics, 2020, 16, 6114-6123.	7.2	20
34	Performance evaluation of High Definition video streaming over Mobile Ad Hoc Networks. Signal Processing, 2018, 148, 303-313.	2.1	19
35	An Efficient and Secure Multimessage and Multireceiver Signcryption Scheme for Edge-Enabled Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 2688-2697.	5.5	19
36	Energy Evaluation Model for an Improved Centralized Clustering Hierarchical Algorithm in WSN. Lecture Notes in Computer Science, 2013, , 154-167.	1.0	18

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37	Data Sharing in Secure Multimedia Wireless Sensor Networks. , 2016, , .		18
38	A Quality of Service-Aware Secured Communication Scheme for Internet of Things-Based Networks. Sensors, 2019, 19, 4321.	2.1	18
39	PAAL: A Framework Based on Authentication, Aggregation, and Local Differential Privacy for Internet of Multimedia Things. IEEE Internet of Things Journal, 2020, 7, 2501-2508.	5.5	18
40	A Survey on Representation Learning Efforts in Cybersecurity Domain. ACM Computing Surveys, 2020, 52, 1-28.	16.1	18
41	Smart Sensing-Enabled Decision Support System for Water Scheduling in Orange Orchard. IEEE Sensors Journal, 2021, 21, 17492-17499.	2.4	15
42	A secured and reliable communication scheme in cognitive hybrid ARQ-aided smart city. Computers and Electrical Engineering, 2020, 81, 106502.	3.0	11
43	Artificial intelligence-based load optimization in cognitive Internet of Things. Neural Computing and Applications, 2020, 32, 16179-16189.	3.2	11
44	SPEED: A Deep Learning Assisted Privacy-Preserved Framework for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4376-4384.	4.7	11
45	Intelligent Intraoperative Haptic-AR Navigation for COVID-19 Lung Biopsy Using Deep Hybrid Model. IEEE Transactions on Industrial Informatics, 2021, 17, 6519-6527.	7.2	11
46	A Secured and Reliable Continuous Transmission Scheme in Cognitive HARQ-Aided Internet of Things. IEEE Internet of Things Journal, 2021, 8, 14835-14844.	5.5	11
47	Time-Frequency Filter Bank: A Simple Approach for Audio and Music Separation. IEEE Access, 2017, 5, 27114-27125.	2.6	10
48	ARCA-IoT: An Attack-Resilient Cloud-Assisted IoT System. IEEE Access, 2019, 7, 19616-19630.	2.6	10
49	Security-Aware Data-Driven Intelligent Transportation Systems. IEEE Sensors Journal, 2021, 21, 15859-15866.	2.4	9
50	Improving Physical Layer Security in Vehicles and Pedestrians Networks With Ambient Backscatter Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9380-9390.	4.7	9
51	3-D-SIS: A 3-D-Social Identifier Structure for Collaborative Edge Computing Based Social IoT. IEEE Transactions on Computational Social Systems, 2022, 9, 313-323.	3.2	8
52	Editorial: Machine Learning and Big Data Analytics for IoT-Enabled Smart Cities. Mobile Networks and Applications, 2021, 26, 156-158.	2.2	8
53	Marginal and average weight-enabled data aggregation mechanism for the resource-constrained networks. Computer Communications, 2021, 174, 101-108.	3.1	8
54	A Channel Borrowing Approach for Cluster-based Hierarchical Wireless Sensor Networks. Mobile Networks and Applications, 2019, 24, 1306-1316.	2.2	7

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55	Error Concealment for Cloudâ€“Based and Scalable Video Coding of HD Videos. IEEE Transactions on Cloud Computing, 2019, 7, 975-987.	3.1	7
56	An energy-efficient data aggregation approach for cluster-based wireless sensor networks. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 321.	1.6	6
57	IoHT-enabled gliomas disease management using fog Computing computing for sustainable societies. Sustainable Cities and Society, 2021, 74, 103215.	5.1	6
58	An Identity-Based Data Integrity Auditing Scheme for Cloud-Based Maritime Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	4.7	6
59	Application of Parallel Vector Space Model for Large-Scale DNA Sequence Analysis. Journal of Grid Computing, 2019, 17, 313-324.	2.5	4
60	PFARS: Enhancing throughput and lifetime of heterogeneous WSNs through powerâ€aware fusion, aggregation, and routing scheme. International Journal of Communication Systems, 2019, 32, e4144.	1.6	3
61	A Trustworthy, Reliable, and Lightweight Privacy and Data Integrity Approach for the Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 511-518.	7.2	3
62	EH-ARCUN: Energy Harvested Analytical Approach Towards Reliability with Cooperation for Underwater WSNs. EAI/Springer Innovations in Communication and Computing, 2019, , 147-157.	0.9	2
63	Guest Editorial: Configuration Security for Industrial Automation and Control Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4206-4209.	7.2	0