

# Amr Mohamed

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194  
papers

2,306  
citations

22  
h-index

40  
g-index

243  
ext. papers

3,287  
ext. citations

5.5  
avg. IF

5.87  
L-index

#	Paper	IF	Citations
194	A robust human activity recognition system using smartphone sensors and deep learning. <i>Future Generation Computer Systems</i> , <b>2018</b> , 81, 307-313	7.5	286
193	A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 1646-1685	37.1	256
192	Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. <i>IEEE Communications Surveys and Tutorials</i> , <b>2019</b> , 21, 3340-3385	37.1	90
191	Edge Computing for Smart Health: Context-Aware Approaches, Opportunities, and Challenges. <i>IEEE Network</i> , <b>2019</b> , 33, 196-203	11.4	84
190	RF-based drone detection and identification using deep learning approaches: An initiative towards a large open source drone database. <i>Future Generation Computer Systems</i> , <b>2019</b> , 100, 86-97	7.5	66
189	Efficient ECG Compression and QRS Detection for E-Health Applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 459	4.9	51
188	Ensemble classifier for epileptic seizure detection for imperfect EEG data. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 945689	2.2	50
187	Survey on energy harvesting wireless communications: Challenges and opportunities for radio resource allocation. <i>Computer Networks</i> , <b>2015</b> , 88, 234-248	5.4	43
186	. <i>IEEE Network</i> , <b>2020</b> , 34, 312-319	11.4	39
185	A Survey of Blockchain Enabled Cyber-Physical Systems. <i>Sensors</i> , <b>2020</b> , 20,	3.8	36
184	Distributed Cooperative Q-Learning for Power Allocation in Cognitive Femtocell Networks <b>2012</b> ,		36
183	Mobile Target Coverage and Tracking on Drone-Be-Gone UAV Cyber-Physical Testbed. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3485-3496	4.3	35
182	Access Control Schemes for Implantable Medical Devices: A Survey. <i>IEEE Internet of Things Journal</i> , <b>2017</b> , 4, 1272-1283	10.7	31
181	Joint Routing and Resource Allocation for Delay Minimization in Cognitive Radio Based Mesh Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 186-197	9.6	28
180	Edge-based compression and classification for smart healthcare systems: Concept, implementation and evaluation. <i>Expert Systems With Applications</i> , <b>2019</b> , 117, 1-14	7.8	28
179	EEG-Based Transceiver Design With Data Decomposition for Healthcare IoT Applications. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 3569-3579	10.7	27
178	<b>2016</b> ,		25

177	Improving Remote Health Monitoring: A Low-Complexity ECG Compression Approach. <i>Diagnostics</i> , <b>2018</b> , 8,	3.8	24
176	Argus <b>2017</b> ,		24
175	DroneRF dataset: A dataset of drones for RF-based detection, classification and identification. <i>Data in Brief</i> , <b>2019</b> , 26, 104313	1.2	23
174	A Novel Deep Learning Strategy for Classifying Different Attack Patterns for Deep Brain Implants. <i>IEEE Access</i> , <b>2019</b> , 7, 24154-24164	3.5	22
173	. <i>IEEE Access</i> , <b>2018</b> , 6, 33727-33739	3.5	22
172	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 15762-15775	10.7	22
171	Unleashing the secure potential of the wireless physical layer: Secret key generation methods. <i>Physical Communication</i> , <b>2016</b> , 19, 1-10	2.2	21
170	Collaborative joint caching and transcoding in mobile edge networks. <i>Journal of Network and Computer Applications</i> , <b>2019</b> , 136, 86-99	7.9	20
169	Scalable real-time energy-efficient EEG compression scheme for wireless body area sensor network. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 19, 122-129	4.9	20
168	Cognitive Radio Networks With Probabilistic Relaying: Stable Throughput and Delay Tradeoffs. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 4002-4014	6.9	20
167	On spectrum sharing between energy harvesting cognitive radio users and primary users <b>2015</b> ,		20
166	Multi-Layer Perceptron Model on Chip for Secure Diabetic Treatment. <i>IEEE Access</i> , <b>2018</b> , 6, 44718-44730	3.5	16
165	Dynamic Network Selection in Heterogeneous Wireless Networks: A user-centric scheme for improved delivery. <i>IEEE Consumer Electronics Magazine</i> , <b>2017</b> , 6, 53-60	3.2	15
164	On Realistic Target Coverage by Autonomous Drones. <i>ACM Transactions on Sensor Networks</i> , <b>2019</b> , 15, 1-33	2.9	15
163	Biometric-based authentication scheme for Implantable Medical Devices during emergency situations. <i>Future Generation Computer Systems</i> , <b>2019</b> , 98, 109-119	7.5	15
162	TIDCS: A Dynamic Intrusion Detection and Classification System Based Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 95864-95877	3.5	14
161	Deep Learning for RF-Based Drone Detection and Identification: A Multi-Channel 1-D Convolutional Neural Networks Approach <b>2020</b> ,		14
160	Interference-aware energy-efficient cross-layer design for healthcare monitoring applications. <i>Computer Networks</i> , <b>2014</b> , 74, 64-77	5.4	14

159	A cooperative Q-learning approach for distributed resource allocation in multi-user femtocell networks <b>2014</b> ,		14
158	Distributed in-network processing and resource optimization over mobile-health systems. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 82, 65-76	7.9	13
157	Multimodal Deep Learning Approach for Joint EEG-EMG Data Compression and Classification <b>2017</b> ,		13
156	Decentralized Throughput Maximization in Cognitive Radio Wireless Mesh Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2014</b> , 13, 1967-1980	4.6	13
155	A review of security challenges, attacks and resolutions for wireless medical devices <b>2017</b> ,		13
154	Up and away: A visually-controlled easy-to-deploy wireless UAV Cyber-Physical testbed <b>2014</b> ,		13
153	EdgeHealth: An Energy-Efficient Edge-based Remote mHealth Monitoring System <b>2019</b> ,		12
152	Real-time implementation and evaluation of an adaptive energy-aware data compression for wireless EEG monitoring systems <b>2014</b> ,		12
151	PCCP: Proactive Video Chunks Caching and Processing in edge networks. <i>Future Generation Computer Systems</i> , <b>2020</b> , 105, 44-60	7.5	12
150	Optimal User-Edge Assignment in Hierarchical Federated Learning based on Statistical Properties and Network Topology Constraints. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	12
149	A Cooperative Q-Learning Approach for Online Power Allocation in Femtocell Networks <b>2013</b> ,		11
148	<b>2018</b> ,		11
147	User-Centric Networks Selection With Adaptive Data Compression for Smart Health. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3618-3628	4.3	10
146	Secret Key Generation Based on AoA Estimation for Low SNR Conditions <b>2015</b> ,		10
145	On target coverage in mobile visual sensor networks <b>2014</b> ,		10
144	Energy efficient cross-layer design for wireless body area monitoring networks in healthcare applications <b>2013</b> ,		10
143	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 5794-5805	10.7	10
142	Network Association with Dynamic Pricing over D2D-Enabled Heterogeneous Networks <b>2017</b> ,		9

141	Towards Extended Bit Tracking for Scalable and Robust RFID Tag Identification Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 27190-27204	3.5	9
140	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2117-2128	4.3	9
139	QoE-Aware Resource Allocation for Crowdsourced Live Streaming: A Machine Learning Approach <b>2019</b> ,		9
138	Buffer-aided relaying improves both throughput and end-to-end delay. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	9
137	Trading wireless information and power transfer: Relay selection to minimize the outage probability <b>2014</b> ,		9
136	Characterization of the indoor-outdoor radio propagation channel at 2.4 GHz <b>2011</b> ,		9
135	Multi-layer security scheme for implantable medical devices. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 4347-4360	4.8	9
134	Privacy-Preserving Distributed IDS Using Incremental Learning for IoT Health Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 14271-14283	3.5	9
133	To chain or not to chain: A reinforcement learning approach for blockchain-enabled IoT monitoring applications. <i>Future Generation Computer Systems</i> , <b>2020</b> , 111, 39-51	7.5	8
132	Channel-, Queue-, and Delay-Aware Resource Allocation in Buffer-Aided Relay-Enhanced OFDMA Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2397-2412	6.8	8
131	<b>2013</b> ,		8
130	New Plain-Text Authentication Secure Scheme for Implantable Medical Devices with Remote Control <b>2017</b> ,		8
129	Proactive Video Chunks Caching and Processing for Latency and Cost Minimization in Edge Networks <b>2019</b> ,		8
128	Deep Reinforcement Learning for Network Selection over Heterogeneous Health Systems. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	8
127	Blockchain applications for healthcare <b>2020</b> , 153-166		7
126	Low Complexity Target Coverage Heuristics Using Mobile Cameras <b>2014</b> ,		7
125	Performance Comparison of classification algorithms for EEG-based remote epileptic seizure detection in Wireless Sensor Networks <b>2014</b> ,		7
124	Non-data-aided SNR estimation for QPSK modulation in AWGN channel <b>2014</b> ,		7

123	Traffic Analysis Attacks on Tor: A Survey <b>2020</b> ,		7
122	Relay selection schemes to minimise outage in wireless powered communication networks. <i>IET Signal Processing</i> , <b>2016</b> , 10, 203-209	1.7	7
121	Distributed CNN Inference on Resource-Constrained UAVs for Surveillance Systems: Design and Optimization. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	7
120	Automated class-based compression for real-time epileptic seizure detection <b>2018</b> ,		7
119	Optimal cooperative cognitive relaying and spectrum access for an energy harvesting cognitive radio: Reinforcement learning approach <b>2015</b> ,		6
118	Symmetric Encryption Relying on Chaotic Henon System for Secure Hardware-Friendly Wireless Communication of Implantable Medical Systems. <i>Journal of Sensor and Actuator Networks</i> , <b>2018</b> , 7, 21	3.8	6
117	Energy-aware cross-layer optimization for EEG-based wireless monitoring applications <b>2013</b> ,		6
116	EEG feature extraction and selection techniques for epileptic detection: A comparative study <b>2013</b> ,		6
115	Estimating the number of sources in white Gaussian noise: simple eigenvalues based approaches. <i>IET Signal Processing</i> , <b>2017</b> , 11, 663-673	1.7	6
114	DLRT: Deep Learning Approach for Reliable Diabetic Treatment <b>2017</b> ,		6
113	Distributed interference management using Q-Learning in cognitive femtocell networks: New USRP-based implementation <b>2015</b> ,		6
112	Towards Energy Efficient and Quality of Service Aware Cell Zooming in 5G Wireless Networks <b>2015</b> ,		6
111	On the joint scheduling and intra-cell interference coordination in multi-relay LTE uplink <b>2012</b> ,		6
110	Performance Evaluation of Hyperledger Fabric <b>2020</b> ,		6
109	FacebookVideoLive18: A Live Video Streaming Dataset for Streams Metadata and Online Viewers Locations <b>2020</b> ,		6
108	Classification for Imperfect EEG Epileptic Seizure in IoT applications: A Comparative Study <b>2018</b> ,		6
107	CE-D2D: Dual Framework Chunks Caching and offloading in Collaborative Edge networks with D2D communication <b>2019</b> ,		5
106	TangleCV <b>2019</b> ,		5

105	Understanding Probabilistic Cognitive Relaying Communication with Experimental Implementation and Performance Analysis. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
104	Fairness scheme for energy efficient H.264/AVC-based video sensor network. <i>Human-centric Computing and Information Sciences</i> , <b>2015</b> , 5,	5.4	5
103	RL-OPRA: Reinforcement Learning for Online and Proactive Resource Allocation of crowdsourced live videos. <i>Future Generation Computer Systems</i> , <b>2020</b> , 112, 982-995	7.5	5
102	Long-Term Power Procurement Scheduling Method for Smart-Grid Powered Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 2882-2892	9.6	5
101	Energy-Aware Cooperative Wireless Networks With Multiple Cognitive Users. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 3233-3245	6.9	5
100	Cooperative access in cognitive radio networks: stable throughput and delay tradeoffs <b>2014</b> ,		5
99	On the fairness of frequency domain resource allocation in Wireless Mesh Networks [A survey] <b>2011</b> ,		5
98	Evolution of Internet of Things From Blockchain to IOTA: A Survey. <i>IEEE Access</i> , <b>2022</b> , 10, 844-866	3.5	5
97	VisDrone-CC2020: The Vision Meets Drone Crowd Counting Challenge Results. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 675-691	0.9	5
96	Secure medical treatment with deep learning on embedded board <b>2020</b> , 131-151		5
95	DTW based Authentication for Wireless Medical Device Security <b>2018</b> ,		5
94	Efficient and Fair Throughput-Optimal Scheduling in Buffer-Aided Relay-Based Cellular Networks. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1390-1393	3.8	4
93	Estimating the number of sources: An efficient maximization approach <b>2015</b> ,		4
92	Cooperative Q-learning techniques for distributed online power allocation in femtocell networks. <i>Wireless Communications and Mobile Computing</i> , <b>2015</b> , 15, 1929-1944	1.9	4
91	Collaborative hierarchical caching and transcoding in edge network with CE-D2D communication. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 172, 102801	7.9	4
90	Service-Less Video Multicast in 5G: Enablers and Challenges. <i>IEEE Network</i> , <b>2020</b> , 34, 270-276	11.4	4
89	Weighted Trustworthiness for ML Based Attacks Classification <b>2020</b> ,		4
88	Energy and Bursty Packet Loss Tradeoff Over Fading Channels: A System-Level Model. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 527-538	4.3	4

87	FPGA implementation of DWT EEG data compression for wireless body sensor networks <b>2016,</b>		4
86	<b>2013,</b>		4
85	Resource Provisioning for Cloud-Assisted Body Area Network in a Smart Home Environment. <i>IEEE Access</i> , <b>2017</b> , 5, 13213-13224	3.5	4
84	Walsh transform with moving average filtering for data compression in wireless sensor networks <b>2017,</b>		4
83	<b>2015,</b>		4
82	Towards energy efficient relay placement and load balancing in future wireless networks <b>2014,</b>		4
81	Optimum power and rate allocation in video sensor networks <b>2013,</b>		4
80	On the group proportional fairness of frequency domain resource allocation in L-SC-FDMA based LTE uplink <b>2010,</b>		4
79	User-centric network selection in multi-RAT systems <b>2016,</b>		4
78	Transcoding Resources Forecasting and Reservation for Crowdsourced Live Streaming <b>2019,</b>		4
77	An Intelligent Resource Reservation for Crowdsourced Live Video Streaming Applications in Geo-Distributed Cloud Environment. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-13	4.3	4
76	Deep learning and low rank dictionary model for mHealth data classification <b>2018,</b>		4
75	Centralized and Distributed Cognitive Relay-Selection Schemes for SWIPT Cognitive Networks. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 7431-7443	6.9	3
74	Power control and group proportional fairness for frequency domain resource allocation in L-SC-FDMA based LTE uplink. <i>Wireless Networks</i> , <b>2015</b> , 21, 1819-1834	2.5	3
73	Comparative simulation for physical layer key generation methods <b>2015,</b>		3
72	Deep learning-based security schemes for implantable medical devices <b>2020,</b> 109-130		3
71	Edge computing for energy-efficient smart health systems <b>2020,</b> 53-67		3
70	RF Energy Harvesting Communications: Recent Advances and Research Issues. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 339-363	0.8	3



69	Transmission Delay Minimization for Energy Constrained Communication in Wireless Body Area Sensor Networks <b>2014,</b>		3
68	<b>2013,</b>		3
67	Deep learning approach for EEG compression in mHealth system <b>2017,</b>		3
66	Light-weight encryption of wireless communication for implantable medical devices using henon chaotic system (invited paper) <b>2017,</b>		3
65	Evidence Theory-Based Approach for Epileptic Seizure Detection Using EEG Signals <b>2012,</b>		3
64	On Designing Smart Agents for Service Provisioning in Blockchain-powered Systems. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	3
63	Smart Edge Healthcare Data Sharing System <b>2020,</b>		3
62	Machine Learning Based Cloud Computing Anomalies Detection. <i>IEEE Network</i> , <b>2020</b> , 34, 178-183	11.4	3
61	Spatiotemporal data mining: a survey on challenges and open problems. <i>Artificial Intelligence Review</i> , <b>2021</b> , 1-48	9.7	3
60	Energy efficient antenna selection for a MIMO relay using RF energy harvesting <b>2016,</b>		3
59	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 6454-6468	10.7	3
58	Multicast at Edge: An Edge Network Architecture for Service-Less Crowdsourced Live Video Multicast. <i>IEEE Access</i> , <b>2021</b> , 9, 59508-59526	3.5	3
57	RL-PDNN: Reinforcement Learning for Privacy-Aware Distributed Neural Networks in IoT Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 54872-54887	3.5	3
56	<b>2018,</b>		3
55	A Simple Cross Correlation Switched Beam System (XSBS) for Angle of Arrival Estimation. <i>IEEE Access</i> , <b>2017</b> , 5, 3340-3352	3.5	2
54	Efficient EEG Mobile Edge Computing and Optimal Resource Allocation for Smart Health Applications <b>2019,</b>		2
53	Optimum power and rate allocation in cluster based video sensor networks <b>2015,</b>		2
52	Optimal spectrum access for a rechargeable cognitive radio user based on energy buffer state <b>2015</b>		2

51	Hybrid radio resource allocation and interference coordination for type 1a-relayed long term evolution uplink. <i>IET Communications</i> , <b>2014</b> , 8, 1928-1937	1.3	2
50	<b>2014</b> ,		2
49	<b>2013</b> ,		2
48	<b>2017</b> ,		2
47	A Simple Angle of Arrival Estimation System <b>2017</b> ,		2
46	Adaptive forwarding of mHealth data in challenged networks <b>2017</b> ,		2
45	Secrecy for MIMO wiretap and MIMO broadcast channels with fading eavesdroppers: CSI does not increase the secure DoF <b>2015</b> ,		2
44	On the power efficiency for cognitive radio networks with multiple relays <b>2014</b> ,		2
43	Utility-based uplink scheduling algorithm for enhancing throughput and fairness in relayed LTE networks <b>2010</b> ,		2
42	The impact of inter-layer network coding on the relative performance of MRC/MDC WiFi media delivery <b>2011</b> ,		2
41	Outage Optimal Resource Allocation for Two-Hop Multiuser Multirelay Cooperative Communication in OFDMA Upstream <b>2011</b> ,		2
40	WSN15-3: Optimal Resource Allocation for Homogeneous Wireless Multicast. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , <b>2006</b> ,		2
39	Dynamic Resource Allocation of eMBB-uRLLC Traffic in 5G New Radio <b>2020</b> ,		2
38	DistPrivacy: Privacy-Aware Distributed Deep Neural Networks in IoT surveillance systems <b>2020</b> ,		2
37	Active Learning With Noisy Labelers for Improving Classification Accuracy of Connected Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 3059-3070	6.8	2
36	Hierarchical Federated Learning for Collaborative IDS in IoT Applications <b>2021</b> ,		2
35	ONSRA: an Optimal Network Selection and Resource Allocation Framework in multi-RAT Systems <b>2021</b> ,		2
34	Robust secret key extraction from channel secondary random process. <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 1389-1400	1.9	2

33	Energy Efficient EEG Monitoring System for Wireless Epileptic Seizure Detection <b>2016,</b>		2
32	Neuro-fuzzy analytics in athlete development (NueroFATH): a machine learning approach. <i>Neural Computing and Applications</i> ,1	4.8	2
31	RL-DistPrivacy: Privacy-Aware Distributed Deep Inference for low latency IoT systems. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2022</b> , 1-1	4.9	2
30	ViDMASK dataset for face mask detection with social distance measurement.. <i>Displays</i> , <b>2022</b> , 102235	3.4	2
29	On Physical Layer Security in Energy-Efficient Wireless Health Monitoring Applications <b>2019,</b>		1
28	Interference-based optimal power-efficient access scheme for cognitive radio networks <b>2015,</b>		1
27	Public Security Surveillance System Using Blockchain Technology and Advanced Image Processing Techniques <b>2020,</b>		1
26	High performance EEG feature extraction for fast epileptic seizure detection <b>2017,</b>		1
25	Energy-cost-distortion optimization for delay-sensitive M-health applications <b>2015,</b>		1
24	Channel secondary random process for robust secret key generation <b>2015,</b>		1
23	Utility-based efficient dynamic distributed resource allocation in buffer-aided relay-assisted OFDMA networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	1
22	Cross-Layer Optimal Rate Allocation for Heterogeneous Wireless Multicast. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2009</b> , 2009,	3.2	1
21	Fuzzy Elliptic Curve Cryptography for Authentication in Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
20	POKs Based Secure and Energy-Efficient Access Control for Implantable Medical Devices. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2019</b> , 105-125	0.2	1
19	Navigation and Obstacle Avoidance System in Unknown Environment <b>2020,</b>		1
18	Key Generation Based Fuzzy Logic and Elliptic Curve Cryptography for Internet of Things (IoT) Authentication <b>2020,</b>		1
17	Optimal Energy Exchange Scheme for Energy Efficient Hybrid-Powered Communication Systems <b>2016,</b>		1
16	In-Network Data Reduction Approach Based on Smart Sensing <b>2016,</b>		1

15	Formal verification of energy consumption for an EEG monitoring wireless body area sensor network <b>2016</b> ,		1
14	AI-based techniques on edge devices to optimize energy efficiency in m-Health applications <b>2020</b> , 1-23		1
13	A Weighted Machine Learning-Based Attacks Classification to Alleviating Class Imbalance. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	1
12	Salt Generation for Hashing Schemes based on ECG readings for Emergency Access to Implantable Medical Devices <b>2018</b> ,		1
11	Reinforcement learning approaches for efficient and secure blockchain-powered smart health systems. <i>Computer Networks</i> , <b>2021</b> , 197, 108279	5.4	1
10	Multi-Agent Reinforcement Learning for Network Selection and Resource Allocation in Heterogeneous multi-RAT Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2022</b> , 1-1	6.6	1
9	FSC-Set: Counting, Localization of Football Supporters Crowd in the Stadiums. <i>IEEE Access</i> , <b>2022</b> , 10, 10445-10459	3.5	0
8	Energy-Aware Distributed Edge ML for mHealth Applications With Strict Latency Requirements. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	0
7	3-D Stochastic Geometry-based Modeling and Performance Analysis of Efficient Security Enhancement scheme for IoT Systems. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	0
6	QuicTor: Enhancing Tor for Real-Time Communication Using QUIC Transport Protocol. <i>IEEE Access</i> , <b>2021</b> , 9, 28769-28784	3.5	0
5	Video transcoding at the edge: cost and feasibility perspective. <i>Cluster Computing</i> , 1	2.1	0
4	BSG: Predictive Container Auto-Scaling for Cellular Evolved Packet Core. <i>IEEE Access</i> , <b>2021</b> , 9, 158204-158214		14
3	Channel Aware and Queue Aware Scheduling in LTE Uplink. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 116-127	0.2	
2	Evidence-Based Combination of Weighted Classifiers Approach for Epileptic Seizure Detection using EEG Signals. <i>International Journal of Knowledge Discovery in Bioinformatics</i> , <b>2012</b> , 3, 27-44		
1	Bayesian Network Based Heuristic for Energy Aware EEG Signal Classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 246-255	0.9	