

Muhammad Ali Imran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5720091/publications.pdf>

Version: 2024-02-01

533
papers

19,508
citations

19608

61
h-index

22764

112
g-index

563
all docs

563
docs citations

563
times ranked

15968
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview on smart contracts: Challenges, advances and platforms. Future Generation Computer Systems, 2020, 105, 475-491.	4.9	568
2	Internet-of-Things-Based Smart Cities: Recent Advances and Challenges. , 2017, 55, 16-24.		455
3	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. IEEE Wireless Communications, 2017, 24, 10-16.	6.6	442
4	The role of big data analytics in Internet of Things. Computer Networks, 2017, 129, 459-471.	3.2	439
5	A smart healthcare monitoring system for heart disease prediction based on ensemble deep learning and feature fusion. Information Fusion, 2020, 63, 208-222.	11.7	429
6	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2392-2431.	24.8	352
7	Software-Defined Industrial Internet of Things in the Context of Industry 4.0. IEEE Sensors Journal, 2016, , 1-1.	2.4	351
8	A Deep Learning-Based Framework for Automatic Brain Tumors Classification Using Transfer Learning. Circuits, Systems, and Signal Processing, 2020, 39, 757-775.	1.2	323
9	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. IEEE Wireless Communications, 2016, 23, 10-16.	6.6	315
10	5G for Vehicular Communications. , 2018, 56, 111-117.		272
11	Uplink non-orthogonal multiple access for 5G wireless networks. , 2014, , .		270
12	The Role of Edge Computing in Internet of Things. IEEE Communications Magazine, 2018, 56, 110-115.	4.9	260
13	Real-time big data processing for anomaly detection: A Survey. International Journal of Information Management, 2019, 45, 289-307.	10.5	245
14	Techno economic analysis of a wind-photovoltaic-biomass hybrid renewable energy system for rural electrification: A case study of Kallar Kahar. Energy, 2018, 148, 208-234.	4.5	242
15	A Blockchain-Based Solution for Enhancing Security and Privacy in Smart Factory. IEEE Transactions on Industrial Informatics, 2019, 15, 3652-3660.	7.2	242
16	The role of big data analytics in industrial Internet of Things. Future Generation Computer Systems, 2019, 99, 247-259.	4.9	234
17	A Deep Learning Model Based on Concatenation Approach for the Diagnosis of Brain Tumor. IEEE Access, 2020, 8, 55135-55144.	2.6	219
18	An intelligent healthcare monitoring framework using wearable sensors and social networking data. Future Generation Computer Systems, 2021, 114, 23-43.	4.9	215

#	ARTICLE	IF	CITATIONS
19	Deep learning and big data technologies for IoT security. Computer Communications, 2020, 151, 495-517.	3.1	209
20	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	24.8	208
21	Mobile Crowd Sensing for Traffic Prediction in Internet of Vehicles. Sensors, 2016, 16, 88.	2.1	200
22	Adaptive Transmission Optimization in SDN-Based Industrial Internet of Things With Edge Computing. IEEE Internet of Things Journal, 2018, 5, 1351-1360.	5.5	200
23	The rise of ransomware and emerging security challenges in the Internet of Things. Computer Networks, 2017, 129, 444-458.	3.2	197
24	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	2.6	193
25	A Scalable Multi-Layer PBFT Consensus for Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1146-1160.	4.0	184
26	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. IEEE Internet of Things Journal, 2019, 6, 5791-5802.	5.5	182
27	Big data analytics for preventive medicine. Neural Computing and Applications, 2020, 32, 4417-4451.	3.2	175
28	Big data analytics for manufacturing internet of things: opportunities, challenges and enabling technologies. Enterprise Information Systems, 2020, 14, 1279-1303.	3.3	169
29	A Hybrid Computing Solution and Resource Scheduling Strategy for Edge Computing in Smart Manufacturing. IEEE Transactions on Industrial Informatics, 2019, 15, 4225-4234.	7.2	155
30	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. IEEE Network, 2020, 34, 174-181.	4.9	155
31	Bringing Computation Closer toward the User Network: Is Edge Computing the Solution?. , 2017, 55, 138-144.		152
32	Security in Software-Defined Networking: Threats and Countermeasures. Mobile Networks and Applications, 2016, 21, 764-776.	2.2	147
33	Securing IoTs in distributed blockchain: Analysis, requirements and open issues. Future Generation Computer Systems, 2019, 100, 325-343.	4.9	144
34	Securing software defined networks: taxonomy, requirements, and open issues. , 2015, 53, 36-44.		143
35	Securing Smart Cities through Blockchain Technology: Architecture, Requirements, and Challenges. IEEE Network, 2020, 34, 8-14.	4.9	141
36	Transformer based Deep Intelligent Contextual Embedding for Twitter sentiment analysis. Future Generation Computer Systems, 2020, 113, 58-69.	4.9	139

#	ARTICLE	IF	CITATIONS
37	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. Computer Communications, 2020, 155, 66-83.	3.1	138
38	BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond. IEEE Internet of Things Journal, 2021, 8, 3915-3929.	5.5	138
39	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. IEEE Network, 2020, 34, 290-298.	4.9	136
40	Toward Dynamic Resources Management for IoT-Based Manufacturing. , 2018, 56, 52-59.		132
41	Perception layer security in Internet of Things. Future Generation Computer Systems, 2019, 100, 144-164.	4.9	131
42	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. IEEE Access, 2017, 5, 11540-11556.	2.6	126
43	Internet of Things (IoT) in 5G Wireless Communications. IEEE Access, 2016, 4, 10310-10314.	2.6	123
44	Efficient Brain Tumor Segmentation With Multiscale Two-Pathway-Group Conventional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1911-1919.	3.9	120
45	Radio Resource Management Scheme in NB-IoT Systems. IEEE Access, 2018, 6, 15051-15064.	2.6	115
46	Machine Learning Techniques for 5G and Beyond. IEEE Access, 2021, 9, 23472-23488.	2.6	111
47	iM-SIMPLE: iMproved stable increased-throughput multi-hop link efficient routing protocol for Wireless Body Area Networks. Computers in Human Behavior, 2015, 51, 1003-1011.	5.1	110
48	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. IEEE Internet of Things Journal, 2021, 8, 9549-9558.	5.5	109
49	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. Advanced Healthcare Materials, 2020, 9, e2000779.	3.9	107
50	Refining Parkinson's neurological disorder identification through deep transfer learning. Neural Computing and Applications, 2020, 32, 839-854.	3.2	105
51	Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494.	2.4	105
52	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. Sensors, 2020, 20, 2653.	2.1	104
53	Big Data Analytics in Industrial IoT Using a Concentric Computing Model. , 2018, 56, 37-43.		101
54	Traffic accident detection and condition analysis based on social networking data. Accident Analysis and Prevention, 2021, 151, 105973.	3.0	99

#	ARTICLE	IF	CITATIONS
55	Co-LAEEBA: Cooperative link aware and energy efficient protocol for wireless body area networks. Computers in Human Behavior, 2015, 51, 1205-1215.	5.1	97
56	Reconfigurable Smart Factory for Drug Packing in Healthcare Industry 4.0. IEEE Transactions on Industrial Informatics, 2019, 15, 507-516.	7.2	97
57	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges. , 2017, 55, 194-201.		92
58	Overcoming the Key Challenges to Establishing Vehicular Communication: Is SDN the Answer?. , 2017, 55, 128-134.		88
59	Mobile ad hoc cloud: A survey. Wireless Communications and Mobile Computing, 2016, 16, 2572-2589.	0.8	87
60	A survey of simulators, emulators and testbeds for wireless sensor networks. , 2010, , .		86
61	Blockchain for cloud exchange: A survey. Computers and Electrical Engineering, 2020, 81, 106526.	3.0	86
62	A Survey of Self-Interference Management Techniques for Single Frequency Full Duplex Systems. IEEE Access, 2018, 6, 30242-30268.	2.6	81
63	Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. IEEE Access, 2020, 8, 149854-149867.	2.6	81
64	Blockchain-Enabled Internet of Medical Things to Combat COVID-19. IEEE Internet of Things Magazine, 2020, 3, 52-57.	2.0	76
65	Localized motion-based connectivity restoration algorithms for wireless sensor and actor networks. Journal of Network and Computer Applications, 2012, 35, 844-856.	5.8	71
66	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. IEEE Access, 2018, 6, 41903-41920.	2.6	70
67	UAV-enabled healthcare architecture: Issues and challenges. Future Generation Computer Systems, 2019, 97, 425-432.	4.9	69
68	Performance Analysis of Different Types of Machine Learning Classifiers for Non-Technical Loss Detection. IEEE Access, 2020, 8, 16033-16048.	2.6	68
69	Have You Been a Victim of COVID-19-Related Cyber Incidents? Survey, Taxonomy, and Mitigation Strategies. IEEE Access, 2020, 8, 124134-124144.	2.6	67
70	Handwriting dynamics assessment using deep neural network for early identification of Parkinson's disease. Future Generation Computer Systems, 2021, 117, 234-244.	4.9	67
71	Cloud-assisted gamification for education and learning " Recent advances and challenges. Computers and Electrical Engineering, 2019, 74, 22-34.	3.0	66
72	Blending Big Data Analytics: Review on Challenges and a Recent Study. IEEE Access, 2020, 8, 3629-3645.	2.6	66

#	ARTICLE	IF	CITATIONS
73	Data-driven prognosis method using hybrid deep recurrent neural network. Applied Soft Computing Journal, 2020, 93, 106351.	4.1	66
74	Secure Authentication for Remote Patient Monitoring with Wireless Medical Sensor Networks. Sensors, 2016, 16, 424.	2.1	65
75	Exact String Matching Algorithms: Survey, Issues, and Future Research Directions. IEEE Access, 2019, 7, 69614-69637.	2.6	64
76	A Review of the State of the Art in Non-Contact Sensing for COVID-19. Sensors, 2020, 20, 5665.	2.1	64
77	Emergency Message Dissemination Schemes Based on Congestion Avoidance in VANET and Vehicular FoG Computing. IEEE Access, 2019, 7, 1570-1585.	2.6	63
78	Cloud Based Secure Service Providing for IoTs Using Blockchain. , 2019, , .		61
79	Delay and energy consumption analysis of priority guaranteed MAC protocol for wireless body area networks. Wireless Networks, 2017, 23, 1249-1266.	2.0	60
80	Co-EEORS: Cooperative Energy Efficient Optimal Relay Selection Protocol for Underwater Wireless Sensor Networks. IEEE Access, 2018, 6, 28777-28789.	2.6	60
81	Routing Schemes in FANETs: A Survey. Sensors, 2020, 20, 38.	2.1	60
82	An Enhanced Energy Balanced Data Transmission Protocol for Underwater Acoustic Sensor Networks. Sensors, 2016, 16, 487.	2.1	59
83	Blockchain-based data privacy management with Nudge theory in open banking. Future Generation Computer Systems, 2020, 110, 812-823.	4.9	58
84	Improving Cognitive Ability of Edge Intelligent IIoT through Machine Learning. IEEE Network, 2019, 33, 61-67.	4.9	57
85	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. IEEE Sensors Journal, 2020, 20, 2075-2083.	2.4	57
86	Mobile crowd sensing " Taxonomy, applications, challenges, and solutions. Computers in Human Behavior, 2019, 101, 352-370.	5.1	56
87	Investigating Smart Home Security: Is Blockchain the Answer?. IEEE Access, 2020, 8, 117802-117816.	2.6	55
88	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. Micromachines, 2021, 12, 322.	1.4	55
89	Efficient Data Gathering in 3D Linear Underwater Wireless Sensor Networks Using Sink Mobility. Sensors, 2016, 16, 404.	2.1	54
90	An Overview of Post-Disaster Emergency Communication Systems in the Future Networks. IEEE Wireless Communications, 2019, 26, 132-139.	6.6	54

#	ARTICLE	IF	CITATIONS
91	Extending the Technology Acceptance Model for Use of e-Learning Systems by Digital Learners. IEEE Access, 2018, 6, 73395-73404.	2.6	52
92	Securing Internet of Medical Things with Friendly-jamming schemes. Computer Communications, 2020, 160, 431-442.	3.1	51
93	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. IEEE Sensors Journal, 2021, 21, 9457-9464.	2.4	51
94	A Blockchain Model for Fair Data Sharing in Deregulated Smart Grids. , 2019, , .		50
95	SDN-Based Load Balancing Service for Cloud Servers. IEEE Communications Magazine, 2018, 56, 106-111.	4.9	49
96	A First Look at Privacy Analysis of COVID-19 Contact-Tracing Mobile Applications. IEEE Internet of Things Journal, 2021, 8, 15796-15806.	5.5	49
97	Lightweight Searchable Encryption Protocol for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 4248-4259.	7.2	49
98	Pervasive blood pressure monitoring using Photoplethysmogram (PPG) sensor. Future Generation Computer Systems, 2019, 98, 120-130.	4.9	48
99	A Reconfigurable Method for Intelligent Manufacturing Based on Industrial Cloud and Edge Intelligence. IEEE Internet of Things Journal, 2020, 7, 4248-4259.	5.5	48
100	Recent Advances and Challenges in Mobile Big Data. , 2018, 56, 102-108.		47
101	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. IEEE Wireless Communications, 2018, 25, 32-39.	6.6	47
102	Hybrid Deep Learning: An Efficient Reconnaissance and Surveillance Detection Mechanism in SDN. IEEE Access, 2020, 8, 134695-134706.	2.6	47
103	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. Sustainability, 2021, 13, 12506.	1.6	47
104	Performance analysis of reactive connectivity restoration algorithms for wireless sensor and actor networks. , 2013, , .		46
105	Blind Detection of Copy-Move Forgery in Digital Audio Forensics. IEEE Access, 2017, 5, 12843-12855.	2.6	45
106	Technology-Assisted Decision Support System for Efficient Water Utilization: A Real-Time Testbed for Irrigation Using Wireless Sensor Networks. IEEE Access, 2018, 6, 25686-25697.	2.6	45
107	Industrial Wastewater Management using Blockchain Technology: Architecture, Requirements, and Future Directions. IEEE Internet of Things Magazine, 2020, 3, 38-43.	2.0	45
108	Cloud robotics in Smart Manufacturing Environments: Challenges and countermeasures. Computers and Electrical Engineering, 2017, 63, 56-65.	3.0	44

#	ARTICLE	IF	CITATIONS
109	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4171-4182.	5.5	44
110	An energy-efficient distributed clustering algorithm for heterogeneous WSNs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015, 2015, .	1.5	43
111	Social-Aware Resource Allocation and Optimization for D2D Communication. <i>IEEE Wireless Communications</i> , 2017, 24, 122-129.	6.6	43
112	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. <i>Future Generation Computer Systems</i> , 2019, 92, 444-453.	4.9	43
113	Itâ€™s all about perceptions: A DEMATEL approach to exploring user perceptions of real estate online platforms. <i>Ain Shams Engineering Journal</i> , 2021, 12, 4297-4317.	3.5	43
114	A detection and prevention system against collaborative attacks in Mobile Ad hoc Networks. <i>Future Generation Computer Systems</i> , 2017, 68, 416-427.	4.9	42
115	Cloud-based smart manufacturing for personalized candy packing application. <i>Journal of Supercomputing</i> , 2018, 74, 4339-4357.	2.4	42
116	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. <i>Mobile Information Systems</i> , 2019, 2019, 1-12.	0.4	40
117	Service Provisioning Framework for RAN Slicing: User Admissibility, Slice Association and Bandwidth Allocation. <i>IEEE Transactions on Mobile Computing</i> , 2021, 20, 3409-3422.	3.9	40
118	An Application Development Framework for Internet-of-Things Service Orchestration. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4543-4556.	5.5	40
119	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. <i>IEEE Access</i> , 2020, 8, 67085-67099.	2.6	39
120	Ultra-Reliable Communications for Industrial Internet of Things: Design Considerations and Channel Modeling. <i>IEEE Network</i> , 2019, 33, 104-111.	4.9	38
121	Region based cooperative routing in underwater wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2017, 92, 31-41.	5.8	37
122	Characterizing the role of vehicular cloud computing in road traffic management. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771770872.	1.3	37
123	An investigation of the drivers of social commerce and e-word-of-mouth intentions: Elucidating the role of social commerce in E-business. <i>Electronic Markets</i> , 2021, 31, 181-195.	4.4	37
124	A Hybrid and Secure Priority-Guaranteed MAC Protocol for Wireless Body Area Network. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 481761.	1.3	36
125	On Connectivity of Wireless Sensor Networks with Directional Antennas. <i>Sensors</i> , 2017, 17, 134.	2.1	36
126	Congestion avoidance through fog computing in internet of vehicles. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 3863-3877.	3.3	36

#	ARTICLE	IF	CITATIONS
127	Flow-Aware Elephant Flow Detection for Software-Defined Networks. IEEE Access, 2020, 8, 72585-72597.	2.6	36
128	Resource Optimized Federated Learning-Enabled Cognitive Internet of Things for Smart Industries. IEEE Access, 2020, 8, 168854-168864.	2.6	36
129	Localized Algorithm for Segregation of Critical/Non-critical Nodes in Mobile Ad Hoc and Sensor Networks. Procedia Computer Science, 2013, 19, 1167-1172.	1.2	35
130	Heterogeneity-Aware Task Allocation in Mobile Ad Hoc Cloud. IEEE Access, 2017, 5, 1779-1795.	2.6	35
131	CRT-BloV: A Cognitive Radio Technique for Blockchain-Enabled Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4005-4015.	4.7	35
132	Cloudlet Computing: Recent Advances, Taxonomy, and Challenges. IEEE Access, 2021, 9, 29609-29622.	2.6	35
133	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. IEEE Transactions on Wireless Communications, 2017, 16, 1423-1436.	6.1	34
134	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. IEEE Access, 2019, 7, 137656-137667.	2.6	34
135	Privacy-Preserving Contact Tracing and Public Risk Assessment Using Blockchain for COVID-19 Pandemic. IEEE Internet of Things Magazine, 2020, 3, 58-63.	2.0	34
136	Software-defined networks for resource allocation in cloud computing: A survey. Computer Networks, 2021, 195, 108151.	3.2	34
137	Volunteer-instigated connectivity restoration algorithm for Wireless Sensor and Actor Networks. , 2010, , .		33
138	Energy Efficient Strategy for Throughput Improvement in Wireless Sensor Networks. Sensors, 2015, 15, 2473-2495.	2.1	33
139	Clustering-based real-time anomaly detection – A breakthrough in big data technologies. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3647.	2.6	33
140	Intelligent IoT Framework for Indoor Healthcare Monitoring of Parkinson's Disease Patient. IEEE Journal on Selected Areas in Communications, 2021, 39, 593-602.	9.7	33
141	The role of unmanned aerial vehicles and mmWave in 5G: Recent advances and challenges. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4241.	2.6	33
142	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. Future Internet, 2021, 13, 159.	2.4	33
143	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. IEEE Sensors Journal, 2021, 21, 17180-17188.	2.4	33
144	A techno-economic analysis for power generation through wind energy: A case study of Pakistan. Energy Reports, 2021, 7, 1424-1443.	2.5	33

#	ARTICLE	IF	CITATIONS
145	Formal Specification and Validation of a Hybrid Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. <i>Sensors</i> , 2012, 12, 11754-11781.	2.1	32
146	Chain-Based Communication in Cylindrical Underwater Wireless Sensor Networks. <i>Sensors</i> , 2015, 15, 3625-3649.	2.1	32
147	An Efficient Method for Complex Antenna Design Based on a Self Adaptive Surrogate Model-Assisted Optimization Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 2302-2315.	3.1	32
148	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. <i>Pervasive and Mobile Computing</i> , 2021, 75, 101434.	2.1	32
149	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. <i>IEEE Access</i> , 2018, 6, 16610-16622.	2.6	31
150	VANETâ€™s LTE based heterogeneous vehicular clustering for driving assistance and route planning applications. <i>Computer Networks</i> , 2018, 145, 128-140.	3.2	30
151	Cell Fault Management Using Machine Learning Techniques. <i>IEEE Access</i> , 2019, 7, 124514-124539.	2.6	30
152	Network slicing: a next generation 5G perspective. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2021, 2021, .	1.5	30
153	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 193-204.	2.4	30
154	Formal verification and validation of a movement control actor relocation algorithm for safetyâ€™critical applications. <i>Wireless Networks</i> , 2016, 22, 247-265.	2.0	29
155	Managing big RDF data in clouds: Challenges, opportunities, and solutions. <i>Sustainable Cities and Society</i> , 2018, 39, 375-386.	5.1	29
156	Randomized nonlinear one-class support vector machines with bounded loss function to detect of outliers for large scale IoT data. <i>Future Generation Computer Systems</i> , 2020, 112, 715-723.	4.9	29
157	UAV-enabled data acquisition scheme with directional wireless energy transfer for Internet of Things. <i>Computer Communications</i> , 2020, 155, 184-196.	3.1	29
158	Performance analysis of machine learning classifiers for non-technical loss detection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 15327-15342.	3.3	29
159	Partitioning Detection and Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. , 2010, , .		28
160	On energy efficiency in underwater wireless sensor networks with cooperative routing. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 173-188.	1.6	28
161	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. <i>IEEE Access</i> , 2019, 7, 70811-70827.	2.6	28
162	On the Viable Area of Wireless Practical Byzantine Fault Tolerance (PBFT) Blockchain Networks. , 2019, , .		28

#	ARTICLE	IF	CITATIONS
163	Modeling mobility and psychological stress based human postural changes in wireless body area networks. <i>Computers in Human Behavior</i> , 2015, 51, 1042-1053.	5.1	27
164	A zero-watermarking algorithm for privacy protection in biomedical signals. <i>Future Generation Computer Systems</i> , 2018, 82, 290-303.	4.9	27
165	A novel countermeasure technique for reactive jamming attack in internet of things. <i>Multimedia Tools and Applications</i> , 2019, 78, 29899-29920.	2.6	27
166	CNN and GRU based Deep Neural Network for Electricity Theft Detection to Secure Smart Grid. , 2020, , .		27
167	Establishing effective communications in disaster affected areas and artificial intelligence based detection using social media platform. <i>Future Generation Computer Systems</i> , 2020, 112, 1057-1069.	4.9	27
168	Low-Dimensional Subspace Estimation of Continuous-Doppler-Spread Channel in OTFS Systems. <i>IEEE Transactions on Communications</i> , 2021, 69, 4717-4731.	4.9	27
169	A smart healthcare framework for detection and monitoring of COVID-19 using IoT and cloud computing. <i>Neural Computing and Applications</i> , 2023, 35, 13775-13789.	3.2	27
170	Implementing Partitioning Detection and Connectivity Restoration in WSN Using VDM-SL. , 2015, , .		26
171	BEC: A novel routing protocol for balanced energy consumption in Wireless Body Area Networks. , 2015, , .		26
172	Security Risk Assessment for 5G Networks: National Perspective. <i>IEEE Wireless Communications</i> , 2020, 27, 16-22.	6.6	26
173	Analysis of Detection Features for Wormhole Attacks in MANETs. <i>Procedia Computer Science</i> , 2015, 56, 384-390.	1.2	25
174	Process state synchronization-based application execution management for mobile edge/cloud computing. <i>Future Generation Computer Systems</i> , 2019, 91, 579-589.	4.9	25
175	Big data management in participatory sensing: Issues, trends and future directions. <i>Future Generation Computer Systems</i> , 2020, 107, 942-955.	4.9	25
176	Model Compression for IoT Applications in Industry 4.0 via Multiscale Knowledge Transfer. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6013-6022.	7.2	25
177	Formal Specification and Validation of a Localized Algorithm for Segregation of Critical/Noncritical Nodes in MAHSNs. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 140973.	1.3	25
178	Channel Clustering and QoS Level Identification Scheme for Multi-Channel Cognitive Radio Networks. <i>IEEE Communications Magazine</i> , 2018, 56, 164-171.	4.9	24
179	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , 2020, 20, 4891-4900.	2.4	24
180	Grand Challenges in IoT and Sensor Networks. <i>Frontiers in Communications and Networks</i> , 2020, 1, .	1.9	24

#	ARTICLE	IF	CITATIONS
181	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. <i>Energies</i> , 2021, 14, 5408.	1.6	24
182	Intelligent energy prediction techniques for fog computing networks. <i>Applied Soft Computing Journal</i> , 2021, 111, 107682.	4.1	24
183	Bio-Inspired Network Security for 5G-Enabled IoT Applications. <i>IEEE Access</i> , 2020, 8, 229152-229160.	2.6	24
184	An Efficient Network Intrusion Detection and Classification System. <i>Mathematics</i> , 2022, 10, 530.	1.1	24
185	Internet of Vehicles for E-Health Applications: A Potential Game for Optimal Network Capacity. <i>IEEE Systems Journal</i> , 2017, 11, 1888-1896.	2.9	23
186	A Multivariant Stream Analysis Approach to Detect and Mitigate DDoS Attacks in Vehicular Ad Hoc Networks. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-13.	0.8	23
187	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinson's Leveraging 5G Spectrum with Deep Learning. <i>Electronics (Switzerland)</i> , 2019, 8, 1433.	1.8	23
188	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leptnik Maps. <i>IEEE Sensors Journal</i> , 2021, 21, 3669-3679.	2.4	23
189	Making assembly line in supply chain robust and secure using UHF RFID. <i>Scientific Reports</i> , 2021, 11, 18041.	1.6	23
190	Resource efficient connectivity restoration algorithm for mobile sensor/actor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, .	1.5	22
191	Automatic Gender Detection Based on Characteristics of Vocal Folds for Mobile Healthcare System. <i>Mobile Information Systems</i> , 2016, 2016, 1-12.	0.4	22
192	5G-enabled contactless multi-user presence and activity detection for independent assisted living. <i>Scientific Reports</i> , 2021, 11, 17590.	1.6	22
193	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. <i>IEEE Access</i> , 2019, 7, 180898-180909.	2.6	21
194	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9664-9671.	5.5	21
195	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. <i>Sensors</i> , 2021, 21, 5284.	2.1	21
196	Formalizing Mobile Ad Hoc and Sensor Networks Using VDM-SL. <i>Procedia Computer Science</i> , 2015, 63, 148-153.	1.2	20
197	Hardware Complexity Reduction in Universal Filtered Multicarrier Transmitter Implementation. <i>IEEE Access</i> , 2017, 5, 13401-13408.	2.6	20
198	Chaos-based robust method of zero-watermarking for medical signals. <i>Future Generation Computer Systems</i> , 2018, 88, 400-412.	4.9	20

#	ARTICLE	IF	CITATIONS
199	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. IEEE Sensors Journal, 2020, 20, 3005-3015.	2.4	20
200	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications. , 2020, , .		20
201	Mixed-Numerology Signals Transmission and Interference Cancellation for Radio Access Network Slicing. IEEE Transactions on Wireless Communications, 2020, 19, 5132-5147.	6.1	20
202	Wireless Channel Modelling for Identifying Six Types of Respiratory Patterns With SDR Sensing and Deep Multilayer Perceptron. IEEE Sensors Journal, 2021, 21, 20833-20840.	2.4	20
203	Assessing Nitrate Contamination Risks in Groundwater: A Machine Learning Approach. Applied Sciences (Switzerland), 2021, 11, 10034.	1.3	20
204	Automated methods for diagnosis of Parkinsonâ€™s disease and predicting severity level. Neural Computing and Applications, 2023, 35, 14499-14534.	3.2	20
205	An Automatic Digital Audio Authentication/Forensics System. IEEE Access, 2017, 5, 2994-3007.	2.6	19
206	Energy Efficiency Perspectives of Femtocells in Internet of Things: Recent Advances and Challenges. IEEE Access, 2017, 5, 26808-26818.	2.6	19
207	A Secure Occupational Therapy Framework for Monitoring Cancer Patientsâ€™ Quality of Life. Sensors, 2019, 19, 5258.	2.1	19
208	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. IEEE Sensors Journal, 2021, 21, 5111-5118.	2.4	19
209	Sink mobility aware energy-efficient network integrated super heterogeneous protocol for WSNs. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	18
210	Rate-Latency Optimization for NB-IoT With Adaptive Resource Unit Configuration in Uplink Transmission. IEEE Systems Journal, 2021, 15, 265-276.	2.9	18
211	Using social media for sub-event detection during disasters. Journal of Big Data, 2021, 8, .	6.9	18
212	Notice of Retraction: Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. IEEE Sensors Journal, 2021, 21, 19395-19406.	2.4	18
213	An intelligent and efficient network intrusion detection system using deep learning. Computers and Electrical Engineering, 2022, 99, 107764.	3.0	18
214	A Weighted Linear Combining Scheme for Cooperative Spectrum Sensing. Procedia Computer Science, 2014, 32, 149-157.	1.2	17
215	An improved mechanism for flow rule installation in-band SDN. Journal of Systems Architecture, 2019, 96, 1-19.	2.5	17
216	A lightweight cyber security framework with context-awareness for pervasive computing environments. Sustainable Cities and Society, 2021, 66, 102610.	5.1	17

#	ARTICLE	IF	CITATIONS
217	Advertising through UAVs: Optimized path system for delivering smart real-estate advertisement materials. International Journal of Intelligent Systems, 2021, 36, 3429-3463.	3.3	17
218	Network Slicing for Beyond 5G Systems: An Overview of the Smart Port Use Case. Electronics (Switzerland), 2021, 10, 1090.	1.8	17
219	A Novel Collaborative IoD-Assisted VANET Approach for Coverage Area Maximization. IEEE Access, 2021, 9, 61211-61223.	2.6	17
220	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. IEEE Access, 2021, 9, 166962-166969.	2.6	17
221	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. Sensors, 2022, 22, 2688.	2.1	17
222	Fortifying Intrusion Detection Systems in Dynamic Ad Hoc and Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 608162.	1.3	16
223	A Lightweight Key Freshness Scheme for Wireless Sensor Networks. , 2015, , .		16
224	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. IEEE Access, 2018, 6, 9655-9666.	2.6	16
225	Minimizing Wireless Resource Consumption for Packetized Predictive Control in Real-Time Cyber Physical Systems. , 2018, , .		16
226	Protection of records and data authentication based on secret shares and watermarking. Future Generation Computer Systems, 2019, 98, 331-341.	4.9	16
227	Secure and efficient data delivery for fog-assisted wireless body area networks. Peer-to-Peer Networking and Applications, 2019, 12, 1289-1307.	2.6	16
228	A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. IEEE Transactions on Vehicular Technology, 2020, 69, 2659-2670.	3.9	16
229	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems. , 2020, , .		16
230	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. Electronics (Switzerland), 2021, 10, 2563.	1.8	16
231	Comparative Analysis of Classifiers for Developing an Adaptive Computer-Assisted EEG Analysis System for Diagnosing Epilepsy. BioMed Research International, 2015, 2015, 1-14.	0.9	15
232	Enabling Mobile and Wireless Technologies for Smart Cities. , 2017, 55, 74-75.		15
233	Process state synchronization for mobility support in mobile cloud computing. , 2017, , .		15
234	Spectrum Efficient MIMO-FBMC System Using Filter Output Truncation. IEEE Transactions on Vehicular Technology, 2018, 67, 2367-2381.	3.9	15

#	ARTICLE	IF	CITATIONS
235	Deep Deterministic Learning for Pattern Recognition of Different Cardiac Diseases through the Internet of Medical Things. <i>Journal of Medical Systems</i> , 2018, 42, 252.	2.2	15
236	User Access Control and Bandwidth Allocation for Slice-Based 5G-and-Beyond Radio Access Networks. , 2019, , .		15
237	A Fog-Centric Secure Cloud Storage Scheme. <i>IEEE Transactions on Sustainable Computing</i> , 2022, 7, 250-262.	2.2	15
238	Programmable Wireless Channel for Multi-User MIMO Transmission Using Meta-Surface. , 2019, , .		15
239	A multiband circular polarization selective metasurface for microwave applications. <i>Scientific Reports</i> , 2021, 11, 1774.	1.6	15
240	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. <i>IEEE Access</i> , 2021, 9, 20868-20877.	2.6	15
241	DSM: Dynamic Sink Mobility Equipped DBR for Underwater WSNs. <i>Procedia Computer Science</i> , 2015, 52, 560-567.	1.2	14
242	Incremental Relay Based Cooperative Communication in Wireless Body Area Networks. <i>Procedia Computer Science</i> , 2015, 52, 552-559.	1.2	14
243	A Survey of Home Energy Management for Residential Customers. , 2015, , .		14
244	Hadoop Based Real-Time Intrusion Detection for High-Speed Networks. , 2016, , .		14
245	Value-Based Caching in Information-Centric Wireless Body Area Networks. <i>Sensors</i> , 2017, 17, 181.	2.1	14
246	Performance Analysis of Priority-Based IEEE 802.15.6 Protocol in Saturated Traffic Conditions. <i>IEEE Access</i> , 2018, 6, 66198-66209.	2.6	14
247	Congestion Control in Wireless Sensor Networks based on Support Vector Machine, Grey Wolf Optimization and Differential Evolution. , 2019, , .		14
248	Backhaul Aware User-Specific Cell Association Using Q-Learning. <i>IEEE Transactions on Wireless Communications</i> , 2019, 18, 3528-3541.	6.1	14
249	A Cooperative Heterogeneous Vehicular Clustering Mechanism for Road Traffic Management. <i>International Journal of Parallel Programming</i> , 2020, 48, 870-889.	1.1	14
250	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. <i>Sensors</i> , 2020, 20, 2629.	2.1	14
251	A Cooperative Massive MIMO System for Future <i>In Vivo</i> Nanonetworks. <i>IEEE Systems Journal</i> , 2021, 15, 331-337.	2.9	14
252	Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 832-845.	3.5	14

#	ARTICLE	IF	CITATIONS
253	Blockchain-Empowered Edge Intelligence for Internet of Medical Things Against COVID-19. IEEE Internet of Things Magazine, 2021, 4, 34-39.	2.0	14
254	Machine learning for 5G security: Architecture, recent advances, and challenges. Ad Hoc Networks, 2021, 123, 102667.	3.4	14
255	A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. IEEE Access, 2020, 8, 225935-225944.	2.6	14
256	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. Applied Sciences (Switzerland), 2022, 12, 3665.	1.3	14
257	Wireless Resource Management in Intelligent Semantic Communication Networks. , 2022, , .		14
258	A Dispersed Federated Learning Framework for 6G-Enabled Autonomous Driving Cars. IEEE Transactions on Network Science and Engineering, 2024, , 1-12.	4.1	14
259	Impact of Massive MIMO systems on future M2M communication. , 2013, , .		13
260	Extended Gradient RSSI Predictor and Filter for Signal Prediction and Filtering in Communication Holes. Wireless Personal Communications, 2015, 83, 297-314.	1.8	13
261	Q-Learning for energy balancing and avoiding the void hole routing protocol in underwater sensor networks. , 2018, , .		13
262	Sub-Graph Based Joint Sparse Graph for Sparse Code Multiple Access Systems. IEEE Access, 2018, 6, 25066-25080.	2.6	13
263	IoT for 5G/B5G Applications in Smart Homes, Smart Cities, Wearables and Connected Cars. , 2019, , .		13
264	An efficient caching policy for content retrieval in autonomous connected vehicles. Transportation Research, Part A: Policy and Practice, 2020, 140, 142-152.	2.0	13
265	Compact Elliptical UWB Antenna for Underwater Wireless Communications. Micromachines, 2021, 12, 411.	1.4	13
266	Joint Communication and Control for mmWave/THz Beam Alignment in V2X Networks. IEEE Internet of Things Journal, 2022, 9, 11203-11213.	5.5	13
267	Application-centric recovery algorithm for wireless sensor and actor networks. International Journal of Communication Networks and Distributed Systems, 2013, 10, 379.	0.3	12
268	A Near-Optimal LLR Based Cooperative Spectrum Sensing Scheme for CRAHNS. IEEE Transactions on Wireless Communications, 2015, 14, 3877-3887.	6.1	12
269	An Advanced Energy Consumption Model for terrestrial Wireless Sensor Networks. , 2016, , .		12
270	Green industrial networking: recent advances, taxonomy, and open research challenges. , 2016, 54, 38-45.		12

#	ARTICLE	IF	CITATIONS
271	Dual Sink Efficient Balanced Energy Technique for Underwater Acoustic Sensor Networks. , 2016, , .		12
272	Employing antenna selection to improve energy efficiency in massive MIMO systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3212.	2.6	12
273	Self-Aware Autonomous City: From Sensing to Planning. IEEE Communications Magazine, 2019, 57, 33-39.	4.9	12
274	A blockchain-based decentralized energy management in a P2P trading system. , 2020, , .		12
275	Blockchain-Empowered Federated Learning Approach for an Intelligent and Reliable D2D Caching Scheme. IEEE Internet of Things Journal, 2022, 9, 7879-7890.	5.5	12
276	A cooperative crowdsensing system based on flying and ground vehicles to control respiratory viral disease outbreaks. Ad Hoc Networks, 2022, 124, 102699.	3.4	12
277	An adaptive and efficient buffer management scheme for resource-constrained delay tolerant networks. Wireless Networks, 2016, 22, 2189-2201.	2.0	11
278	Big data analytics of geosocial media for planning and real-time decisions. , 2017, , .		11
279	Enhancing Quality-of-Service Conditions Using a Cross-Layer Paradigm for Ad-Hoc Vehicular Communication. IEEE Access, 2017, 5, 12404-12416.	2.6	11
280	Performance Analysis and Optimization of DCT-Based Multicarrier System on Frequency-Selective Fading Channels. IEEE Access, 2018, 6, 13075-13089.	2.6	11
281	Narrowband-Internet of Things (NB-IoT): Performance Evaluation in 5G Heterogeneous Wireless Networks. , 2019, , .		11
282	Novel One Time Signatures (NOTS): A Compact Post-Quantum Digital Signature Scheme. IEEE Access, 2020, 8, 15895-15906.	2.6	11
283	ROCA: Auto-resolving overlapping and conflicts in Access Control List policies for Software Defined Networking. International Journal of Communication Systems, 2021, 34, e4815.	1.6	11
284	Feasibility study of 28GHz and 38GHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. Physical Communication, 2021, 47, 101401.	1.2	11
285	Application-Centric Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. Lecture Notes in Computer Science, 2011, , 243-253.	1.0	11
286	Wearable Metamaterial Dual-Polarized High Isolation UWB MIMO Vivaldi Antenna for 5G and Satellite Communications. Micromachines, 2021, 12, 1559.	1.4	11
287	A novel wireless sensor and actor network framework for autonomous monitoring and maintenance of lifeline infrastructures. , 2012, , .		10
288	Interference Aware Inverse EEDBR protocol for Underwater WSNs. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
289	A multi-hop angular routing protocol for wireless sensor networks. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666294.	1.3	10
290	Buffer size and link quality based cooperative relay selection in wireless networks. , 2017, , .		10
291	A Quantitative Risk Assessment Model Involving Frequency and Threat Degree under Line-of-Business Services for Infrastructure of Emerging Sensor Networks. Sensors, 2017, 17, 642.	2.1	10
292	Cell Coverage Degradation Detection Using Deep Learning Techniques. , 2018, , .		10
293	A privacyâ€preserving framework for smart contextâ€aware healthcare applications. Transactions on Emerging Telecommunications Technologies, 2019, , e3634.	2.6	10
294	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks. , 2019, , .		10
295	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. Signals, 2020, 1, 170-187.	1.2	10
296	DRXâ€based energyâ€efficient supervised machine learning algorithm for mobile communication networks. IET Communications, 2021, 15, 1000-1013.	1.5	10
297	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. Micromachines, 2021, 12, 250.	1.4	10
298	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. Micromachines, 2021, 12, 647.	1.4	10
299	Friendly-jamming schemes to secure ultra-reliable and low-latency communications in 5G and beyond communications. Computer Standards and Interfaces, 2021, 78, 103540.	3.8	10
300	Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. Journal of Sensor and Actuator Networks, 2021, 10, 63.	2.3	10
301	Automatic Modulation Classification for Low SNR Digital Signal in Frequency-Selective Fading Environments. Wireless Personal Communications, 2015, 84, 1891-1906.	1.8	9
302	A Critical Analysis of Mobility Management Related Issues of Wireless Sensor Networks in Cyber Physical Systems. IEEE Access, 2018, 6, 16363-16376.	2.6	9
303	Dynamic Wireless QoS Analysis for Real-Time Control in URLLC. , 2018, , .		9
304	Terahertz Sensing for Fruit Spoilage Monitoring. , 2019, , .		9
305	Extension of MIH for FPMIPv6 (EMIH-FPMIPv6) to support optimized heterogeneous handover. Future Generation Computer Systems, 2019, 97, 775-791.	4.9	9
306	A microservice recommendation mechanism based on mobile architecture. Journal of Network and Computer Applications, 2020, 152, 102510.	5.8	9

#	ARTICLE	IF	CITATIONS
307	Artificial noise aided scheme to secure UAV-assisted Internet of Things with wireless power transfer. Computer Communications, 2020, 164, 1-12.	3.1	9
308	Efficient Data Trading and Storage in Internet of Vehicles using Consortium Blockchain. , 2020, , .		9
309	Electricity Theft Detection using Pipeline in Machine Learning. , 2020, , .		9
310	Flexible and Scalable Software Defined Radio Based Testbed for Large Scale Body Movement. Electronics (Switzerland), 2020, 9, 1354.	1.8	9
311	Formal Modeling and Verification of a Blockchain-Based Crowdsourcing Consensus Protocol. IEEE Access, 2022, 10, 8163-8183.	2.6	9
312	Data Evolution Governance for Ontology-Based Digital Twin Product Lifecycle Management. IEEE Transactions on Industrial Informatics, 2023, 19, 1791-1802.	7.2	9
313	iA-MAC: Improved Adaptive Medium Access Control protocol for Wireless Body Area Networks. , 2014, , .		8
314	A novel mechanism for restoring actor connected coverage in wireless sensor and actor networks. , 2015, , .		8
315	A novel framework for G/M/1 queuing system based on scheduling-cum-polling mechanism to analyze multiple classes of self-similar and LRD traffic. Wireless Networks, 2016, 22, 1269-1284.	2.0	8
316	Enabling Mobile and Wireless Technologies for Smart Cities: Part 2. , 2017, 55, 12-13.		8
317	IEEE Access Special Section Editorial: Health Informatics for the Developing World. IEEE Access, 2017, 5, 27818-27823.	2.6	8
318	Narrowband Internet of Things (NB-IoT) and LTE Systems Co-Existence Analysis. , 2018, , .		8
319	On the PAPR Reduction: A Novel Filtering Based Hadamard Transform Precoded Uplink MC-NOMA Scheme for 5G Cellular Networks. , 2018, , .		8
320	FPGA Implementation of UFMC Based Baseband Transmitter: Case Study for LTE 10MHz Channelization. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	8
321	A Systematic Review of Project Allocation Methods in Undergraduate Transnational Engineering Education. Education Sciences, 2019, 9, 258.	1.4	8
322	Design and Characterization of T/R Module for Commercial Beamforming Applications. IEEE Access, 2020, 8, 130252-130262.	2.6	8
323	Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model. Electronics (Switzerland), 2020, 9, 2175.	1.8	8
324	An intelligent content caching protocol for connected vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4231.	2.6	8

#	ARTICLE	IF	CITATIONS
325	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. Electronics (Switzerland), 2021, 10, 1603.	1.8	8
326	Treating Class Imbalance in Non-Technical Loss Detection: An Exploratory Analysis of a Real Dataset. IEEE Access, 2021, 9, 98928-98938.	2.6	8
327	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185.	3.5	8
328	Non-Invasive Localization Using Software-Defined Radios. IEEE Sensors Journal, 2022, 22, 9018-9026.	2.4	8
329	AAERP: Advanced AUV-Aided Energy Efficient Routing Protocol for Underwater WSNs. , 2015, , .		7
330	A Fatigue Measuring Protocol for Wireless Body Area Sensor Networks. Journal of Medical Systems, 2015, 39, 193.	2.2	7
331	Depth-Based Energy-Balanced Hybrid Routing Protocol for Underwater WSNs. , 2015, , .		7
332	Electromagnetic Emission-Aware Scheduling for the Uplink of Multicell OFDM Wireless Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8212-8222.	3.9	7
333	Exploiting Energy Efficient Routing protocols for Void Hole Alleviation in IoT enabled Underwater WSN. , 2019, , .		7
334	Impact of Node Deployment and Routing for Protection of Critical Infrastructures. IEEE Access, 2019, 7, 11502-11514.	2.6	7
335	Reinforcement Learning driven Energy Efficient Mobile Communication and Applications. , 2019, , .		7
336	Cognitive Sensors Based on Ridge Phase-Smoothing Localization and Multiregional Histograms of Oriented Gradients. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 123-134.	3.2	7
337	An analysis of the application of fuzzy logic in cloud computing. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5933-5947.	0.8	7
338	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. IEEE Access, 2020, 8, 50780-50791.	2.6	7
339	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamformer in High Speed Rail Like Scenario. IEEE Sensors Journal, 2021, 21, 15775-15783.	2.4	7
340	An IoT-based smart healthcare system to detect dysphonia. Neural Computing and Applications, 2022, 34, 11255-11265.	3.2	7
341	Hybrid Beamforming with Fixed Phase Shifters for Uplink Cell-Free Millimetre-Wave Massive MIMO Systems. , 2021, , .		7
342	A policy-based solution for the detection of colluding GPS-Spoofing attacks in FANETs. Transportation Research, Part A: Policy and Practice, 2021, 149, 300-318.	2.0	7

#	ARTICLE	IF	CITATIONS
343	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. <i>Sensors</i> , 2021, 21, 4933.	2.1	7
344	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy System—An NHS Hospital Case Study. <i>Energies</i> , 2021, 14, 7084.	1.6	7
345	Towards Optimal Fault Tolerant Scheduling in Computational Grid. , 2007, , .		6
346	A Log-likelihood based Cooperative Spectrum Sensing Scheme for Cognitive Radio Networks. <i>Procedia Computer Science</i> , 2014, 37, 196-202.	1.2	6
347	Depth-Based Energy-Balanced Hybrid Routing Protocol for Underwater WSNs. , 2015, , .		6
348	Balanced Energy Efficient Rectangular routing protocol for Underwater Wireless Sensor Networks. , 2017, , .		6
349	A Novel Load-Balancing Scheme for Cellular-WLAN Heterogeneous Systems With a Cell-Breathing Technique. <i>IEEE Systems Journal</i> , 2018, 12, 2094-2105.	2.9	6
350	Fog-assisted Congestion Avoidance Scheme for Internet of Vehicles. , 2018, , .		6
351	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. <i>IEEE Access</i> , 2018, 6, 67338-67359.	2.6	6
352	Error Probability Analysis of Non-Orthogonal Multiple Access for Relaying Networks with Residual Hardware Impairments. , 2019, , .		6
353	Evaluation of ultra-wideband in vivo radio channel and its effects on system performance. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019, 30, e3530.	2.6	6
354	Secure Energy Trading for Electric Vehicles using Consortium Blockchain and k-Nearest Neighbor. , 2020, , .		6
355	Blockchain-enabled Wireless IoT Networks with Multiple Communication Connections. , 2020, , .		6
356	Digital Hadith authentication: Recent advances, open challenges, and future directions. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e3977.	2.6	6
357	Impact of Feature Selection on Non-technical Loss Detection. , 2020, , .		6
358	Secure big data ecosystem architecture: challenges and solutions. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2021, 2021, .	1.5	6
359	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 1279.	1.8	6
360	Detection and Prevention of Black Hole Attacks in Mobile Ad hoc Networks. <i>Lecture Notes in Computer Science</i> , 2015, , 111-122.	1.0	6

#	ARTICLE	IF	CITATIONS
361	Improving the Security in Healthcare Information System Through Elman Neural Network Based Classifier. Journal of Medical Imaging and Health Informatics, 2017, 7, 1429-1435.	0.2	6
362	Collisionless Fast Pattern Formation Mechanism for Dynamic Number of UAVs. , 2020, , .		6
363	Efficient Channel Equalization and Symbol Detection for MIMO OTFS Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6672-6686.	6.1	6
364	EXECUTE: Exploring Eye Tracking to Support E-learning. , 2022, , .		6
365	Modeling induction and routing to monitor hospitalized patients in multi-hop mobility-aware body area sensor networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	5
366	Coverage analysis in the uplink of mmWave cellular networks. , 2017, , .		5
367	Performance analysis of a buffer-aided incremental relaying in cooperative wireless network. , 2017, , .		5
368	A simple security policy enforcement system for an institution using SDN controller. , 2018, , .		5
369	Dynamic QoS Allocation for Real-Time Wireless Control in Tactile Internet. , 2018, , .		5
370	Software-Defined Industrial Internet of Things. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	0.8	5
371	Countering Statistical Attacks in Cloud-Based Searchable Encryption. International Journal of Parallel Programming, 2020, 48, 470-495.	1.1	5
372	An Incentive Scheme for VANETs based on Traffic Event Validation using Blockchain. , 2020, , .		5
373	Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning. , 2020, , .		5
374	Age of Information for Actuation Update in Real-Time Wireless Control Systems. , 2020, , .		5
375	Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1.	2.7	5
376	Detection of impostor and tampered segments in audio by using an intelligent system. Computers and Electrical Engineering, 2021, 91, 107122.	3.0	5
377	Ground-to-UAV Communication Network: Stochastic Geometry-based Performance Analysis. , 2021, , .		5
378	A multifunctional ultrathin flexible bianisotropic metasurface with miniaturized cell size. Scientific Reports, 2021, 11, 18426.	1.6	5

#	ARTICLE	IF	CITATIONS
379	Impact of Inter-Gateway Distance on LoRaWAN Performance. <i>Electronics (Switzerland)</i> , 2021, 10, 2197.	1.8	5
380	Secure Key Distribution Using Fragmentation and Assimilation in Wireless Sensor and Actor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 542856.	1.3	5
381	Internet of Things (IoT) for Healthcare Application. , 2020, , .		5
382	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach. <i>PLoS ONE</i> , 2020, 15, e0242613.	1.1	5
383	Aerial Base Station Assisted Cellular Communication: Performance and Trade-Off. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 2765-2779.	4.1	5
384	A Covariance Matrix Reconstruction Approach for Single Snapshot Direction of Arrival Estimation. <i>Sensors</i> , 2022, 22, 3096.	2.1	5
385	Component Based Proactive Fault Tolerant Scheduling in Computational Grid. , 2007, , .		4
386	Efficient movement control actor relocation for honing connected coverage in wireless sensor and actor networks. , 2012, , .		4
387	Design and Analysis of an Efficient Energy Algorithm in Wireless Social Sensor Networks. <i>Sensors</i> , 2017, 17, 2166.	2.1	4
388	A reconfigurable scatternet formation and maintenance scheme with heterogeneous services for smart Bluetooth devices. <i>Sustainable Cities and Society</i> , 2018, 40, 589-599.	5.1	4
389	Buffer Occupancy Based Link Prioritization for Cooperative Wireless Networks. , 2018, , .		4
390	Intracell Interference Characterization and Cluster Interference for D2D Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 8536-8548.	3.9	4
391	A hybrid precoding and filtering based uplink MC-NOMA scheme for 5G cellular networks with reduced PAPR. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018, 29, e3501.	2.6	4
392	An Efficient Routing Protocol via Depth Adjustment and Energy Gradation in Underwater Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 201-211.	0.5	4
393	A Blockchain based Privacy-Preserving System for Electric Vehicles through Local Communication. , 2020, , .		4
394	DE-RUSBoost: An Efficient Electricity Theft Detection Scheme with Additive Communication Layer. , 2020, , .		4
395	Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks. , 2020, , .		4
396	Towards a Low Complexity Scheme for Medical Images in Scalable Video Coding. <i>IEEE Access</i> , 2020, 8, 41439-41451.	2.6	4

#	ARTICLE	IF	CITATIONS
397	Wind-to-Hydrogen Production Potential for Selected Sites in Pakistan. IEEE Access, 2021, , 1-1.	2.6	4
398	Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging. , 2020, , .		4
399	Design and Implementation of a Contactless AI-enabled Human Motion Detection System for Next-Generation Healthcare. , 2021, , .		4
400	Security Analysis of Sharding in the Blockchain System. , 2021, , .		4
401	Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. Electronics (Switzerland), 2021, 10, 2468.	1.8	4
402	Software Defined Radio Based Testbed for Large Scale Body Movements. , 2020, , .		4
403	Joint Precoding and Pre-Equalization for Faster-Than-Nyquist Transmission Over Multipath Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 3948-3963.	3.9	4
404	Extracting built-up areas from spectro-textural information using machine learning. Soft Computing, 0, , 1.	2.1	4
405	2.75-Bit Reflecting Unit Cell Design for Reconfigurable Intelligent Surfaces. , 2021, , .		4
406	Performance Analysis of Wireless Practical Byzantine Fault Tolerance Networks Using IEEE 802.11. , 2021, , .		4
407	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions. Sensors, 2022, 22, 3329.	2.1	4
408	Formal verification of persistence and liveness in the trust-based blockchain crowdsourcing consensus protocol. Computer Communications, 2022, 192, 384-401.	3.1	4
409	Design of a 60 GHz Microstrip Antenna for Multi-Gigabit Industrial Communication in Viewpoint of Industry 4.0. , 2022, , .		4
410	Performance analysis of Automatic Modulation Classification in multipath fading environment. , 2014, , .		3
411	Extended Lifetime Based Elliptical Sink-Mobility in Depth Based Routing Protocol for UWSNs. , 2015, , .		3
412	High-Speed Network Traffic Analysis: Detecting VoIP Calls in Secure Big Data Streaming. , 2016, , .		3
413	Universal Access in 5G Networks: Potential Challenges and Opportunities for Urban and Rural Environments. , 2018, , 299-326.		3
414	Truncated Channel Inversion Power Control for the Uplink of mmWave Cellular Networks. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
415	A Novel Orthogonal Transmission Scheme for Visible Light Communication. , 2018, , .		3
416	A Low PAPR Universal Filtered Multi-Carrier System for 5G Machine Type Communications. , 2019, , .		3
417	Buffer Occupancy Based DF and AF Relaying in Nakagami-m Fading Channels. , 2019, , .		3
418	Outage Probability of Hybrid Decode-Amplify-Forward Relaying Protocol for Buffer-Aided Relays. , 2019, , .		3
419	Health Activities Monitoring and Warning System for Geriatric Daily Living in Extra Care Homes. , 2019, , .		3
420	Location Dependent Channel Characteristics for Implantable Devices. , 2020, , .		3
421	Intelligent Instruction-Based IoT Framework for Smart Home Applications using Speech Recognition. , 2020, , .		3
422	A Joint SLM and Precoding Based PAPR Reduction Scheme for 5G UFMC Cellular Networks. , 2020, , .		3
423	Incremental Composition Process for the Construction of Component-Based Management Systems. Sensors, 2020, 20, 1351.	2.1	3
424	Resource Allocation and Throughput Maximization for IoT Real-time Applications. , 2020, , .		3
425	Interference Alignment for One-Hop and Two-Hops MIMO Systems With Uncoordinated Interference. IEEE Transactions on Communications, 2020, 68, 902-914.	4.9	3
426	Device-centric adaptive data stream management and offloading for analytics applications in future internet architectures. Future Generation Computer Systems, 2021, 114, 155-168.	4.9	3
427	Indoor Mobility Prediction for mmWave Communications using Markov Chain. , 2021, , .		3
428	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. Frontiers in Big Data, 2021, 4, 640868.	1.8	3
429	A Deep Learning-based System for Detecting COVID-19 Patients. , 2021, , .		3
430	Optimal Multi-user Transmission based on a Single Intelligent Reflecting Surface. , 2021, , .		3
431	Implicit Feedback-based Group Recommender System for Internet of Things Applications. , 2020, , .		3
432	Towards Intrusion Detection to Secure VANET-Assisted Healthcare Monitoring System. Journal of Medical Imaging and Health Informatics, 2017, 7, 1391-1398.	0.2	3

#	ARTICLE	IF	CITATIONS
433	New Adaptive Surrogate-Based Approach Combined Swarm Optimizer Assisted Less Tuning Cost of Dynamic Production-Inventory Control System. IEEE Access, 2021, 9, 144054-144066.	2.6	3
434	Adversarial Learning-based Bias Mitigation for Fatigue Driving Detection in Fair-Intelligent IoV. , 2020, , .		3
435	Performance of Reconfigurable Intelligent Surfaces in the Presence of Generalized Gaussian Noise. IEEE Communications Letters, 2022, 26, 773-777.	2.5	3
436	Design Of A Compact Ultra-Wideband Microstrip Antenna for Millimeter-Wave Communication. , 2021, , .		3
437	Reflecting Metasurface Unit Cell Design with Multi-Bit Azimuthal Control. , 2021, , .		3
438	Machine learning-assisted lens-loaded cavity response optimization for improved direction-of-arrival estimation. Scientific Reports, 2022, 12, .	1.6	3
439	Mobility Management in the Applications of 5G and Beyond: A Handover Skipping Topology Analysis. , 2022, , .		3
440	Energy Aware Simple Ant Routing Algorithm for Wireless Sensor Networks. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	2
441	A Multi-Parameter Based Vertical Handover Decision Scheme for M2M Communications in HetMANET. , 2015, , .		2
442	DYN-NbC-JSM: Dynamic Joint Sink Mobility with Need-Based Clustering in WSNs. , 2015, , .		2
443	BIETX: A new quality link metric for Static Wireless Multi-hop Networks. , 2016, , .		2
444	Extrinsic Information Modification in the Turbo Decoder by Exploiting Source Redundancies for HEVC Video Transmitted Over a Mobile Channel. IEEE Access, 2016, 4, 7186-7198.	2.6	2
445	SMPC: Singular division of Multipath Power Control tree based routing protocol for Underwater Wireless Sensor Networks. , 2017, , .		2
446	Coverage hole alleviation using geographic routing for WSNs. , 2017, , .		2
447	Simultaneous Wireless Information and Power Transfer for Buffer-Aided Cooperative Relaying Systems. , 2018, , .		2
448	Backhaul-Aware and Context-Aware User-Cell Association Approach. , 2019, , .		2
449	A Recursive Calibration Approach for Smart Antenna Beamforming Frontend. , 2020, , .		2
450	Energy-Efficient Power Allocation in URLLC Enabled Wireless Control for Factory Automation Applications. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
451	A Blockchain-based Privacy-Preserving Mechanism with Aggregator as Common Communication Point. , 2020, , .		2
452	A Component Model with Verifiable Composition for the Construction of Emergency Management Systems. Arabian Journal for Science and Engineering, 2020, 45, 10683-10692.	1.7	2
453	Robustness Optimization of Scale-Free IoT Networks. , 2020, , .		2
454	A Robust Consistency Model of Crowd Workers in Text Labeling Tasks. IEEE Access, 2020, 8, 168381-168393.	2.6	2
455	Design of 1-Bit Digital Subwavelength Metasurface Element for Sub-6 GHz Applications. , 2020, , .		2
456	Resource Optimization-Based Software Risk Reduction Model for Large-Scale Application Development. Sustainability, 2021, 13, 2602.	1.6	2
457	Spider Web shaped Near-field UHF RFID Reader Antenna for Healthcare and IoT Applications. , 2020, , .		2
458	IMPRESS: Indoor Mobility Prediction Framework for Pre-Emptive Indoor-Outdoor Handover for mmWave Networks. IEEE Open Journal of the Communications Society, 2021, 2, 2714-2724.	4.4	2
459	Context-Aware Wireless Connectivity and Processing Unit Optimization for IoT Networks. IEEE Internet of Things Journal, 2022, 9, 16028-16043.	5.5	2
460	Multi-User Beamforming and Transmission Based on Intelligent Reflecting Surface. IEEE Transactions on Wireless Communications, 2022, 21, 7329-7342.	6.1	2
461	Human Activity Recognition based on Collaboration of Vision and WiFi Signals. , 2021, , .		2
462	Compact Magnetically Symmetric Antenna Design for Implantable Biomedical Applications. , 2021, , .		2
463	AI-based Real-time Classification of Human Activity using Software Defined Radios. , 2021, , .		2
464	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.	2.6	2
465	Machine learning-assisted direction-of-arrival accuracy enhancement technique using oversized lens-loaded cavity. IET Microwaves, Antennas and Propagation, 2022, 16, 305-315.	0.7	2
466	Ergodic Capacity of MIMO Faster-Than-Nyquist Transmission Over Triply-Selective Rayleigh Fading Channels. IEEE Transactions on Communications, 2022, 70, 5046-5058.	4.9	2
467	Energy Management in an Agile Workspace using AI-driven Forecasting and Anomaly Detection. , 2022, , .		2
468	CARE: Coverage-aware connectivity restoration algorithm for mobile actor/robot networks. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
469	Performance analysis of mixed polling schemes with multiple classes of self-similar traffic input to build comprehensive SLAs. , 2013, , .		1
470	Enabling Technologies for Next-Generation Sensor Networks: Prospects, Issues, Solutions, and Emerging Trends. International Journal of Distributed Sensor Networks, 2015, 11, 634268.	1.3	1
471	DYN-NbC: A New Routing Scheme to Maximize Lifetime and Throughput of WSNs. , 2015, , .		1
472	Disjoint Key Establishment Protocol for Wireless Sensor and Actor Networks. Journal of Sensors, 2016, 2016, 1-15.	0.6	1
473	A Framework and Mathematical Modeling for the Vehicular Delay Tolerant Network Routing. Mobile Information Systems, 2016, 2016, 1-14.	0.4	1
474	Energy Efficient and Reliable Data Gathering in Underwater WSNs. , 2016, , .		1
475	Energy hole avoidance based routing for underwater WSNs. , 2017, , .		1
476	Handover Based IMS Registration Scheme for Next Generation Mobile Networks. Wireless Communications and Mobile Computing, 2017, 2017, 1-15.	0.8	1
477	Guest Editorial Emerging Technologies in Tactile Internet and Backhaul/Fronthaul Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2387-2389.	9.7	1
478	A New Insight Towards Buffer-Aided Relaying in Cooperative Wireless Networks. , 2018, , .		1
479	RTRD: Real-Time Route Discovery for Urban Scenarios Using Internet of Things. , 2019, , .		1
480	Establishing A Novel Technique for the Detection of Water Contamination Using Terahertz Waves. , 2019, , .		1
481	Load-Aware Cell Switching in Ultra-Dense Networks: An Artificial Neural Network Approach. , 2020, , .		1
482	Electric Load Forecasting using EEMD and Machine Learning Techniques. , 2020, , .		1
483	Conditional Anonymity enabled Blockchain-based Ad Dissemination in Vehicular Ad-hoc Network. , 2020, , .		1
484	Improved Neural Network Transparency for Cell Degradation Detection Using Explanatory Model. , 2020, , .		1
485	IoT enabled Smart Lighting System using STM32 microcontroller with high performance ARM[®] Cortex[®]-M3 core. , 2020, , .		1
486	IoT Enabled Smart Security Framework for 3D Printed Smart Home. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
487	A Block Access Control in Wireless Blockchain Networks. , 2020, , .		1
488	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. IEEE Access, 2020, 8, 19406-19409.	2.6	1
489	IEEE Access Special Section Editorial: Emerging Trends, Issues, and Challenges in Underwater Acoustic Sensor Networks. IEEE Access, 2021, 9, 5862-5869.	2.6	1
490	Link and stability-aware adaptive cooperative routing with restricted packets transmission and void-avoidance for underwater acoustic wireless sensor networks. Computer Communications, 2021, 181, 428-428.	3.1	1
491	A Novel Approach to Policy Development under Disruptive Circumstances using Situation Awareness and Scenario Planning in Higher Education. , 2020, , .		1
492	A Corrugated SIW Based Slot Antenna for Terahertz Application. , 2020, , .		1
493	Auto-calibration of Linear Array Antenna Positioning for Single Snapshot Direction of Arrival Estimation. , 2020, , .		1
494	A Privacy-preserved D2D Caching Scheme Underpinned by Blockchain-enabled Federated Learning. , 2021, , .		1
495	Enhancing Wave Propagation via Contextual Beamforming. , 2021, , .		1
496	3D Printed Slotted Waveguide Antenna Array for Millimeter-wave Communication Systems. , 2022, , .		1
497	A Multi-Parameter Based Vertical Handover Decision Scheme for M2M Communications in HetMANET. , 2014, , .		0
498	On Data Fusion for Orientation Sensing in WBASNs Using Smart Phones. , 2015, , .		0
499	Enabling Mobile and Wireless Technologies for Smart Cities: Part 3. , 2017, 55, 24-25.		0
500	Towards energy balancing in heterogeneous Wireless Sensor Networks. , 2017, , .		0
501	A Joint Filtering and Precoding Based Uplink MC-NOMA. , 2018, , .		0
502	Enabling Wireless Communications and Networking Technologies of Edge Computing. IEEE Communications Magazine, 2018, 56, 94-95.	4.9	0
503	Monitoring Quality Control of Fruits Using Terahertz Sensing. , 2019, , .		0
504	Towards Continuous Subject Identification Using Wearable Devices and Deep CNNs. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
505	TFPMS: Transactions Filtering Pattern Matching Scheme for Vehicular Networks based on Blockchain. , 2020, , .		0
506	Sensor Aided Beamforming in Vehicular Environment. , 2020, , .		0
507	Smart Dynamic Traffic Monitoring and Enforcement System. Computers, Materials and Continua, 2021, 67, 2797-2806.	1.5	0
508	Deep Learning-Based Approach for Detecting Trajectory Modifications of Cassini-Huygens Spacecraft. IEEE Access, 2021, 9, 39111-39125.	2.6	0
509	Editorial for the Special Issue on Security and Sensing Devices for Healthcare Technologies. Micromachines, 2021, 12, 1028.	1.4	0
510	A Miniaturized Series Fed Tri-Slot Coplanar Vivaldi Antenna for RADAR Application With Reduced Ground Plane Effect. IEEE Open Journal of Antennas and Propagation, 2021, 2, 949-953.	2.5	0
511	Comparative Analysis of Discrete Time Simulations and Stochastic Geometry Models of a Single Gateway LoRaWAN Network. , 2021, , .		0
512	Logical sub-region with sink mobility for throughput maximization and energy consumption minimization in rectangular UWSNs. , 2017, , .		0
513	Assessment and Feedback Under Disruptive Circumstances in Trans-National Education. , 2020, , .		0
514	IEEE Access Special Section Editorial: Survivability Strategies for Emerging Wireless Networks. IEEE Access, 2020, 8, 225219-225225.	2.6	0
515	Ultra-wideband Sensor Antenna Design for 5G/UWB Based Real Time Location Systems. , 2020, , .		0
516	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamforming. , 2020, , .		0
517	An Amplitude Distribution Network in the T/R Module for Beamforming Applications. , 2020, , .		0
518	A Novel Subspace-Averaging Direction of Arrival Estimation Technique. , 2021, , .		0
519	AI-Based Fall Detection Using Contactless Sensing. , 2021, , .		0
520	Employing Machine Learning for Predicting Transportation Modes Under the COVID-19 Pandemic: A Mobility-Trends Analysis. , 2021, , .		0
521	Three-Port Lorentz Resonance Based Permittivity Sensor and Microwave Comparator. , 2021, , .		0
522	Folded Terahertz Antenna based on MoS_2 and Gold for Biomedical Imaging. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
523	A Miniaturized Wideband 3 dB Rat-Race Coupler Utilizing Meander Lines. , 2021, , .		0
524	A wideband miniaturized 3 dB hybrid coupler for passive beam switching application. , 2021, , .		0
525	Platform Tolerant UHF RFID Tag Design using Multi-resonant Surface for Supply Chain Visibility. , 2021, , .		0
526	The Challenges in Implementing Wearable Antennas for Large-Scale Health Monitoring. , 2021, , .		0
527	Title is missing!. , 2020, 15, e0242613.		0
528	Title is missing!. , 2020, 15, e0242613.		0
529	Title is missing!. , 2020, 15, e0242613.		0
530	Title is missing!. , 2020, 15, e0242613.		0
531	Title is missing!. , 2020, 15, e0242613.		0
532	Title is missing!. , 2020, 15, e0242613.		0
533	Reinforcement Learning-Based Resource Allocation for M2M Communications over Cellular Networks. , 2022, , .		0