

Muhammad Ali Imran

List of Publications by Year in descending order

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533
papers

19,508
citations

19657

61
h-index

22832

112
g-index

563
all docs

563
docs citations

563
times ranked

15968
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dispersed Federated Learning Framework for 6G-Enabled Autonomous Driving Cars. IEEE Transactions on Network Science and Engineering, 2024, , 1-12.	6.4	14
2	Performance analysis of machine learning classifiers for non-technical loss detection. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15327-15342.	4.9	29
3	A smart healthcare framework for detection and monitoring of COVID-19 using IoT and cloud computing. Neural Computing and Applications, 2023, 35, 13775-13789.	5.6	27
4	Automated methods for diagnosis of Parkinson's disease and predicting severity level. Neural Computing and Applications, 2023, 35, 14499-14534.	5.6	20
5	Data Evolution Governance for Ontology-Based Digital Twin Product Lifecycle Management. IEEE Transactions on Industrial Informatics, 2023, 19, 1791-1802.	11.3	9
6	Clustering-based real-time anomaly detection – A breakthrough in big data technologies. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3647.	3.9	33
7	A Fog-Centric Secure Cloud Storage Scheme. IEEE Transactions on Sustainable Computing, 2022, 7, 250-262.	3.1	15
8	Digital Hadith authentication: Recent advances, open challenges, and future directions. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3977.	3.9	6
9	An IoT-based smart healthcare system to detect dysphonia. Neural Computing and Applications, 2022, 34, 11255-11265.	5.6	7
10	Blockchain-Empowered Federated Learning Approach for an Intelligent and Reliable D2D Caching Scheme. IEEE Internet of Things Journal, 2022, 9, 7879-7890.	8.7	12
11	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185.	5.5	8
12	A cooperative crowdsensing system based on flying and ground vehicles to control respiratory viral disease outbreaks. Ad Hoc Networks, 2022, 124, 102699.	5.5	12
13	Joint Communication and Control for mmWave/THz Beam Alignment in V2X Networks. IEEE Internet of Things Journal, 2022, 9, 11203-11213.	8.7	13
14	Joint Precoding and Pre-Equalization for Faster-Than-Nyquist Transmission Over Multipath Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 3948-3963.	6.3	4
15	Performance of Reconfigurable Intelligent Surfaces in the Presence of Generalized Gaussian Noise. IEEE Communications Letters, 2022, 26, 773-777.	4.1	3
16	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review. Journal of Pharmaceutical Analysis, 2022, 12, 193-204.	5.3	30
17	Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494.	4.7	105
18	Formal Modeling and Verification of a Blockchain-Based Crowdsourcing Consensus Protocol. IEEE Access, 2022, 10, 8163-8183.	4.2	9

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19	An Efficient Network Intrusion Detection and Classification System. Mathematics, 2022, 10, 530.	2.2	24
20	Efficient Channel Equalization and Symbol Detection for MIMO OTFS Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6672-6686.	9.2	6
21	Context-Aware Wireless Connectivity and Processing Unit Optimization for IoT Networks. IEEE Internet of Things Journal, 2022, 9, 16028-16043.	8.7	2
22	Multi-User Beamforming and Transmission Based on Intelligent Reflecting Surface. IEEE Transactions on Wireless Communications, 2022, 21, 7329-7342.	9.2	2
23	Non-Invasive Localization Using Software-Defined Radios. IEEE Sensors Journal, 2022, 22, 9018-9026.	4.7	8
24	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. Sensors, 2022, 22, 2688.	3.8	17
25	An intelligent and efficient network intrusion detection system using deep learning. Computers and Electrical Engineering, 2022, 99, 107764.	4.8	18
26	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. Applied Sciences (Switzerland), 2022, 12, 3665.	2.5	14
27	A Covariance Matrix Reconstruction Approach for Single Snapshot Direction of Arrival Estimation. Sensors, 2022, 22, 3096.	3.8	5
28	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.	4.2	2
29	EXECUTE: Exploring Eye Tracking to Support E-learning. , 2022, , .		6
30	Machine learning-assisted direction-of-arrival accuracy enhancement technique using oversized lens-loaded cavity. IET Microwaves, Antennas and Propagation, 2022, 16, 305-315.	1.4	2
31	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions. Sensors, 2022, 22, 3329.	3.8	4
32	Reinforcement Learning-Based Resource Allocation for M2M Communications over Cellular Networks. , 2022, , .		0
33	3D Printed Slotted Waveguide Antenna Array for Millimeter-wave Communication Systems. , 2022, , .		1
34	Machine learning-assisted lens-loaded cavity response optimization for improved direction-of-arrival estimation. Scientific Reports, 2022, 12, .	3.3	3
35	Ergodic Capacity of MIMO Faster-Than-Nyquist Transmission Over Triply-Selective Rayleigh Fading Channels. IEEE Transactions on Communications, 2022, 70, 5046-5058.	7.8	2
36	Wireless Resource Management in Intelligent Semantic Communication Networks. , 2022, , .		14

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37	Formal verification of persistence and liveness in the trust-based blockchain crowdsourcing consensus protocol. <i>Computer Communications</i> , 2022, 192, 384-401.	5.1	4
38	Design of a 60 GHz Microstrip Antenna for Multi-Gigabit Industrial Communication in Viewpoint of Industry 4.0. , 2022, , .		4
39	Energy Management in an Agile Workspace using AI-driven Forecasting and Anomaly Detection. , 2022, , .		2
40	Mobility Management in the Applications of 5G and Beyond: A Handover Skipping Topology Analysis. , 2022, , .		3
41	A First Look at Privacy Analysis of COVID-19 Contact-Tracing Mobile Applications. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15796-15806.	8.7	49
42	Service Provisioning Framework for RAN Slicing: User Admissibility, Slice Association and Bandwidth Allocation. <i>IEEE Transactions on Mobile Computing</i> , 2021, 20, 3409-3422.	5.8	40
43	Rate-Latency Optimization for NB-IoT With Adaptive Resource Unit Configuration in Uplink Transmission. <i>IEEE Systems Journal</i> , 2021, 15, 265-276.	4.6	18
44	A Cooperative Massive MIMO System for Future <i>In Vivo</i> Nanonetworks. <i>IEEE Systems Journal</i> , 2021, 15, 331-337.	4.6	14
45	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamformer in High Speed Rail Like Scenario. <i>IEEE Sensors Journal</i> , 2021, 21, 15775-15783.	4.7	7
46	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9549-9558.	8.7	109
47	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.	8.1	37
48	Lightweight Searchable Encryption Protocol for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4248-4259.	11.3	49
49	Device-centric adaptive data stream management and offloading for analytics applications in future internet architectures. <i>Future Generation Computer Systems</i> , 2021, 114, 155-168.	7.5	3
50	An intelligent healthcare monitoring framework using wearable sensors and social networking data. <i>Future Generation Computer Systems</i> , 2021, 114, 23-43.	7.5	215
51	CRT-BlOV: A Cognitive Radio Technique for Blockchain-Enabled Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4005-4015.	8.0	35
52	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9664-9671.	8.7	21
53	Handwriting dynamics assessment using deep neural network for early identification of Parkinsonâ€™s disease. <i>Future Generation Computer Systems</i> , 2021, 117, 234-244.	7.5	67
54	A lightweight cyber security framework with context-awareness for pervasive computing environments. <i>Sustainable Cities and Society</i> , 2021, 66, 102610.	10.4	17

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55	Intelligent IoT Framework for Indoor Healthcare Monitoring of Parkinson's Disease Patient. IEEE Journal on Selected Areas in Communications, 2021, 39, 593-602.	14.0	33
56	BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond. IEEE Internet of Things Journal, 2021, 8, 3915-3929.	8.7	138
57	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leipnik Maps. IEEE Sensors Journal, 2021, 21, 3669-3679.	4.7	23
58	Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1.	4.3	5
59	IEEE Access Special Section Editorial: Emerging Trends, Issues, and Challenges in Underwater Acoustic Sensor Networks. IEEE Access, 2021, 9, 5862-5869.	4.2	1
60	A multiband circular polarization selective metasurface for microwave applications. Scientific Reports, 2021, 11, 1774.	3.3	15
61	Smart Dynamic Traffic Monitoring and Enforcement System. Computers, Materials and Continua, 2021, 67, 2797-2806.	1.9	0
62	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. IEEE Access, 2021, 9, 20868-20877.	4.2	15
63	Deep Learning-Based Approach for Detecting Trajectory Modifications of Cassini-Huygens Spacecraft. IEEE Access, 2021, 9, 39111-39125.	4.2	0
64	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. IET Communications, 2021, 15, 1000-1013.	2.2	10
65	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. IEEE Sensors Journal, 2021, 21, 5111-5118.	4.7	19
66	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. Micromachines, 2021, 12, 250.	2.9	10
67	An intelligent content caching protocol for connected vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4231.	3.9	8
68	Indoor Mobility Prediction for mmWave Communications using Markov Chain. , 2021, , .		3
69	The role of unmanned aerial vehicles and mmWave in 5G: Recent advances and challenges. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4241.	3.9	33
70	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. Micromachines, 2021, 12, 322.	2.9	55
71	Resource Optimization-Based Software Risk Reduction Model for Large-Scale Application Development. Sustainability, 2021, 13, 2602.	3.2	2
72	Advertising through UAVs: Optimized path system for delivering smart real-estate advertisement materials. International Journal of Intelligent Systems, 2021, 36, 3429-3463.	5.7	17

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73	Traffic accident detection and condition analysis based on social networking data. Accident Analysis and Prevention, 2021, 151, 105973.	5.7	99
74	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. IEEE Sensors Journal, 2021, 21, 9457-9464.	4.7	51
75	Compact Elliptical UWB Antenna for Underwater Wireless Communications. Micromachines, 2021, 12, 411.	2.9	13
76	ROCA: Auto-resolving overlapping and conflicts in Access Control List policies for Software Defined Networking. International Journal of Communication Systems, 2021, 34, e4815.	2.5	11
77	Network slicing: a next generation 5G perspective. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	30
78	An Efficient Method for Complex Antenna Design Based on a Self Adaptive Surrogate Model-Assisted Optimization Technique. IEEE Transactions on Antennas and Propagation, 2021, 69, 2302-2315.	5.1	32
79	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. Micromachines, 2021, 12, 647.	2.9	10
80	Secure big data ecosystem architecture: challenges and solutions. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	6
81	Network Slicing for Beyond 5G Systems: An Overview of the Smart Port Use Case. Electronics (Switzerland), 2021, 10, 1090.	3.1	17
82	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. Electronics (Switzerland), 2021, 10, 1279.	3.1	6
83	A Scalable Multi-Layer PBFT Consensus for Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1146-1160.	5.6	184
84	Detection of impostor and tampered segments in audio by using an intelligent system. Computers and Electrical Engineering, 2021, 91, 107122.	4.8	5
85	It's all about perceptions: A DEMATEL approach to exploring user perceptions of real estate online platforms. Ain Shams Engineering Journal, 2021, 12, 4297-4317.	6.1	43
86	Ground-to-UAV Communication Network: Stochastic Geometry-based Performance Analysis. , 2021, , .		5
87	Using social media for sub-event detection during disasters. Journal of Big Data, 2021, 8, .	11.0	18
88	Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching. IEEE Transactions on Green Communications and Networking, 2021, 5, 832-845.	5.5	14
89	Hybrid Beamforming with Fixed Phase Shifters for Uplink Cell-Free Millimetre-Wave Massive MIMO Systems. , 2021, , .		7
90	Blockchain-Empowered Edge Intelligence for Internet of Medical Things Against COVID-19. IEEE Internet of Things Magazine, 2021, 4, 34-39.	2.6	14

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91	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. <i>Future Internet</i> , 2021, 13, 159.	3.8	33
92	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. <i>Frontiers in Big Data</i> , 2021, 4, 640868.	2.9	3
93	A Deep Learning-based System for Detecting COVID-19 Patients. , 2021, , .		3
94	Low-Dimensional Subspace Estimation of Continuous-Doppler-Spread Channel in OTFS Systems. <i>IEEE Transactions on Communications</i> , 2021, 69, 4717-4731.	7.8	27
95	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 1603.	3.1	8
96	A policy-based solution for the detection of colluding GPS-Spoofing attacks in FANETs. <i>Transportation Research, Part A: Policy and Practice</i> , 2021, 149, 300-318.	4.2	7
97	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. <i>Sensors</i> , 2021, 21, 4933.	3.8	7
98	Feasibility study of 28GHz and 38GHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. <i>Physical Communication</i> , 2021, 47, 101401.	2.1	11
99	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. <i>Pervasive and Mobile Computing</i> , 2021, 75, 101434.	3.3	32
100	Editorial for the Special Issue on Security and Sensing Devices for Healthcare Technologies. <i>Micromachines</i> , 2021, 12, 1028.	2.9	0
101	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. <i>Sensors</i> , 2021, 21, 5284.	3.8	21
102	Optimal Multi-user Transmission based on a Single Intelligent Reflecting Surface. , 2021, , .		3
103	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. <i>IEEE Sensors Journal</i> , 2021, 21, 17180-17188.	4.7	33
104	Software-defined networks for resource allocation in cloud computing: A survey. <i>Computer Networks</i> , 2021, 195, 108151.	5.1	34
105	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. <i>Energies</i> , 2021, 14, 5408.	3.1	24
106	5G-enabled contactless multi-user presence and activity detection for independent assisted living. <i>Scientific Reports</i> , 2021, 11, 17590.	3.3	22
107	Notice of Retraction: Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. <i>IEEE Sensors Journal</i> , 2021, 21, 19395-19406.	4.7	18
108	Wireless Channel Modelling for Identifying Six Types of Respiratory Patterns With SDR Sensing and Deep Multilayer Perceptron. <i>IEEE Sensors Journal</i> , 2021, 21, 20833-20840.	4.7	20

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109	A multifunctional ultrathin flexible bianisotropic metasurface with miniaturized cell size. Scientific Reports, 2021, 11, 18426.	3.3	5
110	Impact of Inter-Gateway Distance on LoRaWAN Performance. Electronics (Switzerland), 2021, 10, 2197.	3.1	5
111	Making assembly line in supply chain robust and secure using UHF RFID. Scientific Reports, 2021, 11, 18041.	3.3	23
112	Friendly-jamming schemes to secure ultra-reliable and low-latency communications in 5G and beyond communications. Computer Standards and Interfaces, 2021, 78, 103540.	5.4	10
113	A techno-economic analysis for power generation through wind energy: A case study of Pakistan. Energy Reports, 2021, 7, 1424-1443.	5.1	33
114	Intelligent energy prediction techniques for fog computing networks. Applied Soft Computing Journal, 2021, 111, 107682.	7.2	24
115	Machine learning for 5G security: Architecture, recent advances, and challenges. Ad Hoc Networks, 2021, 123, 102667.	5.5	14
116	A Novel Collaborative IoD-Assisted VANET Approach for Coverage Area Maximization. IEEE Access, 2021, 9, 61211-61223.	4.2	17
117	Treating Class Imbalance in Non-Technical Loss Detection: An Exploratory Analysis of a Real Dataset. IEEE Access, 2021, 9, 98928-98938.	4.2	8
118	Cloudlet Computing: Recent Advances, Taxonomy, and Challenges. IEEE Access, 2021, 9, 29609-29622.	4.2	35
119	Wind-to-Hydrogen Production Potential for Selected Sites in Pakistan. IEEE Access, 2021, , 1-1.	4.2	4
120	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.	3.7	0
121	Machine Learning Techniques for 5G and Beyond. IEEE Access, 2021, 9, 23472-23488.	4.2	111
122	New Adaptive Surrogate-Based Approach Combined Swarm Optimizer Assisted Less Tuning Cost of Dynamic Production-Inventory Control System. IEEE Access, 2021, 9, 144054-144066.	4.2	3
123	Comparative Analysis of Discrete Time Simulations and Stochastic Geometry Models of a Single Gateway LoRaWAN Network. , 2021, , .		0
124	Design and Implementation of a Contactless AI-enabled Human Motion Detection System for Next-Generation Healthcare. , 2021, , .		4
125	Security Analysis of Sharding in the Blockchain System. , 2021, , .		4
126	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.	5.1	1

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127	Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. <i>Electronics (Switzerland)</i> , 2021, 10, 2468.	3.1	4
128	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. <i>Electronics (Switzerland)</i> , 2021, 10, 2563.	3.1	16
129	Assessing Nitrate Contamination Risks in Groundwater: A Machine Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10034.	2.5	20
130	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy System—An NHS Hospital Case Study. <i>Energies</i> , 2021, 14, 7084.	3.1	7
131	Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. <i>Journal of Sensor and Actuator Networks</i> , 2021, 10, 63.	3.9	10
132	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. <i>Sustainability</i> , 2021, 13, 12506.	3.2	47
133	IMPRESS: Indoor Mobility Prediction Framework for Pre-Emptive Indoor-Outdoor Handover for mmWave Networks. <i>IEEE Open Journal of the Communications Society</i> , 2021, 2, 2714-2724.	6.9	2
134	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. <i>IEEE Access</i> , 2021, 9, 166962-166969.	4.2	17
135	Aerial Base Station Assisted Cellular Communication: Performance and Trade-Off. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 2765-2779.	6.4	5
136	A Novel Subspace-Averaging Direction of Arrival Estimation Technique. , 2021, , .		0
137	AI-Based Fall Detection Using Contactless Sensing. , 2021, , .		0
138	Human Activity Recognition based on Collaboration of Vision and WiFi Signals. , 2021, , .		2
139	Employing Machine Learning for Predicting Transportation Modes Under the COVID-19 Pandemic: A Mobility-Trends Analysis. , 2021, , .		0
140	2.75-Bit Reflecting Unit Cell Design for Reconfigurable Intelligent Surfaces. , 2021, , .		4
141	Three-Port Lorentz Resonance Based Permittivity Sensor and Microwave Comparator. , 2021, , .		0
142	Design Of A Compact Ultra-Wideband Microstrip Antenna for Millimeter-Wave Communication. , 2021, , .		3
143	Performance Analysis of Wireless Practical Byzantine Fault Tolerance Networks Using IEEE 802.11. , 2021, , .		4
144	Folded Terahertz Antenna based on \$MoS_{2}\$ and Gold for Biomedical Imaging. , 2021, , .		0

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145	Reflecting Metasurface Unit Cell Design with Multi-Bit Azimuthal Control. , 2021, , .		3
146	A Miniaturized Wideband 3 dB Rat-Race Coupler Utilizing Meander Lines. , 2021, , .		0
147	Compact Magnetically Symmetric Antenna Design for Implantable Biomedical Applications. , 2021, , .		2
148	A Privacy-preserved D2D Caching Scheme Underpinned by Blockchain-enabled Federated Learning. , 2021, , .		1
149	AI-based Real-time Classification of Human Activity using Software Defined Radios. , 2021, , .		2
150	A wideband miniaturized 3 dB hybrid coupler for passive beam switching application. , 2021, , .		0
151	Wearable Metamaterial Dual-Polarized High Isolation UWB MIMO Vivaldi Antenna for 5G and Satellite Communications. Micromachines, 2021, 12, 1559.	2.9	11
152	Enhancing Wave Propagation via Contextual Beamforming. , 2021, , .		1
153	Platform Tolerant UHF RFID Tag Design using Multi-resonant Surface for Supply Chain Visibility. , 2021, , .		0
154	The Challenges in Implementing Wearable Antennas for Large-Scale Health Monitoring. , 2021, , .		0
155	Big data management in participatory sensing: Issues, trends and future directions. Future Generation Computer Systems, 2020, 107, 942-955.	7.5	25
156	A Cooperative Heterogeneous Vehicular Clustering Mechanism for Road Traffic Management. International Journal of Parallel Programming, 2020, 48, 870-889.	1.5	14
157	Refining Parkinsonâ€™s neurological disorder identification through deep transfer learning. Neural Computing and Applications, 2020, 32, 839-854.	5.6	105
158	Blending Big Data Analytics: Review on Challenges and a Recent Study. IEEE Access, 2020, 8, 3629-3645.	4.2	66
159	Big data analytics for preventive medicine. Neural Computing and Applications, 2020, 32, 4417-4451.	5.6	175
160	Countering Statistical Attacks in Cloud-Based Searchable Encryption. International Journal of Parallel Programming, 2020, 48, 470-495.	1.5	5
161	Blockchain-based data privacy management with Nudge theory in open banking. Future Generation Computer Systems, 2020, 110, 812-823.	7.5	58
162	Big data analytics for manufacturing internet of things: opportunities, challenges and enabling technologies. Enterprise Information Systems, 2020, 14, 1279-1303.	4.7	169

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163	A Deep Learning-Based Framework for Automatic Brain Tumors Classification Using Transfer Learning. Circuits, Systems, and Signal Processing, 2020, 39, 757-775.	2.0	323
164	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. IEEE Network, 2020, 34, 174-181.	6.9	155
165	A Reconfigurable Method for Intelligent Manufacturing Based on Industrial Cloud and Edge Intelligence. IEEE Internet of Things Journal, 2020, 7, 4248-4259.	8.7	48
166	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. IEEE Sensors Journal, 2020, 20, 2075-2083.	4.7	57
167	Deep learning and big data technologies for IoT security. Computer Communications, 2020, 151, 495-517.	5.1	209
168	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. IEEE Sensors Journal, 2020, 20, 4891-4900.	4.7	24
169	A microservice recommendation mechanism based on mobile architecture. Journal of Network and Computer Applications, 2020, 152, 102510.	9.1	9
170	An overview on smart contracts: Challenges, advances and platforms. Future Generation Computer Systems, 2020, 105, 475-491.	7.5	568
171	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.	6.3	16
172	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. IEEE Sensors Journal, 2020, 20, 3005-3015.	4.7	20
173	Model Compression for IoT Applications in Industry 4.0 via Multiscale Knowledge Transfer. IEEE Transactions on Industrial Informatics, 2020, 16, 6013-6022.	11.3	25
174	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 4171-4182.	8.7	44
175	Blockchain for cloud exchange: A survey. Computers and Electrical Engineering, 2020, 81, 106526.	4.8	86
176	Routing Schemes in FANETs: A Survey. Sensors, 2020, 20, 38.	3.8	60
177	Towards Continuous Subject Identification Using Wearable Devices and Deep CNNs. , 2020, , .		0
178	TFPMS: Transactions Filtering Pattern Matching Scheme for Vehicular Networks based on Blockchain. , 2020, , .		0
179	A Review of the State of the Art in Non-Contact Sensing for COVID-19. Sensors, 2020, 20, 5665.	3.8	64
180	Artificial noise aided scheme to secure UAV-assisted Internet of Things with wireless power transfer. Computer Communications, 2020, 164, 1-12.	5.1	9

#	ARTICLE	IF	CITATIONS
181	A Recursive Calibration Approach for Smart Antenna Beamforming Frontend. , 2020, , .		2
182	Energy-Efficient Power Allocation in URLLC Enabled Wireless Control for Factory Automation Applications. , 2020, , .		2
183	An efficient caching policy for content retrieval in autonomous connected vehicles. Transportation Research, Part A: Policy and Practice, 2020, 140, 142-152.	4.2	13
184	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. Signals, 2020, 1, 170-187.	1.9	10
185	A Blockchain based Privacy-Preserving System for Electric Vehicles through Local Communication. , 2020, , .		4
186	Load-Aware Cell Switching in Ultra-Dense Networks: An Artificial Neural Network Approach. , 2020, , .		1
187	CNN and GRU based Deep Neural Network for Electricity Theft Detection to Secure Smart Grid. , 2020, , .		27
188	A Blockchain-based Privacy-Preserving Mechanism with Aggregator as Common Communication Point. , 2020, , .		2
189	A Component Model with Verifiable Composition for the Construction of Emergency Management Systems. Arabian Journal for Science and Engineering, 2020, 45, 10683-10692.	3.0	2
190	Randomized nonlinear one-class support vector machines with bounded loss function to detect of outliers for large scale IoT data. Future Generation Computer Systems, 2020, 112, 715-723.	7.5	29
191	Efficient Data Trading and Storage in Internet of Vehicles using Consortium Blockchain. , 2020, , .		9
192	Design and Characterization of T/R Module for Commercial Beamforming Applications. IEEE Access, 2020, 8, 130252-130262.	4.2	8
193	A blockchain-based decentralized energy management in a P2P trading system. , 2020, , .		12
194	Electric Load Forecasting using EEMD and Machine Learning Techniques. , 2020, , .		1
195	Electricity Theft Detection using Pipeline in Machine Learning. , 2020, , .		9
196	Secure Energy Trading for Electric Vehicles using Consortium Blockchain and k-Nearest Neighbor. , 2020, , .		6
197	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. Advanced Healthcare Materials, 2020, 9, e2000779.	7.6	107
198	Robustness Optimization of Scale-Free IoT Networks. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
199	An Incentive Scheme for VANETs based on Traffic Event Validation using Blockchain. , 2020, , .		5
200	Conditional Anonymity enabled Blockchain-based Ad Dissemination in Vehicular Ad-hoc Network. , 2020, , .		1
201	Improved Neural Network Transparency for Cell Degradation Detection Using Explanatory Model. , 2020, , .		1
202	Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning. , 2020, , .		5
203	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	4.2	193
204	Hybrid Deep Learning: An Efficient Reconnaissance and Surveillance Detection Mechanism in SDN. IEEE Access, 2020, 8, 134695-134706.	4.2	47
205	Sensor Aided Beamforming in Vehicular Environment. , 2020, , .		0
206	IoT enabled Smart Lighting System using STM32 microcontroller with high performance ARM^Å Cortex^Å-M3 core. , 2020, , .		1
207	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems. , 2020, , .		16
208	Flexible and Scalable Software Defined Radio Based Testbed for Large Scale Body Movement. Electronics (Switzerland), 2020, 9, 1354.	3.1	9
209	IoT Enabled Smart Security Framework for 3D Printed Smart Home. , 2020, , .		1
210	A Robust Consistency Model of Crowd Workers in Text Labeling Tasks. IEEE Access, 2020, 8, 168381-168393.	4.2	2
211	Blockchain-enabled Wireless IoT Networks with Multiple Communication Connections. , 2020, , .		6
212	Age of Information for Actuation Update in Real-Time Wireless Control Systems. , 2020, , .		5
213	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.	4.2	81
214	Location Dependent Channel Characteristics for Implantable Devices. , 2020, , .		3
215	Intelligent Instruction-Based IoT Framework for Smart Home Applications using Speech Recognition. , 2020, , .		3
216	Security Risk Assessment for 5G Networks: National Perspective. IEEE Wireless Communications, 2020, 27, 16-22.	9.0	26

#	ARTICLE	IF	CITATIONS
217	DE-RUSBoost: An Efficient Electricity Theft Detection Scheme with Additive Communication Layer. , 2020, , .		4
218	Privacy-Preserving Contact Tracing and Public Risk Assessment Using Blockchain for COVID-19 Pandemic. IEEE Internet of Things Magazine, 2020, 3, 58-63.	2.6	34
219	Blockchain-Enabled Internet of Medical Things to Combat COVID-19. IEEE Internet of Things Magazine, 2020, 3, 52-57.	2.6	76
220	A Joint SLM and Precoding Based PAPR Reduction Scheme for 5G UFMC Cellular Networks. , 2020, , .		3
221	Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model. Electronics (Switzerland), 2020, 9, 2175.	3.1	8
222	Grand Challenges in IoT and Sensor Networks. Frontiers in Communications and Networks, 2020, 1, .	3.0	24
223	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications. , 2020, , .		20
224	A Block Access Control in Wireless Blockchain Networks. , 2020, , .		1
225	Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks. , 2020, , .		4
226	Design of 1-Bit Digital Subwavelength Metasurface Element for Sub-6 GHz Applications. , 2020, , .		2
227	Flow-Aware Elephant Flow Detection for Software-Defined Networks. IEEE Access, 2020, 8, 72585-72597.	4.2	36
228	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. IEEE Network, 2020, 34, 290-298.	6.9	136
229	Data-driven prognosis method using hybrid deep recurrent neural network. Applied Soft Computing Journal, 2020, 93, 106351.	7.2	66
230	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. Sensors, 2020, 20, 2653.	3.8	104
231	UAV-enabled data acquisition scheme with directional wireless energy transfer for Internet of Things. Computer Communications, 2020, 155, 184-196.	5.1	29
232	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	39.4	208
233	An analysis of the application of fuzzy logic in cloud computing. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5933-5947.	1.4	7
234	Mixed-Numerology Signals Transmission and Interference Cancellation for Radio Access Network Slicing. IEEE Transactions on Wireless Communications, 2020, 19, 5132-5147.	9.2	20

#	ARTICLE	IF	CITATIONS
235	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. <i>Sensors</i> , 2020, 20, 2629.	3.8	14
236	A Deep Learning Model Based on Concatenation Approach for the Diagnosis of Brain Tumor. <i>IEEE Access</i> , 2020, 8, 55135-55144.	4.2	219
237	Impact of Feature Selection on Non-technical Loss Detection. , 2020, , .		6
238	Incremental Composition Process for the Construction of Component-Based Management Systems. <i>Sensors</i> , 2020, 20, 1351.	3.8	3
239	A smart healthcare monitoring system for heart disease prediction based on ensemble deep learning and feature fusion. <i>Information Fusion</i> , 2020, 63, 208-222.	19.1	429
240	Investigating Smart Home Security: Is Blockchain the Answer?. <i>IEEE Access</i> , 2020, 8, 117802-117816.	4.2	55
241	Industrial Wastewater Management using Blockchain Technology: Architecture, Requirements, and Future Directions. <i>IEEE Internet of Things Magazine</i> , 2020, 3, 38-43.	2.6	45
242	Securing Internet of Medical Things with Friendly-jamming schemes. <i>Computer Communications</i> , 2020, 160, 431-442.	5.1	51
243	Resource Allocation and Throughput Maximization for IoT Real-time Applications. , 2020, , .		3
244	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.	7.5	27
245	Transformer based Deep Intelligent Contextual Embedding for Twitter sentiment analysis. <i>Future Generation Computer Systems</i> , 2020, 113, 58-69.	7.5	139
246	Have You Been a Victim of COVID-19-Related Cyber Incidents? Survey, Taxonomy, and Mitigation Strategies. <i>IEEE Access</i> , 2020, 8, 124134-124144.	4.2	67
247	An Application Development Framework for Internet-of-Things Service Orchestration. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4543-4556.	8.7	40
248	IEEE Access Special Section: Deployment and Management of Small Heterogeneous Cells for 5G. <i>IEEE Access</i> , 2020, 8, 19406-19409.	4.2	1
249	Interference Alignment for One-Hop and Two-Hops MIMO Systems With Uncoordinated Interference. <i>IEEE Transactions on Communications</i> , 2020, 68, 902-914.	7.8	3
250	Novel One Time Signatures (NOTS): A Compact Post-Quantum Digital Signature Scheme. <i>IEEE Access</i> , 2020, 8, 15895-15906.	4.2	11
251	Securing Smart Cities through Blockchain Technology: Architecture, Requirements, and Challenges. <i>IEEE Network</i> , 2020, 34, 8-14.	6.9	141
252	Performance Analysis of Different Types of Machine Learning Classifiers for Non-Technical Loss Detection. <i>IEEE Access</i> , 2020, 8, 16033-16048.	4.2	68

#	ARTICLE	IF	CITATIONS
253	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. Computer Communications, 2020, 155, 66-83.	5.1	138
254	Towards a Low Complexity Scheme for Medical Images in Scalable Video Coding. IEEE Access, 2020, 8, 41439-41451.	4.2	4
255	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. IEEE Access, 2020, 8, 50780-50791.	4.2	7
256	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. IEEE Access, 2020, 8, 67085-67099.	4.2	39
257	Resource Optimized Federated Learning-Enabled Cognitive Internet of Things for Smart Industries. IEEE Access, 2020, 8, 168854-168864.	4.2	36
258	Bio-Inspired Network Security for 5G-Enabled IoT Applications. IEEE Access, 2020, 8, 229152-229160.	4.2	24
259	Implicit Feedback-based Group Recommender System for Internet of Things Applications. , 2020, , .		3
260	Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging. , 2020, , .		4
261	Internet of Things (IoT) for Healthcare Application. , 2020, , .		5
262	Assessment and Feedback Under Disruptive Circumstances in Trans-National Education. , 2020, , .		0
263	Collisionless Fast Pattern Formation Mechanism for Dynamic Number of UAVs. , 2020, , .		6
264	A Novel Approach to Policy Development under Disruptive Circumstances using Situation Awareness and Scenario Planning in Higher Education. , 2020, , .		1
265	Adversarial Learning-based Bias Mitigation for Fatigue Driving Detection in Fair-Intelligent IoV. , 2020, , .		3
266	IEEE Access Special Section Editorial: Survivability Strategies for Emerging Wireless Networks. IEEE Access, 2020, 8, 225219-225225.	4.2	0
267	A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. IEEE Access, 2020, 8, 225935-225944.	4.2	14
268	Ultra-wideband Sensor Antenna Design for 5G/UWB Based Real Time Location Systems. , 2020, , .		0
269	A Corrugated SIW Based Slot Antenna for Terahertz Application. , 2020, , .		1
270	A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamforming. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
271	Spider Web shaped Near-field UHF RFID Reader Antenna for Healthcare and IoT Applications. , 2020, , .		2
272	Auto-calibration of Linear Array Antenna Positioning for Single Snapshot Direction of Arrival Estimation. , 2020, , .		1
273	Software Defined Radio Based Testbed for Large Scale Body Movements. , 2020, , .		4
274	An Amplitude Distribution Network in the T/R Module for Beamforming Applications. , 2020, , .		0
275	Robust optimal design of FOPID controller for five bar linkage robot in a Cyber-Physical System: A new simulation-optimization approach. PLoS ONE, 2020, 15, e0242613.	2.5	5
276	Title is missing!. , 2020, 15, e0242613.		0
277	Title is missing!. , 2020, 15, e0242613.		0
278	Title is missing!. , 2020, 15, e0242613.		0
279	Title is missing!. , 2020, 15, e0242613.		0
280	Title is missing!. , 2020, 15, e0242613.		0
281	Title is missing!. , 2020, 15, e0242613.		0
282	Reconfigurable Smart Factory for Drug Packing in Healthcare Industry 4.0. IEEE Transactions on Industrial Informatics, 2019, 15, 507-516.	11.3	97
283	An Efficient Routing Protocol via Depth Adjustment and Energy Gradation in Underwater Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2019, , 201-211.	0.6	4
284	A Low PAPR Universal Filtered Multi-Carrier System for 5G Machine Type Communications. , 2019, , .		3
285	Ultra-Reliable Communications for Industrial Internet of Things: Design Considerations and Channel Modeling. IEEE Network, 2019, 33, 104-111.	6.9	38
286	Exploiting Energy Efficient Routing protocols for Void Hole Alleviation in IoT enabled Underwater WSN. , 2019, , .		7
287	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. IEEE Access, 2019, 7, 70811-70827.	4.2	28
288	IoT for 5G/B5G Applications in Smart Homes, Smart Cities, Wearables and Connected Cars. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
289	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. IEEE Access, 2019, 7, 137656-137667.	4.2	34
290	Narrowband-Internet of Things (NB-IoT): Performance Evaluation in 5G Heterogeneous Wireless Networks. , 2019, , .		11
291	Backhaul-Aware and Context-Aware User-Cell Association Approach. , 2019, , .		2
292	Buffer Occupancy Based DF and AF Relaying in Nakagami-m Fading Channels. , 2019, , .		3
293	Outage Probability of Hybrid Decode-Amplify-Forward Relaying Protocol for Buffer-Aided Relays. , 2019, , .		3
294	User Access Control and Bandwidth Allocation for Slice-Based 5G-and-Beyond Radio Access Networks. , 2019, , .		15
295	Terahertz Sensing for Fruit Spoilage Monitoring. , 2019, , .		9
296	Cell Fault Management Using Machine Learning Techniques. IEEE Access, 2019, 7, 124514-124539.	4.2	30
297	A Blockchain-Based Solution for Enhancing Security and Privacy in Smart Factory. IEEE Transactions on Industrial Informatics, 2019, 15, 3652-3660.	11.3	242
298	UAV-enabled healthcare architecture: Issues and challenges. Future Generation Computer Systems, 2019, 97, 425-432.	7.5	69
299	Congestion Control in Wireless Sensor Networks based on Support Vector Machine, Grey Wolf Optimization and Differential Evolution. , 2019, , .		14
300	Backhaul Aware User-Specific Cell Association Using Q-Learning. IEEE Transactions on Wireless Communications, 2019, 18, 3528-3541.	9.2	14
301	Software-Defined Industrial Internet of Things. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	5
302	A privacy-preserving framework for smart context-aware healthcare applications. Transactions on Emerging Telecommunications Technologies, 2019, , e3634.	3.9	10
303	Exact String Matching Algorithms: Survey, Issues, and Future Research Directions. IEEE Access, 2019, 7, 69614-69637.	4.2	64
304	Securing IoTs in distributed blockchain: Analysis, requirements and open issues. Future Generation Computer Systems, 2019, 100, 325-343.	7.5	144
305	Extension of MIH for FPMIPv6 (EMIH-FPMIPv6) to support optimized heterogeneous handover. Future Generation Computer Systems, 2019, 97, 775-791.	7.5	9
306	Self-Aware Autonomous City: From Sensing to Planning. IEEE Communications Magazine, 2019, 57, 33-39.	6.1	12

#	ARTICLE	IF	CITATIONS
307	Perception layer security in Internet of Things. Future Generation Computer Systems, 2019, 100, 144-164.	7.5	131
308	The role of big data analytics in industrial Internet of Things. Future Generation Computer Systems, 2019, 99, 247-259.	7.5	234
309	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. IEEE Internet of Things Journal, 2019, 6, 5791-5802.	8.7	182
310	An improved mechanism for flow rule installation in-band SDN. Journal of Systems Architecture, 2019, 96, 1-19.	4.3	17
311	Pervasive blood pressure monitoring using Photoplethysmogram (PPG) sensor. Future Generation Computer Systems, 2019, 98, 120-130.	7.5	48
312	Protection of records and data authentication based on secret shares and watermarking. Future Generation Computer Systems, 2019, 98, 331-341.	7.5	16
313	Congestion avoidance through fog computing in internet of vehicles. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3863-3877.	4.9	36
314	Impact of Node Deployment and Routing for Protection of Critical Infrastructures. IEEE Access, 2019, 7, 11502-11514.	4.2	7
315	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. Mobile Information Systems, 2019, 2019, 1-12.	0.6	40
316	A Hybrid Computing Solution and Resource Scheduling Strategy for Edge Computing in Smart Manufacturing. IEEE Transactions on Industrial Informatics, 2019, 15, 4225-4234.	11.3	155
317	RTRD: Real-Time Route Discovery for Urban Scenarios Using Internet of Things. , 2019, , .		1
318	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinsonâ€™s Leveraging 5G Spectrum with Deep Learning. Electronics (Switzerland), 2019, 8, 1433.	3.1	23
319	A Blockchain Model for Fair Data Sharing in Deregulated Smart Grids. , 2019, , .		50
320	Programmable Wireless Channel for Multi-User MIMO Transmission Using Meta-Surface. , 2019, , .		15
321	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks. , 2019, , .		10
322	On the Viable Area of Wireless Practical Byzantine Fault Tolerance (PBFT) Blockchain Networks. , 2019, , .		28
323	Reinforcement Learning driven Energy Efficient Mobile Communication and Applications. , 2019, , .		7
324	Cloud Based Secure Service Providing for IoTs Using Blockchain. , 2019, , .		61

#	ARTICLE	IF	CITATIONS
325	Monitoring Quality Control of Fruits Using Terahertz Sensing. , 2019, , .		0
326	Improving Cognitive Ability of Edge Intelligent IIoT through Machine Learning. IEEE Network, 2019, 33, 61-67.	6.9	57
327	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. IEEE Access, 2019, 7, 180898-180909.	4.2	21
328	Health Activities Monitoring and Warning System for Geriatric Daily Living in Extra Care Homes. , 2019, , .		3
329	An Overview of Post-Disaster Emergency Communication Systems in the Future Networks. IEEE Wireless Communications, 2019, 26, 132-139.	9.0	54
330	A Systematic Review of Project Allocation Methods in Undergraduate Transnational Engineering Education. Education Sciences, 2019, 9, 258.	2.6	8
331	A Secure Occupational Therapy Framework for Monitoring Cancer Patientsâ€™ Quality of Life. Sensors, 2019, 19, 5258.	3.8	19
332	Error Probability Analysis of Non-Orthogonal Multiple Access for Relaying Networks with Residual Hardware Impairments. , 2019, , .		6
333	Establishing A Novel Technique for the Detection of Water Contamination Using Terahertz Waves. , 2019, , .		1
334	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. Future Generation Computer Systems, 2019, 92, 444-453.	7.5	43
335	Real-time big data processing for anomaly detection: A Survey. International Journal of Information Management, 2019, 45, 289-307.	17.5	245
336	Emergency Message Dissemination Schemes Based on Congestion Avoidance in VANET and Vehicular FoG Computing. IEEE Access, 2019, 7, 1570-1585.	4.2	63
337	Secure and efficient data delivery for fog-assisted wireless body area networks. Peer-to-Peer Networking and Applications, 2019, 12, 1289-1307.	3.9	16
338	Cloud-assisted gamification for education and learning â€“ Recent advances and challenges. Computers and Electrical Engineering, 2019, 74, 22-34.	4.8	66
339	Mobile crowd sensing â€“ Taxonomy, applications, challenges, and solutions. Computers in Human Behavior, 2019, 101, 352-370.	8.5	56
340	Evaluation of ultra-wideband in vivo radio channel and its effects on system performance. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3530.	3.9	6
341	Efficient Brain Tumor Segmentation With Multiscale Two-Pathway-Group Conventional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1911-1919.	6.3	120
342	A novel countermeasure technique for reactive jamming attack in internet of things. Multimedia Tools and Applications, 2019, 78, 29899-29920.	3.9	27

#	ARTICLE	IF	CITATIONS
343	Process state synchronization-based application execution management for mobile edge/cloud computing. <i>Future Generation Computer Systems</i> , 2019, 91, 579-589.	7.5	25
344	Cognitive Sensors Based on Ridge Phase-Smoothing Localization and Multiregional Histograms of Oriented Gradients. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2019, 7, 123-134.	4.6	7
345	A Critical Analysis of Mobility Management Related Issues of Wireless Sensor Networks in Cyber Physical Systems. <i>IEEE Access</i> , 2018, 6, 16363-16376.	4.2	9
346	Managing big RDF data in clouds: Challenges, opportunities, and solutions. <i>Sustainable Cities and Society</i> , 2018, 39, 375-386.	10.4	29
347	Radio Resource Management Scheme in NB-IoT Systems. <i>IEEE Access</i> , 2018, 6, 15051-15064.	4.2	115
348	Channel Clustering and QoS Level Identification Scheme for Multi-Channel Cognitive Radio Networks. <i>IEEE Communications Magazine</i> , 2018, 56, 164-171.	6.1	24
349	5G for Vehicular Communications. , 2018, 56, 111-117.		272
350	Techno economic analysis of a wind-photovoltaic-biomass hybrid renewable energy system for rural electrification: A case study of Kallar Kahar. <i>Energy</i> , 2018, 148, 208-234.	8.8	242
351	Adaptive Transmission Optimization in SDN-Based Industrial Internet of Things With Edge Computing. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1351-1360.	8.7	200
352	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. <i>IEEE Access</i> , 2018, 6, 9655-9666.	4.2	16
353	Recent Advances and Challenges in Mobile Big Data. , 2018, 56, 102-108.		47
354	Toward Dynamic Resources Management for IoT-Based Manufacturing. , 2018, 56, 52-59.		132
355	Big Data Analytics in Industrial IoT Using a Concentric Computing Model. , 2018, 56, 37-43.		101
356	A Survey of Self-Interference Management Techniques for Single Frequency Full Duplex Systems. <i>IEEE Access</i> , 2018, 6, 30242-30268.	4.2	81
357	Spectrum Efficient MIMO-FBMC System Using Filter Output Truncation. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 2367-2381.	6.3	15
358	A zero-watermarking algorithm for privacy protection in biomedical signals. <i>Future Generation Computer Systems</i> , 2018, 82, 290-303.	7.5	27
359	A reconfigurable scatternet formation and maintenance scheme with heterogeneous services for smart Bluetooth devices. <i>Sustainable Cities and Society</i> , 2018, 40, 589-599.	10.4	4
360	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. <i>IEEE Access</i> , 2018, 6, 16610-16622.	4.2	31

#	ARTICLE	IF	CITATIONS
361	Performance Analysis and Optimization of DCT-Based Multicarrier System on Frequency-Selective Fading Channels. IEEE Access, 2018, 6, 13075-13089.	4.2	11
362	A simple security policy enforcement system for an institution using SDN controller. , 2018, , .		5
363	Cloud-based smart manufacturing for personalized candy packing application. Journal of Supercomputing, 2018, 74, 4339-4357.	3.6	42
364	A Novel Load-Balancing Scheme for Cellular-WLAN Heterogeneous Systems With a Cell-Breathing Technique. IEEE Systems Journal, 2018, 12, 2094-2105.	4.6	6
365	Narrowband Internet of Things (NB-IoT) and LTE Systems Co-Existence Analysis. , 2018, , .		8
366	Dynamic Wireless QoS Analysis for Real-Time Control in URLLC. , 2018, , .		9
367	Universal Access in 5G Networks: Potential Challenges and Opportunities for Urban and Rural Environments. , 2018, , 299-326.		3
368	A Joint Filtering and Precoding Based Uplink MC-NOMA. , 2018, , .		0
369	Q-Learning for energy balancing and avoiding the void hole routing protocol in underwater sensor networks. , 2018, , .		13
370	Extending the Technology Acceptance Model for Use of e-Learning Systems by Digital Learners. IEEE Access, 2018, 6, 73395-73404.	4.2	52
371	Fog-assisted Congestion Avoidance Scheme for Internet of Vehicles. , 2018, , .		6
372	Truncated Channel Inversion Power Control for the Uplink of mmWave Cellular Networks. , 2018, , .		3
373	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. IEEE Access, 2018, 6, 67338-67359.	4.2	6
374	Cell Coverage Degradation Detection Using Deep Learning Techniques. , 2018, , .		10
375	Guest Editorial Emerging Technologies in Tactile Internet and Backhaul/Fronthaul Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2387-2389.	14.0	1
376	Dynamic QoS Allocation for Real-Time Wireless Control in Tactile Internet. , 2018, , .		5
377	Enabling Wireless Communications and Networking Technologies of Edge Computing. IEEE Communications Magazine, 2018, 56, 94-95.	6.1	0
378	Performance Analysis of Priority-Based IEEE 802.15.6 Protocol in Saturated Traffic Conditions. IEEE Access, 2018, 6, 66198-66209.	4.2	14

#	ARTICLE	IF	CITATIONS
379	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.	3.6	15
380	Buffer Occupancy Based Link Prioritization for Cooperative Wireless Networks. , 2018, , .		4
381	A New Insight Towards Buffer-Aided Relaying in Cooperative Wireless Networks. , 2018, , .		1
382	Simultaneous Wireless Information and Power Transfer for Buffer-Aided Cooperative Relaying Systems. , 2018, , .		2
383	VANETâ€™LTE based heterogeneous vehicular clustering for driving assistance and route planning applications. <i>Computer Networks</i> , 2018, 145, 128-140.	5.1	30
384	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. <i>IEEE Wireless Communications</i> , 2018, 25, 32-39.	9.0	47
385	The Role of Edge Computing in Internet of Things. <i>IEEE Communications Magazine</i> , 2018, 56, 110-115.	6.1	260
386	Co-EEORS: Cooperative Energy Efficient Optimal Relay Selection Protocol for Underwater Wireless Sensor Networks. <i>IEEE Access</i> , 2018, 6, 28777-28789.	4.2	60
387	Technology-Assisted Decision Support System for Efficient Water Utilization: A Real-Time Testbed for Irrigation Using Wireless Sensor Networks. <i>IEEE Access</i> , 2018, 6, 25686-25697.	4.2	45
388	Sub-Graph Based Joint Sparse Graph for Sparse Code Multiple Access Systems. <i>IEEE Access</i> , 2018, 6, 25066-25080.	4.2	13
389	Intracell Interference Characterization and Cluster Interference for D2D Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 8536-8548.	6.3	4
390	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.	1.2	23
391	A Novel Orthogonal Transmission Scheme for Visible Light Communication. , 2018, , .		3
392	Minimizing Wireless Resource Consumption for Packetized Predictive Control in Real-Time Cyber Physical Systems. , 2018, , .		16
393	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. <i>IEEE Access</i> , 2018, 6, 41903-41920.	4.2	70
394	SDN-Based Load Balancing Service for Cloud Servers. <i>IEEE Communications Magazine</i> , 2018, 56, 106-111.	6.1	49
395	On the PAPR Reduction: A Novel Filtering Based Hadamard Transform Precoded Uplink MC-NOMA Scheme for 5G Cellular Networks. , 2018, , .		8
396	A hybrid precodingâ€and filteringâ€based uplink MCâ€NOMA scheme for 5G cellular networks with reduced PAPR. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018, 29, e3501.	3.9	4

#	ARTICLE	IF	CITATIONS
397	FPGA Implementation of UFMC Based Baseband Transmitter: Case Study for LTE 10MHz Channelization. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-12.	1.2	8
398	Chaos-based robust method of zero-watermarking for medical signals. <i>Future Generation Computer Systems</i> , 2018, 88, 400-412.	7.5	20
399	Delay and energy consumption analysis of priority guaranteed MAC protocol for wireless body area networks. <i>Wireless Networks</i> , 2017, 23, 1249-1266.	3.0	60
400	Internet of Vehicles for E-Health Applications: A Potential Game for Optimal Network Capacity. <i>IEEE Systems Journal</i> , 2017, 11, 1888-1896.	4.6	23
401	Enabling Mobile and Wireless Technologies for Smart Cities. , 2017, 55, 74-75.		15
402	Region based cooperative routing in underwater wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2017, 92, 31-41.	9.1	37
403	On energy efficiency in underwater wireless sensor networks with cooperative routing. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 173-188.	2.5	28
404	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 1423-1436.	9.2	34
405	Heterogeneity-Aware Task Allocation in Mobile Ad Hoc Cloud. <i>IEEE Access</i> , 2017, 5, 1779-1795.	4.2	35
406	An Automatic Digital Audio Authentication/Forensics System. <i>IEEE Access</i> , 2017, 5, 2994-3007.	4.2	19
407	Social-Aware Resource Allocation and Optimization for D2D Communication. <i>IEEE Wireless Communications</i> , 2017, 24, 122-129.	9.0	43
408	Enabling Mobile and Wireless Technologies for Smart Cities: Part 3. , 2017, 55, 24-25.		0
409	Blind Detection of Copy-Move Forgery in Digital Audio Forensics. <i>IEEE Access</i> , 2017, 5, 12843-12855.	4.2	45
410	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. <i>IEEE Wireless Communications</i> , 2017, 24, 10-16.	9.0	442
411	Characterizing the role of vehicular cloud computing in road traffic management. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771770872.	2.2	37
412	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. <i>IEEE Access</i> , 2017, 5, 11540-11556.	4.2	126
413	Cloud robotics in Smart Manufacturing Environments: Challenges and countermeasures. <i>Computers and Electrical Engineering</i> , 2017, 63, 56-65.	4.8	44
414	Electromagnetic Emission-Aware Scheduling for the Uplink of Multicell OFDM Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 8212-8222.	6.3	7

#	ARTICLE	IF	CITATIONS
415	Enabling Mobile and Wireless Technologies for Smart Cities: Part 2. , 2017, 55, 12-13.		8
416	Internet-of-Things-Based Smart Cities: Recent Advances and Challenges. , 2017, 55, 16-24.		455
417	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges. , 2017, 55, 194-201.		92
418	The rise of ransomware and emerging security challenges in the Internet of Things. Computer Networks, 2017, 129, 444-458.	5.1	197
419	Balanced Energy Efficient Rectangular routing protocol for Underwater Wireless Sensor Networks. , 2017, , .		6
420	SMPC: Singular division of Multipath Power Control tree based routing protocol for Underwater Wireless Sensor Networks. , 2017, , .		2
421	Coverage analysis in the uplink of mmWave cellular networks. , 2017, , .		5
422	Towards energy balancing in heterogeneous Wireless Sensor Networks. , 2017, , .		0
423	Buffer size and link quality based cooperative relay selection in wireless networks. , 2017, , .		10
424	Coverage hole alleviation using geographic routing for WSNs. , 2017, , .		2
425	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2392-2431.	39.4	352
426	Overcoming the Key Challenges to Establishing Vehicular Communication: Is SDN the Answer?. , 2017, 55, 128-134.		88
427	Performance analysis of a buffer-aided incremental relaying in cooperative wireless network. , 2017, , .		5
428	Process state synchronization for mobility support in mobile cloud computing. , 2017, , .		15
429	Big data analytics of geosocial media for planning and real-time decisions. , 2017, , .		11
430	Hardware Complexity Reduction in Universal Filtered Multicarrier Transmitter Implementation. IEEE Access, 2017, 5, 13401-13408.	4.2	20
431	Employing antenna selection to improve energy efficiency in massive MIMO systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3212.	3.9	12
432	Enhancing Quality-of-Service Conditions Using a Cross-Layer Paradigm for Ad-Hoc Vehicular Communication. IEEE Access, 2017, 5, 12404-12416.	4.2	11

#	ARTICLE	IF	CITATIONS
433	The role of big data analytics in Internet of Things. <i>Computer Networks</i> , 2017, 129, 459-471.	5.1	439
434	A detection and prevention system against collaborative attacks in Mobile Ad hoc Networks. <i>Future Generation Computer Systems</i> , 2017, 68, 416-427.	7.5	42
435	Bringing Computation Closer toward the User Network: Is Edge Computing the Solution?. , 2017, 55, 138-144.		152
436	Energy hole avoidance based routing for underwater WSNs. , 2017, , .		1
437	Energy Efficiency Perspectives of Femtocells in Internet of Things: Recent Advances and Challenges. <i>IEEE Access</i> , 2017, 5, 26808-26818.	4.2	19
438	IEEE Access Special Section Editorial: Health Informatics for the Developing World. <i>IEEE Access</i> , 2017, 5, 27818-27823.	4.2	8
439	On Connectivity of Wireless Sensor Networks with Directional Antennas. <i>Sensors</i> , 2017, 17, 134.	3.8	36
440	Value-Based Caching in Information-Centric Wireless Body Area Networks. <i>Sensors</i> , 2017, 17, 181.	3.8	14
441	A Quantitative Risk Assessment Model Involving Frequency and Threat Degree under Line-of-Business Services for Infrastructure of Emerging Sensor Networks. <i>Sensors</i> , 2017, 17, 642.	3.8	10
442	Design and Analysis of an Efficient Energy Algorithm in Wireless Social Sensor Networks. <i>Sensors</i> , 2017, 17, 2166.	3.8	4
443	Handover Based IMS Registration Scheme for Next Generation Mobile Networks. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-15.	1.2	1
444	Improving the Security in Healthcare Information System Through Elman Neural Network Based Classifier. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1429-1435.	0.3	6
445	Towards Intrusion Detection to Secure VANET-Assisted Healthcare Monitoring System. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1391-1398.	0.3	3
446	Logical sub-region with sink mobility for throughput maximization and energy consumption minimization in rectangular UWSNs. , 2017, , .		0
447	Automatic Gender Detection Based on Characteristics of Vocal Folds for Mobile Healthcare System. <i>Mobile Information Systems</i> , 2016, 2016, 1-12.	0.6	22
448	Disjoint Key Establishment Protocol for Wireless Sensor and Actor Networks. <i>Journal of Sensors</i> , 2016, 2016, 1-15.	1.1	1
449	A Framework and Mathematical Modeling for the Vehicular Delay Tolerant Network Routing. <i>Mobile Information Systems</i> , 2016, 2016, 1-14.	0.6	1
450	An Enhanced Energy Balanced Data Transmission Protocol for Underwater Acoustic Sensor Networks. <i>Sensors</i> , 2016, 16, 487.	3.8	59

#	ARTICLE	IF	CITATIONS
451	Mobile Crowd Sensing for Traffic Prediction in Internet of Vehicles. <i>Sensors</i> , 2016, 16, 88.	3.8	200
452	Efficient Data Gathering in 3D Linear Underwater Wireless Sensor Networks Using Sink Mobility. <i>Sensors</i> , 2016, 16, 404.	3.8	54
453	Secure Authentication for Remote Patient Monitoring with Wireless Medical Sensor Networks. <i>Sensors</i> , 2016, 16, 424.	3.8	65
454	A multi-hop angular routing protocol for wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771666294.	2.2	10
455	Hadoop Based Real-Time Intrusion Detection for High-Speed Networks. , 2016, , .		14
456	Modeling induction and routing to monitor hospitalized patients in multi-hop mobility-aware body area sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016, 2016, .	2.4	5
457	High-Speed Network Traffic Analysis: Detecting VoIP Calls in Secure Big Data Streaming. , 2016, , .		3
458	Internet of Things (IoT) in 5G Wireless Communications. <i>IEEE Access</i> , 2016, 4, 10310-10314.	4.2	123
459	Software-Defined Industrial Internet of Things in the Context of Industry 4.0. <i>IEEE Sensors Journal</i> , 2016, , 1-1.	4.7	351
460	An Advanced Energy Consumption Model for terrestrial Wireless Sensor Networks. , 2016, , .		12
461	BIETX: A new quality link metric for Static Wireless Multi-hop Networks. , 2016, , .		2
462	Mobile ad hoc cloud: A survey. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 2572-2589.	1.2	87
463	Green industrial networking: recent advances, taxonomy, and open research challenges. , 2016, 54, 38-45.		12
464	Extrinsic Information Modification in the Turbo Decoder by Exploiting Source Redundancies for HEVC Video Transmitted Over a Mobile Channel. <i>IEEE Access</i> , 2016, 4, 7186-7198.	4.2	2
465	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. <i>IEEE Wireless Communications</i> , 2016, 23, 10-16.	9.0	315
466	Energy Efficient and Reliable Data Gathering in Underwater WSNs. , 2016, , .		1
467	Dual Sink Efficient Balanced Energy Technique for Underwater Acoustic Sensor Networks. , 2016, , .		12
468	Security in Software-Defined Networking: Threats and Countermeasures. <i>Mobile Networks and Applications</i> , 2016, 21, 764-776.	3.3	147

#	ARTICLE	IF	CITATIONS
469	Sink mobility aware energy-efficient network integrated super heterogeneous protocol for WSNs. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	18
470	An adaptive and efficient buffer management scheme for resource-constrained delay tolerant networks. Wireless Networks, 2016, 22, 2189-2201.	3.0	11
471	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.	3.0	8
472	Formal verification and validation of a movement control actor relocation algorithm for safety-critical applications. Wireless Networks, 2016, 22, 247-265.	3.0	29
473	Implementing Partitioning Detection and Connectivity Restoration in WSN Using VDM-SL. , 2015, , .		26
474	Depth-Based Energy-Balanced Hybrid Routing Protocol for Underwater WSNs. , 2015, , .		6
475	Enabling Technologies for Next-Generation Sensor Networks: Prospects, Issues, Solutions, and Emerging Trends. International Journal of Distributed Sensor Networks, 2015, 11, 634268.	2.2	1
476	Formalizing Mobile Ad Hoc and Sensor Networks Using VDM-SL. Procedia Computer Science, 2015, 63, 148-153.	2.0	20
477	Energy Aware Simple Ant Routing Algorithm for Wireless Sensor Networks. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	2
478	Comparative Analysis of Classifiers for Developing an Adaptive Computer-Assisted EEG Analysis System for Diagnosing Epilepsy. BioMed Research International, 2015, 2015, 1-14.	1.9	15
479	AAERP: Advanced AUV-Aided Energy Efficient Routing Protocol for Underwater WSNs. , 2015, , .		7
480	DYN-NbC: A New Routing Scheme to Maximize Lifetime and Throughput of WSNs. , 2015, , .		1
481	On Data Fusion for Orientation Sensing in WBASNs Using Smart Phones. , 2015, , .		0
482	A Multi-Parameter Based Vertical Handover Decision Scheme for M2M Communications in HetMANET. , 2015, , .		2
483	Interference Aware Inverse EEDBR protocol for Underwater WSNs. , 2015, , .		10
484	A novel mechanism for restoring actor connected coverage in wireless sensor and actor networks. , 2015, , .		8
485	Modeling mobility and psychological stress based human postural changes in wireless body area networks. Computers in Human Behavior, 2015, 51, 1042-1053.	8.5	27
486	Co-LAEEBA: Cooperative link aware and energy efficient protocol for wireless body area networks. Computers in Human Behavior, 2015, 51, 1205-1215.	8.5	97

#	ARTICLE	IF	CITATIONS
487	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.	8.5	110
488	DSM: Dynamic Sink Mobility Equipped DBR for Underwater WSNs. Procedia Computer Science, 2015, 52, 560-567.	2.0	14
489	A Lightweight Key Freshness Scheme for Wireless Sensor Networks. , 2015, , .		16
490	Incremental Relay Based Cooperative Communication in Wireless Body Area Networks. Procedia Computer Science, 2015, 52, 552-559.	2.0	14
491	Chain-Based Communication in Cylindrical Underwater Wireless Sensor Networks. Sensors, 2015, 15, 3625-3649.	3.8	32
492	A Survey of Home Energy Management for Residential Customers. , 2015, , .		14
493	Energy Efficient Strategy for Throughput Improvement in Wireless Sensor Networks. Sensors, 2015, 15, 2473-2495.	3.8	33
494	Securing software defined networks: taxonomy, requirements, and open issues. , 2015, 53, 36-44.		143
495	Automatic Modulation Classification for Low SNR Digital Signal in Frequency-Selective Fading Environments. Wireless Personal Communications, 2015, 84, 1891-1906.	2.7	9
496	A Near-Optimal LLR Based Cooperative Spectrum Sensing Scheme for CRAHNS. IEEE Transactions on Wireless Communications, 2015, 14, 3877-3887.	9.2	12
497	DYN-NbC-JSM: Dynamic Joint Sink Mobility with Need-Based Clustering in WSNs. , 2015, , .		2
498	Extended Gradient RSSI Predictor and Filter for Signal Prediction and Filtering in Communication Holes. Wireless Personal Communications, 2015, 83, 297-314.	2.7	13
499	A Fatigue Measuring Protocol for Wireless Body Area Sensor Networks. Journal of Medical Systems, 2015, 39, 193.	3.6	7
500	BEC: A novel routing protocol for balanced energy consumption in Wireless Body Area Networks. , 2015, , .		26
501	Analysis of Detection Features for Wormhole Attacks in MANETs. Procedia Computer Science, 2015, 56, 384-390.	2.0	25
502	Extended Lifetime Based Elliptical Sink-Mobility in Depth Based Routing Protocol for UWSNs. , 2015, , .		3
503	An energy-efficient distributed clustering algorithm for heterogeneous WSNs. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	43
504	Depth-Based Energy-Balanced Hybrid Routing Protocol for Underwater WSNs. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
505	Detection and Prevention of Black Hole Attacks in Mobile Ad hoc Networks. Lecture Notes in Computer Science, 2015, , 111-122.	1.3	6
506	Secure Key Distribution Using Fragmentation and Assimilation in Wireless Sensor and Actor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 542856.	2.2	5
507	Performance analysis of Automatic Modulation Classification in multipath fading environment. , 2014, , .		3
508	A Log-likelihood based Cooperative Spectrum Sensing Scheme for Cognitive Radio Networks. Procedia Computer Science, 2014, 37, 196-202.	2.0	6
509	iA-MAC: Improved Adaptive Medium Access Control protocol for Wireless Body Area Networks. , 2014, , .		8
510	A Hybrid and Secure Priority-Guaranteed MAC Protocol for Wireless Body Area Network. International Journal of Distributed Sensor Networks, 2014, 10, 481761.	2.2	36
511	Uplink non-orthogonal multiple access for 5G wireless networks. , 2014, , .		270
512	A Weighted Linear Combining Scheme for Cooperative Spectrum Sensing. Procedia Computer Science, 2014, 32, 149-157.	2.0	17
513	Fortifying Intrusion Detection Systems in Dynamic Ad Hoc and Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 608162.	2.2	16
514	A Multi-Parameter Based Vertical Handover Decision Scheme for M2M Communications in HetMANET. , 2014, , .		0
515	Formal Specification and Validation of a Localized Algorithm for Segregation of Critical/Noncritical Nodes in MAHSNs. International Journal of Distributed Sensor Networks, 2014, 10, 140973.	2.2	25
516	Localized Algorithm for Segregation of Critical/Non-critical Nodes in Mobile Ad Hoc and Sensor Networks. Procedia Computer Science, 2013, 19, 1167-1172.	2.0	35
517	CARE: Coverage-aware connectivity restoration algorithm for mobile actor/robot networks. , 2013, , .		1
518	Performance analysis of reactive connectivity restoration algorithms for wireless sensor and actor networks. , 2013, , .		46
519	Performance analysis of mixed polling schemes with multiple classes of self-similar traffic input to build comprehensive SLAs. , 2013, , .		1
520	Impact of Massive MIMO systems on future M2M communication. , 2013, , .		13
521	Application-centric recovery algorithm for wireless sensor and actor networks. International Journal of Communication Networks and Distributed Systems, 2013, 10, 379.	0.4	12
522	Formal Specification and Validation of a Hybrid Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. Sensors, 2012, 12, 11754-11781.	3.8	32

#	ARTICLE	IF	CITATIONS
523	A novel wireless sensor and actor network framework for autonomous monitoring and maintenance of lifeline infrastructures. , 2012, , .		10
524	Efficient movement control actor relocation for honing connected coverage in wireless sensor and actor networks. , 2012, , .		4
525	Resource efficient connectivity restoration algorithm for mobile sensor/actor networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	22
526	Localized motion-based connectivity restoration algorithms for wireless sensor and actor networks. Journal of Network and Computer Applications, 2012, 35, 844-856.	9.1	71
527	Application-Centric Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. Lecture Notes in Computer Science, 2011, , 243-253.	1.3	11
528	Volunteer-instigated connectivity restoration algorithm for Wireless Sensor and Actor Networks. , 2010, , .		33
529	A survey of simulators, emulators and testbeds for wireless sensor networks. , 2010, , .		86
530	Partitioning Detection and Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. , 2010, , .		28
531	Towards Optimal Fault Tolerant Scheduling in Computational Grid. , 2007, , .		6
532	Component Based Proactive Fault Tolerant Scheduling in Computational Grid. , 2007, , .		4
533	Extracting built-up areas from spectro-textural information using machine learning. Soft Computing, 0, , 1.	3.6	4