Muhammad Ali Imran

List of Publications by Year
in descending order

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	A Dispersed Federated Learning Framework for 6G-Enabled Autonomous Driving Cars. IEEE Transactions on Network Science and Engineering, 2024, , 1-12.	4.1	14
2	Performance analysis of machine learning classifiers for non-technical loss detection. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15327-15342.	3.3	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.	3.2	27
4	Automated methods for diagnosis of Parkinson's disease and predicting severity level. Neural Computing and Applications, 2023, 35, 14499-14534.	3.2	20
5	Data Evolution Governance for Ontology-Based Digital Twin Product Lifecycle Management. IEEE Transactions on Industrial Informatics, 2023, 19, 1791-1802.	7.2	9
6	Clustering-based real-time anomaly detection—A breakthrough in big data technologies. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3647.	2.6	33
7	A Fog-Centric Secure Cloud Storage Scheme. IEEE Transactions on Sustainable Computing, 2022, 7, 250-262.	2.2	15
8	Digital Hadith authentication: Recent advances, open challenges, and future directions. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3977.	2.6	6
9	An IoT-based smart healthcare system to detect dysphonia. Neural Computing and Applications, 2022, 34, 11255-11265.	3.2	7
10	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
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.	3.5	8
12	A cooperative crowdsensing system based on flying and ground vehicles to control respiratory viral disease outbreaks. Ad Hoc Networks, 2022, 124, 102699.	3.4	12
13	Joint Communication and Control for mmWave/THz Beam Alignment in V2X Networks. IEEE Internet of Things Journal, 2022, 9, 11203-11213.	5.5	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.	3.9	4
15	Performance of Reconfigurable Intelligent Surfaces in the Presence of Generalized Gaussian Noise. IEEE Communications Letters, 2022, 26, 773-777.	2.5	3
16	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review. Journal of Pharmaceutical Analysis, 2022, 12, 193-204.	2.4	30
17	Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494.	2.4	105
18	Formal Modeling and Verification of a Blockchain-Based Crowdsourcing Consensus Protocol. IEEE Access, 2022, 10, 8163-8183.	2.6	9

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19	An Efficient Network Intrusion Detection and Classification System. Mathematics, 2022, 10, 530.	1.1	24
20	Efficient Channel Equalization and Symbol Detection for MIMO OTFS Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6672-6686.	6.1	6
21	Context-Aware Wireless Connectivity and Processing Unit Optimization for IoT Networks. IEEE Internet of Things Journal, 2022, 9, 16028-16043.	5.5	2
22	Multi-User Beamforming and Transmission Based on Intelligent Reflecting Surface. IEEE Transactions on Wireless Communications, 2022, 21, 7329-7342.	6.1	2
23	Non-Invasive Localization Using Software-Defined Radios. IEEE Sensors Journal, 2022, 22, 9018-9026.	2.4	8
24	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. Sensors, 2022, 22, 2688.	2.1	17
25	An intelligent and efficient network intrusion detection system using deep learning. Computers and Electrical Engineering, 2022, 99, 107764.	3.0	18
26	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. Applied Sciences (Switzerland), 2022, 12, 3665.	1.3	14
27	A Covariance Matrix Reconstruction Approach for Single Snapshot Direction of Arrival Estimation. Sensors, 2022, 22, 3096.	2.1	5
28	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.	2.6	2
29	EXECUTE: Exploring Eye Tracking to Support E-learning. , 2022, , .		6
30	Machine learningâ€‘assisted directionâ€‘ofâ€‘arrival accuracy enhancement technique using oversized lensâ€‘loaded cavity. IET Microwaves, Antennas and Propagation, 2022, 16, 305-315.	0.7	2
31	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions. Sensors, 2022, 22, 3329.	2.1	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, .	1.6	3
35	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
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. Computer Communications, 2022, 192, 384-401.	3.1	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. IEEE Internet of Things Journal, 2021, 8, 15796-15806.	5.5	49
42	Service Provisioning Framework for RAN Slicing: User Admissibility, Slice Association and Bandwidth Allocation. IEEE Transactions on Mobile Computing, 2021, 20, 3409-3422.	3.9	40
43	Rate-Latency Optimization for NB-IoT With Adaptive Resource Unit Configuration in Uplink Transmission. IEEE Systems Journal, 2021, 15, 265-276.	2.9	18
44	A Cooperative Massive MIMO System for Future <i>In Vivo</i> Nanonetworks. IEEE Systems Journal, 2021, 15, 331-337.	2.9	14
45	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
46	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. IEEE Internet of Things Journal, 2021, 8, 9549-9558.	5.5	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. Electronic Markets, 2021, 31, 181-195.	4.4	37
48	Lightweight Searchable Encryption Protocol for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 4248-4259.	7.2	49
49	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
50	An intelligent healthcare monitoring framework using wearable sensors and social networking data. Future Generation Computer Systems, 2021, 114, 23-43.	4.9	215
51	CRT-BIoV: A Cognitive Radio Technique for Blockchain-Enabled Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4005-4015.	4.7	35
52	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. IEEE Internet of Things Journal, 2021, 8, 9664-9671.	5.5	21
53	Handwriting dynamics assessment using deep neural network for early identification of Parkinsonâ€™s disease. Future Generation Computer Systems, 2021, 117, 234-244.	4.9	67
54	A lightweight cyber security framework with context-awareness for pervasive computing environments. Sustainable Cities and Society, 2021, 66, 102610.	5.1	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.	9.7	33
56	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
57	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leipnik Maps. IEEE Sensors Journal, 2021, 21, 3669-3679.	2.4	23
58	Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1.	2.7	5
59	IEEE Access Special Section Editorial: Emerging Trends, Issues, and Challenges in Underwater Acoustic Sensor Networks. IEEE Access, 2021, 9, 5862-5869.	2.6	1
60	A multiband circular polarization selective metasurface for microwave applications. Scientific Reports, 2021, 11, 1774.	1.6	15
61	Smart Dynamic Traffic Monitoring and Enforcement System. Computers, Materials and Continua, 2021, 67, 2797-2806.	1.5	0
62	Simulation of Crystalline Silicon Photovoltaic Cells for Wearable Applications. IEEE Access, 2021, 9, 20868-20877.	2.6	15
63	Deep Learning-Based Approach for Detecting Trajectory Modifications of Cassini-Huygens Spacecraft. IEEE Access, 2021, 9, 39111-39125.	2.6	0
64	DRX‐based energy‐efficient supervised machine learning algorithm for mobile communication networks. IET Communications, 2021, 15, 1000-1013.	1.5	10
65	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. IEEE Sensors Journal, 2021, 21, 5111-5118.	2.4	19
66	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. Micromachines, 2021, 12, 250.	1.4	10
67	An intelligent content caching protocol for connected vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4231.	2.6	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.	2.6	33
70	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. Micromachines, 2021, 12, 322.	1.4	55
71	Resource Optimization-Based Software Risk Reduction Model for Large-Scale Application Development. Sustainability, 2021, 13, 2602.	1.6	2
72	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

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73	Traffic accident detection and condition analysis based on social networking data. Accident Analysis and Prevention, 2021, 151, 105973.	3.0	99
74	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. IEEE Sensors Journal, 2021, 21, 9457-9464.	2.4	51
75	Compact Elliptical UWB Antenna for Underwater Wireless Communications. Micromachines, 2021, 12, 411.	1.4	13
76	ROCA: Autoâ€resolving overlapping and conflicts in Access Control List policies for Software Defined Networking. International Journal of Communication Systems, 2021, 34, e4815.	1.6	11
77	Network slicing: a next generation 5G perspective. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	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.	3.1	32
79	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. Micromachines, 2021, 12, 647.	1.4	10
80	Secure big data ecosystem architecture: challenges and solutions. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	6
81	Network Slicing for Beyond 5G Systems: An Overview of the Smart Port Use Case. Electronics (Switzerland), 2021, 10, 1090.	1.8	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.	1.8	6
83	A Scalable Multi-Layer PBFT Consensus for Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1146-1160.	4.0	184
84	Detection of impostor and tampered segments in audio by using an intelligent system. Computers and Electrical Engineering, 2021, 91, 107122.	3.0	5
85	Itâ€™s all about perceptions: A DEMATEL approach to exploring user perceptions of real estate online platforms. Ain Shams Engineering Journal, 2021, 12, 4297-4317.	3.5	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, .	6.9	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.	3.5	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.	2.0	14

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92	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. Frontiers in Big Data, 2021, 4, 640868.	1.8	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. IEEE Transactions on Communications, 2021, 69, 4717-4731.	4.9	27
95	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. Electronics (Switzerland), 2021, 10, 1603.	1.8	8
96	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
97	F-Classify: Fuzzy Rule Based Classification Method for Privacy Preservation of Multiple Sensitive Attributes. Sensors, 2021, 21, 4933.	2.1	7
98	Feasibility study of 28ÂGHz and 38ÂGHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. Physical Communication, 2021, 47, 101401.	1.2	11
99	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. Pervasive and Mobile Computing, 2021, 75, 101434.	2.1	32
100	Editorial for the Special Issue on Security and Sensing Devices for Healthcare Technologies. Micromachines, 2021, 12, 1028.	1.4	0
101	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. Sensors, 2021, 21, 5284.	2.1	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. IEEE Sensors Journal, 2021, 21, 17180-17188.	2.4	33
104	Software-defined networks for resource allocation in cloud computing: A survey. Computer Networks, 2021, 195, 108151.	3.2	34
105	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. Energies, 2021, 14, 5408.	1.6	24
106	5G-enabled contactless multi-user presence and activity detection for independent assisted living. Scientific Reports, 2021, 11, 17590.	1.6	22
107	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
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110	Impact of Inter-Gateway Distance on LoRaWAN Performance. Electronics (Switzerland), 2021, 10, 2197.	1.8	5
111	Making assembly line in supply chain robust and secure using UHF RFID. Scientific Reports, 2021, 11, 18041.	1.6	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.	3.8	10
113	A techno-economic analysis for power generation through wind energy: A case study of Pakistan. Energy Reports, 2021, 7, 1424-1443.	2.5	33
114	Intelligent energy prediction techniques for fog computing networks. Applied Soft Computing Journal, 2021, 111, 107682.	4.1	24
115	Machine learning for 5G security: Architecture, recent advances, and challenges. Ad Hoc Networks, 2021, 123, 102667.	3.4	14
116	A Novel Collaborative IoD-Assisted VANET Approach for Coverage Area Maximization. IEEE Access, 2021, 9, 61211-61223.	2.6	17
117	Treating Class Imbalance in Non-Technical Loss Detection: An Exploratory Analysis of a Real Dataset. IEEE Access, 2021, 9, 98928-98938.	2.6	8
118	Cloudlet Computing: Recent Advances, Taxonomy, and Challenges. IEEE Access, 2021, 9, 29609-29622.	2.6	35
119	Wind-to-Hydrogen Production Potential for Selected Sites in Pakistan. IEEE Access, 2021, , 1-1.	2.6	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.	2.5	0
121	Machine Learning Techniques for 5G and Beyond. IEEE Access, 2021, 9, 23472-23488.	2.6	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.	2.6	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.	3.1	1

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127	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
128	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. Electronics (Switzerland), 2021, 10, 2563.	1.8	16
129	Assessing Nitrate Contamination Risks in Groundwater: A Machine Learning Approach. Applied Sciences (Switzerland), 2021, 11, 10034.	1.3	20
130	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy Systemâ€"An NHS Hospital Case Study. Energies, 2021, 14, 7084.	1.6	7
131	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
132	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. Sustainability, 2021, 13, 12506.	1.6	47
133	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
134	5G-Enabled Education 4.0: Enabling Technologies, Challenges, and Solutions. IEEE Access, 2021, 9, 166962-166969.	2.6	17
135	Aerial Base Station Assisted Cellular Communication: Performance and Trade-Off. IEEE Transactions on Network Science and Engineering, 2021, 8, 2765-2779.	4.1	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.	1.4	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.	4.9	25
156	A Cooperative Heterogeneous Vehicular Clustering Mechanism for Road Traffic Management. International Journal of Parallel Programming, 2020, 48, 870-889.	1.1	14
157	Refining Parkinsonâ€™s neurological disorder identification through deep transfer learning. Neural Computing and Applications, 2020, 32, 839-854.	3.2	105
158	Blending Big Data Analytics: Review on Challenges and a Recent Study. IEEE Access, 2020, 8, 3629-3645.	2.6	66
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160	Countering Statistical Attacks in Cloud-Based Searchable Encryption. International Journal of Parallel Programming, 2020, 48, 470-495.	1.1	5
161	Blockchain-based data privacy management with Nudge theory in open banking. Future Generation Computer Systems, 2020, 110, 812-823.	4.9	58
162	Big data analytics for manufacturing internet of things: opportunities, challenges and enabling technologies. Enterprise Information Systems, 2020, 14, 1279-1303.	3.3	169

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164	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. IEEE Network, 2020, 34, 174-181.	4.9	155
165	A Reconfigurable Method for Intelligent Manufacturing Based on Industrial Cloud and Edge Intelligence. IEEE Internet of Things Journal, 2020, 7, 4248-4259.	5.5	48
166	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
167	Deep learning and big data technologies for IoT security. Computer Communications, 2020, 151, 495-517.	3.1	209
168	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. IEEE Sensors Journal, 2020, 20, 4891-4900.	2.4	24
169	A microservice recommendation mechanism based on mobile architecture. Journal of Network and Computer Applications, 2020, 152, 102510.	5.8	9
170	An overview on smart contracts: Challenges, advances and platforms. Future Generation Computer Systems, 2020, 105, 475-491.	4.9	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.	3.9	16
172	Dynamic Communication QoS Design for Real-Time Wireless Control Systems. IEEE Sensors Journal, 2020, 20, 3005-3015.	2.4	20
173	Model Compression for IoT Applications in Industry 4.0 via Multiscale Knowledge Transfer. IEEE Transactions on Industrial Informatics, 2020, 16, 6013-6022.	7.2	25
174	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 4171-4182.	5.5	44
175	Blockchain for cloud exchange: A survey. Computers and Electrical Engineering, 2020, 81, 106526.	3.0	86
176	Routing Schemes in FANETs: A Survey. Sensors, 2020, 20, 38.	2.1	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.	2.1	64
180	Artificial noise aided scheme to secure UAV-assisted Internet of Things with wireless power transfer. Computer Communications, 2020, 164, 1-12.	3.1	9

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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.	2.0	13
184	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. Signals, 2020, 1, 170-187.	1.2	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.	1.7	2
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195	Electricity Theft Detection using Pipeline in Machine Learning. , 2020, , .		9
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