

Muhammad Ali Imran

List of Publications by Citations

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

471
papers

10,898
citations

54
h-index

88
g-index

563
ext. papers

15,024
ext. citations

4.7
avg, IF

7.38
L-index

#	Paper	IF	Citations
471	Internet-of-Things-Based Smart Cities: Recent Advances and Challenges 2017 , 55, 16-24		312
470	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. <i>IEEE Wireless Communications</i> , 2017 , 24, 10-16	13.4	310
469	The role of big data analytics in Internet of Things. <i>Computer Networks</i> , 2017 , 129, 459-471	5.4	299
468	Software-Defined Industrial Internet of Things in the Context of Industry 4.0. <i>IEEE Sensors Journal</i> , 2016 , 1-1	4	259
467	An overview on smart contracts: Challenges, advances and platforms. <i>Future Generation Computer Systems</i> , 2020 , 105, 475-491	7.5	250
466	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 2392-2431	37.1	237
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	13.4	225
464	Uplink non-orthogonal multiple access for 5G wireless networks 2014 ,		213
463	5G for Vehicular Communications 2018 , 56, 111-117		193
462	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	16.7	173
461	Mobile Crowd Sensing for Traffic Prediction in Internet of Vehicles. <i>Sensors</i> , 2016 , 16,	3.8	161
460	The Role of Edge Computing in Internet of Things. <i>IEEE Communications Magazine</i> , 2018 , 56, 110-115	9.1	156
459	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	7.9	148
458	A Blockchain-Based Solution for Enhancing Security and Privacy in Smart Factory. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3652-3660	11.9	147
457	The rise of ransomware and emerging security challenges in the Internet of Things. <i>Computer Networks</i> , 2017 , 129, 444-458	5.4	139
456	Adaptive Transmission Optimization in SDN-Based Industrial Internet of Things With Edge Computing. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1351-1360	10.7	135
455	The role of big data analytics in industrial Internet of Things. <i>Future Generation Computer Systems</i> , 2019 , 99, 247-259	7.5	133

454	Real-time big data processing for anomaly detection: A Survey. <i>International Journal of Information Management</i> , 2019 , 45, 289-307	16.4	130
453	2015 , 53, 36-44		118
452	A Deep Learning-Based Framework for Automatic Brain Tumors Classification Using Transfer Learning. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 757-775	2.2	116
451	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5791-5802	10.7	111
450	Big data analytics for preventive medicine. <i>Neural Computing and Applications</i> , 2019 , 32, 1-35	4.8	109
449	Deep learning and big data technologies for IoT security. <i>Computer Communications</i> , 2020 , 151, 495-517	5.1	108
448	An intelligent healthcare monitoring framework using wearable sensors and social networking data. <i>Future Generation Computer Systems</i> , 2021 , 114, 23-43	7.5	108
447	Security in Software-Defined Networking: Threats and Countermeasures. <i>Mobile Networks and Applications</i> , 2016 , 21, 764-776	2.9	107
446	Bringing Computation Closer toward the User Network: Is Edge Computing the Solution? 2017 , 55, 138-144		100
445	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 1761-1804	37.1	94
444	Big data analytics for manufacturing internet of things: opportunities, challenges and enabling technologies. <i>Enterprise Information Systems</i> , 2020 , 14, 1279-1303	3.5	93
443	Toward Dynamic Resources Management for IoT-Based Manufacturing 2018 , 56, 52-59		92
442	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. <i>IEEE Access</i> , 2017 , 5, 11540-11556	3.5	90
441	Radio Resource Management Scheme in NB-IoT Systems. <i>IEEE Access</i> , 2018 , 6, 15051-15064	3.5	88
440	Securing IoTs in distributed blockchain: Analysis, requirements and open issues. <i>Future Generation Computer Systems</i> , 2019 , 100, 325-343	7.5	87
439	Internet of Things (IoT) in 5G Wireless Communications. <i>IEEE Access</i> , 2016 , 4, 10310-10314	3.5	85
438	A Hybrid Computing Solution and Resource Scheduling Strategy for Edge Computing in Smart Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4225-4234	11.9	81
437	Securing Smart Cities through Blockchain Technology: Architecture, Requirements, and Challenges. <i>IEEE Network</i> , 2020 , 34, 8-14	11.4	81

436	iM-SIMPLE: iMproved stable increased-throughput multi-hop link efficient routing protocol for Wireless Body Area Networks. <i>Computers in Human Behavior</i> , 2015 , 51, 1003-1011	7.7	79
435	Perception layer security in Internet of Things. <i>Future Generation Computer Systems</i> , 2019 , 100, 144-164	7.5	77
434	Co-LAEEBA: Cooperative link aware and energy efficient protocol for wireless body area networks. <i>Computers in Human Behavior</i> , 2015 , 51, 1205-1215	7.7	76
433	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. <i>IEEE Access</i> , 2020 , 8, 147029-147044	7.5	74
432	BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3915-3929	10.7	72
431	Transformer based Deep Intelligent Contextual Embedding for Twitter sentiment analysis. <i>Future Generation Computer Systems</i> , 2020 , 113, 58-69	7.5	70
430	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges 2017 , 55, 194-201		68
429	Overcoming the Key Challenges to Establishing Vehicular Communication: Is SDN the Answer? 2017 , 55, 128-134		67
428	Big Data Analytics in Industrial IoT Using a Concentric Computing Model 2018 , 56, 37-43		65
427	A Deep Learning Model Based on Concatenation Approach for the Diagnosis of Brain Tumor. <i>IEEE Access</i> , 2020 , 8, 55135-55144	3.5	61
426	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. <i>Computer Communications</i> , 2020 , 155, 66-83	5.1	60
425	Refining Parkinson's neurological disorder identification through deep transfer learning. <i>Neural Computing and Applications</i> , 2020 , 32, 839-854	4.8	60
424	Reconfigurable Smart Factory for Drug Packing in Healthcare Industry 4.0. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 507-516	11.9	59
423	Mobile ad hoc cloud: A survey. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 2572-2589	1.9	59
422	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. <i>IEEE Network</i> , 2020 , 34, 174-181	11.4	57
421	Efficient Brain Tumor Segmentation With Multiscale Two-Pathway-Group Conventional Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1911-1919	7.2	56
420	Localized motion-based connectivity restoration algorithms for wireless sensor and actor networks. <i>Journal of Network and Computer Applications</i> , 2012 , 35, 844-856	7.9	55
419	A survey of simulators, emulators and testbeds for wireless sensor networks 2010 ,		55

418	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. <i>IEEE Network</i> , 2020 , 34, 290-298	11.4	54
417	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. <i>Sensors</i> , 2020 , 20,	3.8	54
416	A Survey of Self-Interference Management Techniques for Single Frequency Full Duplex Systems. <i>IEEE Access</i> , 2018 , 6, 30242-30268	3.5	53
415	Secure Authentication for Remote Patient Monitoring with Wireless Medical Sensor Networks. <i>Sensors</i> , 2016 , 16, 424	3.8	50
414	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9549-9558	10.7	48
413	Blockchain for cloud exchange: A survey. <i>Computers and Electrical Engineering</i> , 2020 , 81, 106526	4.3	46
412	Delay and energy consumption analysis of priority guaranteed MAC protocol for wireless body area networks. <i>Wireless Networks</i> , 2017 , 23, 1249-1266	2.5	44
411	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	3.5	44
410	Blockchain-Enabled Internet of Medical Things to Combat COVID-19. <i>IEEE Internet of Things Magazine</i> , 2020 , 3, 52-57	3.5	43
409	A Scalable Multi-Layer PBFT Consensus for Blockchain. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 1146-1160	3.7	43
408	An Enhanced Energy Balanced Data Transmission Protocol for Underwater Acoustic Sensor Networks. <i>Sensors</i> , 2016 , 16,	3.8	42
407	Co-EEORS: Cooperative Energy Efficient Optimal Relay Selection Protocol for Underwater Wireless Sensor Networks. <i>IEEE Access</i> , 2018 , 6, 28777-28789	3.5	42
406	Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. <i>IEEE Access</i> , 2020 , 8, 149854-149867	3.5	41
405	2013 ,		40
404	A Blockchain Model for Fair Data Sharing in Deregulated Smart Grids 2019 ,		40
403	Cloud Based Secure Service Providing for IoTs Using Blockchain 2019 ,		40
402	Emergency Message Dissemination Schemes Based on Congestion Avoidance in VANET and Vehicular FoG Computing. <i>IEEE Access</i> , 2019 , 7, 1570-1585	3.5	40
401	UAV-enabled healthcare architecture: Issues and challenges. <i>Future Generation Computer Systems</i> , 2019 , 97, 425-432	7.5	39

400	Efficient Data Gathering in 3D Linear Underwater Wireless Sensor Networks Using Sink Mobility. <i>Sensors</i> , 2016 , 16,	3.8	38
399	Blockchain-based data privacy management with Nudge theory in open banking. <i>Future Generation Computer Systems</i> , 2020 , 110, 812-823	7.5	38
398	Have You Been a Victim of COVID-19-Related Cyber Incidents? Survey, Taxonomy, and Mitigation Strategies. <i>IEEE Access</i> , 2020 , 8, 124134-124144	3.5	37
397	Traffic accident detection and condition analysis based on social networking data. <i>Accident Analysis and Prevention</i> , 2021 , 151, 105973	6.1	37
396	Improving Cognitive Ability of Edge Intelligent IIoT through Machine Learning. <i>IEEE Network</i> , 2019 , 33, 61-67	11.4	37
395	Cloud-assisted gamification for education and learning [Recent advances and challenges. <i>Computers and Electrical Engineering</i> , 2019 , 74, 22-34	4.3	37
394	Performance Analysis of Different Types of Machine Learning Classifiers for Non-Technical Loss Detection. <i>IEEE Access</i> , 2020 , 8, 16033-16048	3.5	36
393	Cloud-based smart manufacturing for personalized candy packing application. <i>Journal of Supercomputing</i> , 2018 , 74, 4339-4357	2.5	36
392	SDN-Based Load Balancing Service for Cloud Servers. <i>IEEE Communications Magazine</i> , 2018 , 56, 106-111	9.1	35
391	Social-Aware Resource Allocation and Optimization for D2D Communication. <i>IEEE Wireless Communications</i> , 2017 , 24, 122-129	13.4	34
390	Data-driven prognosis method using hybrid deep recurrent neural network. <i>Applied Soft Computing Journal</i> , 2020 , 93, 106351	7.5	34
389	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. <i>IEEE Wireless Communications</i> , 2018 , 25, 32-39	13.4	34
388	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000779	10.1	33
387	Mobile crowd sensing [Taxonomy, applications, challenges, and solutions. <i>Computers in Human Behavior</i> , 2019 , 101, 352-370	7.7	33
386	2018 , 56, 102-108		32
385	Machine Learning Techniques for 5G and Beyond. <i>IEEE Access</i> , 2021 , 9, 23472-23488	3.5	32
384	Exact String Matching Algorithms: Survey, Issues, and Future Research Directions. <i>IEEE Access</i> , 2019 , 7, 69614-69637	3.5	31
383	Blending Big Data Analytics: Review on Challenges and a Recent Study. <i>IEEE Access</i> , 2020 , 8, 3629-3645	3.5	31

382	An energy-efficient distributed clustering algorithm for heterogeneous WSNs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	30
381	A Hybrid and Secure Priority-Guaranteed MAC Protocol for Wireless Body Area Network. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 481761	1.7	30
380	Extending the Technology Acceptance Model for Use of e-Learning Systems by Digital Learners. <i>IEEE Access</i> , 2018 , 6, 73395-73404	3.5	30
379	Cloud robotics in Smart Manufacturing Environments: Challenges and countermeasures. <i>Computers and Electrical Engineering</i> , 2017 , 63, 56-65	4.3	29
378	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	29
377	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. <i>IEEE Sensors Journal</i> , 2020 , 20, 2075-2083	4	29
376	Region based cooperative routing in underwater wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2017 , 92, 31-41	7.9	28
375	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4171-4182	10.7	28
374	Routing Schemes in FANETs: A Survey. <i>Sensors</i> , 2019 , 20,	3.8	28
373	Characterizing the role of vehicular cloud computing in road traffic management. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771770872	1.7	27
372	Pervasive blood pressure monitoring using Photoplethysmogram (PPG) sensor. <i>Future Generation Computer Systems</i> , 2019 , 98, 120-130	7.5	27
371	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. <i>Mobile Information Systems</i> , 2019 , 2019, 1-12	1.4	27
370	Chain-based communication in cylindrical underwater wireless sensor networks. <i>Sensors</i> , 2015 , 15, 3625-3648	3.8	27
369	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. <i>Future Generation Computer Systems</i> , 2019 , 92, 444-453	7.5	27
368	Securing Internet of Medical Things with Friendly-jamming schemes. <i>Computer Communications</i> , 2020 , 160, 431-442	5.1	26
367	Volunteer-instigated connectivity restoration algorithm for Wireless Sensor and Actor Networks 2010 ,		26
366	A Reconfigurable Method for Intelligent Manufacturing Based on Industrial Cloud and Edge Intelligence. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4248-4259	10.7	26
365	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	9.6	25

364	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. <i>IEEE Access</i> , 2018 , 6, 16610-16622	3.5	25
363	Formal Specification and Validation of a Hybrid Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks. <i>Sensors</i> , 2012 , 12, 11754-11781	3.8	25
362	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	3.5	25
361	Congestion avoidance through fog computing in internet of vehicles. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 3863-3877	3.7	24
360	Localized Algorithm for Segregation of Critical/Non-critical Nodes in Mobile Ad Hoc and Sensor Networks. <i>Procedia Computer Science</i> , 2013 , 19, 1167-1172	1.6	24
359	A Review of the State of the Art in Non-Contact Sensing for COVID-19. <i>Sensors</i> , 2020 , 20,	3.8	24
358	Hybrid Deep Learning: An Efficient Reconnaissance and Surveillance Detection Mechanism in SDN. <i>IEEE Access</i> , 2020 , 8, 134695-134706	3.5	24
357	A First Look at Privacy Analysis of COVID-19 Contact Tracing Mobile Applications. <i>IEEE Internet of Things Journal</i> , 2020 , 1-1	10.7	24
356	Heterogeneity-Aware Task Allocation in Mobile Ad Hoc Cloud. <i>IEEE Access</i> , 2017 , 5, 1779-1795	3.5	23
355	Partitioning Detection and Connectivity Restoration Algorithm for Wireless Sensor and Actor Networks 2010 ,		23
354	Energy efficient strategy for throughput improvement in wireless sensor networks. <i>Sensors</i> , 2015 , 15, 2473-95	3.8	21
353	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. <i>IEEE Access</i> , 2019 , 7, 137656-137667	3.5	21
352	On Connectivity of Wireless Sensor Networks with Directional Antennas. <i>Sensors</i> , 2017 , 17,	3.8	21
351	Modeling mobility and psychological stress based human postural changes in wireless body area networks. <i>Computers in Human Behavior</i> , 2015 , 51, 1042-1053	7.7	21
350	It's all about perceptions: A DEMATEL approach to exploring user perceptions of real estate online platforms. <i>Ain Shams Engineering Journal</i> , 2021 ,	4.4	21
349	VANETITE based heterogeneous vehicular clustering for driving assistance and route planning applications. <i>Computer Networks</i> , 2018 , 145, 128-140	5.4	21
348	UAV-enabled data acquisition scheme with directional wireless energy transfer for Internet of Things. <i>Computer Communications</i> , 2020 , 155, 184-196	5.1	20
347	Ultra-Reliable Communications for Industrial Internet of Things: Design Considerations and Channel Modeling. <i>IEEE Network</i> , 2019 , 33, 104-111	11.4	20

346	Lightweight Searchable Encryption Protocol for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4248-4259	11.9	20
345	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leibnik Maps. <i>IEEE Sensors Journal</i> , 2021 , 21, 3669-3679	4	20
344	Internet of Vehicles for E-Health Applications: A Potential Game for Optimal Network Capacity. <i>IEEE Systems Journal</i> , 2017 , 11, 1888-1896	4.3	19
343	Managing big RDF data in clouds: Challenges, opportunities, and solutions. <i>Sustainable Cities and Society</i> , 2018 , 39, 375-386	10.1	19
342	Formal Specification and Validation of a Localized Algorithm for Segregation of Critical/Noncritical Nodes in MAHSNs. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 140973	1.7	19
341	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. <i>IEEE Sensors Journal</i> , 2021 , 21, 9457-9464	4	19
340	An Overview of Post-Disaster Emergency Communication Systems in the Future Networks. <i>IEEE Wireless Communications</i> , 2019 , 26, 132-139	13.4	19
339	Handwriting dynamics assessment using deep neural network for early identification of Parkinson disease. <i>Future Generation Computer Systems</i> , 2021 , 117, 234-244	7.5	19
338	On energy efficiency in underwater wireless sensor networks with cooperative routing. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017 , 72, 173-188	2	18
337	Flow-Aware Elephant Flow Detection for Software-Defined Networks. <i>IEEE Access</i> , 2020 , 8, 72585-72597	3.5	18
336	Investigating Smart Home Security: Is Blockchain the Answer?. <i>IEEE Access</i> , 2020 , 8, 117802-117816	3.5	18
335	. <i>IEEE Communications Magazine</i> , 2018 , 56, 164-171	9.1	18
334	. <i>IEEE Access</i> , 2020 , 8, 168854-168864	3.5	18
333	BEC: A novel routing protocol for balanced energy consumption in Wireless Body Area Networks 2015 ,		17
332	. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	17
331	. <i>IEEE Internet of Things Magazine</i> , 2020 , 3, 38-43	3.5	17
330	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	17
329	A zero-watermarking algorithm for privacy protection in biomedical signals. <i>Future Generation Computer Systems</i> , 2018 , 82, 290-303	7.5	17

328	Hardware Complexity Reduction in Universal Filtered Multicarrier Transmitter Implementation. <i>IEEE Access</i> , 2017 , 5, 13401-13408	3.5	17
327	Resource efficient connectivity restoration algorithm for mobile sensor/actor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	17
326	CNN and GRU based Deep Neural Network for Electricity Theft Detection to Secure Smart Grid 2020 ,		17
325	. <i>IEEE Internet of Things Magazine</i> , 2020 , 3, 58-63	3.5	17
324	An investigation of the drivers of social commerce and e-word-of-mouth intentions: Elucidating the role of social commerce in E-business. <i>Electronic Markets</i> , 2021 , 31, 181-195	4.8	17
323	Analysis of Detection Features for Wormhole Attacks in MANETs. <i>Procedia Computer Science</i> , 2015 , 56, 384-390	1.6	16
322	An Application Development Framework for Internet-of-Things Service Orchestration. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4543-4556	10.7	16
321	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	1.9	16
320	Energy Efficiency Perspectives of Femtocells in Internet of Things: Recent Advances and Challenges. <i>IEEE Access</i> , 2017 , 5, 26808-26818	3.5	16
319	Implementing Partitioning Detection and Connectivity Restoration in WSN Using VDM-SL 2015 ,		16
318	Automatic Gender Detection Based on Characteristics of Vocal Folds for Mobile Healthcare System. <i>Mobile Information Systems</i> , 2016 , 2016, 1-12	1.4	16
317	Process state synchronization-based application execution management for mobile edge/cloud computing. <i>Future Generation Computer Systems</i> , 2019 , 91, 579-589	7.5	16
316	Big data management in participatory sensing: Issues, trends and future directions. <i>Future Generation Computer Systems</i> , 2020 , 107, 942-955	7.5	16
315	Designing a Wind Energy Harvester for Connected Vehicles in Green Cities. <i>Energies</i> , 2021 , 14, 5408	3.1	16
314	Formal verification and validation of a movement control actor relocation algorithm for safety-critical applications. <i>Wireless Networks</i> , 2016 , 22, 247-265	2.5	15
313	Blind Detection of Copy-Move Forgery in Digital Audio Forensics. <i>IEEE Access</i> , 2017 , 5, 12843-12855	3.5	15
312	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. <i>IEEE Access</i> , 2019 , 7, 70811-70827	3.5	15
311	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. <i>Micromachines</i> , 2021 , 12,	3.3	15

310	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. <i>IEEE Access</i> , 2020 , 8, 67085-67099	3.5	15
309	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	15
308	Enabling Mobile and Wireless Technologies for Smart Cities 2017 , 55, 74-75		14
307	Performance analysis of machine learning classifiers for non-technical loss detection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 1	3.7	14
306	Sink mobility aware energy-efficient network integrated super heterogeneous protocol for WSNs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	14
305	A Weighted Linear Combining Scheme for Cooperative Spectrum Sensing. <i>Procedia Computer Science</i> , 2014 , 32, 149-157	1.6	14
304	Formalizing Mobile Ad Hoc and Sensor Networks Using VDM-SL. <i>Procedia Computer Science</i> , 2015 , 63, 148-153	1.6	14
303	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. <i>Sustainability</i> , 2021 , 13, 12506	3.6	14
302	Randomized nonlinear one-class support vector machines with bounded loss function to detect of outliers for large scale IoT data. <i>Future Generation Computer Systems</i> , 2020 , 112, 715-723	7.5	14
301	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinson's Leveraging 5G Spectrum with Deep Learning. <i>Electronics (Switzerland)</i> , 2019 , 8, 1433	2.6	14
300	CRT-BIoV: A Cognitive Radio Technique for Blockchain-Enabled Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4005-4015	6.1	14
299	Cell Fault Management Using Machine Learning Techniques. <i>IEEE Access</i> , 2019 , 7, 124514-124539	3.5	13
298	Clustering-based real-time anomaly detection: A breakthrough in big data technologies. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , e3647	1.9	13
297	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications 2020 ,		13
296	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. <i>IEEE Access</i> , 2018 , 6, 9655-9666	3.5	13
295	Fortifying Intrusion Detection Systems in Dynamic Ad Hoc and Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 608162	1.7	13
294	Process state synchronization for mobility support in mobile cloud computing 2017 ,		13
293	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , 2020 , 20, 4891-4900	4	13

292	Security Risk Assessment for 5G Networks: National Perspective. <i>IEEE Wireless Communications</i> , 2020 , 27, 16-22	13.4	13
291	Advertising through UAVs: Optimized path system for delivering smart real-estate advertisement materials. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 3429-3463	8.4	13
290	An Efficient Method for Complex Antenna Design Based on a Self Adaptive Surrogate Model-Assisted Optimization Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2302-2315	4.9	13
289	A novel countermeasure technique for reactive jamming attack in internet of things. <i>Multimedia Tools and Applications</i> , 2019 , 78, 29899-29920	2.5	13
288	A Fog-centric Secure Cloud Storage Scheme. <i>IEEE Transactions on Sustainable Computing</i> , 2019 , 1-1	3.5	12
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