

Awais Ahmad

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.

105
papers

2,639
citations

25
h-index

48
g-index

114
ext. papers

3,348
ext. citations

3.6
avg, IF

5.8
L-index

#	Paper	IF	Citations
105	Urban planning and building smart cities based on the Internet of Things using Big Data analytics. <i>Computer Networks</i> , 2016 , 101, 63-80	5.4	490
104	. <i>IEEE Wireless Communications</i> , 2016 , 23, 68-74	13.4	173
103	Cooperative Cognitive Intelligence for Internet of Vehicles. <i>IEEE Systems Journal</i> , 2017 , 11, 1249-1258	4.3	105
102	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 4610-4621	4.7	104
101	Systematic literature review and empirical investigation of barriers to process improvement in global software development: Client/Vendor perspective. <i>Information and Software Technology</i> , 2017 , 87, 180-205	3.4	96
100	Deep learning in big data Analytics: A comparative study. <i>Computers and Electrical Engineering</i> , 2019 , 75, 275-287	4.3	79
99	Real-time Medical Emergency Response System: Exploiting IoT and Big Data for Public Health. <i>Journal of Medical Systems</i> , 2016 , 40, 283	5.1	76
98	IoT-Based Big Data. <i>International Journal on Semantic Web and Information Systems</i> , 2017 , 13, 28-47	1.4	72
97	Smart cyber society: Integration of capillary devices with high usability based on CyberPhysical System. <i>Future Generation Computer Systems</i> , 2016 , 56, 493-503	7.5	65
96	Real time intrusion detection system for ultra-high-speed big data environments. <i>Journal of Supercomputing</i> , 2016 , 72, 3489-3510	2.5	63
95	A Robust Features-Based Person Tracker for Overhead Views in Industrial Environment. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1598-1605	10.7	56
94	Content Based Image Retrieval by Using Color Descriptor and Discrete Wavelet Transform. <i>Journal of Medical Systems</i> , 2018 , 42, 44	5.1	50
93	Toward modeling and optimization of features selection in Big Data based social Internet of Things. <i>Future Generation Computer Systems</i> , 2018 , 82, 715-726	7.5	48
92	Hadoop-Based Intelligent Care System (HICS). <i>ACM Transactions on Internet Technology</i> , 2017 , 18, 1-24	3.8	46
91	Real-Time Big Data Stream Processing Using GPU with Spark Over Hadoop Ecosystem. <i>International Journal of Parallel Programming</i> , 2018 , 46, 630-646	1.5	45
90	An efficient divide-and-conquer approach for big data analytics in machine-to-machine communication. <i>Neurocomputing</i> , 2016 , 174, 439-453	5.4	41
89	Cooperative Intelligence of Vehicles for Intelligent Transportation Systems (ITS). <i>Wireless Personal Communications</i> , 2016 , 87, 461-484	1.9	40

88	. <i>IEEE Access</i> , 2017 , 5, 5069-5083	3.5	39
87	Real-time secure communication for Smart City in high-speed Big Data environment. <i>Future Generation Computer Systems</i> , 2018 , 83, 638-652	7.5	37
86	Medical images fusion by using weighted least squares filter and sparse representation. <i>Computers and Electrical Engineering</i> , 2018 , 67, 252-266	4.3	32
85	Service Orchestration of Optimizing Continuous Features in Industrial Surveillance Using Big Data Based Fog-Enabled Internet of Things. <i>IEEE Access</i> , 2018 , 6, 21582-21591	3.5	31
84	Efficient Graph-Oriented Smart Transportation Using Internet of Things Generated Big Data 2015 ,		31
83	Towards Trust and Friendliness Approaches in the Social Internet of Things. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 166	2.6	31
82	Implications of deep learning for the automation of design patterns organization. <i>Journal of Parallel and Distributed Computing</i> , 2018 , 117, 256-266	4.4	29
81	Enabling multimedia aware vertical handover Management in Internet of Things based heterogeneous wireless networks. <i>Multimedia Tools and Applications</i> , 2017 , 76, 25919-25941	2.5	26
80	Mobility Aware Energy Efficient Congestion Control in Mobile Wireless Sensor Network. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 530416	1.7	24
79	Combining Unmanned Aerial Vehicles With Artificial-Intelligence Technology for Traffic-Congestion Recognition: Electronic Eyes in the Skies to Spot Clogged Roads. <i>IEEE Consumer Electronics Magazine</i> , 2019 , 8, 81-86	3.2	23
78	Abstractive Text Summarization based on Improved Semantic Graph Approach. <i>International Journal of Parallel Programming</i> , 2018 , 46, 992-1016	1.5	23
77	Real-Time Route Planning and Data Dissemination for Urban Scenarios Using the Internet of Things. <i>IEEE Wireless Communications</i> , 2019 , 26, 50-55	13.4	22
76	. <i>IEEE Transactions on Sustainable Computing</i> , 2017 , 2, 100-112	3.5	21
75	Energy efficient topology management scheme based on clustering technique for software defined wireless sensor network. <i>Peer-to-Peer Networking and Applications</i> , 2019 , 12, 348-356	3.1	21
74	Trajectory Mining Using Uncertain Sensor Data. <i>IEEE Access</i> , 2018 , 6, 4895-4903	3.5	21
73	Person detector for different overhead views using machine learning. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 2657-2668	3.8	20
72	An enhanced framework for multimedia data: Green transmission and portrayal for smart traffic system. <i>Computers and Electrical Engineering</i> , 2018 , 67, 291-308	4.3	20
71	An IoT-Based Deep Learning Framework for Early Assessment of Covid-19. <i>IEEE Internet of Things Journal</i> , 2020 , 1-1	10.7	19

70	Multilevel Data Processing Using Parallel Algorithms for Analyzing Big Data in High-Performance Computing. <i>International Journal of Parallel Programming</i> , 2018 , 46, 508-527	1.5	18
69	MGR: Multi-parameter Green Reliable communication for Internet of Things in 5G network. <i>Journal of Parallel and Distributed Computing</i> , 2018 , 118, 34-45	4.4	17
68	Data Transmission Scheme Using Mobile Sink in Static Wireless Sensor Network. <i>Journal of Sensors</i> , 2015 , 2015, 1-8	2	17
67	Fuzzy based multi-criteria vertical handover decision modeling in heterogeneous wireless networks. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24649-24674	2.5	16
66	Defining Human Behaviors Using Big Data Analytics in Social Internet of Things 2016 ,		16
65	Socio-cyber network: The potential of cyber-physical system to define human behaviors using big data analytics. <i>Future Generation Computer Systems</i> , 2019 , 92, 868-878	7.5	16
64	Comparison of Spectral Efficiency Techniques in Device-to-Device Communication for 5G. <i>IEEE Access</i> , 2019 , 7, 57440-57449	3.5	14
63	Real-time video processing for traffic control in smart city using Hadoop ecosystem with GPUs. <i>Soft Computing</i> , 2018 , 22, 1533-1544	3.5	14
62	An architecture to analyze big data in the Internet of Things 2015 ,		14
61	Nature-inspired algorithm-based secure data dissemination framework for smart city networks. <i>Neural Computing and Applications</i> , 2020 , 33, 10637	4.8	13
60	Towards ontology-based multilingual URL filtering: a big data problem. <i>Journal of Supercomputing</i> , 2018 , 74, 5003-5021	2.5	13
59	Hierarchical architecture for 5G based software-defined intelligent transportation system 2018 ,		13
58	Top view multiple people tracking by detection using deep SORT and YOLOv3 with transfer learning: within 5G infrastructure. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 1	3.8	13
57	An Efficient Multidimensional Big Data Fusion Approach in Machine-to-Machine Communication. <i>Transactions on Embedded Computing Systems</i> , 2016 , 15, 1-25	1.8	12
56	Medical image fusion method by using Laplacian pyramid and convolutional sparse representation. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e5632	1.4	12
55	A Privacy Preserving three-factor authenticated key agreement protocol for client-server environment. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 661-680	3.7	12
54	Exploiting real-time big data to empower smart transportation using big graphs 2016 ,		11
53	Towards Smart Manufacturing Using Spiral Digital Twin Framework and Twinchain. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 1-1	11.9	11

52	Hadoop Based Real-Time Intrusion Detection for High-Speed Networks 2016 ,		11
51	Impact analysis of adverbs for sentiment classification on Twitter product reviews. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e4956	1.4	11
50	A Real-Time Data Mining Approach for Interaction Analytics Assessment: IoT Based Student Interaction Framework. <i>International Journal of Parallel Programming</i> , 2018 , 46, 886-903	1.5	10
49	Dependability and reliability analysis of intra cluster routing technique. <i>Peer-to-Peer Networking and Applications</i> , 2015 , 8, 838-850	3.1	10
48	. <i>IEEE Access</i> , 2020 , 8, 187671-187686	3.5	10
47	Exploiting encrypted and tunneled multimedia calls in high-speed big data environment. <i>Multimedia Tools and Applications</i> , 2018 , 77, 4959-4984	2.5	9
46	Hadoop based real-time Big Data Architecture for remote sensing Earth Observatory System 2015 ,		9
45	Improving resolution of medical images with deep dense convolutional neural network. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e5084	1.4	9
44	An adaptive hybrid fuzzy-wavelet approach for image steganography using bit reduction and pixel adjustment. <i>Soft Computing</i> , 2018 , 22, 1555-1567	3.5	9
43	A novel class based searching algorithm in small world internet of drone network. <i>Computer Communications</i> , 2020 , 157, 329-335	5.1	8
42	Emerging Mobile Communication Technologies for Healthcare System in 5G Network 2016 ,		8
41	Big data analytics of geosocial media for planning and real-time decisions 2017 ,		8
40	Countering Malicious URLs in Internet of Things Using a Knowledge-Based Approach and a Simulated Expert. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4497-4504	10.7	8
39	Infrared and visible images fusion by using sparse representation and guided filter. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020 , 24, 254-263	3.2	8
38	Combining Bootstrap Aggregation with Support Vector Regression for Small Blood Pressure Measurement. <i>Journal of Medical Systems</i> , 2018 , 42, 63	5.1	7
37	Big Data and Internet of Things 2015 ,		7
36	Context-Aware Mobile Sensors for Sensing Discrete Events in Smart Environment. <i>Journal of Sensors</i> , 2016 , 2016, 1-10	2	7
35	Watermarking as a service (WaaS) with anonymity. <i>Multimedia Tools and Applications</i> , 2020 , 79, 16051-16075	3.5	7

34	Detecting fraudulent labeling of rice samples using computer vision and fuzzy knowledge. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24675-24704	2.5	6
33	Advanced computing model for geosocial media using big data analytics. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24767-24787	2.5	6
32	Melanocytic and nevus lesion detection from diseased dermoscopic images using fuzzy and wavelet techniques. <i>Soft Computing</i> , 2018 , 22, 1577-1593	3.5	6
31	The Internet of Things based medical emergency management using Hadoop ecosystem 2015 ,		6
30	Minimize the delays in software defined network switch controller communication. <i>Concurrency Computation Practice and Experience</i> , 2020 , e5940	1.4	6
29	IoT-based crowd monitoring system: Using SSD with transfer learning. <i>Computers and Electrical Engineering</i> , 2021 , 93, 107226	4.3	6
28	Advanced security and privacy technique for digital text in smart grid communications. <i>Computers and Electrical Engineering</i> , 2021 , 93, 107205	4.3	5
27	Special issue on real-time image and video processing in mobile embedded systems. <i>Journal of Real-Time Image Processing</i> , 2019 , 16, 1-4	1.9	5
26	A Query based Information search in an Individual Small World of Social Internet of Things. <i>Computer Communications</i> , 2020 , 163, 176-185	5.1	4
25	Vehicle navigation in GPS denied environment for smart cities using vision sensors. <i>Computers, Environment and Urban Systems</i> , 2019 , 77, 101281	5.9	4
24	Cluster-Based Device Mobility Management in Named Data Networking for Vehicular Networks. <i>Mobile Information Systems</i> , 2018 , 2018, 1-7	1.4	4
23	Optic disc segmentation and classification in color fundus images: a resource-aware healthcare service in smart cities. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1	3.7	4
22	A generic methodology for geo-related data semantic annotation. <i>Concurrency Computation Practice and Experience</i> , 2018 , 30, e4495	1.4	3
21	Defining Service-Oriented Trust Assessment for Social Internet of Things. <i>IEEE Access</i> , 2020 , 8, 206459-206473	3.5	3
20	Reference terms identification of cited articles as topics from citation contexts. <i>Computers and Electrical Engineering</i> , 2019 , 74, 569-580	4.3	3
19	Energy Efficient Green Solution for Hierarchical Resource Management for Mobile Cloud Computing 2019 ,		2
18	You speak, we detect: Quantitative diagnosis of anomia and Wernicke's aphasia using digital signal processing techniques 2017 ,		2
17	Optimized data transmission using cooperative devices in clustered D2D communication 2014 ,		2

16	Water rippling shaped clustering strategy for efficient performance of software define wireless sensor networks. <i>Peer-to-Peer Networking and Applications</i> , 2019 , 12, 371-380	3.1	2
15	OBAC: towards agent-based identification and classification of roles, objects, permissions (ROP) in distributed environment. <i>Multimedia Tools and Applications</i> , 2020 , 79, 34363-34384	2.5	1
14	Special issue on video and imaging systems for critical engineering applications [SI 1096]. <i>Multimedia Tools and Applications</i> , 2020 , 79, 8327-8335	2.5	1
13	Pansharping using a guided image filter based on dual-scale detail extraction. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1	3.7	1
12	Deep Learning-based Intrusion Detection System for Internet of Vehicles. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 1-1	3.2	1
11	Medical image super-resolution with laplacian dense network. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	1
10	Smart embedded system based on demosaicking for enhancement of surveillance systems. <i>Computers and Electrical Engineering</i> , 2020 , 86, 106731	4.3	1
9	High-Speed Network Traffic Analysis: Detecting VoIP Calls in Secure Big Data Streaming 2016 ,		1
8	Image enhancement in embedded devices for internet of things. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e5398	1.4	1
7	Bayer image demosaicking and denoising based on specialized networks using deep learning. <i>Multimedia Systems</i> , 2021 , 27, 807-819	2.2	1
6	A novel trust management model for edge computing. <i>Complex & Intelligent Systems</i> ,1	7.1	1
5	Wireless sensor network design for smart grids and Internet of things for ambient living using cross-layer techniques. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771986220 ¹⁻⁷		0
4	IoT-Based Big Data 2020 , 1409-1428		0
3	Smart algorithmic based web crawling and scraping with template autoupdate capabilities. <i>Concurrency Computation Practice and Experience</i> , 2020 , e6042	1.4	0
2	Software-Defined Internet of Things to Analyze Big Data in Smart Cities. <i>EAI/Springer Innovations in Communication and Computing</i> , 2019 , 91-106	0.6	0
1	Energy Aware Simple Ant Routing Algorithm for Wireless Sensor Networks. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	