

Murad Khan

List of Publications by Year in descending order

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84
papers

3,293
citations

201674

27
h-index

149698

56
g-index

86
all docs

86
docs citations

86
times ranked

3523
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards sustainable smart cities: A review of trends, architectures, components, and open challenges in smart cities. <i>Sustainable Cities and Society</i> , 2018, 38, 697-713.	10.4	1,020
2	Internet of Things Based Energy Aware Smart Home Control System. <i>IEEE Access</i> , 2016, 4, 7556-7566.	4.2	158
3	Deep learning in big data Analytics: A comparative study. <i>Computers and Electrical Engineering</i> , 2019, 75, 275-287.	4.8	147
4	Internet of Things: A Comprehensive Review of Enabling Technologies, Architecture, and Challenges. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2018, 35, 205-220.	3.2	139
5	Semantic Interoperability in Heterogeneous IoT Infrastructure for Healthcare. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-10.	1.2	126
6	Energy Efficient Hierarchical Clustering Approaches in Wireless Sensor Networks: A Survey. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-14.	1.2	111
7	Designing a Smart Transportation System: An Internet of Things and Big Data Approach. <i>IEEE Wireless Communications</i> , 2019, 26, 73-79.	9.0	86
8	A generic internet of things architecture for controlling electrical energy consumption in smart homes. <i>Sustainable Cities and Society</i> , 2018, 43, 443-450.	10.4	82
9	Urban Planning and Smart City Decision Management Empowered by Real-Time Data Processing Using Big Data Analytics. <i>Sensors</i> , 2018, 18, 2994.	3.8	82
10	Static malware detection and attribution in android byte-code through an end-to-end deep system. <i>Future Generation Computer Systems</i> , 2020, 102, 112-126.	7.5	69
11	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	68
12	Integration of Big Data analytics embedded smart city architecture with RESTful web of things for efficient service provision and energy management. <i>Future Generation Computer Systems</i> , 2020, 107, 975-987.	7.5	68
13	A REST-based industrial web of things™ framework for smart warehousing. <i>Journal of Supercomputing</i> , 2018, 74, 4419-4433.	3.6	62
14	IoT-based students interaction framework using attention-scoring assessment in eLearning. <i>Future Generation Computer Systems</i> , 2018, 79, 909-919.	7.5	62
15	Context-aware low power intelligent SmartHome based on the Internet of things. <i>Computers and Electrical Engineering</i> , 2016, 52, 208-222.	4.8	51
16	Big Data Analytics Embedded Smart City Architecture for Performance Enhancement through Real-Time Data Processing and Decision-Making. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-12.	1.2	51
17	Abstractive Text Summarization based on Improved Semantic Graph Approach. <i>International Journal of Parallel Programming</i> , 2018, 46, 992-1016.	1.5	47
18	A Big Data Analytics Architecture for the Internet of Small Things. <i>IEEE Communications Magazine</i> , 2018, 56, 128-133.	6.1	43

#	ARTICLE	IF	CITATIONS
19	Futuristic Sustainable Energy Management in Smart Environments: A Review of Peak Load Shaving and Demand Response Strategies, Challenges, and Opportunities. Sustainability, 2020, 12, 5561.	3.2	40
20	Smart city designing and planning based on big data analytics. Sustainable Cities and Society, 2017, 35, 271-279.	10.4	39
21	Analytical network process based optimum cluster head selection in wireless sensor network. PLoS ONE, 2017, 12, e0180848.	2.5	37
22	A Web of Things-Based Emerging Sensor Network Architecture for Smart Control Systems. Sensors, 2017, 17, 332.	3.8	36
23	Load Balancing Integrated Least Slack Time-Based Appliance Scheduling for Smart Home Energy Management. Sensors, 2018, 18, 685.	3.8	36
24	Designing Smart Control Systems Based on Internet of Things and Big Data Analytics. Wireless Personal Communications, 2018, 99, 1683-1697.	2.7	35
25	Enabling multimedia aware vertical handover Management in Internet of Things based heterogeneous wireless networks. Multimedia Tools and Applications, 2017, 76, 25919-25941.	3.9	32
26	Towards 5G network slicing for vehicular ad-hoc networks: An end-to-end approach. Computer Communications, 2020, 149, 252-258.	5.1	32
27	An Optimized Network Selection and Handover Triggering Scheme for Heterogeneous Self-Organized Wireless Networks. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	29
28	Energy efficient hierarchical resource management for mobile cloud computing. IEEE Transactions on Sustainable Computing, 2017, 2, 100-112.	3.1	27
29	Person detector for different overhead views using machine learning. International Journal of Machine Learning and Cybernetics, 2019, 10, 2657-2668.	3.6	27
30	Enhancements and Challenges in CoAP—A Survey. Sensors, 2020, 20, 6391.	3.8	26
31	Fuzzy based multi-criteria vertical handover decision modeling in heterogeneous wireless networks. Multimedia Tools and Applications, 2017, 76, 24649-24674.	3.9	25
32	Deep Learning: Convergence to Big Data Analytics. SpringerBriefs in Computer Science, 2019, , .	0.2	24
33	Comparison of Spectral Efficiency Techniques in Device-to-Device Communication for 5G. IEEE Access, 2019, 7, 57440-57449.	4.2	22
34	Multicriteria Based Next Forwarder Selection for Data Dissemination in Vehicular Ad Hoc Networks Using Analytical Network Process. Mathematical Problems in Engineering, 2017, 2017, 1-18.	1.1	21
35	A Real-Time Data Mining Approach for Interaction Analytics Assessment: IoT Based Student Interaction Framework. International Journal of Parallel Programming, 2018, 46, 886-903.	1.5	19
36	ELC: Edge Linked Caching for content updating in information-centric Internet of Things. Computer Communications, 2020, 156, 174-182.	5.1	19

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37	Real-Time Scheduling of Operational Time for Smart Home Appliances Based on Reinforcement Learning. IEEE Access, 2020, 8, 116520-116534.	4.2	18
38	Big Data Processing using Internet of Software Defined Things in Smart Cities. International Journal of Parallel Programming, 2020, 48, 178-191.	1.5	17
39	An adaptive hybrid fuzzy-wavelet approach for image steganography using bit reduction and pixel adjustment. Soft Computing, 2018, 22, 1555-1567.	3.6	16
40	A Review of Handover Techniques in Wireless Ad hoc Networks Based on IEEE 802.21 Media Independent Handover Standard. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 105f 50 617		
41	A Vertical Handover Management Scheme based on Decision Modelling in Heterogeneous Wireless Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 402-412.	3.2	15
42	Industrial Internet of Things Based Efficient and Reliable Data Dissemination Solution for Vehicular Ad Hoc Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	14
43	Minimization of total harmonic distortions of cascaded H-bridge multilevel inverter by utilizing bio inspired AI algorithm. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	14
44	Towards Energy Efficient Home Automation: A Deep Learning Approach. Sensors, 2020, 20, 7187.	3.8	13
45	A Survey of Context Aware Vertical Handover Management Schemes in Heterogeneous Wireless Networks. Wireless Personal Communications, 2015, 85, 2273-2293.	2.7	12
46	Detecting fraudulent labeling of rice samples using computer vision and fuzzy knowledge. Multimedia Tools and Applications, 2017, 76, 24675-24704.	3.9	12
47	SDIoT: Software Defined Internet of Thing to Analyze Big Data in Smart Cities. , 2017, , .		11
48	Vehicle navigation in GPS denied environment for smart cities using vision sensors. Computers, Environment and Urban Systems, 2019, 77, 101281.	7.1	10
49	RESTful Web of Things for Ubiquitous Smart Home Energy Management. , 2020, , .		10
50	A comparative study of graphic symbol recognition methods. Multimedia Tools and Applications, 2020, 79, 8695-8725.	3.9	9
51	SGKMP: A scalable group key management protocol. Sustainable Cities and Society, 2018, 39, 37-42.	10.4	8
52	Scheduling Sensor Duty Cycling Based on Event Detection Using Bi-Directional Long Short-Term Memory and Reinforcement Learning. Sensors, 2020, 20, 5498.	3.8	8
53	Non-cooperative Spectrum Sensing in Context of Primary User Detection: A Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2017, 34, 188-200.	3.2	7
54	Digital Certificate Verification Scheme for Smart Grid using Fog Computing (FONICA). Sustainability, 2021, 13, 2549.	3.2	7

#	ARTICLE	IF	CITATIONS
55	Human Activity Prediction-aware Sensor Cycling in Smart Home Networks. , 2020, , .		6
56	Features Selection Model for Internet of E-Health Things Using Big Data. , 2017, , .		5
57	Exploiting Big Data Analytics for Urban Planning and Smart City Performance Improvement. , 2018, , .		5
58	Performance analysis of vertical handover techniques based on IEEE 802.21: Media independent handover standard. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3695.	3.9	5
59	Smart contract's interface for user centric business model in blockchain. , 2019, , .		5
60	Development of Computer-Aided Semi-Automatic Diagnosis System for Chronic Post-Stroke Aphasia Classification with Temporal and Parietal Lesions: A Pilot Study. Applied Sciences (Switzerland), 2020, 10, 2984.	2.5	5
61	A Zone-Based Self-Organized Handover Scheme for Heterogeneous Mobile and Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2014, 10, 379181.	2.2	4
62	Enabling vertical handover management based on decision making in heterogeneous wireless networks. , 2015, , .		4
63	You speak, we detect: Quantitative diagnosis of anomic and Wernicke's aphasia using digital signal processing techniques. , 2017, , .		4
64	Multicriteria-Based Location Privacy Preservation in Vehicular Ad Hoc Networks. Complexity, 2018, 2018, 1-12.	1.6	4
65	FIViz: Forensics Investigation through Visualization for Malware in Internet of Things. Sustainability, 2020, 12, 7262.	3.2	4
66	An adaptive energy efficient scheme for energy constrained wireless sensor networks. , 2019, , .		4
67	Reference terms identification of cited articles as topics from citation contexts. Computers and Electrical Engineering, 2019, 74, 569-580.	4.8	3
68	Modeling of Intelligent Sensor Duty Cycling for Smart Home Automation. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2412-2421.	5.2	3
69	A context-Aware Smart Home Control System based on ZigBee Sensor Network. KSII Transactions on Internet and Information Systems, 2017, 11, .	0.3	3
70	A Fast Handoff Scheme for Streaming Service in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 183802.	2.2	2
71	Ubiquitous RESTful Smart Home Energy Management System. , 2019, , .		2
72	Intelligent Home Energy Management System based on Bi-directional Long-short Term Memory and Reinforcement Learning. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
73	A User Profile-based Smart Home Energy Management System. , 2020, , .		2
74	Developing a Cyber Incident Exercises Model to Educate Security Teams. Electronics (Switzerland), 2022, 11, 1575.	3.1	2
75	An application dependent and sequential scanning scheme for vertical handover management in heterogeneous wireless networks. , 2015, , .		1
76	A multi-threshold triggering and QoS aware vertical handover management in heterogeneous wireless networks. , 2015, , .		1
77	An Energy Efficient Sensor Duty Cycling for Smart Home Networks. , 2021, , .		1
78	Efficiently Processing Big Data in Real-Time Employing Deep Learning Algorithms. Advances in Data Mining and Database Management Book Series, 2018, , 61-78.	0.5	1
79	Development of an Electronic Smart Safe Box Using Private Blockchain Technology. Applied Sciences (Switzerland), 2022, 12, 6445.	2.5	1
80	Self-organized multi-metric routing for QoS in wireless mesh networks. , 2014, , .		0
81	Multi-criteria based vertical handover decision in heterogeneous wireless network. , 2015, , .		0
82	Properties, Principles, and Metrics in Transportation CPS. SpringerBriefs in Computer Science, 2017, , 51-63.	0.2	0
83	Mitigating Interference and Energy Issues in Smart Homes Using Internet of Things. , 2020, , .		0
84	A Handover Management Scheme Based on User-Preferences and Network-Centric Approach. KSII Transactions on Internet and Information Systems, 2015, 9, .	0.3	0