

List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8905840/ata-ullah-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68 papers	1,383 citations	18 h-index	35 g-index
69 ext. papers	1,945 ext. citations	3.9 avg, IF	5.44 L-index

#	Paper	IF	Citations
68	Survey on fog computing: architecture, key technologies, applications and open issues. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 98, 27-42	7.9	415
67	A kernel machine-based secure data sensing and fusion scheme in wireless sensor networks for the cyber-physical systems. <i>Future Generation Computer Systems</i> , <b>2016</b> , 61, 85-96	7.5	87
66	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 28-40	11.9	70
65	. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 99-110	10.7	49
64	An architecture for aggregating information from distributed data nodes for industrial internet of things. <i>Computers and Electrical Engineering</i> , <b>2017</b> , 58, 337-349	4.3	46
63	Advances in Position Based Routing Towards ITS Enabled FoG-Oriented VANET A Survey. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 828-840	6.1	42
62	Emergency Message Dissemination Schemes Based on Congestion Avoidance in VANET and Vehicular FoG Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 1570-1585	3.5	40
61	Performance Analysis of Different Types of Machine Learning Classifiers for Non-Technical Loss Detection. <i>IEEE Access</i> , <b>2020</b> , 8, 16033-16048	3.5	36
60	The yoking-proof-based authentication protocol for cloud-assisted wearable devices. <i>Personal and Ubiquitous Computing</i> , <b>2016</b> , 20, 469-479	2.1	35
59	Fog-assisted secure healthcare data aggregation scheme in IoT-enabled WSN. <i>Peer-to-Peer Networking and Applications</i> , <b>2020</b> , 13, 163-174	3.1	30
58	A Lightweight Digital Signature Based Security Scheme for Human-Centered Internet of Things. <i>IEEE Access</i> , <b>2018</b> , 6, 31630-31643	3.5	28
57	Secure Healthcare Data Aggregation and Transmission in IoT A Survey. <i>IEEE Access</i> , <b>2021</b> , 9, 16849-16865	3.5	28
56	PersoNet: Friend Recommendation System Based on Big-Five Personality Traits and Hybrid Filtering. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 394-402	4.5	26
55	Cooperative Privacy Preservation for Wearable Devices in Hybrid Computing-Based Smart Health. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 1352-1362	10.7	25
54	Congestion avoidance through fog computing in internet of vehicles. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2019</b> , 10, 3863-3877	3.7	24
53	Uncertainty Assisted Robust Tuberculosis Identification With Bayesian Convolutional Neural Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 22812-22825	3.5	24
52	Systematic Literature Review on Energy Efficient Routing Schemes in WSN A Survey. <i>Mobile Networks and Applications</i> , <b>2020</b> , 25, 882-895	2.9	21

51	Mining user interest based on personality-aware hybrid filtering in social networks. <i>Knowledge-Based Systems</i> , <b>2020</b> , 206, 106227	7.3	21
50	Secure Authentication and Prescription Safety Protocol for Telecare Health Services Using Ubiquitous IoT. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1069	2.6	18
49	Physical Unclonable Function Based Authentication Scheme for Smart Devices in Internet of Things <b>2018</b> ,		17
48	FoG Assisted Secure De-duplicated Data Dissemination in Smart Healthcare IoT <b>2018</b> ,		17
47	Congestion Avoidance for Smart Devices by Caching Information in MANETS and IoT. <i>IEEE Access</i> , <b>2019</b> , 7, 71459-71471	3.5	16
46	Reputation-Aware Trust and Privacy-Preservation for Mobile Cloud Computing. <i>IEEE Access</i> , <b>2018</b> , 6, 46363-46381	3.5	16
45	A Polynomial Subset-Based Efficient Multi-Party Key Management System for Lightweight Device Networks. <i>Sensors</i> , <b>2017</b> , 17,	3.8	16
44	Security and privacy issues of physical objects in the IoT: Challenges and opportunities. <i>Digital Communications and Networks</i> , <b>2021</b> , 7, 373-384	5.9	15
43	Performance analysis of machine learning classifiers for non-technical loss detection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 1	3.7	14
42	Zero-Knowledge Authentication Protocol Based on Alternative Mode in RFID Systems. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 3235-3245	4	14
41	Internet Use and Its Impact on Individual Physical Health. <i>IEEE Access</i> , <b>2016</b> , 4, 5135-5142	3.5	13
40	Logical Tree Based Secure Rekeying Management for Smart Devices Groups in IoT Enabled WSN. <i>IEEE Access</i> , <b>2019</b> , 7, 76699-76711	3.5	11
39	A Lightweight Key Freshness Scheme for Wireless Sensor Networks <b>2015</b> ,		11
38	Physical unclonable function: architectures, applications and challenges for dependable security. <i>IET Circuits, Devices and Systems</i> , <b>2020</b> , 14, 407-424	1.1	11
37	Cyber-Syndrome and its Formation, Classification, Recovery and Prevention. <i>IEEE Access</i> , <b>2018</b> , 6, 35501-35511	3.5	11
36	A survey on healthcare data security in wireless body area networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2021</b> , 12, 1-14	3.7	10
35	Cyber-Enabled Human-Centric Smart Home Architecture <b>2018</b> ,		10
34	Analysis of classical encryption techniques in cloud computing. <i>Tsinghua Science and Technology</i> , <b>2016</b> , 21, 102-113	3.4	9

33	Distributed Multiparty Key Management for Efficient Authentication in the Internet of Things. <i>IEEE Access</i> , <b>2018</b> , 6, 29460-29473	3.5	9
32	Robot and its living space: A roadmap for robot development based on the view of living space. <i>Digital Communications and Networks</i> , <b>2020</b> , 7, 505-505	5.9	8
31	A survey on personality-aware recommendation systems. <i>Artificial Intelligence Review</i> , 1	9.7	8
30	Novel congestion avoidance scheme for Internet of Drones. <i>Computer Communications</i> , <b>2021</b> , 169, 202-230	5.0	6
29	Energy Efficient and Accurate Tracking and Detection of Continuous Objects in Wireless Sensor Networks <b>2018</b> ,		6
28	Fog-Assisted Secure Data Exchange for Examination and Testing in E-learning System. <i>Mobile Networks and Applications</i> , <b>2020</b> , 1	2.9	5
27	Energy Efficient Partial Permutation Encryption on Network Coded MANETs. <i>Journal of Electrical and Computer Engineering</i> , <b>2017</b> , 2017, 1-10	1.9	5
26	Data collection protocols for VANETs: a survey. <i>Complex &amp; Intelligent Systems</i> , 1	7.1	5
25	Dual server based security system for multimedia Services in Next Generation Networks. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 7299-7318	2.5	5
24	Synergy between Communication, Computing, and Caching for Smart Sensing in Internet of Things. <i>Procedia Computer Science</i> , <b>2019</b> , 147, 504-511	1.6	4
23	Secure Healthcare Data Aggregation and Deduplication Scheme for Fog-Orineted IoT <b>2019</b> ,		4
22	A Survey on Hybrid Human-Artificial Intelligence for Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-16	6.1	4
21	Survey of Requirement Management Techniques for Safety Critical Systems <b>2018</b> ,		4
20	Trust Management Schemes for Secure Routing in VANETs [A Survey] <b>2018</b> ,		4
19	Fog-assisted Congestion Avoidance Scheme for Internet of Vehicles <b>2018</b> ,		4
18	Secure Key Distribution Using Fragmentation and Assimilation in Wireless Sensor and Actor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 542856	1.7	3
17	Secure and efficient data transfer using spreading and assimilation in MANET. <i>Software - Practice and Experience</i> , <b>2020</b> , 50, 2095-2109	2.5	3
16	Reputation-Aware Recruitment and Credible Reporting for Platform Utility in Mobile Crowd Sensing with Smart Devices in IoT. <i>Sensors</i> , <b>2018</b> , 18,	3.8	3

15	Secure Critical Data Reclamation Scheme for Isolated Clusters in IoT enabled WSN. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	3
14	A Survey on Continuous Object Tracking and Boundary Detection Schemes in IoT Assisted Wireless Sensor Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 126324-126336	3.5	3
13	ANT-colony based disjoint set assortment in wireless sensor networks. <i>Wireless Networks</i> , <b>2019</b> , 25, 5137-5150	2.5	2
12	Association Rule-Based Breast Cancer Prevention and Control System. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 1106-1114	4.5	2
11	Handover Based IMS Registration Scheme for Next Generation Mobile Networks. <i>Wireless Communications and Mobile Computing</i> , <b>2017</b> , 2017, 1-15	1.9	1
10	Efficient Routing Strategy for Congestion Avoidance in MANETs <b>2017</b> ,		1
9	Multi-Cyclic Requirement Engineering for Educational and Industrial Models in Software Development <b>2020</b> ,		1
8	Secure Healthcare Data Aggregation Scheme for Internet of Things. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 175-186	0.3	1
7	Sub-array Based Antenna Selection Scheme for Massive MIMO in 5G. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 38-50	0.3	1
6	Light-Weight Secure Aggregated Data Sharing in IoT-Enabled Wireless Sensor Networks. <i>IEEE Access</i> , <b>2022</b> , 10, 33571-33585	3.5	1
5	Application of region-based video surveillance in smart cities using deep learning.. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 1-26	2.5	1
4	FoG-Oriented Secure and Lightweight Data Aggregation in IoMT. <i>IEEE Access</i> , <b>2021</b> , 9, 111072-111082	3.5	0
3	Disjoint Key Establishment Protocol for Wireless Sensor and Actor Networks. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-15	2	
2	Traffic Aware Data Gathering Protocol for VANETs. <i>IEEE Access</i> , <b>2022</b> , 10, 23438-23449	3.5	
1	Integration of Software Architecture in Requirements Elicitation for Rapid Software Development. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	