Muhammad Asim

List of Publications by Citations

36 papers	866 citations	15 h-index	29 g-index
37 ext. papers	1,277 ext. citations	2.9 avg, IF	5.02 L-index

#	Paper	IF	Citations
36	An energy-aware service composition algorithm for multiple cloud-based IoT applications. *Journal of Network and Computer Applications*, **2017**, 89, 96-108	7.9	130
35	Remote health monitoring of elderly through wearable sensors. *Multimedia Tools and Applications*, **2019**, 78, 24681-24706	2.5	110
34	The Security of Big Data in Fog-Enabled IoT Applications Including Blockchain: A Survey. *Sensors*, **2019**, 19,	3.8	105
33	A decentralized lightweight blockchain-based authentication mechanism for IoT systems. *Cluster Computing*, **2020**, 23, 2067-2087	2.1	64
32	A Mechanism for Securing IoT-enabled Applications at the Fog Layer. *Journal of Sensor and Actuator Networks*, **2019**, 8, 16	3.8	55
31	AlphaLogger: detecting motion-based side-channel attack using smartphone keystrokes. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 1	3.7	38
30	A collaborative healthcare framework for shared healthcare plan with ambient intelligence. *Human-centric Computing and Information Sciences*, **2020**, 10,	5.4	37
29	COMITMENT: A Fog Computing Trust Management Approach. *Journal of Parallel and Distributed Computing*, **2020**, 137, 1-16	4.4	37
28	Blockchain and Smart Healthcare Security: A Survey. *Procedia Computer Science*, **2020**, 175, 615-620	1.6	35
27	A Mobile Code-driven Trust Mechanism for detecting internal attacks in sensor node-powered IoT. *Journal of Parallel and Distributed Computing*, **2019**, 134, 198-206	4.4	33
26	DeepDetect: Detection of Distributed Denial of Service Attacks Using Deep Learning. *Computer Journal*, **2020**, 63, 983-994	1.3	26
25	A secure fog-based platform for SCADA-based IoT critical infrastructure. *Software - Practice and Experience*, **2020**, 50, 503-518	2.5	25
24	A smartphone sensors-based personalized human activity recognition system for sustainable smart cities. *Sustainable Cities and Society*, **2021**, 71, 102970	10.1	22
23	URLdeepDetect: A Deep Learning Approach for Detecting Malicious URLs Using Semantic Vector Models. *Journal of Network and Systems Management*, **2021**, 29, 1	2.1	18
22	Cloud vs edge: Who serves the Internet-of-Things better?. *Internet Technology Letters*, **2018**, 1, e66	1.3	18
21	Intelligent Control and Security of Fog Resources in Healthcare Systems via a Cognitive Fog Model. *ACM Transactions on Internet Technology*, **2021**, 21, 1-23	3.8	13
20	Security policy monitoring of BPMN-based service compositions. *Journal of Software: Evolution and Process*, **2018**, 30, e1944	1	13

19	A Blockchain-Based Multi-Mobile Code-Driven Trust Mechanism for Detecting Internal Attacks in Internet of Things. *Sensors*, **2020**, 21,	3.8	12
18	Securing SCADA-based Critical Infrastructures: Challenges and Open Issues. *Procedia Computer Science*, **2019**, 155, 612-617	1.6	10
17	A Quality-of-Things model for assessing the Internet-of-Thingsanonfunctional properties. *Transactions on Emerging Telecommunications Technologies*, **2019**, e3668	1.9	9
16	A location-sensitive and network-aware broker for recommending Web services. *Computing (Vienna/New York)*, **2019**, 101, 455-475	2.2	6
15	Fairness in Real-Time Energy Pricing for Smart Grid Using Unsupervised Learning. *Computer Journal*, **2019**, 62, 414-429	1.3	6
14	Event Driven Monitoring of Composite Services **2013**,		6
13	Open challenges in vetting the internet-of-things. *Internet Technology Letters*, **2019**, 2, e129	1.3	5
12	Feature engineering and deep learning-based intrusion detection framework for securing edge IoT. *Journal of Supercomputing*, **2022**, 78, 8852	2.5	5
11	OWL-T for a Semantic Description of IoT. *Communications in Computer and Information Science*, **2020**, 108-117	0.3	5
10	CTrust-RPL: A control layer-based trust mechanism for supporting secure routing in routing protocol for low power and lossy networks-based Internet of Things applications. *Transactions on Emerging Telecommunications Technologies*, **2021**, 32, e4224	1.9	4
9	Security Challenges and Requirements for Smart Internet of Things Applications: A Comprehensive Analysis. *Procedia Computer Science*, **2021**, 191, 425-430	1.6	4
8	A BBR-based congestion control for delay-sensitive real-time applications. *Computing (Vienna/New York)*, **2020**, 102, 2541-2563	2.2	3
7	A blockchain-based Fog-oriented lightweight framework for smart public vehicular transportation systems. *Computer Networks*, **2022**, 203, 108676	5.4	3
6	Immersing citizens and things into smart cities: a social machine-based and data artifact-driven approach. *Computing (Vienna/New York)*, **2020**, 102, 1567-1586	2.2	3
5	Machine learning and the Internet of Things security: Solutions and open challenges. *Journal of Parallel and Distributed Computing*, **2022**, 162, 89-104	4.4	2
4	Thingsourcing to Enable IoT Collaboration **2020**,		1
3	Orchestration- and choreography-based composition of Internet of Transactional Things. *Service Oriented Computing and Applications*, **2021**, 15, 157-170	1.6	1
2	Towards a Resource-aware Thing Composition Approach **2019**,		1

1. Congestion avoidance in wireless sensor network using software defined network. *Computing (Vienna/New York)*, **2021**, 103, 2573

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1. Congestion avoidance in wireless sensor network using software defined network. *Computing (Vienna/New York)*, **2021**, 103, 2573

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