

# Muhammad Asim

## List of Publications by Year in Descending Order

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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.

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	Feature engineering and deep learning-based intrusion detection framework for securing edge IoT. <i>Journal of Supercomputing</i> , <b>2022</b> , 78, 8852	2.5	5
35	Machine learning and the Internet of Things security: Solutions and open challenges. <i>Journal of Parallel and Distributed Computing</i> , <b>2022</b> , 162, 89-104	4.4	2
34	A blockchain-based Fog-oriented lightweight framework for smart public vehicular transportation systems. <i>Computer Networks</i> , <b>2022</b> , 203, 108676	5.4	3
33	URLdeepDetect: A Deep Learning Approach for Detecting Malicious URLs Using Semantic Vector Models. <i>Journal of Network and Systems Management</i> , <b>2021</b> , 29, 1	2.1	18
32	Orchestration- and choreography-based composition of Internet of Transactional Things. <i>Service Oriented Computing and Applications</i> , <b>2021</b> , 15, 157-170	1.6	1
31	Intelligent Control and Security of Fog Resources in Healthcare Systems via a Cognitive Fog Model. <i>ACM Transactions on Internet Technology</i> , <b>2021</b> , 21, 1-23	3.8	13
30	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. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2021</b> , 32, e4224	1.9	4
29	Security Challenges and Requirements for Smart Internet of Things Applications: A Comprehensive Analysis. <i>Procedia Computer Science</i> , <b>2021</b> , 191, 425-430	1.6	4
28	A smartphone sensors-based personalized human activity recognition system for sustainable smart cities. <i>Sustainable Cities and Society</i> , <b>2021</b> , 71, 102970	10.1	22
27	Congestion avoidance in wireless sensor network using software defined network. <i>Computing (Vienna/New York)</i> , <b>2021</b> , 103, 2573	2.2	0
26	A BBR-based congestion control for delay-sensitive real-time applications. <i>Computing (Vienna/New York)</i> , <b>2020</b> , 102, 2541-2563	2.2	3
25	A decentralized lightweight blockchain-based authentication mechanism for IoT systems. <i>Cluster Computing</i> , <b>2020</b> , 23, 2067-2087	2.1	64
24	AlphaLogger: detecting motion-based side-channel attack using smartphone keystrokes. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 1	3.7	38
23	A collaborative healthcare framework for shared healthcare plan with ambient intelligence. <i>Human-centric Computing and Information Sciences</i> , <b>2020</b> , 10,	5.4	37
22	Thingsourcing to Enable IoT Collaboration <b>2020</b> ,		1
21	A Blockchain-Based Multi-Mobile Code-Driven Trust Mechanism for Detecting Internal Attacks in Internet of Things. <i>Sensors</i> , <b>2020</b> , 21,	3.8	12
20	OWL-T for a Semantic Description of IoT. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 108-117	0.3	5

19	COMITMENT: A Fog Computing Trust Management Approach. <i>Journal of Parallel and Distributed Computing</i> , <b>2020</b> , 137, 1-16	4.4	37
18	Immersing citizens and things into smart cities: a social machine-based and data artifact-driven approach. <i>Computing (Vienna/New York)</i> , <b>2020</b> , 102, 1567-1586	2.2	3
17	Blockchain and Smart Healthcare Security: A Survey. <i>Procedia Computer Science</i> , <b>2020</b> , 175, 615-620	1.6	35
16	A secure fog-based platform for SCADA-based IoT critical infrastructure. <i>Software - Practice and Experience</i> , <b>2020</b> , 50, 503-518	2.5	25
15	DeepDetect: Detection of Distributed Denial of Service Attacks Using Deep Learning. <i>Computer Journal</i> , <b>2020</b> , 63, 983-994	1.3	26
14	A Mobile Code-driven Trust Mechanism for detecting internal attacks in sensor node-powered IoT. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 134, 198-206	4.4	33
13	Remote health monitoring of elderly through wearable sensors. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 24681-24706	2.5	110
12	A Quality-of-Things model for assessing the Internet-of-Things nonfunctional properties. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2019</b> , e3668	1.9	9
11	The Security of Big Data in Fog-Enabled IoT Applications Including Blockchain: A Survey. <i>Sensors</i> , <b>2019</b> , 19,	3.8	105
10	A location-sensitive and network-aware broker for recommending Web services. <i>Computing (Vienna/New York)</i> , <b>2019</b> , 101, 455-475	2.2	6
9	A Mechanism for Securing IoT-enabled Applications at the Fog Layer. <i>Journal of Sensor and Actuator Networks</i> , <b>2019</b> , 8, 16	3.8	55
8	Fairness in Real-Time Energy Pricing for Smart Grid Using Unsupervised Learning. <i>Computer Journal</i> , <b>2019</b> , 62, 414-429	1.3	6
7	Securing SCADA-based Critical Infrastructures: Challenges and Open Issues. <i>Procedia Computer Science</i> , <b>2019</b> , 155, 612-617	1.6	10
6	Open challenges in vetting the internet-of-things. <i>Internet Technology Letters</i> , <b>2019</b> , 2, e129	1.3	5
5	Towards a Resource-aware Thing Composition Approach <b>2019</b> ,		1
4	Security policy monitoring of BPMN-based service compositions. <i>Journal of Software: Evolution and Process</i> , <b>2018</b> , 30, e1944	1	13
3	Cloud vs edge: Who serves the Internet-of-Things better?. <i>Internet Technology Letters</i> , <b>2018</b> , 1, e66	1.3	18
2	An energy-aware service composition algorithm for multiple cloud-based IoT applications. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 89, 96-108	7.9	130

1 Event Driven Monitoring of Composite Services **2013**,

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