

Loai A Tawalbeh

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.

56
papers

920
citations

16
h-index

29
g-index

59
ext. papers

1,204
ext. citations

1.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
56	Mobile Cloud Computing Model and Big Data Analysis for Healthcare Applications. <i>IEEE Access</i> , 2016 , 4, 6171-6180	3.5	159
55	IoT Privacy and Security: Challenges and Solutions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4102	2.6	125
54	Cyber Security Attacks on Smart Cities and Associated Mobile Technologies. <i>Procedia Computer Science</i> , 2017 , 109, 1086-1091	1.6	81
53	Scalable Cloudlet-based Mobile Computing Model. <i>Procedia Computer Science</i> , 2014 , 34, 434-441	1.6	61
52	Greener and Smarter Phones for Future Cities: Characterizing the Impact of GPS Signal Strength on Power Consumption. <i>IEEE Access</i> , 2016 , 4, 858-868	3.5	44
51	Use of elliptic curve cryptography for multimedia encryption. <i>IET Information Security</i> , 2013 , 7, 67-74	1.4	40
50	A Secure Cloud Computing Model based on Data Classification. <i>Procedia Computer Science</i> , 2015 , 52, 1153-1158	1.6	35
49	Large Scale Cloudlets Deployment for Efficient Mobile Cloud Computing. <i>Journal of Networks</i> , 2015 , 10,		34
48	Studying the Energy Consumption in Mobile Devices. <i>Procedia Computer Science</i> , 2016 , 94, 183-189	1.6	30
47	Convergence of Blockchain and IoT for Secure Transportation Systems in Smart Cities. <i>Security and Communication Networks</i> , 2021 , 2021, 1-13	1.9	26
46	Hardware Performance Evaluation of SHA-3 Candidate Algorithms. <i>Journal of Information Security</i> , 2012 , 03, 69-76	0.3	23
45	Experimental comparison of simulation tools for efficient cloud and mobile cloud computing applications. <i>Eurasip Journal on Information Security</i> , 2016 , 2016,		23
44	AES-512: 512-bit Advanced Encryption Standard algorithm design and evaluation 2011 ,		20
43	Delay-aware power optimization model for mobile edge computing systems. <i>Personal and Ubiquitous Computing</i> , 2017 , 21, 1067-1077	2.1	17
42	Efficient FPGA Implementation of a Programmable Architecture for GF(p) Elliptic Curve Crypto Computations. <i>Journal of Signal Processing Systems</i> , 2010 , 59, 233-244	1.4	17
41	Authorizations in Cloud-Based Internet of Things: Current Trends and Use Cases 2019 ,		16
40	Resilience Mobile Cloud Computing: Features, Applications and Challenges 2015 ,		16

39	2018,		15
38	Quality of Service requirements and Challenges in Generic WSN Infrastructures. <i>Procedia Computer Science</i> , 2017 , 109, 1116-1121	1.6	12
37	High-Throughput Encryption for Cloud Computing Storage System. <i>International Journal of Cloud Applications and Computing</i> , 2014 , 4, 1-14	3.1	11
36	Deep Learning Modalities for Biometric Alteration Detection in 5G Networks-Based Secure Smart Cities. <i>IEEE Access</i> , 2021 , 9, 94780-94788	3.5	11
35	Autoregressive Modeling and Prediction of Annual Worldwide Cybercrimes for Cloud Environments 2019,		10
34	Efficient Dynamic S-Box Generation Using Linear Trigonometric Transformation for Security Applications. <i>IEEE Access</i> , 2021 , 9, 98460-98475	3.5	10
33	Efficient techniques for energy optimization in Mobile Cloud Computing 2015,		9
32	28 Nanometers FPGAs Support for High Throughput and Low Power Cryptographic Applications. <i>Journal of Advances in Information Technology</i> , 2013 , 4,	0.2	7
31	Efficient Software-Based Mobile Cloud Computing Framework 2015,		6
30	Cybersecurity Analysis: Investigating the Data Integrity and Privacy in AWS and Azure Cloud Platforms. <i>Studies in Big Data</i> , 2021 , 329-360	0.9	6
29	Cooperative models in cloud and mobile cloud computing 2016,		5
28	Improving the impact of power efficiency in mobile cloud applications using cloudlet model. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e5709	1.4	4
27	Authorization Model for IoT Healthcare Systems: Case Study 2020,		4
26	Hardware Design and Implementation of ElGamal Public-Key Cryptography Algorithm. <i>Information Security Journal</i> , 2010 , 19, 243-252	1	4
25	Emerging Concepts Using Blockchain and Big Data. <i>Procedia Computer Science</i> , 2022 , 198, 15-22	1.6	4
24	The NICE Cyber Security Framework 2020,		3
23	Software-defined systems support for secure cloud computing based on data classification. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017 , 72, 335-345	2	3
22	A More Secure Image Hiding Scheme Using Pixel Adjustment and Genetic Algorithm. <i>International Journal of Information Security and Privacy</i> , 2013 , 7, 1-15	0.9	3

21	2020,			3
20	Artificial Intelligence and Blockchain for Cybersecurity Applications. <i>Studies in Big Data</i> , 2021 , 3-29	0.9		3
19	Power Optimization of Large Scale Mobile Cloud System Using Cooperative Cloudlets 2016,			2
18	Improved gossip protocol for blockchain applications. <i>Cluster Computing</i> ,1	2.1		2
17	Edge enabled IoT system model for secure healthcare. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 191, 110792	4.6		2
16	An Efficient Multimodal Deep Learning COVID-19 Diagnostic System for Noisy and Corrupted Images.. <i>Journal of King Saud University - Science</i> , 2022 , 101898	3.6		2
15	Surveillance Missions Deployment on the Edge by Combining Swarm Robotics and Blockchain 2020,			2
14	Mobile and Cloud Computing Security. <i>Studies in Computational Intelligence</i> , 2021 , 461-483	0.8		2
13	IoT Cloud Enabled Model for Safe and Smart Agriculture Environment 2021,			2
12	Framework for Mobile Devices Analysis. <i>Procedia Computer Science</i> , 2016 , 83, 1188-1193	1.6		1
11	A Novel High Quality High Capacity Image Hiding Scheme Based on Image Compression and an Optical Pixel Adjustment Process. <i>Information Security Journal</i> , 2012 , 21, 256-268	1		1
10	WSN-based Interactive Dynamic Maps for Guidance in Al-Masjid Al-Haram 2019,			1
9	Towards building data analytics benchmarks for IoT intrusion detection. <i>Cluster Computing</i> ,1	2.1		1
8	Blockchain for Cyber-Physical Systems: Challenges and Applications. <i>Internet of Things</i> , 2022 , 11-59	1.3		1
7	Automated negotiated user profiling across distributed social mobile clouds for resource optimisation. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e4349	1.4		0
6	A Deep Learning Ensemble Approach to Detecting Unknown Network Attacks. <i>Journal of Information Security and Applications</i> , 2022 , 67, 103196	3.5		0
5	Efficient Modular Squaring Algorithms for Hardware Implementation in GF(p). <i>Information Security Journal</i> , 2009 , 18, 131-138	1		
4	System Architecture 2020 , 195-206			

3 Network Management **2020**, 99-115

2 High-Throughput Encryption for Cloud Computing Storage System **2015**, 2274-2287

1 Models versus Datasets: Reducing Bias through Building a Comprehensive IDS Benchmark. *Future Internet*, **2021**, 13, 318

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