

Loïc A Tawalbeh

List of Publications by Year in descending order

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57
papers

1,593
citations

430442

18
h-index

344852

36
g-index

59
all docs

59
docs citations

59
times ranked

1390
citing authors

#	ARTICLE	IF	CITATIONS
1	IoT Privacy and Security: Challenges and Solutions. Applied Sciences (Switzerland), 2020, 10, 4102.	1.3	307
2	Mobile Cloud Computing Model and Big Data Analysis for Healthcare Applications. IEEE Access, 2016, 4, 6171-6180.	2.6	225
3	Cyber Security Attacks on Smart Cities and Associated Mobile Technologies. Procedia Computer Science, 2017, 109, 1086-1091.	1.2	124
4	Scalable Cloudlet-based Mobile Computing Model. Procedia Computer Science, 2014, 34, 434-441.	1.2	74
5	Greener and Smarter Phones for Future Cities: Characterizing the Impact of GPS Signal Strength on Power Consumption. IEEE Access, 2016, 4, 858-868.	2.6	65
6	Convergence of Blockchain and IoT for Secure Transportation Systems in Smart Cities. Security and Communication Networks, 2021, 2021, 1-13.	1.0	60
7	A Secure Cloud Computing Model based on Data Classification. Procedia Computer Science, 2015, 52, 1153-1158.	1.2	56
8	Use of elliptic curve cryptography for multimedia encryption. IET Information Security, 2013, 7, 67-74.	1.1	55
9	Large Scale Cloudlets Deployment for Efficient Mobile Cloud Computing. Journal of Networks, 2015, 10, .	0.4	52
10	Studying the Energy Consumption in Mobile Devices. Procedia Computer Science, 2016, 94, 183-189.	1.2	46
11	AES-512: 512-bit Advanced Encryption Standard algorithm design and evaluation. , 2011, , .		32
12	Hardware Performance Evaluation of SHA-3 Candidate Algorithms. Journal of Information Security, 2012, 03, 69-76.	0.4	31
13	Experimental comparison of simulation tools for efficient cloud and mobile cloud computing applications. Eurasip Journal on Information Security, 2016, 2016, .	2.2	30
14	Deep Learning Modalities for Biometric Alteration Detection in 5G Networks-Based Secure Smart Cities. IEEE Access, 2021, 9, 94780-94788.	2.6	30
15	Efficient Dynamic S-Box Generation Using Linear Trigonometric Transformation for Security Applications. IEEE Access, 2021, 9, 98460-98475.	2.6	27
16	Context-Aware, Accurate, and Real Time Fall Detection System for Elderly People. , 2018, , .		25
17	Delay-aware power optimization model for mobile edge computing systems. Personal and Ubiquitous Computing, 2017, 21, 1067-1077.	1.9	24
18	Resilience Mobile Cloud Computing: Features, Applications and Challenges. , 2015, , .		23

#	ARTICLE	IF	CITATIONS
19	Efficient FPGA Implementation of a Programmable Architecture for GF(p) Elliptic Curve Crypto Computations. Journal of Signal Processing Systems, 2010, 59, 233-244.	1.4	21
20	Emerging Concepts Using Blockchain and Big Data. Procedia Computer Science, 2022, 198, 15-22.	1.2	21
21	Quality of Service requirements and Challenges in Generic WSN Infrastructures. Procedia Computer Science, 2017, 109, 1116-1121.	1.2	18
22	Authorizations in Cloud-Based Internet of Things: Current Trends and Use Cases. , 2019, , .		18
23	Autoregressive Modeling and Prediction of Annual Worldwide Cybercrimes for Cloud Environments. , 2019, , .		14
24	Artificial Intelligence and Blockchain for Cybersecurity Applications. Studies in Big Data, 2021, , 3-29.	0.8	14
25	Efficient techniques for energy optimization in Mobile Cloud Computing. , 2015, , .		13
26	Improved gossip protocol for blockchain applications. Cluster Computing, 2022, 25, 1915-1926.	3.5	13
27	High-Throughput Encryption for Cloud Computing Storage System. International Journal of Cloud Applications and Computing, 2014, 4, 1-14.	1.1	12
28	Predicting and Preventing Cyber Attacks During COVID-19 Time Using Data Analysis and Proposed Secure IoT layered Model. , 2020, , .		12
29	Cybersecurity Analysis: Investigating the Data Integrity and Privacy in AWS and Azure Cloud Platforms. Studies in Big Data, 2021, , 329-360.	0.8	12
30	IoT Cloud Enabled Model for Safe and Smart Agriculture Environment. , 2021, , .		12
31	Efficient multimodal deep-learning-based COVID-19 diagnostic system for noisy and corrupted images. Journal of King Saud University - Science, 2022, 34, 101898.	1.6	11
32	Efficient Software-Based Mobile Cloud Computing Framework. , 2015, , .		9
33	Cooperative models in cloud and mobile cloud computing. , 2016, , .		9
34	Hardware Design and Implementation of ElGamal Public-Key Cryptography Algorithm. Information Security Journal, 2010, 19, 243-252.	1.3	8
35	A More Secure Image Hiding Scheme Using Pixel Adjustment and Genetic Algorithm. International Journal of Information Security and Privacy, 2013, 7, 1-15.	0.6	8
36	Authorization Model for IoT Healthcare Systems: Case Study. , 2020, , .		8

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37	Mobile and Cloud Computing Security. Studies in Computational Intelligence, 2021, , 461-483.	0.7	7
38	28 Nanometers FPGAs Support for High Throughput and Low Power Cryptographic Applications. Journal of Advances in Information Technology, 2013, 4, .	2.6	7
39	Blockchain for Cyber-Physical Systems: Challenges and Applications. Internet of Things, 2022, , 11-59.	1.3	7
40	Framework for Mobile Devices Analysis. Procedia Computer Science, 2016, 83, 1188-1193.	1.2	6
41	Improving the impact of power efficiency in mobile cloud applications using cloudlet model. Concurrency Computation Practice and Experience, 2020, 32, e5709.	1.4	6
42	Edge enabled IoT system model for secure healthcare. Measurement: Journal of the International Measurement Confederation, 2022, 191, 110792.	2.5	6
43	An efficient hardware architecture of a scalable elliptic curve crypto-processor over GF(2n). , 2005, , .		5
44	Towards building data analytics benchmarks for IoT intrusion detection. Cluster Computing, 0, , 1.	3.5	5
45	Software-defined systems support for secure cloud computing based on data classification. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 335-345.	1.6	4
46	The NICE Cyber Security Framework. , 2020, , .		4
47	A Deep Learning Ensemble Approach to Detecting Unknown Network Attacks. Journal of Information Security and Applications, 2022, 67, 103196.	1.8	4
48	Power Optimization of Large Scale Mobile Cloud System Using Cooperative Cloudlets. , 2016, , .		3
49	Automated negotiated user profiling across distributed social mobile clouds for resource optimisation. Concurrency Computation Practice and Experience, 2020, 32, e4349.	1.4	3
50	A Novel High Quality High Capacity Image Hiding Scheme Based on Image Compression and an Optical Pixel Adjustment Process. Information Security Journal, 2012, 21, 256-268.	1.3	2
51	WSN-based Interactive Dynamic Maps for Guidance in Al-Masjid Al-Haram. , 2019, , .		2
52	Surveillance Missions Deployment on the Edge by Combining Swarm Robotics and Blockchain. , 2020, , .		2
53	Models versus Datasets: Reducing Bias through Building a Comprehensive IDS Benchmark. Future Internet, 2021, 13, 318.	2.4	1
54	A novel method to guarantee QoS during DOS attacks for IPTV using SIP. , 2009, , .		0

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55	Efficient Modular Squaring Algorithms for Hardware Implementation in GF(p). Information Security Journal, 2009, 18, 131-138.	1.3	0
56	High-Throughput Encryption for Cloud Computing Storage System. , 2015, , 2274-2287.		0
57	Network Management. , 2020, , 99-115.		0