

Omar Alfandi

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.

75
papers

520
citations

12
h-index

19
g-index

87
ext. papers

797
ext. citations

3.6
avg, IF

4.67
L-index

#	Paper	IF	Citations
75	An Authentic-Based Privacy Preservation Protocol for Smart e-Healthcare Systems in IoT. <i>IEEE Access</i> , 2019 , 7, 135632-135649	3.5	71
74	Outlier Detection. <i>ACM Computing Surveys</i> , 2020 , 53, 1-37	13.4	33
73	Cyberphysical Blockchain-Enabled Peer-to-Peer Energy Trading. <i>Computer</i> , 2020 , 53, 56-65	1.6	28
72	A secure fog-based platform for SCADA-based IoT critical infrastructure. <i>Software - Practice and Experience</i> , 2020 , 50, 503-518	2.5	25
71	Blockchain Solution for IoT-based Critical Infrastructures: Byzantine Fault Tolerance 2020 ,		23
70	A Comprehensive Survey of the Tactile Internet: State-of-the-Art and Research Directions. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 472-523	37.1	21
69	Towards robust key extraction from multipath wireless channels. <i>Journal of Communications and Networks</i> , 2012 , 14, 385-395	4.1	18
68	A survey on boosting IoT security and privacy through blockchain. <i>Cluster Computing</i> , 2021 , 24, 37-55	2.1	18
67	IoT-BSFCAN: A smart context-aware system in IoT-Cloud using mobile-fogging. <i>Future Generation Computer Systems</i> , 2020 , 109, 368-381	7.5	16
66	Graph-theoretic characterization of cyber-threat infrastructures. <i>Digital Investigation</i> , 2015 , 14, S3-S15	3.3	13
65	Auto-Configuration of ACL Policy in Case of Topology Change in Hybrid SDN. <i>IEEE Access</i> , 2016 , 4, 9437-9450	3.5	13
64	A Refinement of Lasso Regression Applied to Temperature Forecasting. <i>Procedia Computer Science</i> , 2018 , 130, 728-735	1.6	13
63	Secure and Authenticated Data Communication in Wireless Sensor Networks. <i>Sensors</i> , 2015 , 15, 19560-828	3.8	10
62	A Survey on Measures for Secure Routing in Wireless Sensor Networks. <i>International Journal of Sensor Networks and Data Communications</i> , 2012 , 1, 1-17		10
61	Consistently accurate forecasts of temperature within buildings from sensor data using ridge and lasso regression. <i>Future Generation Computer Systems</i> , 2020 , 110, 382-392	7.5	10
60	. <i>IEEE Access</i> , 2020 , 8, 113498-113511	3.5	9
59	Trust integrated link state routing protocol for Wireless Sensor Networks (TILSRP) 2011 ,		8

58	Fog Computing Framework for Internet of Things Applications 2018,		8
57	Guaranteed lifetime protocol for IoT based wireless sensor networks with multiple constraints. <i>Ad Hoc Networks</i> , 2020 , 104, 102158	4.8	7
56	A Framework for Predicting Haptic Feedback in Needle Insertion in 5G Remote Robotic Surgery 2020,		7
55	Alert me: Enhancing active lifestyle via observing sedentary behavior using mobile sensing systems 2017,		7
54	Smart parking system for vehicles 2014,		7
53	Analysis of cloud computing attacks and countermeasures 2016,		6
52	Selecting Sensors when Forecasting Temperature in Smart Buildings. <i>Procedia Computer Science</i> , 2017 , 109, 777-784	1.6	6
51	Energy efficient resource allocation for NOMA in cellular IoT with energy harvesting 2017,		6
50	Intelligent mechanisms for key generation from multipath wireless channels 2011,		6
49	A Parallelized Database Damage Assessment Approach after Cyberattack for Healthcare Systems. <i>Future Internet</i> , 2021 , 13, 90	3.3	6
48	Engaging Students With a Chatbot-Based Academic Advising System. <i>International Journal of Human-Computer Interaction</i> , 1-27	3.6	6
47	Ensuring Reliability and Low Cost When Using a Parallel VNF Processing Approach to Embed Delay-Constrained Slices. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 2226-2241	4.8	5
46	An optimal sensor deployment scheme to ensure multi level coverage and connectivity in wireless sensor networks 2012,		5
45	Calculating the Speed of Vehicles Using Wireless Sensor Networks		5
44	A Novel Feature Selection-Based Sequential Ensemble Learning Method for Class Noise Detection in High-Dimensional Data. <i>Lecture Notes in Computer Science</i> , 2018 , 55-65	0.9	5
43	Accurately forecasting temperatures in smart buildings using fewer sensors. <i>Personal and Ubiquitous Computing</i> , 2019 , 23, 921-929	2.1	5
42	Features Weight Estimation Using a Genetic Algorithm for Customer Churn Prediction in the Telecom Sector. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 483-491	0.4	4
41	Non-Orthogonal Radio Resource Management for RF Energy Harvested 5G Networks. <i>IEEE Access</i> , 2019 , 7, 46550-46561	3.5	4

40	Efficient geographical 3D routing for Wireless Sensor Networks in smart spaces 2011 ,		4
39	Analysis of cloud computing attacks and countermeasures 2016 ,		4
38	Towards an open source architecture for multi-operator LTE core networks. <i>Journal of Network and Computer Applications</i> , 2016 , 75, 101-109	7.9	4
37	A Fog-Based Architecture for Remote Phobia Treatment 2019 ,		4
36	Optimal Clustering in Wireless Sensor Networks for the Internet of Things Based on Memetic Algorithm: memeWSN. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-14	1.9	4
35	2015 ,		3
34	Open-Source Based Testbed for Multioperator 4G/5G Infrastructure Sharing in Virtual Environments. <i>Wireless Communications and Mobile Computing</i> , 2017 , 2017, 1-11	1.9	3
33	An RFID solution for the monitoring of storage time and localization of perishable food in a distribution center 2015 ,		3
32	Leader selection in wireless sensor networks [A]n energy efficient approach 2014 ,		3
31	Fuzzy Logic Election of Node for Routing in WSNs 2012 ,		3
30	The design and implementation of a wireless healthcare application for WSN-enabled IMS environments 2013 ,		3
29	Detecting Distributed Denial of Service Attacks in Neighbour Discovery Protocol Using Machine Learning Algorithm Based on Streams Representation. <i>Lecture Notes in Computer Science</i> , 2018 , 551-563 ^{0.9}		3
28	Forecasting Internal Temperature in a Home with a Sensor Network. <i>Procedia Computer Science</i> , 2016 , 83, 1244-1249	1.6	3
27	Forecasting Temperature in a Smart Home with Segmented Linear Regression. <i>Procedia Computer Science</i> , 2019 , 155, 511-518	1.6	2
26	Received signal strength indication for movement detection 2015 ,		2
25	Remote Data Acquisition Using Raspberry Pi3 2018 ,		2
24	Evaluation of Linux SMTP server security aspects [A] case study 2016 ,		2
23	A Novel Indirect Trust Based Link State Routing Scheme Using a Robust Route Trust Method for Wireless Sensor Networks 2012 ,		2

22	2012,		2
21	A privacy-preserving and power-efficient bicycle tracking scheme for theft mitigation 2016,		2
20	Enabling High Performance Fog Computing through Fog-2-Fog Coordination Model 2019,		2
19	Probabilistic analysis of security attacks in cloud environment using hidden Markov models. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , e3915	1.9	2
18	2018,		2
17	On the Validation of Web X.509 Certificates by TLS interception products. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2020 , 1-1	3.9	1
16	A New Business Model and Architecture for Context-Aware Applications Provisioning in the Cloud 2014,		1
15	An Approach for the Validation of File Recovery Functions in Digital Forensics\Software Tools 2014		1
14	Simple secure PKI-based scheme for wireless sensor networks 2011,		1
13	2011,		1
12	On improving the robustness of physical-layer key extraction mechanisms against delay and mobility 2012,		1
11	Performance Evaluation of PANA Pre-authentication and PANA Context Transfer 2008,		1
10	Enabling Pervasiveness by Seamless Inter-domain Handover: Performance Study of PANA Pre-authentication 2008,		1
9	Assessment and Hardening of IoT Development Boards. <i>Lecture Notes in Computer Science</i> , 2019 , 27-39	0.9	1
8	Twin Delayed Deep Deterministic Policy Gradient-Based Target Tracking for Unmanned Aerial Vehicle With Achievement Rewarding and Multistage Training. <i>IEEE Access</i> , 2022 , 10, 23545-23559	3.5	0
7	A New Intra-Cluster Scheduling Scheme for Real-Time Flows in Wireless Sensor Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 683	2.6	
6	Fuzzy searching and routing in unstructured mobile peer-to-peer networks. <i>Cluster Computing</i> , 2018 , 21, 363-375	2.1	
5	Seamless WSN Connectivity Using Diverse Wireless Links. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 3-11	0.2	

- 4 Trust integrated node potential aware routing for WSNs. *International Journal of Trust Management in Computing and Communications*, **2014**, 2, 103
- 3 E-Healthcare Knowledge Creation Platform Using Action Research. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 120-125 0.2
- 2 Cloud Digital Forensics Evaluation and Crimes Detection. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 171-180 0.2
- 1 ENROUTE: An Entropy Aware Routing Scheme for Information-Centric Networks (ICN). *Wireless Personal Communications*,1 1.9