

Omar Alfandi

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.

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	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
74	A Parallelized Database Damage Assessment Approach after Cyberattack for Healthcare Systems. <i>Future Internet</i> , 2021 , 13, 90	3.3	6
73	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
72	A survey on boosting IoT security and privacy through blockchain. <i>Cluster Computing</i> , 2021 , 24, 37-55	2.1	18
71	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
70	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
69	Blockchain Solution for IoT-based Critical Infrastructures: Byzantine Fault Tolerance 2020 ,		23
68	. <i>IEEE Access</i> , 2020 , 8, 113498-113511	3.5	9
67	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
66	A New Intra-Cluster Scheduling Scheme for Real-Time Flows in Wireless Sensor Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 683	2.6	
65	Guaranteed lifetime protocol for IoT based wireless sensor networks with multiple constraints. <i>Ad Hoc Networks</i> , 2020 , 104, 102158	4.8	7
64	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
63	A Framework for Predicting Haptic Feedback in Needle Insertion in 5G Remote Robotic Surgery 2020 ,		7
62	Outlier Detection. <i>ACM Computing Surveys</i> , 2020 , 53, 1-37	13.4	33
61	Cyberphysical Blockchain-Enabled Peer-to-Peer Energy Trading. <i>Computer</i> , 2020 , 53, 56-65	1.6	28
60	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
59	A secure fog-based platform for SCADA-based IoT critical infrastructure. <i>Software - Practice and Experience</i> , 2020 , 50, 503-518	2.5	25

58	Probabilistic analysis of security attacks in cloud environment using hidden Markov models. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , e3915	1.9	2
57	Forecasting Temperature in a Smart Home with Segmented Linear Regression. <i>Procedia Computer Science</i> , 2019 , 155, 511-518	1.6	2
56	An Authentic-Based Privacy Preservation Protocol for Smart e-Healthcare Systems in IoT. <i>IEEE Access</i> , 2019 , 7, 135632-135649	3.5	71
55	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
54	Non-Orthogonal Radio Resource Management for RF Energy Harvested 5G Networks. <i>IEEE Access</i> , 2019 , 7, 46550-46561	3.5	4
53	Assessment and Hardening of IoT Development Boards. <i>Lecture Notes in Computer Science</i> , 2019 , 27-39	0.9	1
52	Enabling High Performance Fog Computing through Fog-2-Fog Coordination Model 2019 ,		2
51	A Fog-Based Architecture for Remote Phobia Treatment 2019 ,		4
50	Accurately forecasting temperatures in smart buildings using fewer sensors. <i>Personal and Ubiquitous Computing</i> , 2019 , 23, 921-929	2.1	5
49	Remote Data Acquisition Using Raspberry Pi3 2018 ,		2
48	Fuzzy searching and routing in unstructured mobile peer-to-peer networks. <i>Cluster Computing</i> , 2018 , 21, 363-375	2.1	
47	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	
46	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
45	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
44	E-Healthcare Knowledge Creation Platform Using Action Research. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 120-125	0.2	
43	Cloud Digital Forensics Evaluation and Crimes Detection. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 171-180	0.2	
42	Fog Computing Framework for Internet of Things Applications 2018 ,		8
41	A Refinement of Lasso Regression Applied to Temperature Forecasting. <i>Procedia Computer Science</i> , 2018 , 130, 728-735	1.6	13

40	2018,			2
39	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
38	Selecting Sensors when Forecasting Temperature in Smart Buildings. <i>Procedia Computer Science</i> , 2017 , 109, 777-784	1.6		6
37	Alert me: Enhancing active lifestyle via observing sedentary behavior using mobile sensing systems 2017,			7
36	Energy efficient resource allocation for NOMA in cellular IoT with energy harvesting 2017,			6
35	Evaluation of Linux SMTP server security aspects A case study 2016,			2
34	Analysis of cloud computing attacks and countermeasures 2016,			6
33	Auto-Configuration of ACL Policy in Case of Topology Change in Hybrid SDN. <i>IEEE Access</i> , 2016 , 4, 9437-9450	3.5		13
32	Forecasting Internal Temperature in a Home with a Sensor Network. <i>Procedia Computer Science</i> , 2016 , 83, 1244-1249	1.6		3
31	Analysis of cloud computing attacks and countermeasures 2016,			4
30	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
29	A privacy-preserving and power-efficient bicycle tracking scheme for theft mitigation 2016,			2
28	Received signal strength indication for movement detection 2015,			2
27	2015,			3
26	Graph-theoretic characterization of cyber-threat infrastructures. <i>Digital Investigation</i> , 2015 , 14, S3-S15	3.3		13
25	Secure and Authenticated Data Communication in Wireless Sensor Networks. <i>Sensors</i> , 2015 , 15, 19560-828	3.8		10
24	An RFID solution for the monitoring of storage time and localization of perishable food in a distribution center 2015,			3
23	A New Business Model and Architecture for Context-Aware Applications Provisioning in the Cloud 2014,			1

22	An Approach for the Validation of File Recovery Functions in Digital Forensics\Software Tools 2014	1
21	Smart parking system for vehicles 2014 ,	7
20	Leader selection in wireless sensor networks [An energy efficient approach 2014 ,	3
19	Trust integrated node potential aware routing for WSNs. <i>International Journal of Trust Management in Computing and Communications</i> , 2014 , 2, 103	
18	The design and implementation of a wireless healthcare application for WSN-enabled IMS environments 2013 ,	3
17	Fuzzy Logic Election of Node for Routing in WSNs 2012 ,	3
16	An optimal sensor deployment scheme to ensure multi level coverage and connectivity in wireless sensor networks 2012 ,	5
15	Towards robust key extraction from multipath wireless channels. <i>Journal of Communications and Networks</i> , 2012 , 14, 385-395	4.1 18
14	A Novel Indirect Trust Based Link State Routing Scheme Using a Robust Route Trust Method for Wireless Sensor Networks 2012 ,	2
13	2012 ,	2
12	On improving the robustness of physical-layer key extraction mechanisms against delay and mobility 2012 ,	1
11	A Survey on Measures for Secure Routing in Wireless Sensor Networks. <i>Internatinoal Journal of Sensor Networks and Data Communications</i> , 2012 , 1, 1-17	10
10	Intelligent mechanisms for key generation from multipath wireless channels 2011 ,	6
9	Efficient geographical 3D routing for Wireless Sensor Networks in smart spaces 2011 ,	4
8	Simple secure PKI-based scheme for wireless sensor networks 2011 ,	1
7	Trust integrated link state routing protocol for Wireless Sensor Networks (TILSRP) 2011 ,	8
6	2011 ,	1
5	Performance Evaluation of PANA Pre-authentication and PANA Context Transfer 2008 ,	1

4	Enabling Pervasiveness by Seamless Inter-domain Handover: Performance Study of PANA Pre-authentication 2008 ,		1
3	Calculating the Speed of Vehicles Using Wireless Sensor Networks		5
2	ENROUTE: An Entropy Aware Routing Scheme for Information-Centric Networks (ICN). <i>Wireless Personal Communications</i> ,1	1.9	
1	Engaging Students With a Chatbot-Based Academic Advising System. <i>International Journal of Human-Computer Interaction</i> ,1-27	3.6	6