

Fadi Aloul

List of Publications by Year in descending order

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39
papers

1,444
citations

933447

10
h-index

839539

18
g-index

39
all docs

39
docs citations

39
times ranked

1432
citing authors

#	ARTICLE	IF	CITATIONS
1	Internet of things (IoT) security: Current status, challenges and prospective measures. , 2015, , .		392
2	A Mobile GPRS-Sensors Array for Air Pollution Monitoring. IEEE Sensors Journal, 2010, 10, 1666-1671.	4.7	248
3	Two factor authentication using mobile phones. , 2009, , .		156
4	A comparative study of two Boolean formulations of FPGA detailed routing constraints. IEEE Transactions on Computers, 2004, 53, 688-696.	3.4	76
5	Classifying obstructive sleep apnea using smartphones. Journal of Biomedical Informatics, 2014, 52, 251-259.	4.3	74
6	Smart grid cyber security: Challenges and solutions. , 2015, , .		54
7	Digital Twin Conceptual Model within the Context of Internet of Things. Future Internet, 2020, 12, 163.	3.8	54
8	Sleep Apnea Monitoring using mobile phones. , 2012, , .		41
9	iBump: Smartphone application to detect car accidents. Computers and Electrical Engineering, 2015, 43, 66-75.	4.8	33
10	Security of mobile health (mHealth) systems. , 2015, , .		30
11	Generative Deep Learning to Detect Cyberattacks for the IoT-23 Dataset. IEEE Access, 2022, 10, 6430-6441.	4.2	29
12	Emotion recognition using mobile phones. Computers and Electrical Engineering, 2017, 60, 1-13.	4.8	24
13	Optimizing Complex Cluster Formation in MANETs Using SAT/ILP Techniques. IEEE Sensors Journal, 2013, 13, 2400-2412.	4.7	23
14	A Machine Learning Approach to Predicting Diabetes Complications. Healthcare (Switzerland), 2021, 9, 1712.	2.0	19
15	ParkNosis: Diagnosing Parkinson's disease using mobile phones. , 2016, , .		18
16	MobSpiro: Mobile based spirometry for detecting COPD. , 2017, , .		17
17	Two-Dimensional Rotation of Chaotic Attractors: Demonstrative Examples and FPGA Realization. Circuits, Systems, and Signal Processing, 2019, 38, 4890-4903.	2.0	17
18	Towards Validating the Effectiveness of Obstructive Sleep Apnea Classification from Electronic Health Records Using Machine Learning. Healthcare (Switzerland), 2021, 9, 1450.	2.0	17

#	ARTICLE	IF	CITATIONS
19	Securing Low-Resource Edge Devices for IoT Systems. , 2018, , .		16
20	iBump: Smartphone application to detect car accidents. , 2014, , .		13
21	Emotion recognition using mobile phones. , 2016, , .		11
22	AutiAid: A learning mobile application for autistic children. , 2017, , .		11
23	DigiMesh-based Social Internet of Vehicles (SloV) for Driver Safety. , 2018, , .		10
24	Updating snort with a customized controller to thwart port scanning. Security and Communication Networks, 2011, 4, 807-814.	1.5	8
25	A case study of a college-wide first-year undergraduate engineering course. European Journal of Engineering Education, 2015, 40, 32-51.	2.3	7
26	FPGA Realizations of Chaotic Epidemic and Disease Models Including Covid-19. IEEE Access, 2021, 9, 21085-21093.	4.2	7
27	Cyber Physical Sensors System Security: Threats, Vulnerabilities, and Solutions. , 2018, , .		6
28	Brokering Services for Integrating Health Cloud Platforms for Remote Patient Monitoring. , 2018, , .		6
29	Network Intrusion Detection on the IoT Edge Using Adversarial Autoencoders. , 2021, , .		6
30	Monitoring patients' signs wirelessly. , 2011, , .		4
31	Using Mobiles to Monitor Respiratory Diseases. Informatics, 2020, 7, 56.	3.9	4
32	Improving Student Experience Using Automated Toolset of Academic Services. , 2020, , .		4
33	Real traffic logs creation for testing intrusion detection systems. Wireless Communications and Mobile Computing, 2015, 15, 1851-1864.	1.2	3
34	Using SAT & ILP techniques to solve enhanced ILP formulations of the Clustering Problem in MANETS. , 2012, , .		2
35	M-stock: Efficient stock monitoring for mobile users. Journal of the Franklin Institute, 2011, 348, 1298-1311.	3.4	1
36	Monitoring Patients' Signs Wirelessly. Journal of Medical Imaging and Health Informatics, 2011, 1, 252-255.	0.3	1

#	ARTICLE	IF	CITATIONS
37	A SAT-based approach to solve the faculty course scheduling problem. , 2013, , .		1
38	Detecting Heart Anomalies Using Mobile Phones and Machine Learning. , 2019, , .		1
39	Design4Health Bootcamp: A design thinking approach to improve the 21st century skills of health, engineering and design students. , 2020, , .		0