Fadi Aloul

List of Publications by Year
in descending order

		933447	839539
39 papers	1,444 citations	10 h-index	18 g-index
39 all docs	39 docs citations	39 times ranked	1432 citing authors

#	Article	IF	Citations
1	Generative Deep Learning to Detect Cyberattacks for the IoT-23 Dataset. IEEE Access, 2022, 10, 6430-6441.	4.2	29
2	Network Intrusion Detection on the IoT Edge Using Adversarial Autoencoders. , 2021, , .		6
3	FPGA Realizations of Chaotic Epidemic and Disease Models Including Covid-19. IEEE Access, 2021, 9, 21085-21093.	4.2	7
4	Towards Validating the Effectiveness of Obstructive Sleep Apnea Classification from Electronic Health Records Using Machine Learning. Healthcare (Switzerland), 2021, 9, 1450.	2.0	17
5	A Machine Learning Approach to Predicting Diabetes Complications. Healthcare (Switzerland), 2021, 9, 1712.	2.0	19
6	Digital Twin Conceptual Model within the Context of Internet of Things. Future Internet, 2020, 12, 163.	3.8	54
7	Design4Health Bootcamp: A design thinking approach to improve the 21stcentury skills of health, engineering and design students. , 2020, , .		0
8	Using Mobiles to Monitor Respiratory Diseases. Informatics, 2020, 7, 56.	3.9	4
9	Improving Student Experience Using Automated Toolset of Academic Services. , 2020, , .		4
10	Two-Dimensional Rotation of Chaotic Attractors: Demonstrative Examples and FPGA Realization. Circuits, Systems, and Signal Processing, 2019, 38, 4890-4903.	2.0	17
11	Detecting Heart Anomalies Using Mobile Phones and Machine Learning. , 2019, , .		1
12	Securing Low-Resource Edge Devices for IoT Systems. , 2018, , .		16
13	Cyber Physical Sensors System Security: Threats, Vulnerabilities, and Solutions. , 2018, , .		6
14	Brokering Services for Integrating Health Cloud Platforms for Remote Patient Monitoring. , 2018, , .		6
15	DigiMesh-based Social Internet of Vehicles (SIoV) for Driver Safety. , 2018, , .		10
16	MobSpiro: Mobile based spirometry for detecting COPD. , 2017, , .		17
17	Emotion recognition using mobile phones. Computers and Electrical Engineering, 2017, 60, 1-13.	4.8	24
18	AutiAid: A learning mobile application for autistic children. , 2017, , .		11

#	Article	IF	Citations
19	ParkNosis: Diagnosing Parkinson's disease using mobile phones. , 2016, , .		18
20	Emotion recognition using mobile phones. , 2016, , .		11
21	Smart grid cyber security: Challenges and solutions. , 2015, , .		54
22	Internet of things (IoT) security: Current status, challenges and prospective measures. , 2015, , .		392
23	Security of mobile health (mHealth) systems. , 2015, , .		30
24	A case study of a college-wide first-year undergraduate engineering course. European Journal of Engineering Education, 2015, 40, 32-51.	2.3	7
25	iBump: Smartphone application to detect car accidents. Computers and Electrical Engineering, 2015, 43, 66-75.	4.8	33
26	Real traffic logs creation for testing intrusion detection systems. Wireless Communications and Mobile Computing, 2015, 15, 1851-1864.	1.2	3
27	iBump: Smartphone application to detect car accidents. , 2014, , .		13
28	Classifying obstructive sleep apnea using smartphones. Journal of Biomedical Informatics, 2014, 52, 251-259.	4.3	74
29	Optimizing Complex Cluster Formation in MANETs Using SAT/ILP Techniques. IEEE Sensors Journal, 2013, 13, 2400-2412.	4.7	23
30	A SAT-based approach to solve the faculty course scheduling problem. , 2013, , .		1
31	Sleep Apnea Monitoring using mobile phones. , 2012, , .		41
32	Using SAT & ILP techniques to solve enhanced ILP formulations of the Clustering Problem in MANETS. , 2012, , .		2
33	Monitoring patients' signs wirelessly. , 2011, , .		4
34	Updating snort with a customized controller to thwart port scanning. Security and Communication Networks, 2011, 4, 807-814.	1.5	8
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 Mobile GPRS-Sensors Array for Air Pollution Monitoring. IEEE Sensors Journal, 2010, 10, 1666-1671.	4.7	248
38	Two factor authentication using mobile phones. , 2009, , .		156
39	A comparative study of two Boolean formulations of FPGA detailed routing constraints. IEEE Transactions on Computers, 2004, 53, 688-696.	3.4	76