

Mohammad H Imam

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

313
citations

1478458

6
h-index

1720014

7
g-index

26
all docs

26
docs citations

26
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart Disease Detection by Using Machine Learning Algorithms and a Real-Time Cardiovascular Health Monitoring System. World Journal of Engineering and Technology, 2018, 06, 854-873.	0.5	97
2	Design of a Biosignal Based Stress Detection System Using Machine Learning Techniques. , 2019, , .		36
3	Association of cardiovascular risk using non-linear heart rate variability measures with the framingham risk score in a rural population. Frontiers in Physiology, 2013, 4, 186.	2.8	31
4	QT Variability Index Changes With Severity of Cardiovascular Autonomic Neuropathy. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 900-906.	3.2	28
5	Design of an arduino based voice-controlled automated wheelchair. , 2017, , .		16
6	Analyzing Systolic-Diastolic Interval Interaction Characteristics in Diabetic Cardiac Autonomic Neuropathy Progression. IEEE Journal of Translational Engineering in Health and Medicine, 2015, 3, 1-10.	3.7	15
7	Detecting Subclinical Diabetic Cardiac Autonomic Neuropathy by Analyzing Ventricular Repolarization Dynamics. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 64-72.	6.3	15
8	An Indoor Navigation System for Visually Impaired People Using a Path Finding Algorithm and a Wearable Cap. , 2018, , .		13
9	Design of a low-cost Hand Gesture Controlled Automated Wheelchair. , 2020, , .		13
10	Effect of ECG-derived respiration (EDR) on modeling ventricular repolarization dynamics in different physiological and psychological conditions. Medical and Biological Engineering and Computing, 2014, 52, 851-860.	2.8	10
11	Early Detection of Kidney Disease Using ECG Signals Through Machine Learning Based Modelling. , 2019, , .		8
12	Heart rate independent QT variability component can detect subclinical cardiac autonomic neuropathy in diabetes. , 2016, 2016, 928-931.		5
13	Effect of using ECG derived respiration (EDR) signal in linear parametric QT-RR modeling. , 2013, 2013, 1968-71.		4
14	Effect of premature activation in analyzing QT dynamics instability using QT-RR model for ventricular fibrillation and healthy subjects. , 2013, 2013, 2559-62.		3
15	Design of a Compact Simple Structured Dual-band Patch Antenna for Wireless On-body Medical and Sports Devices. , 2021, , .		3
16	Design of a Line Following Wheelchair for Visually Impaired Paralyzed Patient. , 2021, , .		3
17	Development of a low-cost textile sensor based insole to monitor foot pressure of diabetic patients. Journal of Medical Engineering and Technology, 2022, 46, 288-299.	1.4	3
18	Cortical response to psycho-physiological changes in auto-adaptive robot assisted gait training. , 2011, 2011, 7409-12.		2

#	ARTICLE	IF	CITATIONS
19	A novel technique to investigate the effect of ageing on ventricular repolarization characteristics in healthy and LQTS subjects. , 2015, 2015, 2796-9.		2
20	Design of an Arrhythmia Detection System Using Wearable PPG Sensor. , 2019, , .		2
21	Influence of stroke location on heart rate variability in robot-assistive neurorehabilitation. , 2014, , .		1
22	A novel technique for analysing beat-to-beat dynamical changes of QT-RR distribution for arrhythmia prediction. , 2015, , .		1
23	Influence of psychological stress on Systolic-Diastolic Interval (SDI) interaction characteristics measured from the electrocardiogram (ECG) signal. , 2015, , .		1
24	Design of an Automated Non-Invasive Electromechanical Ventilator with Feedback Mechanism. , 2021, , .		1
25	Emotional State Analysis Using Handheld Portable ECG Device. , 2019, , .		0
26	Pulse Wave Analysis using Tone-Entropy Algorithm in People with and without Foot Complaints in a Rural Diabetics Screening Clinic. , 2011, , .		0