

Mb Malarvili

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.

43
papers

417
citations

11
h-index

20
g-index

61
ext. papers

526
ext. citations

1.7
avg, IF

3.84
L-index

#	Paper	IF	Citations
43	Saliva-based biosensors: noninvasive monitoring tool for clinical diagnostics. <i>BioMed Research International</i> , 2014 , 2014, 962903	3	106
42	Newborn seizure detection based on heart rate variability. <i>IEEE Transactions on Biomedical Engineering</i> , 2009 , 56, 2594-603	5	45
41	Paroxysmal atrial fibrillation prediction method with shorter HRV sequences. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 134, 187-96	6.9	36
40	Paroxysmal atrial fibrillation prediction based on HRV analysis and non-dominated sorting genetic algorithm III. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 153, 171-184	6.9	29
39	Heart sound segmentation algorithm based on instantaneous energy of electrocardiogram 2003 ,		28
38	Real-time human respiration carbon dioxide measurement device for cardiorespiratory assessment. <i>Journal of Breath Research</i> , 2018 , 12, 026003	3.1	23
37	Time-Frequency Analysis of Heart Rate Variability for Neonatal Seizure Detection. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007 , 2007,	1.9	18
36	Assessment on Stationarity of EMG Signals with Different Windows Size During Isotonic Contractions. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1050	2.6	17
35	Automatic Quantitative Analysis of Human Respired Carbon Dioxide Waveform for Asthma and Non-Asthma Classification Using Support Vector Machine. <i>IEEE Access</i> , 2018 , 6, 55245-55256	3.5	12
34	Fusion of heart rate variability and salivary cortisol for stress response identification based on adverse childhood experience. <i>Medical and Biological Engineering and Computing</i> , 2019 , 57, 1229-1245	3.1	11
33	Combining newborn EEG and HRV information for automatic seizure detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 4756-9	0.9	11
32	HRV feature selection based on discriminant and redundancy analysis for neonatal seizure detection 2007 ,		8
31	Feature Extraction of Capnogram for Asthmatic Patient 2010 ,		7
30	Improved Gender Recognition during Stepping Activity for Rehab Application Using the Combinatorial Fusion Approach of EMG and HRV. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 348	2.6	5
29	HRV Feature Selection for Neonatal Seizure Detection: A Wrapper Approach 2007 ,		5
28	A HISTOGRAM-BASED ELECTROENCEPHALOGRAM SPIKE DETECTION		5
27	Analysis of Capnogram Using Linear Predictive Coding (LPC) to Differentiate Asthmatic Conditions. <i>Journal of Tissue Science & Engineering</i> , 2012 , 02,		5

26	Combination of EMG Features and Stability Index for Finger Movements Recognition. <i>Procedia Computer Science</i> , 2018 , 133, 92-98	1.6	5
25	Renyi entropy of quadratic time-frequency distributions: effects of signal parameters 2007 ,		4
24	Correlation between different DNA period-3 signals: An analytical study for exons prediction 2017 ,		3
23	Assessment of newly developed real-time human respiration carbon dioxide measurement device for management of asthma outside of hospital. <i>Technology and Health Care</i> , 2018 , 26, 785-794	1.1	3
22	Designing a respiratory CO2 measurement device for home monitoring of asthma severity 2014 ,		3
21	Automatic seizure detection based on the combination of newborn multi-channel EEG and HRV information. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	3
20	Time- frequency based renyi entropy of heart rate variability for newborn seizure detection 2007 ,		3
19	A Multi-Channel Fusion Based Newborn Seizure Detection. <i>Journal of Biomedical Science and Engineering</i> , 2014 , 07, 533-545	0.7	3
18	Comparison of tibialis anterior and gastrocnemius muscles activation on balance training devices and hoverboard. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2017 , 13, 495-500	2.1	3
17	Development of Spectral Delayed Luminescence System for Whole Saliva Analysis: A Prototype Study. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 67,	1.2	2
16	The Gender Effects of Heart Rate Variability Response during Short-Term Exercise using Stair Stepper from Statistical Analysis. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2016 , 2, 359	1.6	2
15	Heart Rate Variability Characterization Using a Time-Frequency Based Instantaneous Frequency Estimation Technique. <i>IFMBE Proceedings</i> , 2007 , 455-459	0.2	2
14	Fetal heart rate monitoring device using condenser microphone sensor: Validation and comparison to standard devices. <i>Technology and Health Care</i> , 2018 , 26, 573-579	1.1	2
13	A Web based Employee Medical History Management and Monitoring System 2012 ,		1
12	2011 ,		1
11	Analysis of capnography for asthmatic patient 2009 ,		1
10	Investigation of capnogram signal characteristics using statistical methods 2012 ,		1
9	Heart Rate Variability Time-Frequency Analysis for Newborn Seizure Detection 2009 , 95-121		1

8	Virtual Instrument Based Real Time ECG Monitoring Device. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 884, 012011	0.4	1
7	2018,		1
6	Design of Device to Monitor Asthma Severity Using Mainstream Technology while Administering Medication. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 884, 012010	0.4	0
5	Investigation of Multiparameter Trends and Anthropometric Measurements for Cardiorespiratory Fitness Assessment Among UTM Staff. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 884, 012002	0.4	
4	Nutrient intake, growth performance and nutrient digestibility of pre- and post-weaning Dorper lambs fed varying crude protein level. <i>Tropical Animal Health and Production</i> , 2021 , 53, 515	1.7	
3	Stress Response Index for Traumatic Childhood Experience Based on the Fusion of Hypothalamus Pituitary Adrenocortical and Autonomic Nervous System Biomarkers. <i>Advances in Science, Technology and Engineering Systems</i> , 2020 , 5, 317-324	0.3	
2	Effect of Temperature, Pressure and Humidity on Carbon Dioxide Concentration Simulation Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 884, 012007	0.4	
1	Effect of short-term ketogenic diet on end-tidal carbon dioxide. <i>Clinical Nutrition ESPEN</i> , 2021 , 42, 124-133		