

Mb Malarvili

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

630
citations

933264

10
h-index

677027

22
g-index

61
all docs

61
docs citations

61
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Saliva-Based Biosensors: Noninvasive Monitoring Tool for Clinical Diagnostics. BioMed Research International, 2014, 2014, 1-20.	0.9	150
2	Newborn Seizure Detection Based on Heart Rate Variability. IEEE Transactions on Biomedical Engineering, 2009, 56, 2594-2603.	2.5	57
3	Paroxysmal atrial fibrillation prediction method with shorter HRV sequences. Computer Methods and Programs in Biomedicine, 2016, 134, 187-196.	2.6	52
4	Paroxysmal atrial fibrillation prediction based on HRV analysis and non-dominated sorting genetic algorithm III. Computer Methods and Programs in Biomedicine, 2018, 153, 171-184.	2.6	48
5	Heart sound segmentation algorithm based on instantaneous energy of electrocardiogram. , 2003, , .		40
6	Real-time human respiration carbon dioxide measurement device for cardiorespiratory assessment. Journal of Breath Research, 2018, 12, 026003.	1.5	40
7	Time-Frequency Analysis of Heart Rate Variability for Neonatal Seizure Detection. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.0	26
8	Assessment on Stationarity of EMG Signals with Different Windows Size During Isotonic Contractions. Applied Sciences (Switzerland), 2017, 7, 1050.	1.3	23
9	Automatic Quantitative Analysis of Human Respired Carbon Dioxide Waveform for Asthma and Non-Asthma Classification Using Support Vector Machine. IEEE Access, 2018, 6, 55245-55256.	2.6	20
10	Combining newborn EEG and HRV information for automatic seizure detection. , 2008, 2008, 4756-9.		15
11	Fusion of heart rate variability and salivary cortisol for stress response identification based on adverse childhood experience. Medical and Biological Engineering and Computing, 2019, 57, 1229-1245.	1.6	15
12	HRV feature selection based on discriminant and redundancy analysis for neonatal seizure detection. , 2007, , .		11
13	Improved Gender Recognition during Stepping Activity for Rehab Application Using the Combinatorial Fusion Approach of EMG and HRV. Applied Sciences (Switzerland), 2017, 7, 348.	1.3	11
14	Automatic seizure detection based on the combination of newborn multi-channel EEG and HRV information. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	10
15	Feature Extraction of Capnogram for Asthmatic Patient. , 2010, , .		9
16	Combination of EMG Features and Stability Index for Finger Movements Recognition. Procedia Computer Science, 2018, 133, 92-98.	1.2	9
17	A HISTOGRAM-BASED ELECTROENCEPHALOGRAM SPIKE DETECTION. , 0, , .		8
18	Analysis of capnography for asthmatic patient. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
19	Time- frequency based renyi entropy of heart rate variability for newborn seizure detection. , 2007, , .		6
20	Renyi entropy of quadratic time-frequency distributions: effects of signal’s parameters. , 2007, , .		6
21	Assessment of newly developed real-time human respiration carbon dioxide measurement device for management of asthma outside of hospital. Technology and Health Care, 2018, 26, 785-794.	0.5	6
22	Review of Infrared Carbon-Dioxide Sensors and Capnogram Features for Developing Asthma-Monitoring Device. Journal of Clinical and Diagnostic Research JCDR, 0, , .	0.8	6
23	HRV Feature Selection for Neonatal Seizure Detection: A Wrapper Approach. , 2007, , .		5
24	Correlation between different DNA period-3 signals: An analytical study for exons prediction. , 2017, , .		5
25	Analysis of Capnogram Using Linear Predictive Coding (LPC) to Differentiate Asthmatic Conditions. Journal of Tissue Science & Engineering, 2012, 02, .	0.2	5
26	A Multi-Channel Fusion Based Newborn Seizure Detection. Journal of Biomedical Science and Engineering, 2014, 07, 533-545.	0.2	5
27	Heart Rate Variability Characterization Using a Time-Frequency Based Instantaneous Frequency Estimation Technique. IFMBE Proceedings, 2007, , 455-459.	0.2	5
28	Comparison of tibialis anterior and gastrocnemius muscles activation on balance training devices and hoverboard. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 495-500.	0.4	5
29	Designing a respiratory CO ₂ measurement device for home monitoring of asthma severity. , 2014, , .		4
30	The Gender Effects of Heart Rate Variability Response during Short-Term Exercise using Stair Stepper from Statistical Analysis. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 2, 359.	0.7	3
31	Heart Rate Variability Time-Frequency Analysis for Newborn Seizure Detection. , 2009, , 95-121.		3
32	A Web based Employee Medical History Management and Monitoring System. , 2012, , .		2
33	Development of Spectral Delayed Luminescence System for Whole Saliva Analysis: A Prototype Study. Jurnal Teknologi (Sciences and Engineering), 2014, 67, .	0.3	2
34	Fetal activity recognition using 3-axis accelerometer sensor. , 2014, , .		2
35	Fetal heart rate monitoring device using condenser microphone sensor: Validation and comparison to standard devices. Technology and Health Care, 2018, 26, 573-579.	0.5	2
36	Study of relationship between heart rate variability and autonomic function using cold pressor test for Malaysian population. , 2011, , .		1

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37	Investigation of capnogram signal characteristics using statistical methods. , 2012, , .		1
38	Stress Response Index for Adverse Childhood Experience Based on Fusion of Biomarkers. , 2018, , .		1
39	Identification of Asthmatic Patient During Exercise Using Feature Extraction of Carbon Dioxide Waveform. , 2019, , .		1
40	Virtual Instrument Based Real Time ECG Monitoring Device. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012011.	0.3	1
41	Design of Device to Monitor Asthma Severity Using Mainstream Technology while Administering Medication. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012010.	0.3	1
42	Nutrient intake, growth performance and nutrient digestibility of pre- and post-weaning Dorper lambs fed varying crude protein level. Tropical Animal Health and Production, 2021, 53, 515.	0.5	1
43	Spectral analysis of HRV in the assessment of autonomic function on normal subject. , 2012, , .		0
44	A new algorithm to screen potential Implantable Cardiac Defibrillator (ICD) receivers using artificial neural networks. , 2014, , .		0
45	Low cost USB 16-bit photon counter for spectral delayed luminescence system. , 2014, , .		0
46	Time-frequency analysis of wheezing sound to differentiate asthmatic and non-asthmatic condition. , 2016, , .		0
47	Design and fabrication of helical capacitive stents for monitoring arterial blockages. , 2016, , .		0
48	Lower Extremity Muscle Strength Training Device Using Self-Balancing Scooter. , 2018, , .		0
49	Automatic Segmentation and Extraction of Features from Human Respired Carbon Dioxide Waveform. , 2018, , .		0
50	Finger Movement Recognition based on Muscle Synergy using Electromyogram. , 2019, , .		0
51	Effect of Temperature, Pressure and Humidity on Carbon Dioxide Concentrationâ€™Simulation Study. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012007.	0.3	0
52	Investigation of Multiparameter Trends and Anthropometric Measurements for Cardiorespiratory Fitness Assessment Among UTM Staff. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012002.	0.3	0
53	Effect of short-term ketogenic diet on end-tidal carbon dioxide. Clinical Nutrition ESPEN, 2021, 42, 124-131.	0.5	0
54	The Fusion of HRV and EMG Signals for Automatic Gender Recognition during Stepping Exercise. Telkomnika (Telecommunication Computing Electronics and Control), 2017, 15, 756.	0.6	0

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55	The Fusion of HRV and EMG Signals for Automatic Gender Recognition during Stepping Exercise. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2017, 15, 756.	0.6	0
56	The Effect of Adverse Childhood Experience on Heart Rate Variability and Salivary Cortisol. , 2018, , .		0
57	Fusion of anthropometric measurement and multi parameter trends for cardiorespiratory fitness assessment. , 2019, , .		0
58	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.	0.4	0
59	Investigation on Properties of Capnogram: On Stationarity and Spectral Components of the Signal. , 2021, , .		0