

Atefeh Goshvarpour

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

807
citations

567281

15
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580821

25
g-index

55
all docs

55
docs citations

55
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	An accurate emotion recognition system using ECG and GSR signals and matching pursuit method. Biomedical Journal, 2017, 40, 355-368.	3.1	117
2	EEG spectral powers and source localization in depressing, sad, and fun music videos focusing on gender differences. Cognitive Neurodynamics, 2019, 13, 161-173.	4.0	49
3	Analysis of lagged Poincaré plots in heart rate signals during meditation. , 2011, 21, 208-214.		45
4	Fusion of heart rate variability and pulse rate variability for emotion recognition using lagged Poincaré plots. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 617-629.	1.3	38
5	Poincaré's section analysis for PPG-based automatic emotion recognition. Chaos, Solitons and Fractals, 2018, 114, 400-407.	5.1	34
6	A Novel Approach for EEG Electrode Selection in Automated Emotion Recognition Based on Lagged Poincaré's Indices and sLORETA. Cognitive Computation, 2020, 12, 602-618.	5.2	32
7	Indices from lagged Poincaré plots of heart rate variability: an efficient nonlinear tool for emotion discrimination. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 277-287.	1.3	30
8	The potential of photoplethysmogram and galvanic skin response in emotion recognition using nonlinear features. Physical and Engineering Sciences in Medicine, 2020, 43, 119-134.	2.4	30
9	Human identification using a new matching Pursuit-based feature set of ECG. Computer Methods and Programs in Biomedicine, 2019, 172, 87-94.	4.7	27
10	Schizophrenia diagnosis using innovative EEG feature-level fusion schemes. Physical and Engineering Sciences in Medicine, 2020, 43, 227-238.	2.4	25
11	A Novel Feature Level Fusion for Heart Rate Variability Classification Using Correntropy and Cauchy-Schwarz Divergence. Journal of Medical Systems, 2018, 42, 109.	3.6	24
12	Discrimination between different emotional states based on the chaotic behavior of galvanic skin responses. Signal, Image and Video Processing, 2017, 11, 1347-1355.	2.7	21
13	Do men and women have different ECG responses to sad pictures?. Biomedical Signal Processing and Control, 2017, 38, 67-73.	5.7	21
14	Chaotic Behavior of Heart Rate Signals during Chi and Kundalini Meditation. International Journal of Image Graphics and Signal Processing, 2012, 4, 23-29.	1.2	21
15	Evaluation of Novel Entropy-Based Complex Wavelet Sub-bands Measures of PPG in an Emotion Recognition System. Journal of Medical and Biological Engineering, 2020, 40, 451-461.	1.8	17
16	Comparison of higher order spectra in heart rate signals during two techniques of meditation: Chi and Kundalini meditation. Cognitive Neurodynamics, 2013, 7, 39-46.	4.0	16
17	Fusion of ECG and ABP signals based on wavelet transform for cardiac arrhythmias classification. Computer Methods and Programs in Biomedicine, 2017, 151, 71-78.	4.7	16
18	Poincaré indices for analyzing meditative heart rate signals. Biomedical Journal, 2015, 38, 229.	3.1	16

#	ARTICLE	IF	CITATIONS
19	Human identification using information theory-based indices of ECG characteristic points. Expert Systems With Applications, 2019, 127, 25-34.	7.6	15
20	Do meditators and non-meditators have different HRV dynamics?. Cognitive Systems Research, 2019, 54, 21-36.	2.7	15
21	Recurrence Plots of Heart Rate Signals during Meditation. International Journal of Image Graphics and Signal Processing, 2012, 4, 44-50.	1.2	15
22	Bispectrum estimation of electroencephalogram signals during meditation. Iranian Journal of Psychiatry and Behavioral Sciences, 2012, 6, 48-54.	0.4	14
23	Diagnosis of epileptic EEG using a lagged Poincare plot in combination with the autocorrelation. Signal, Image and Video Processing, 2020, 14, 1309-1317.	2.7	13
24	DYNAMICAL ANALYSIS OF EMOTIONAL STATES FROM ELECTROENCEPHALOGRAM SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650015.	0.6	12
25	A NOVEL SIGNAL-BASED FUSION APPROACH FOR ACCURATE MUSIC EMOTION RECOGNITION. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650040.	0.6	11
26	Gender and age classification using a new Poincare section-based feature set of ECG. Signal, Image and Video Processing, 2019, 13, 531-539.	2.7	11
27	Combination of sLORETA and Nonlinear Coupling for Emotional EEG Source Localization. Nonlinear Dynamics, Psychology, and Life Sciences, 2016, 20, 353-68.	0.2	11
28	Asymmetry of lagged Poincare plot in heart rate signals during meditation. Journal of Traditional and Complementary Medicine, 2021, 11, 16-21.	2.7	10
29	CLASSIFICATION OF CARDIAC ARRHYTHMIAS USING ARTERIAL BLOOD PRESSURE BASED ON DISCRETE WAVELET TRANSFORM. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750034.	0.6	9
30	Spectral and Time Based Assessment of Meditative Heart Rate Signals. International Journal of Image Graphics and Signal Processing, 2013, 5, 1-10.	1.2	7
31	Innovative Poincaré™s plot asymmetry descriptors for EEG emotion recognition. Cognitive Neurodynamics, 2022, 16, 545-559.	4.0	7
32	Affective Visual Stimuli: Characterization of the Picture Sequences Impacts by Means of Nonlinear Approaches. Basic and Clinical Neuroscience, 2015, 6, 209-22.	0.6	7
33	A novel 2-piece rose spiral curve model: Application in epileptic EEG classification. Computers in Biology and Medicine, 2022, 142, 105240.	7.0	7
34	Novel high-dimensional phase space features for EEG emotion recognition. Signal, Image and Video Processing, 2023, 17, 417-425.	2.7	7
35	GENDER DIFFERENCES IN RESPONSE TO AFFECTIVE AUDIO AND VISUAL INDUCTIONS: EXAMINATION OF NONLINEAR DYNAMICS OF AUTONOMIC SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650024.	0.6	6
36	Matching pursuit based indices for examining physiological differences of meditators and non-meditators: An HRV study. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 147-156.	2.6	6

#	ARTICLE	IF	CITATIONS
37	Classification of Heart Rate Signals during Meditation using Lyapunov Exponents and Entropy. International Journal of Intelligent Systems and Applications, 2012, 4, 35-41.	1.1	6
38	Investigating the effect of traditional Persian music on ECG signals in young women using wavelet transform and neural networks. Anatolian Journal of Cardiology, 2017, 17, 398-403.	0.9	6
39	Evaluating Autonomic Parameters: The Role of Sleep Duration in Emotional Responses to Music. Iranian Journal of Psychiatry, 2016, 11, 59-63.	0.7	5
40	Intelligent classification of ECG signals to distinguish between pre and on-music states. , 2015, , .		4
41	Multi-aspects of emotional electrocardiogram classification in combination with musical stimuli and composite features. International Journal of Applied Pattern Recognition, 2017, 4, 64.	0.4	4
42	Automatic EEG classification during rapid serial visual presentation task by a novel method based on dual-tree complex wavelet transform and Poincare plot indices. Biomedical Physics and Engineering Express, 2018, 4, 065022.	1.2	4
43	EVALUATION OF SIGNAL PROCESSING TECHNIQUES IN DISCRIMINATING ECG SIGNALS OF MEN AND WOMEN DURING REST CONDITION AND EMOTIONAL STATES. Biomedical Engineering - Applications, Basis and Communications, 2018, 30, 1850028.	0.6	4
44	The effect of traditional Persian music on the cardiac functioning of young Iranian women. Indian Heart Journal, 2017, 69, 491-498.	0.5	3
45	Eye-blinking analysis as a marker of emotional states. Multimedia Tools and Applications, 2021, 80, 33727-33746.	3.9	2
46	Modeling Epileptic EEG Time Series by State Space Model and Kalman Filtering Algorithm. International Journal of Intelligent Systems and Applications, 2014, 6, 26-34.	1.1	2
47	Verhulst map measures: new biomarkers for heart rate classification. Physical and Engineering Sciences in Medicine, 2022, , 1.	2.4	2
48	AFFECTIVE AUTONOMIC DIFFERENCES BETWEEN MONOLINGUALS AND BILINGUALS: ELICITED BY PICTORIAL STIMULI. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750008.	0.6	1
49	SLEEP LOSS EFFECTS ON AFFECTIVE RESPONSES OF WOMEN AND MEN USING ECG CHARACTERISTICS. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750032.	0.6	1
50	Integration of Wavelet and Recurrence Quantification Analysis in Emotion Recognition of Bilinguals. International Clinical Neuroscience Journal, 2020, 7, 35-45.	0.1	1
51	Multi-aspects of emotional electrocardiogram classification in combination with musical stimuli and composite features. International Journal of Applied Pattern Recognition, 2017, 4, 64.	0.4	0
52	The Effect of Sleep on Response to Happy and Sad Images. The Neuroscience Journal of Shefaye Khatam, 2017, 5, 14-28.	0.4	0
53	Impact of affective picture and music stimuli on autonomic responses: characterisation of pauses between emotion blocks. International Journal of Medical Engineering and Informatics, 2018, 10, 188.	0.3	0
54	Human Emotion Recognition using Polar-Based Lagged Poincare Plot Indices of Eye-Blinking Data. International Journal of Computational Intelligence and Applications, 0, , .	0.8	0

#	ARTICLE	IF	CITATIONS
55	The Potential of Machine Learning Algorithms in Discriminating Chronic Obstructive Pulmonary Disease and Healthy Saliva Samples. Disease and Diagnosis, 2021, 10, 155-163.	0.2	0