Atefeh Goshvarpour

List of Publications by Year
in descending order

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55	807	567281	580821
papers	citations	15 h-index	25 g-index

55	55	55	593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel high-dimensional phase space features for EEG emotion recognition. Signal, Image and Video Processing, 2023, 17, 417-425.	2.7	7
2	Innovative Poincareâ€™s plot asymmetry descriptors for EEG emotion recognition. Cognitive Neurodynamics, 2022, 16, 545-559.	4.0	7
3	A novel 2-piece rose spiral curve model: Application in epileptic EEG classification. Computers in Biology and Medicine, 2022, 142, 105240.	7.0	7
4	Verhulst map measures: new biomarkers for heart rate classification. Physical and Engineering Sciences in Medicine, 2022, , 1.	2.4	2
5	Asymmetry of lagged Poincare plot in heart rate signals during meditation. Journal of Traditional and Complementary Medicine, 2021, 11, 16-21.	2.7	10
6	Eye-blinking analysis as a marker of emotional states. Multimedia Tools and Applications, 2021, 80, 33727-33746.	3.9	2
7	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
8	Schizophrenia diagnosis using innovative EEG feature-level fusion schemes. Physical and Engineering Sciences in Medicine, 2020, 43, 227-238.	2.4	25
9	A Novel Approach for EEG Electrode Selection in Automated Emotion Recognition Based on Lagged Poincareâ€™s Indices and sLORETA. Cognitive Computation, 2020, 12, 602-618.	5.2	32
10	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
11	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
12	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
13	Integration of Wavelet and Recurrence Quantification Analysis in Emotion Recognition of Bilinguals. International Clinical Neuroscience Journal, 2020, 7, 35-45.	0.1	1
14	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
15	Human identification using information theory-based indices of ECG characteristic points. Expert Systems With Applications, 2019, 127, 25-34.	7.6	15
16	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
17	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
18	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

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19	Do meditators and non-meditators have different HRV dynamics?. Cognitive Systems Research, 2019, 54, 21-36.	2.7	15
20	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
21	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
22	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
23	PoincarÃ©'s section analysis for PPG-based automatic emotion recognition. Chaos, Solitons and Fractals, 2018, 114, 400-407.	5.1	34
24	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
25	Indices from lagged poincare 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
26	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
27	Do men and women have different ECG responses to sad pictures?. Biomedical Signal Processing and Control, 2017, 38, 67-73.	5.7	21
28	AFFECTIVE AUTONOMIC DIFFERENCES BETWEEN MONOLINGUALS AND BILINGUALS: ELICITED BY PICTORIAL STIMULI. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750008.	0.6	1
29	The effect of traditional Persian music on the cardiac functioning of young Iranian women. Indian Heart Journal, 2017, 69, 491-498.	0.5	3
30	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
31	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
32	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
33	Fusion of heart rate variability and pulse rate variability for emotion recognition using lagged poincare plots. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 617-629.	1.3	38
34	An accurate emotion recognition system using ECG and GSR signals and matching pursuit method. Biomedical Journal, 2017, 40, 355-368.	3.1	117
35	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
36	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

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37	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
38	The Effect of Sleep on Response to Happy and Sad Images. The Neuroscience Journal of Shefaye Khatam, 2017, 5, 14-28.	0.4	0
39	A NOVEL SIGNAL-BASED FUSION APPROACH FOR ACCURATE MUSIC EMOTION RECOGNITION. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650040.	0.6	11
40	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
41	DYNAMICAL ANALYSIS OF EMOTIONAL STATES FROM ELECTROENCEPHALOGRAM SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650015.	0.6	12
42	Evaluating Autonomic Parameters: The Role of Sleep â€ŽDuration in Emotional Responses to Music â€Ž. Iranian Journal of Psychiatry, 2016, 11, 59-63.	0.7	5
43	Combination of sLORETA and Nonlinear Coupling for Emotional EEG Source Localization. Nonlinear Dynamics, Psychology, and Life Sciences, 2016, 20, 353-68.	0.2	11
44	Intelligent classification of ECG signals to distinguish between pre and on-music states. , 2015, , .		4
45	Poincare indices for analyzing meditative heart rate signals. Biomedical Journal, 2015, 38, 229.	3.1	16
46	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
47	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
48	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
49	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
50	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
51	Recurrence Plots of Heart Rate Signals during Meditation. International Journal of Image Graphics and Signal Processing, 2012, 4, 44-50.	1.2	15
52	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
53	Bispectrum estimation of electroencephalogram signals during meditation. Iranian Journal of Psychiatry and Behavioral Sciences, 2012, 6, 48-54.	0.4	14
54	Analysis of lagged PoincarÃ© plots in heart rate signals during meditation. , 2011, 21, 208-214.		45

#	Article	IF	Citations
55	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