Choubeila Maaoui

List of Publications by Year
in descending order

28	615	1162889 8	1125617 13
papers	citations	h-index	g-index

28	28	28	529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Continuous wavelet filtering on webcam photoplethysmographic signals to remotely assess the instantaneous heart rate. Biomedical Signal Processing and Control, 2013, 8, 568-574.	3.5	144
2	3D Convolutional Neural Networks for Remote Pulse Rate Measurement and Mapping from Facial Video. Applied Sciences (Switzerland), 2019, 9, 4364.	1.3	76
3	Emotion Recognition through Physiological Signals for Human-Machine Communication. , 0, , .		53
4	Remote estimation of pulse wave features related to arterial stiffness and blood pressure using a camera. Biomedical Signal Processing and Control, 2021, 64, 102242.	3.5	40
5	Remote assessment of the Heart Rate Variability to detect mental stress. , 2013, , .		39
6	Remote detection of mental workload changes using cardiac parameters assessed with a low-cost webcam. Computers in Biology and Medicine, 2014, 53, 154-163.	3.9	35
7	Emotion Recognition for hHman-Machine Communication. , 2008, , .		25
8	Automatic Selection of Webcam Photoplethysmographic Pixels Based on Lightness Criteria. Journal of Medical and Biological Engineering, 2017, 37, 374-385.	1.0	23
9	Peripheral vasomotor activity assessment using a continuous wavelet analysis on webcam photoplethysmographic signals. Bio-Medical Materials and Engineering, 2016, 27, 527-538.	0.4	21
10	AUTOMATIC HUMAN STRESS DETECTION BASED ON WEBCAM PHOTOPLETHYSMOGRAPHIC SIGNALS. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650039.	0.3	21
11	Analysis physiological signals for emotion recognition. , 2011, , .		16
12	Objective model assessment for short-term anxiety recognition from blood volume pulse signal. Biomedical Signal Processing and Control, 2014, 14, 217-227.	3.5	16
13	Emotion recognition from physiological signals using fusion of wavelet based features. , 2015, , .		16
14	Short-term anxiety recognition from blood volume pulse signal. , 2014, , .		11
15	Negative emotion detection using EMG signal. , 2014, , .		9
16	Multiresolution framework for emotion sensing in physiological signals. , 2016, , .		9
17	Imaging Photoplethysmography: Signal Waveform Analysis. , 2019, , .		9
18	iPPGâ€‰2â€‰cPPG: Reconstructing contact from imaging photoplethysmographic signals using U-Net architectures. Computers in Biology and Medicine, 2021, 138, 104860.	3.9	9

#	Article	IF	Citations
19	Computational framework for emotional VAD prediction using regularized Extreme Learning Machine. International Journal of Multimedia Information Retrieval, 2017, 6, 251-261.	3.6	7
20	Unsupervised stress detection from remote physiological signal. , 2018, , .		7
21	Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states. , 2014, , .		6
22	Short-Term Anxiety Recognition Induced by Virtual Reality Exposure for Phobic People. , 2013, , .		5
23	Estimation of blood pressure waveform from facial video using a deep U-shaped network and the wavelet representation of imaging photoplethysmographic signals. Biomedical Signal Processing and Control, 2022, 78, 103895.	3.5	5
24	Virtual reality for accessibility assessment of a built environment for a wheelchair user. Technology and Disability, 2012, 24, 129-137.	0.3	4
25	Discrete wavelet transform analysis and empirical mode decomposition of physiological signals for stress recognition. International Journal of Biomedical Engineering and Technology, 2018, 27, 247.	0.2	4
26	LCOMS Labâ€™s approach to the Vision For Vitals (V4V) Challenge. , 2021, , .		4
27	Wavelet transform based facial feature points detection. , 2017, , .		1
28	Emotions: Induction, measurement, and use in virtual environments. Journal Europeen Des Systemes Automatises, 2009, 43, 351-368.	0.3	0