Alain Pruski

List of Publications by Year
in descending order

		1039880	1058333
29 papers	572 citations	9 h-index	14 g-index
30 all docs	30 docs citations	30 times ranked	495 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	AUTOMATIC HUMAN STRESS DETECTION BASED ON WEBCAM PHOTOPLETHYSMOGRAPHIC SIGNALS. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650039.	0.3	21
10	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
11	Emotion recognition from physiological signals using fusion of wavelet based features. , 2015, , .		16
12	Assisted Navigation for Persons with Reduced Mobility: Path Recognition Through Particle Filtering (Condensation Algorithm). Journal of Intelligent and Robotic Systems: Theory and Applications, 2010, 60, 19-57.	2.0	12
13	A unified approach to accessibility for a person in a wheelchair. Robotics and Autonomous Systems, 2010, 58, 1177-1184.	3.0	11
14	Short-term anxiety recognition from blood volume pulse signal. , 2014, , .		11
15	Multiresolution framework for emotion sensing in physiological signals. , 2016, , .		9
16	iPPGâ€‰2â€‰cPPG: Reconstructing contact from imaging photoplethysmographic signals using U-Net architectures. Computers in Biology and Medicine, 2021, 138, 104860.	3.9	9
17	Unsupervised stress detection from remote physiological signal. , 2018, , .		7
18	Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states. , 2014, , .		6

#	Article	IF	Citations
19	Short-Term Anxiety Recognition Induced by Virtual Reality Exposure for Phobic People. , 2013, , .		5
20	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
21	Virtual reality for accessibility assessment of a built environment for a wheelchair user. Technology and Disability, 2012, 24, 129-137.	0.3	4
22	Cooperative construction and maintenance of maps for autonomous navigation. Robotics and Autonomous Systems, 1997, 21, 341-353.	3.0	2
23	Approche centrée utilisateur pour la conception d'un fauteuil roulant intelligent. Sciences Et Technologies Pour Le Handicap, 2007, 1, 9-32.	0.1	2
24	Swinging doors accessibility assessment for a wheelchair user. Technology and Disability, 2016, 28, 53-66.	0.3	1
25	Feasible trajectory for person on wheelchair to assess the accessibility to the mobility and to the reachability. , 2013, , .		0
26	Le fauteuil intelligent VAHM-3 : architecture, commande et premiers résultats. Journal Europeen Des Systemes Automatises, 2003, 37, 911-927.	0.3	0
27	Emotions: Induction, measurement, and use in virtual environments. Journal Europeen Des Systemes Automatises, 2009, 43, 351-368.	0.3	0
28	Reconnaissance d'expressions faciales en temps réel à partir d'une séquence vidéo. Sciences Et Technologies Pour Le Handicap, 2009, 3, 63-93.	0.1	0
29	Evaluation de l'accessibilité à la préhension pour une personne à mobilité réduite. Journal Europeen Des Systemes Automatises, 2010, 44, 345-366.	0.3	0