Alain Pruski

List of Publications by Year
in descending order

		1039880	1058333
29	572	9	14
papers	citations	h-index	g-index
30	30	30	495
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	iPPGâ€‰2â€‰cPPG: Reconstructing contact from imaging photoplethysmographic signals using U-Net architectures. Computers in Biology and Medicine, 2021, 138, 104860.	3.9	9
4	3D Convolutional Neural Networks for Remote Pulse Rate Measurement and Mapping from Facial Video. Applied Sciences (Switzerland), 2019, 9, 4364.	1.3	76
5	Unsupervised stress detection from remote physiological signal. , 2018, , .		7
6	Automatic Selection of Webcam Photoplethysmographic Pixels Based on Lightness Criteria. Journal of Medical and Biological Engineering, 2017, 37, 374-385.	1.0	23
7	Swinging doors accessibility assessment for a wheelchair user. Technology and Disability, 2016, 28, 53-66.	0.3	1
8	Multiresolution framework for emotion sensing in physiological signals. , 2016, , .		9
9	AUTOMATIC HUMAN STRESS DETECTION BASED ON WEBCAM PHOTOPLETHYSMOGRAPHIC SIGNALS. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650039.	0.3	21
10	Emotion recognition from physiological signals using fusion of wavelet based features. , 2015, , .		16
11	Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states. , 2014, , .		6
12	Short-term anxiety recognition from blood volume pulse signal. , 2014, , .		11
13	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
14	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
15	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
16	Remote assessment of the Heart Rate Variability to detect mental stress. , 2013, , .		39
17	Short-Term Anxiety Recognition Induced by Virtual Reality Exposure for Phobic People. , 2013, , .		5
18	Feasible trajectory for person on wheelchair to assess the accessibility to the mobility and to the reachability. , 2013, , .		0

#	Article	IF	Citations
19	Virtual reality for accessibility assessment of a built environment for a wheelchair user. Technology and Disability, 2012, 24, 129-137.	0.3	4
20	A unified approach to accessibility for a person in a wheelchair. Robotics and Autonomous Systems, 2010, 58, 1177-1184.	3.0	11
21	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
22	Evaluation de l'accessibilitÃ© Ã la prÃ©hension pour une personne Ã mobilitÃ© rÃ©duite. Journal Europeen Des Systemes Automatises, 2010, 44, 345-366.	0.3	0
23	Emotions: Induction, measurement, and use in virtual environments. Journal Europeen Des Systemes Automatises, 2009, 43, 351-368.	0.3	0
24	Reconnaissance d'expressions faciales en temps rÃ©el Ã partir d'une sÃ©quence vidÃ©o. Sciences Et Technologies Pour Le Handicap, 2009, 3, 63-93.	0.1	0
25	Emotion Recognition for hHman-Machine Communication. , 2008, , .		25
26	Approche centrÃ©e utilisateur pour la conception d'un fauteuil roulant intelligent. Sciences Et Technologies Pour Le Handicap, 2007, 1, 9-32.	0.1	2
27	Le fauteuil intelligent VAHM-3 : architecture, commande et premiers rÃ©sultats. Journal Europeen Des Systemes Automatises, 2003, 37, 911-927.	0.3	0
28	Cooperative construction and maintenance of maps for autonomous navigation. Robotics and Autonomous Systems, 1997, 21, 341-353.	3.0	2
29	Emotion Recognition through Physiological Signals for Human-Machine Communication. , 0, , .		53