Pierre Barralon

List of Publications by Year
in descending order

17 papers	465 citations	1478280 6 h-index	1372474 10 g-index
18 all docs	18 docs citations	18 times ranked	582 citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Approaches to Mobility Telemonitoring of the Elderly in Their Living Environment. Annals of Biomedical Engineering, 2006, 34, 547-563.	1.3	204
2	Walk Detection With a Kinematic Sensor: Frequency and Wavelet Comparison. , 2006, 2006, 1711-4.		55
3	New trends in health smart homes. , 0, , .		49
4	Robot-supported assessment of balance in standing and walking. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 80.	2.4	34
5	Optimizing the Tactile Display of Physiological Information: Vibro-Tactile vs. Electro-Tactile Stimulation, and Forearm or Wrist Location. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4202-5.	0.5	25
6	Classification of Daily Physical Activities from a Single Kinematic Sensor. , 2005, 2005, 2447-50.		21
7	A Vibro-Tactile Display for Clinical Monitoring. Anesthesia and Analgesia, 2012, 115, 588-594.	1.1	17
8	Development and evaluation of multidimensional tactons for a wearable tactile display. , 2007, , .		15
9	Fusion of Multiple Sensors Sources in a Smart Home to Detect Scenarios of Activities in Ambient Assisted Living. International Journal of E-Health and Medical Communications, 2012, 3, 29-44.	1.4	12
10	Comparison between a dorsal and a belt tactile display prototype for decoding physiological events in the operating room. Journal of Clinical Monitoring and Computing, 2009, 23, 137-147.	0.7	9
11	Preliminary Results on the Study of Smart Wearable Antennas. , 2005, 2005, 3814-7.		7
12	Design of Rhythm-Based Vibrotactile Stimuli Around the Waist: Evaluation of Two Encoding Parameters. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 1062-1073.	3.4	5
13	Automatic fall detection: Complementary devices for a better fall monitoring coverage. , 2013, , .		5
14	Ã‰valuation deÂl'activitÃ© deÂlaÂpersonne enÂmaintien ÃÂdomicileâ€"Classification desÂtransferts posturaux ÃÂl'aide d'accÃ©lÃ©romÃ¨tres. IRBM News, 2006, 27, 182-193.	0.1	2
15	Real Time Computation of Centroidal Momentum for the Use as a Stability Index Applicable to Human Walking with Exoskeleton. Biosystems and Biorobotics, 2017, , 157-161.	0.2	1
16	Equimetrix Device: Criteria Based Validation and Reliability Analysis of the Center of Mass and Base of Support of a Human Postural Assessment System. Sensors, 2021, 21, 374.	2.1	1
17	Augmented Hearing Assistance for Elderly People - From Requirements to Implementation. , 2015, , .		1