Christian Weigand

List of Publications by Year
in descending order

19 papers	**91** citations	2258059 **3** h-index	1872680 **6** g-index
20 all docs	**20** docs citations	**20** times ranked	**133** citing authors

#	ARTICLE	IF	CITATIONS
1	Sampling rate impact on energy consumption of biomedical signal processing systems. , 2015, , .		19
2	Scalable ECG hardware and algorithms for extended runtime of wearable sensors. , 2015, , .		14
3	Evaluation of techniques for estimating the power spectral density of RR-intervals under paced respiration conditions. Journal of Clinical Monitoring and Computing, 2014, 28, 481-486.	1.6	12
4	Self-Powered Multiparameter Health Sensor. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 15-22.	6.3	11
5	HemaCAM â€" A Computer Assisted Microscopy System for Hematology. , 2011, , 233-242.		6
6	Evaluation of QRS detection algorithm implemented for mobile applications based on ECG data acquired from sensorized garments. Biomedizinische Technik, 2012, 57, .	0.8	5
7	Human authentication implemented for mobile applications based on ECG-data acquired from sensorized garments. , 2015, , .		5
8	VITAL: use and implementation of a medical communication standard in practice. , 2005, , .		4
9	Method and system for standardized and platform independent medical data information persistence in telemedicine. , 2008, , .		4
10	Filter and processing method to improve R-peak detection for ECG data with motion artefacts from wearable systems. , 2015, , .		3
11	Method for daily-life movement classification of elderly people. Biomedizinische Technik, 2012, 57, .	0.8	2
12	Battery runtime optimization toolbox for wearable biomedical sensors. , 2016, , .		2
13	Risk management for medical devices in research projects. Current Directions in Biomedical Engineering, 2015, 1, 543-546.	0.4	1
14	Development of a Socio-technical System for an Age-Appropriate Domestic Environment. Communications in Computer and Information Science, 2012, , 196-200.	0.5	1
15	Requirement engineering in health care and telemedicine. Biomedizinische Technik, 2012, 57, .	0.8	0
16	Track P. Prevention and Rehabilitation Engineering. Biomedizinische Technik, 2015, 60, s345-60.	0.8	0
17	Track J. Image Processing. Biomedizinische Technik, 2015, 60, s182-92.	0.8	0
18	Motion Sensing: From Single Sensors to Sensor Networks. , 2011, , 187-197.		0

#	ARTICLE	IF	CITATIONS
19	Comparison of a Sensorized Garment and Activity Trackers with a Mobile Ergospirometry System Concerning Energy Expenditure. , 2016, , .		0