Christian Weigand

List of Publications by Year
in descending order

19	91	2258059 3	1872680 6
papers	citations	h-index	g-index

20	20	20	133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Powered Multiparameter Health Sensor. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 15-22.	6.3	11
2	Battery runtime optimization toolbox for wearable biomedical sensors. , 2016, , .		2
3	Comparison of a Sensorized Garment and Activity Trackers with a Mobile Ergospirometry System Concerning Energy Expenditure. , 2016, , .		0
4	Track P. Prevention and Rehabilitation Engineering. Biomedizinische Technik, 2015, 60, s345-60.	0.8	0
5	Human authentication implemented for mobile applications based on ECG-data acquired from sensorized garments. , 2015, , .		5
6	Risk management for medical devices in research projects. Current Directions in Biomedical Engineering, 2015, 1, 543-546.	0.4	1
7	Track J. Image Processing. Biomedizinische Technik, 2015, 60, s182-92.	0.8	0
8	Filter and processing method to improve R-peak detection for ECG data with motion artefacts from wearable systems. , 2015, , .		3
9	Sampling rate impact on energy consumption of biomedical signal processing systems. , 2015, , .		19
10	Scalable ECG hardware and algorithms for extended runtime of wearable sensors. , 2015, , .		14
11	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
12	Requirement engineering in health care and telemedicine. Biomedizinische Technik, 2012, 57, .	0.8	0
13	Method for daily-life movement classification of elderly people. Biomedizinische Technik, 2012, 57, .	0.8	2
14	Evaluation of QRS detection algorithm implemented for mobile applications based on ECG data acquired from sensorized garments. Biomedizinische Technik, 2012, 57, .	0.8	5
15	Development of a Socio-technical System for an Age-Appropriate Domestic Environment. Communications in Computer and Information Science, 2012, , 196-200.	0.5	1
16	HemaCAM â€“ A Computer Assisted Microscopy System for Hematology. , 2011, , 233-242.		6
17	Motion Sensing: From Single Sensors to Sensor Networks. , 2011, , 187-197.		0
18	Method and system for standardized and platform independent medical data information persistence in telemedicine. , 2008, , .		4

#	Article	IF	Citations
19	VITAL: use and implementation of a medical communication standard in practice. , 2005, , .		4