

# Sebastijan Sprager

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

503  
citations

1162367

8  
h-index

1588620

8  
g-index

18  
all docs

18  
docs citations

18  
times ranked

688  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial Sensor-Based Gait Recognition: A Review. <i>Sensors</i> , 2015, 15, 22089-22127.	2.1	261
2	Heartbeat and Respiration Detection From Optical Interferometric Signals by Using a Multimethod Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2922-2929.	2.5	46
3	An Efficient HOS-Based Gait Authentication of Accelerometer Data. <i>IEEE Transactions on Information Forensics and Security</i> , 2015, 10, 1486-1498.	4.5	43
4	Detection of heartbeat and respiration from optical interferometric signal by using wavelet transform. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 41-51.	2.6	36
5	Hidden Markov Model-Based Smart Annotation for Benchmark Cyclic Activity Recognition Database Using Wearables. <i>Sensors</i> , 2019, 19, 1820.	2.1	18
6	Monitoring of basic human vital functions using optical interferometer. , 2010, , .		17
7	Impact of different walking surfaces on gait identification based on higher-order statistics of accelerometer data. , 2011, , .		14
8	Feasibility of biometric authentication using wearable ECG body sensor based on higher-order statistics. , 2017, , .		12
9	Optimization of Heartbeat Detection in Fiber-Optic Unobtrusive Measurements by Using Maximum A Posteriori Probability Estimation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1161-1168.	3.9	11
10	Robust Stride Segmentation of Inertial Signals Based on Local Cyclicity Estimation. <i>Sensors</i> , 2018, 18, 1091.	2.1	10
11	Cardiac arrhythmia alarm from optical interferometric signals during resting or sleeping for early intervention. <i>Biocybernetics and Biomedical Engineering</i> , 2016, 36, 267-275.	3.3	8
12	Optimization of heartbeat detection based on clustering and multimethod approach. , 2012, 2012, 5-8.		6
13	Smart Annotation Tool for Multi-sensor Gait-based Daily Activity Data. , 2018, , .		6
14	Estimation of Heart Rate, Respiratory Rate and Motion by using Optical Interferometer as Body Sensor. , 2011, , .		6
15	Detection of the first heart sound using fibre-optic interferometric measurements and neural networks. , 2012, , .		5
16	Overnight heartbeat monitoring by using unobtrusive optical interferometric measurements. , 2012, , .		3
17	Unobtrusive monitoring of biomedical signals in home environment. , 2011, , .		1
18	Monitoring respiration by using fiber-optic interferometry and maximum a posteriori estimation. , 2013, , .		0