Stefan Gradl

List of Publications by Citations

27 papers	230 citations	8 h-index	14 g-index
28 ext. papers	331 ext. citations	1.7 avg, IF	3.09 L-index

#	Paper	IF	Citations
27	Real-time ECG monitoring and arrhythmia detection using Android-based mobile devices. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 2452-5	0.9	80
26	Visualization of heart activity in virtual reality: A biofeedback application using wearable sensors **2018**,		18
25	Virtual and augmented reality in sports **2016**,		18
24	Comparison of Different Algorithms for Calculating Velocity and Stride Length in Running Using Inertial Measurement Units. *Sensors*, **2018**, 18,	3.8	18
23	Detection of fetal kicks using body-worn accelerometers during pregnancy: Trade-offs between sensors number and positioning. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*,	0.9	12
22	Comparison of real-time classification systems for arrhythmia detection on Android-based mobile devices. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 2690-3	0.9	10
21	Wearable Current-Based ECG Monitoring System with Non-Insulated Electrodes for Underwater Application. *Applied Sciences (Switzerland)*, **2017**, 7, 1277	2.6	9
20	Assessment of Perceptual-Cognitive Abilities among Athletes in Virtual Environments **2018**,		8
19	An Overview of the Feasibility of Permanent, Real-Time, Unobtrusive Stress Measurement with Current Wearables **2019**,		7
18	Textile Integrated Wearable Technologies for Sports and Medical Applications. *Human-computer Interaction Series*, **2017**, 359-382	0.6	7
17	Somnography using unobtrusive motion sensors and Android-based mobile phones. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 1182-5	0.9	6
16	Instantaneous P- and T-wave detection: Assessment of three ECG fiducial points detection algorithms **2016**,		5
15	Sick Moves! Motion Parameters as Indicators of Simulator Sickness. *IEEE Transactions on Visualization and Computer Graphics*, **2019**, 25, 3146-3157	4	5
14	Evaluation of Interaction Techniques for a Virtual Reality Reading Room in Diagnostic Radiology **2018**,		5
13	Temporal correction of detected R-peaks in ECG signals: A crucial step to improve QRS detection algorithms. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 522-5	0.9	4
12	The Impact of Avatar Appearance, Perspective and Context on Gait Variability and User Experience in Virtual Reality **2021**,		4
11	Assessing Visual Exploratory Activity of Athletes in Virtual Reality Using Head Motion Characteristics. *Sensors*, **2021**, 21,	3.8	3

List of Publications

10	**2015**,		2
9	Filter and processing method to improve R-peak detection for ECG data with motion artefacts from wearable systems **2015**,		2
8	The Stroop Room: A Virtual Reality-Enhanced Stroop Test **2019**,		2
7	MigraineMonitor—Towards a System for the Prediction of Migraine Attacks using Electrostimulation. *Current Directions in Biomedical Engineering*, **2018**, 4, 629-632	0.5	2
6	Classification of Acute Stress-Induced Response Patterns **2019**,		1
5	Same Same but Different: Exploring the Effects of the Stroop Color Word Test in Virtual Reality. *Lecture Notes in Computer Science*, **2019**, 699-708	0.9	1
4	Movement Speed Estimation Based on Foot Acceleration Patterns. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2018**, 2018, 3505-3508	0.9	1
3	Heart Rate Measurement Accuracy of Fitbit Charge 4 and Samsung Galaxy Watch Active2: Device Evaluation Study.. *JMIR Formative Research*, **2022**, 6, e33635	2.5	0
2	Smartphone-Based Colorimetric Analysis of Urine Test Strips for At-Home Prenatal Care. *IEEE Journal of Translational Engineering in Health and Medicine*, **2022**, 1-1	3	0
1	Biomedical Monitoring in Underwater Environments **2022**, 107-118		