

Lukáš Smital

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7911713/publications.pdf>

Version: 2024-02-01

16
papers

385
citations

1307594

7
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Wavelet Wiener Filtering of ECG Signals. IEEE Transactions on Biomedical Engineering, 2013, 60, 437-445.	4.2	103
2	Monitoring of heart rate, blood oxygen saturation, and blood pressure using a smartphone. Biomedical Signal Processing and Control, 2020, 59, 101928.	5.7	61
3	ECG features and methods for automatic classification of ventricular premature and ischemic heartbeats: A comprehensive experimental study. Scientific Reports, 2017, 7, 11239.	3.3	51
4	Real-Time Quality Assessment of Long-Term ECG Signals Recorded by Wearables in Free-Living Conditions. IEEE Transactions on Biomedical Engineering, 2020, 67, 2721-2734.	4.2	45
5	A Comparative Analysis of Methods for Evaluation of ECG Signal Quality after Compression. BioMed Research International, 2018, 2018, 1-26.	1.9	42
6	Multi-stage SVM approach for cardiac arrhythmias detection in short single-lead ECG recorded by a wearable device. Physiological Measurement, 2018, 39, 094003.	2.1	22
7	Advanced P Wave Detection in Ecg Signals During Pathology: Evaluation in Different Arrhythmia Contexts. Scientific Reports, 2019, 9, 19053.	3.3	22
8	Automatic Detection of P Wave in ECG During Ventricular Extrasystoles. IFMBE Proceedings, 2019, , 381-385.	0.3	10
9	Towards real-time QRS feature extraction for wearable monitors. , 2016, 2016, 3519-3522.		7
10	Reliable P wave detection in pathological ECG signals. Scientific Reports, 2022, 12, 6589.	3.3	7
11	Brno University of Technology Smartphone PPG Database (BUT PPG): Annotated Dataset for PPG Quality Assessment and Heart Rate Estimation. BioMed Research International, 2021, 2021, 1-6.	1.9	6
12	Efficient implementation of Stockwell Transform for real-time embedded processing of physiologic signals. , 2017, 2017, 2598-2601.		4
13	Robust QRS Detection Using Combination of Three Independent Methods. , 0, , .		4
14	Assessment of ECG Signal Quality After Compression. IFMBE Proceedings, 2019, , 169-173.	0.3	1
15	Optimization of the wavelet Wiener filtering for ECG signals. , 2011, , .		0
16	Clinical accuracy QRS detector with automatic parameter adjustment in an autonomous, real-time physiologic monitor. , 2017, , .		0