Marian Kotas

List of Publications by Year
in descending order

29	314	840776 11	888059 17
papers	citations	h-index	g-index

30	30	30	219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards noise immune detection of fetal QRS complexes. Computer Methods and Programs in Biomedicine, 2010, 97, 241-256.	4.7	45
2	Application of spatio-temporal filtering to fetal electrocardiogram enhancement. Computer Methods and Programs in Biomedicine, 2011, 104, 1-9.	4.7	42
3	Application of projection pursuit based robust principal component analysis to ECG enhancement. Biomedical Signal Processing and Control, 2006, 1, 289-298.	5.7	33
4	Validation of Emotiv EPOC+ for extracting ERP correlates of emotional face processing. Biocybernetics and Biomedical Engineering, 2018, 38, 773-781.	5.9	29
5	Projective Filtering of Time-Aligned ECG Beats. IEEE Transactions on Biomedical Engineering, 2004, 51, 1129-1139.	4.2	26
6	On robust fuzzy c-regression models. Fuzzy Sets and Systems, 2015, 279, 112-129.	2.7	23
7	Projective filtering of time warped ECG beats. Computers in Biology and Medicine, 2008, 38, 127-137.	7.0	20
8	Averaging of nonlinearly aligned signal cycles for noise suppression. Biomedical Signal Processing and Control, 2015, 21, 157-168.	5.7	18
9	Robust projective filtering of time-warped ECG beats. Computer Methods and Programs in Biomedicine, 2008, 92, 161-172.	4.7	17
10	Projective filtering of time-aligned ECG beats for repolarization duration measurement. Computer Methods and Programs in Biomedicine, 2007, 85, 115-123.	4.7	15
11	Hierarchical clustering with planar segments as prototypes. Pattern Recognition Letters, 2015, 54, 1-10.	4.2	12
12	ECG signals reconstruction in subbands for noise suppression. Biocybernetics and Biomedical Engineering, 2017, 37, 453-465.	5.9	6
13	Detection of low amplitude fetal QRS complexes. , 2008, 2008, 4764-7.		5
14	On clustering based nonlinear projective filtering of biomedical signals. Biomedical Signal Processing and Control, 2018, 44, 237-246.	5.7	5
15	Sequential separation of twin pregnancy electrocardiograms. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2016, 64, 91-101.	0.8	4
16	Estimation of PQ distance dispersion for atrial fibrillation detection. Computer Methods and Programs in Biomedicine, 2021, 208, 106167.	4.7	4
17	Fetal ECG extraction using independent component analysis by Jade approach. , 2017, , .		4
18	Dynamic Time Warping Based on Modified Alignment Costs for Evoked Potentials Averaging. Advances in Intelligent Systems and Computing, 2016, , 305-314.	0.6	3

#	Article	IF	Citations
19	Application of Spatio-Temporal Filtering for Atrial Activity Waveforms Enhancement. , 2019, , .		2
20	Home ultrasound device for heart beats monitoring based on ARM microcontroller. , 2016, , .		0
21	Wireless Fetal Monitoring at Home with On-Line Signal Analysis. IFMBE Proceedings, 2011, , 906-909.	0.3	0
22	PCA Based Hierarchical Clustering with Planar Segments as Prototypes and Maximum Density Linkage. Advances in Intelligent Systems and Computing, 2016, , 507-516.	0.6	0
23	Averaging of Nonlinearly Aligned Evoked Potentials in Impulsive Noise Environment. Advances in Intelligent Systems and Computing, 2018, , 217-227.	0.6	0
24	Hierarchical Agglomerative Clustering of Time-Warped Series. Advances in Intelligent Systems and Computing, 2018, , 207-216.	0.6	0
25	Spatio-Temporal Filtering for Evoked Potentials Detection. Advances in Intelligent Systems and Computing, 2020, , 34-43.	0.6	0
26	Projective Versus Linear Filtering for Repolarization Duration Measurement. Advances in Soft Computing, 2008, , 251-258.	0.4	0
27	A novel approach for QRS complex detection in patients with atrial arrhythmia. , 2020, , .		0
28	Spatio Temporal Filtering of Multi-lead ECG Signals for Atrial Arrhythmia Classification. , 2021, , .		0
29	Automated Atrial Fibrillation Detection by ECG Signal Processing. A Review.. Critical Reviews in Biomedical Engineering, 2022, 49, 31-50.	0.9	0