R Peak Detection Method Using Wavelet Transform and

Citation Report

#	ARTICLE	IF	CITATIONS
1	Real-time R-spike detection in the cardiac waveform through independent component analysis. , 2017, , .		1
2	R-peak detection using efficient technique for tachycardia detection. , 2017, , .		3
3	Heartbeat Classification Using Convolution Neural Network and Wavelet Transform to Extract Features. , 2018, , .		3
4	An Efficient Teager Energy Operator-Based Automated QRS Complex Detection. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.1	13
5	Deep Deterministic Learning for Pattern Recognition of Different Cardiac Diseases through the Internet of Medical Things. Journal of Medical Systems, 2018, 42, 252.	2.2	15
6	A Novel R Peak Detection Method for Mobile Environments. IEEE Access, 2018, 6, 51227-51237.	2.6	22
7	Development of robust, fast and efficient QRS complex detector: a methodological review. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 581-600.	1.4	28
8	Cardiac events detection using curvelet transform. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	4
9	R-Peak Detection in ECG Signal Using Yuleâ€"Walker and Principal Component Analysis. IETE Journal of Research, 2021, 67, 921-934.	1.8	41
10	Design and Implementation of a Novel R-Peak Detection Algorithm. , 2019, , .		1
11	Prediction analytics of myocardial infarction through model-driven deep deterministic learning. Neural Computing and Applications, 2020, 32, 15909-15928.	3.2	2
12	A Graph-constrained Changepoint Detection Approach for ECG Segmentation. , 2020, 2020, 332-336.		2
13	An effective frequency-domain feature of atrial fibrillation based on timeâ€"frequency analysis. BMC Medical Informatics and Decision Making, 2020, 20, 308.	1.5	7
14	Performance Evaluation of Various Pre-Processing Techniques for R-Peak Detection in ECG Signal. IETE Journal of Research, 2022, 68, 3267-3282.	1.8	22
15	A Survey of Heart Anomaly Detection Using Ambulatory Electrocardiogram (ECG). Sensors, 2020, 20, 1461.	2.1	50
16	Comparison of Trotting Stance Detection Methods from an Inertial Measurement Unit Mounted on the Horseâ€™s Limb. Sensors, 2020, 20, 2983.	2.1	14
17	A Robust Method to Reliable Cardiac QRS Complex Detection Based on Shannon Energy and Teager Energy Operator. Circuits, Systems, and Signal Processing, 2021, 40, 980-992.	1.2	4
18	Modeling and Reproducing Textile Sensor Noise: Implications for Textile-Compatible Signal Processing Algorithms. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 243-253.	3.9	1

#	ARTICLE	IF	CITATIONS
19	An Efficient Low Computational Cost Method of R-Peak Detection. Wireless Personal Communications, 2021, 118, 359-381.	1.8	29
20	Method for detecting R-waves of an ECG signal based on wavelet decomposition. Izmeritel`naya Tekhnika, 2021, , 67-72.	0.0	0
21	A greedy graph search algorithm based on changepoint analysis for automatic QRS complex detection. Computers in Biology and Medicine, 2021, 130, 104208.	3.9	4
22	An innovative method based on Shannon energy envelope and summit navigation for detecting R peaks of noise stress test signals. Journal of Electrocardiology, 2021, 65, 8-17.	0.4	0
23	Artificial intelligence methods for analysis of electrocardiogram signals for cardiac abnormalities: state-of-the-art and future challenges. Artificial Intelligence Review, 2022, 55, 1519-1565.	9.7	25
24	Complex-Pan-Tompkins-Wavelets: Cross-channel ECG beat detection and delineation. Biomedical Signal Processing and Control, 2021, 66, 102450.	3.5	8
25	A novel feature extraction-based ECG signal analysis. Journal of the Institution of Engineers (India): Series B, 2021, 102, 903-913.	1.3	12
26	A Critical Review of Feature Extraction Techniques for ECG Signal Analysis. Journal of the Institution of Engineers (India): Series B, 2021, 102, 1049-1060.	1.3	44
27	Efficient ANN Algorithms for Sleep Apnea Detection Using Transform Methods. Algorithms for Intelligent Systems, 2020, , 99-152.	0.5	5
28	Improving R Peak Detection in ECG Signal Using Dynamic Mode Selected Energy and Adaptive Window Sizing Algorithm with Decision Tree Algorithm. Sensors, 2021, 21, 6682.	2.1	8
29	Method for Detecting R-Waves of an ECG Signal Based on Wavelet Decomposition. Measurement Techniques, 2021, 64, 420-426.	0.2	2
30	A Review on Computational Methods for Denoising and Detecting ECG Signals to Detect Cardiovascular Diseases. Archives of Computational Methods in Engineering, 2022, 29, 1875-1914.	6.0	19
31	FrWT-PPCA-Based R-peak Detection for Improved Management of Healthcare System. IETE Journal of Research, 2023, 69, 5064-5078.	1.8	34
32	Peak Detection Implementation for Real-Time Signal Analysis Based on FPGA. Circuits and Systems, 2018, 09, 148-167.	0.1	4
33	Understanding Bit-Error Trade-off of Transform-based Lossy Compression on Electrocardiogram Signals. , 2020, , .		6
34	Atrial Fibrillation Classification Using Convolutional Neural Networks and Time Domain Features of ECG Sequence. , 2020, , .		4
35	QRS complex detection and R–R interval computation based on discrete wavelet transform. International Journal on Smart Sensing and Intelligent Systems, 2020, 13, 1-11.	0.4	2
36	A Novel FrWT Based Arrhythmia Detection in ECG Signal Using YWARA and PCA. Wireless Personal Communications, 2022, 124, 1229-1246.	1.8	32

#	ARTICLE	IF	CITATIONS
37	A Graph-Constrained Changepoint Learning Approach for Automatic QRS-Complex Detection. , 2020, , .		0
38	Effects of denoising strategies on R-wave detection in ECG analysis. , 2021, 2021, 373-376.		1
39	An Early Warning of Atrial Fibrillation Based on Short-Time ECG Signals. Journal of Healthcare Engineering, 2022, 2022, 1-7.	1.1	3
40	Classification of Cardiac Signals with Automated R-Peak Detection Using Wavelet Transform Method. Wireless Personal Communications, 2022, 123, 655.	1.8	3
41	Design and Implementation of an Ultralow-Power ECG Patch and Smart Cloud-Based Platform. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	9
42	A Machine Learning Approach for the Detection of QRS Complexes in Electrocardiogram (ECG) Using Discrete Wavelet Transform (DWT) Algorithm. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.1	11
44	Adaptive Partition of ECG Diagnosis Between Cloud and Wearable Sensor Net Using Open-Loop and Closed-Loop Switch Mode. IEEE Access, 2022, 10, 63684-63697.	2.6	5
45	PÃ‰EK: A cloud-based application for automatic electrocardiogram pre-diagnosis. SoftwareX, 2022, 19, 101124.	1.2	1
47	Adaptive R-Peak Detector in Extreme Noise Using EMD Selective Analyzer. , 2022, , .		1
48	Road Abnormality Detection Using Piezoresistive Force Sensors and Adaptive Signal Models. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	3
49	An Optimized Heart Rate Detection System Based onÂLow-Power Microcontroller Platforms forÂBiosignal Processing. Lecture Notes in Networks and Systems, 2023, , 160-170.	0.5	1
50	ECG Paper Digitization and R Peaks Detection Using FFT. Applied Computational Intelligence and Soft Computing, 2022, 2022, 1-11.	1.6	4
51	Robust R-peak detection in an electrocardiogram with stationary wavelet transformation and separable convolution. Scientific Reports, 2022, 12, .	1.6	10
52	R PEAK DETERMINATION USING A WDFR ALGORITHM AND ADAPTIVE THRESHOLD. , 2022, 18, 19-30.		1
53	A Comprehensive Review of Computer-based Techniques for R-Peaks/QRS Complex Detection in ECG Signal. Archives of Computational Methods in Engineering, 2023, 30, 3703-3721.	6.0	2
54	A Robust R Peak Recognition Procedure of a cardiac Signal using Modified Db 20 Wavelet Transform. , 2023, , .		0
55	A Virtual Reality Exergame: Clinician-Guided Breathing and Relaxation for Children with Muscular Dystrophy. , 2023, , .		0
56	A Holistic Overview of Artificial Intelligence in Detection, Classification and Prediction of Atrial Fibrillation Using Electrocardiogram: A Systematic Review and Meta-analysis. Archives of Computational Methods in Engineering, 2023, 30, 4063-4079.	6.0	3

#	ARTICLE	IF	CITATIONS
59	An Efficient 1D Autoencoder-Based Approach for R-Peaks Detection in Electrocardiogram Signals. , 2023, , .		0