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Beyond auscultation: acoustic cardiography in clinical practice

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#	Paper	IF	Citations
43	Analysis of Acoustic Cardiac Signals for Heart Rate Variability and Murmur Detection Using Nonnegative Matrix Factorization-Based Hierarchical Decomposition. 2014 ,		
42	How to Improve Time to Diagnosis in Acute Heart Failure - Clinical Signs and Chest X-ray. <i>Cardiac Failure Review</i> , 2015 , 1, 69-74	4.2	7
41	Night-time electromechanical activation time, pulsatile hemodynamics, and discharge outcomes in patients with acute heart failure. <i>ESC Heart Failure</i> , 2015 , 2, 184-193	3.7	7
40	Soplo cardİaco. <i>EMC Pediatria</i> , 2016 , 51, 1-3	0	
39	Technology İConsiderations for the NICU of the Future. <i>Newborn and Infant Nursing Reviews</i> , 2016 , 16, 208-212		5
38	The 200th anniversary of the stethoscope: Can this low-tech device survive in the high-tech 21st century?. <i>European Heart Journal</i> , 2016 , 37, 3536-3543	9.5	18
37	S1 and S2 Heart Sound Recognition Using Deep Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 372-380	5	90
36	A method for the computational modeling of the physics of heart murmurs. <i>Journal of Computational Physics</i> , 2017 , 336, 546-568	4.1	13
35	Development of a Smartphone App for Visualizing Heart Sounds and Murmurs. <i>Cardiology</i> , 2017 , 137, 193-200	1.6	6
34	Adaptive noise reduction phonocardiograms based on wavelet transformation. 2017 ,		1
33	Development of a channel for recording phonocardiograms in electronic stethoscopes. 2017 ,		
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27	Investigation of Acoustic Cardiographic Parameters before and after Hemodialysis. <i>Disease Markers</i> , 2019 , 2019, 5270159	3.2	2

26	Noninvasive Determination of Blood Pressure by Heart Sound Analysis Compared With Intra-Arterial Monitoring in Critically Ill Children-A Pilot Study of a Novel Approach. <i>Pediatric Critical Care Medicine</i> , 2019 , 20, 809-816	3	1
25	Assessment of systolic and diastolic function in clinically healthy horses using ambulatory acoustic cardiography. <i>Equine Veterinary Journal</i> , 2019 , 51, 391-400	2.4	2
24	Effect of Acoustic Cardiography-guided Management on 1-year Outcomes in Patients With Acute Heart Failure. <i>Journal of Cardiac Failure</i> , 2020 , 26, 142-150	3.3	7
23	Characterization of cardiac acoustic biomarkers in patients with heart failure. <i>Annals of Noninvasive Electrocardiology</i> , 2020 , 25, e12717	1.5	5
22	Blind Monaural Source Separation on Heart and Lung Sounds Based on Periodic-Coded Deep Autoencoder. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 3203-3214	7.2	2
21	A Method for the Estimation of the Timing of Heart Sound Components Through Blind Source Separation in Multi-Source Phonocardiography. 2020 ,		
20	New non-invasive approach to detect cardiac contractility using the first sound of phonocardiogram. <i>Acute Medicine & Surgery</i> , 2020 , 7, e483	1.7	1
19	Acoustocardiography with Assessment of Emotional Tension from the Voice. <i>Bio-Medical Engineering</i> , 2020 , 53, 383-387	0.5	
18	A Simple Laptop-based Phonocardiography System: A Novel and Inexpensive Instrument for Research and Clinical Use. <i>Emirates Medical Journal</i> , 2021 , 2, 31-37	1.3	
17	Temporal changes of cardiac acoustic biomarkers and cardiac function in acute decompensated heart failure. <i>ESC Heart Failure</i> , 2021 , 8, 4037-4047	3.7	1
16	Digital phonocardiography of cardiac arrhythmias in dogs - Preliminary experiences. <i>Acta Veterinaria Hungarica</i> , 2021 , 69, 116-124	1	1
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14	Value of acoustic cardiography in the clinical diagnosis of coronary heart disease. <i>Clinical Cardiology</i> , 2021 , 44, 1386-1392	3.3	1
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8	A multimodal parallel method for left ventricular dysfunction identification based on phonocardiogram and electrocardiogram signals synchronous analysis. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 9612-9635	2.1	1
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