

Ru San Tan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245
papers

8,824
citations

41
h-index

90
g-index

286
ext. papers

11,598
ext. citations

5.4
avg. IF

6.4
L-index

#	Paper	IF	Citations
245	Apixaban in patients with atrial fibrillation. <i>New England Journal of Medicine</i> , 2011 , 364, 806-17	59.2	1772
244	A deep convolutional neural network model to classify heartbeats. <i>Computers in Biology and Medicine</i> , 2017 , 89, 389-396	7	541
243	Arrhythmia detection using deep convolutional neural network with long duration ECG signals. <i>Computers in Biology and Medicine</i> , 2018 , 102, 411-420	7	322
242	Automated diagnosis of arrhythmia using combination of CNN and LSTM techniques with variable length heart beats. <i>Computers in Biology and Medicine</i> , 2018 , 102, 278-287	7	296
241	Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease. <i>Science Translational Medicine</i> , 2015 , 7, 270ra6	17.5	267
240	Dabigatran versus warfarin: effects on ischemic and hemorrhagic strokes and bleeding in Asians and non-Asians with atrial fibrillation. <i>Stroke</i> , 2013 , 44, 1891-6	6.7	219
239	Analysis of the impact of early surgery on in-hospital mortality of native valve endocarditis: use of propensity score and instrumental variable methods to adjust for treatment-selection bias. <i>Circulation</i> , 2010 , 121, 1005-13	16.7	197
238	Prevalence and correlates of coronary microvascular dysfunction in heart failure with preserved ejection fraction: PROMIS-HFpEF. <i>European Heart Journal</i> , 2018 , 39, 3439-3450	9.5	195
237	Application of stacked convolutional and long short-term memory network for accurate identification of CAD ECG signals. <i>Computers in Biology and Medicine</i> , 2018 , 94, 19-26	7	189
236	The Long-Term Multicenter Observational Study of Dabigatran Treatment in Patients With Atrial Fibrillation (RELY-ABLE) Study. <i>Circulation</i> , 2013 , 128, 237-43	16.7	166
235	Classification of myocardial infarction with multi-lead ECG signals and deep CNN. <i>Pattern Recognition Letters</i> , 2019 , 122, 23-30	4.7	150
234	A new approach for arrhythmia classification using deep coded features and LSTM networks. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 176, 121-133	6.9	141
233	Automated characterization and classification of coronary artery disease and myocardial infarction by decomposition of ECG signals: A comparative study. <i>Information Sciences</i> , 2017 , 377, 17-29	7.7	138
232	Automated detection and localization of myocardial infarction using electrocardiogram: a comparative study of different leads. <i>Knowledge-Based Systems</i> , 2016 , 99, 146-156	7.3	130
231	Early Regenerative Capacity in the Porcine Heart. <i>Circulation</i> , 2018 , 138, 2798-2808	16.7	117
230	The electronic stethoscope. <i>BioMedical Engineering OnLine</i> , 2015 , 14, 66	4.1	116
229	International reproducibility of single breathhold T2* MR for cardiac and liver iron assessment among five thalassemia centers. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 315-9	5.6	116

228	Automated detection of atrial fibrillation using long short-term memory network with RR interval signals. <i>Computers in Biology and Medicine</i> , 2018 , 102, 327-335	7	115
227	Deep convolutional neural network for the automated diagnosis of congestive heart failure using ECG signals. <i>Applied Intelligence</i> , 2019 , 49, 16-27	4.9	115
226	Rivaroxaban for stroke prevention in East Asian patients from the ROCKET AF trial. <i>Stroke</i> , 2014 , 45, 1739-47	6.7	106
225	A new machine learning technique for an accurate diagnosis of coronary artery disease. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 179, 104992	6.9	100
224	Myocardial Viability and Long-Term Outcomes in Ischemic Cardiomyopathy. <i>New England Journal of Medicine</i> , 2019 , 381, 739-748	59.2	99
223	An integrated index for detection of Sudden Cardiac Death using Discrete Wavelet Transform and nonlinear features. <i>Knowledge-Based Systems</i> , 2015 , 83, 149-158	7.3	85
222	An efficient compression of ECG signals using deep convolutional autoencoders. <i>Cognitive Systems Research</i> , 2018 , 52, 198-211	4.8	83
221	Application of higher-order spectra for the characterization of Coronary artery disease using electrocardiogram signals. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 31-43	4.9	82
220	Computer-aided diagnosis of atrial fibrillation based on ECG Signals: A review. <i>Information Sciences</i> , 2018 , 467, 99-114	7.7	75
219	High-dose daptomycin therapy for left-sided infective endocarditis: a prospective study from the international collaboration on endocarditis. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 6213-22	5.9	69
218	Left ventricular regional wall curvedness and wall stress in patients with ischemic dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H573-84	5.2	67
217	Automated beat-wise arrhythmia diagnosis using modified U-net on extended electrocardiographic recordings with heterogeneous arrhythmia types. <i>Computers in Biology and Medicine</i> , 2019 , 105, 92-101	7	67
216	Impact of early valve surgery on outcome of Staphylococcus aureus prosthetic valve infective endocarditis: analysis in the International Collaboration of Endocarditis-Pro prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2015 , 60, 741-9	11.6	61
215	A novel automated diagnostic system for classification of myocardial infarction ECG signals using an optimal biorthogonal filter bank. <i>Computers in Biology and Medicine</i> , 2018 , 102, 341-356	7	60
214	Comprehensive electrocardiographic diagnosis based on deep learning. <i>Artificial Intelligence in Medicine</i> , 2020 , 103, 101789	7.4	55
213	Effects of Sacubitril/Valsartan (LCZ696) on Natriuresis, Diuresis, Blood Pressures, and NT-proBNP in Salt-Sensitive Hypertension. <i>Hypertension</i> , 2017 , 69, 32-41	8.5	55
212	Entropies for automated detection of coronary artery disease using ECG signals: A review. <i>Biocybernetics and Biomedical Engineering</i> , 2018 , 38, 373-384	5.7	48
211	Application of multiresolution analysis for automated detection of brain abnormality using MR images: A comparative study. <i>Future Generation Computer Systems</i> , 2019 , 90, 359-367	7.5	48

210	Computer-aided diagnosis of Myocardial Infarction using ultrasound images with DWT, GLCM and HOS methods: A comparative study. <i>Computers in Biology and Medicine</i> , 2015 , 62, 86-93	7	48
209	Perspective on CFD studies of coronary artery disease lesions and hemodynamics: a review. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014 , 30, 659-80	2.6	48
208	Right ventricular regional wall curvedness and area strain in patients with repaired tetralogy of Fallot. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1306-16	5.2	46
207	Cardiovascular magnetic resonance reference ranges for the heart and aorta in Chinese at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 21	6.9	45
206	Therapeutic angiogenesis by transplantation of human embryonic stem cell-derived CD133+ endothelial progenitor cells for cardiac repair. <i>Regenerative Medicine</i> , 2010 , 5, 231-44	2.5	45
205	Application of Patient-Specific Computational Fluid Dynamics in Coronary and Intra-Cardiac Flow Simulations: Challenges and Opportunities. <i>Frontiers in Physiology</i> , 2018 , 9, 742	4.6	42
204	Convalescent COVID-19 patients are susceptible to endothelial dysfunction due to persistent immune activation. <i>ELife</i> , 2021 , 10,	8.9	41
203	Automated heartbeat classification and detection of arrhythmia using optimal orthogonal wavelet filters. <i>Informatics in Medicine Unlocked</i> , 2019 , 16, 100221	5.3	40
202	Numerical simulation of patient-specific left ventricular model with both mitral and aortic valves by FSI approach. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 113, 474-82	6.9	40
201	Computer-aided diagnosis of congestive heart failure using ECG signals - A review. <i>Physica Medica</i> , 2019 , 62, 95-104	2.7	39
200	Association between work-related features and coronary artery disease: A heterogeneous hybrid feature selection integrated with balancing approach. <i>Pattern Recognition Letters</i> , 2020 , 133, 33-40	4.7	39
199	Simplified Models of Non-Invasive Fractional Flow Reserve Based on CT Images. <i>PLoS ONE</i> , 2016 , 11, e0153070	3.7	38
198	Automated diagnosis of congestive heart failure using dual tree complex wavelet transform and statistical features extracted from 2s of ECG signals. <i>Computers in Biology and Medicine</i> , 2017 , 83, 48-58	7	37
197	Classification of heart sound signals using a novel deep WaveNet model. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 196, 105604	6.9	37
196	Application of empirical mode decomposition (EMD) for automated identification of congestive heart failure using heart rate signals. <i>Neural Computing and Applications</i> , 2017 , 28, 3073-3094	4.8	37
195	Validation of a novel noninvasive cardiac index of left ventricular contractility in patients. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H2764-72	5.2	36
194	Computer aided diagnosis of Coronary Artery Disease, Myocardial Infarction and carotid atherosclerosis using ultrasound images: A review. <i>Physica Medica</i> , 2017 , 33, 1-15	2.7	33
193	Multi-center transferability of a breath-hold T2 technique for myocardial iron assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 11	6.9	33

192	Improved angiogenic response in pig heart following ischaemic injury using human skeletal myoblast simultaneously expressing VEGF165 and angiopoietin-1. <i>European Journal of Heart Failure</i> , 2007 , 9, 15-22	12.3	32
191	Proteomic Evaluation of the Comorbidity-Inflammation Paradigm in Heart Failure With Preserved Ejection Fraction: Results From the PROMIS-HFpEF Study. <i>Circulation</i> , 2020 , 142, 2029-2044	16.7	32
190	Importance of angina in patients with coronary disease, heart failure, and left ventricular systolic dysfunction: insights from STICH. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2092-2100	15.1	31
189	Accurate deep neural network model to detect cardiac arrhythmia on more than 10,000 individual subject ECG records. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 197, 105740	6.9	30
188	Validation of a rapid semi-automated method to assess left atrial longitudinal phasic strains on cine cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 71	6.9	30
187	Normal Values of Myocardial Deformation Assessed by Cardiovascular Magnetic Resonance Feature Tracking in a Healthy Chinese Population: A Multicenter Study. <i>Frontiers in Physiology</i> , 2018 , 9, 1181	4.6	30
186	Hemodynamic analysis of patient-specific coronary artery tree. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2015 , 31, e02708	2.6	29
185	Effects of surgical ventricular restoration on left ventricular contractility assessed by a novel contractility index in patients with ischemic cardiomyopathy. <i>American Journal of Cardiology</i> , 2009 , 103, 674-9	3	29
184	Reduced valve replacement surgery and complication rate in Staphylococcus aureus endocarditis patients receiving acetyl-salicylic acid. <i>Journal of Infection</i> , 2009 , 58, 332-8	18.9	29
183	Impaired Cardiovascular Magnetic Resonance-Derived Rapid Semiautomated Right Atrial Longitudinal Strain Is Associated With Decompensated Hemodynamics in Pulmonary Arterial Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008582	3.9	28
182	Three-Dimensional Tricuspid Annular Motion Analysis from Cardiac Magnetic Resonance Feature-Tracking. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 3522-3538	4.7	28
181	Cardiac MRI based numerical modeling of left ventricular fluid dynamics with mitral valve incorporated. <i>Journal of Biomechanics</i> , 2016 , 49, 1199-1205	2.9	26
180	Automated detection of shockable and non-shockable arrhythmia using novel wavelet-based ECG features. <i>Computers in Biology and Medicine</i> , 2019 , 115, 103446	7	24
179	Angiopoietin-1 for myocardial angiogenesis: a comparison between delivery strategies. <i>European Journal of Heart Failure</i> , 2007 , 9, 458-65	12.3	24
178	Coronary Artery Segmentation by Deep Learning Neural Networks on Computed Tomographic Coronary Angiographic Images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 608-611	0.9	24
177	Antithrombotic treatment for stroke prevention in atrial fibrillation: The Asian agenda. <i>International Journal of Cardiology</i> , 2015 , 191, 244-53	3.2	23
176	Automated quantitative assessment of cardiovascular magnetic resonance-derived atrioventricular junction velocities. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1923-35	5.2	23
175	1D-CADCapsNet: One dimensional deep capsule networks for coronary artery disease detection using ECG signals. <i>Physica Medica</i> , 2020 , 70, 39-48	2.7	22

174	Correlation between clinical outcomes and appropriateness grading for referral to myocardial perfusion imaging for preoperative evaluation prior to non-cardiac surgery. <i>Journal of Nuclear Cardiology</i> , 2012 , 19, 277-84	2.1	22
173	Automated characterization of cardiovascular diseases using relative wavelet nonlinear features extracted from ECG signals. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 161, 133-143	6.9	21
172	A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. <i>Medical and Biological Engineering and Computing</i> , 2009 , 47, 313-22	3.1	21
171	Detection of shockable ventricular arrhythmia using optimal orthogonal wavelet filters. <i>Neural Computing and Applications</i> , 2020 , 32, 15869-15884	4.8	21
170	Global weighted LBP based entropy features for the assessment of pulmonary hypertension. <i>Pattern Recognition Letters</i> , 2019 , 125, 35-41	4.7	20
169	Automated Identification of Infarcted Myocardium Tissue Characterization Using Ultrasound Images: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2015 , 8, 86-97	6.4	20
168	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, spcone-spcone	5.6	20
167	The effects of apixaban on hospitalizations in patients with different types of atrial fibrillation: insights from the AVERROES trial. <i>European Heart Journal</i> , 2013 , 34, 2752-9	9.5	20
166	Evaluation of the American College of Cardiology Foundation/American Society of Nuclear Cardiology appropriateness criteria for SPECT myocardial perfusion imaging in an Asian tertiary cardiac center. <i>Journal of Nuclear Cardiology</i> , 2011 , 18, 324-30	2.1	20
165	Automatic localization of the left ventricle from cardiac cine magnetic resonance imaging: a new spectrum-based computer-aided tool. <i>PLoS ONE</i> , 2014 , 9, e92382	3.7	19
164	Data mining framework for identification of myocardial infarction stages in ultrasound: A hybrid feature extraction paradigm (PART 2). <i>Computers in Biology and Medicine</i> , 2016 , 71, 241-51	7	18
163	Associations between Skeletal Muscle and Myocardium in Aging: A Syndrome of "Cardio-Sarcopenia"?. <i>Journal of the American Geriatrics Society</i> , 2019 , 67, 2568-2573	5.6	18
162	Myocardial contractile dysfunction associated with increased 3-month and 1-year mortality in hospitalized patients with heart failure and preserved ejection fraction. <i>International Journal of Cardiology</i> , 2013 , 168, 1975-83	3.2	18
161	A geometrical approach for evaluating left ventricular remodeling in myocardial infarct patients. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 500-10	6.9	18
160	Accurate detection of myocardial infarction using non linear features with ECG signals. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 3227-3244	3.7	18
159	Clinical characteristics and outcomes of patients with and without diabetes in the Surgical Treatment for Ischemic Heart Failure (STICH) trial. <i>European Journal of Heart Failure</i> , 2015 , 17, 725-34	12.3	17
158	Coronary artery disease detection using artificial intelligence techniques: A survey of trends, geographical differences and diagnostic features 1991-2020. <i>Computers in Biology and Medicine</i> , 2021 , 128, 104095	7	17
157	Metabolomic profile of arterial stiffness in aged adults. <i>Diabetes and Vascular Disease Research</i> , 2018 , 15, 74-80	3.3	16

156	Dissecting Clinical and Metabolomics Associations of Left Atrial Phasic Function by Cardiac Magnetic Resonance Feature Tracking. <i>Scientific Reports</i> , 2018 , 8, 8138	4.9	16
155	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 677-681	5.6	16
154	Numerical simulation and clinical implications of stenosis in coronary blood flow. <i>BioMed Research International</i> , 2014 , 2014, 514729	3	16
153	Numerical Modeling of Intraventricular Flow during Diastole after Implantation of BMHV. <i>PLoS ONE</i> , 2015 , 10, e0126315	3.7	16
152	A computational intelligence tool for the detection of hypertension using empirical mode decomposition. <i>Computers in Biology and Medicine</i> , 2020 , 118, 103630	7	16
151	Automated detection of severity of hypertension ECG signals using an optimal bi-orthogonal wavelet filter bank. <i>Computers in Biology and Medicine</i> , 2020 , 123, 103924	7	16
150	Endothelial function is associated with myocardial diastolic function in women with systemic lupus erythematosus. <i>Rheumatology International</i> , 2014 , 34, 1281-5	3.6	15
149	Long-term Prognostic Value of Cardiac MRI Left Atrial Strain in ST-Segment Elevation Myocardial Infarction. <i>Radiology</i> , 2020 , 296, 299-309	20.5	14
148	Automated pre-screening of arrhythmia using hybrid combination of Fourier-Bessel expansion and LSTM. <i>Computers in Biology and Medicine</i> , 2020 , 120, 103753	7	14
147	Imaging 4D morphology and dynamics of mitral annulus in humans using cardiac cine MR feature tracking. <i>Scientific Reports</i> , 2018 , 8, 81	4.9	14
146	Myoblast-based cardiac repair: xenomyoblast versus allomyoblast transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 1332-9	1.5	13
145	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1536-1547	15.1	13
144	Application of nonlinear methods to discriminate fractionated electrograms in paroxysmal versus persistent atrial fibrillation. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 175, 163-178	6.9	12
143	Advanced analyses of computed tomography coronary angiography can help discriminate ischemic lesions. <i>International Journal of Cardiology</i> , 2018 , 267, 208-214	3.2	12
142	Automated diagnostic tool for hypertension using convolutional neural network. <i>Computers in Biology and Medicine</i> , 2020 , 126, 103999	7	12
141	Automated detection of coronary artery disease, myocardial infarction and congestive heart failure using GaborCNN model with ECG signals. <i>Computers in Biology and Medicine</i> , 2021 , 134, 104457	7	12
140	Thymosin β increases cardiac cell proliferation, cell engraftment, and the reparative potency of human induced-pluripotent stem cell-derived cardiomyocytes in a porcine model of acute myocardial infarction. <i>Theranostics</i> , 2021 , 11, 7879-7895	12.1	12
139	Combined diagnostic performance of coronary computed tomography angiography and computed tomography derived fractional flow reserve for the evaluation of myocardial ischemia: A meta-analysis. <i>International Journal of Cardiology</i> , 2017 , 236, 100-106	3.2	11

138	Hybrid genetic-discretized algorithm to handle data uncertainty in diagnosing stenosis of coronary arteries. <i>Expert Systems</i> , 2020 ,	2.1	11
137	An integrated index for automated detection of infarcted myocardium from cross-sectional echocardiograms using texton-based features (Part 1). <i>Computers in Biology and Medicine</i> , 2016 , 71, 231-240	7.4	11
136	Fragmented QRS complexes predict right ventricular dysfunction and outflow tract aneurysms in patients with repaired tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2013 , 167, 1366-72	3.2	11
135	Automatic 4D reconstruction of patient-specific cardiac mesh with 1-to-1 vertex correspondence from segmented contours lines. <i>PLoS ONE</i> , 2014 , 9, e93747	3.7	11
134	Cardiac inflammatory myofibroblastic tumor as a rare cause of aortic regurgitation: a case report. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 150-1	1.5	11
133	Application of Petersen graph pattern technique for automated detection of heart valve diseases with PCG signals. <i>Information Sciences</i> , 2021 , 565, 91-104	7.7	11
132	Automated arrhythmia detection with homeomorphically irreducible tree technique using more than 10,000 individual subject ECG records. <i>Information Sciences</i> , 2021 , 575, 323-337	7.7	11
131	A Population-wide study of electrocardiographic (ECG) norms and the effect of demographic and anthropometric factors on selected ECG characteristics in young, Southeast Asian males-results from the Singapore Armed Forces ECG (SAFE) study. <i>Annals of Noninvasive Electrocardiology</i> , 2019 , 24, e12634	1.5	10
130	Fast long-axis strain: a simple, automatic approach for assessing left ventricular longitudinal function with cine cardiovascular magnetic resonance. <i>European Radiology</i> , 2020 , 30, 3672-3683	8	10
129	Galectin-3 as a candidate upstream biomarker for quantifying risks of myocardial ageing. <i>ESC Heart Failure</i> , 2019 , 6, 1068-1076	3.7	10
128	Stroke prevention in atrial fibrillation: understanding the new oral anticoagulants dabigatran, rivaroxaban, and apixaban. <i>Thrombosis</i> , 2012 , 2012, 108983		10
127	Model uncertainty quantification for diagnosis of each main coronary artery stenosis. <i>Soft Computing</i> , 2020 , 24, 10149-10160	3.5	10
126	Quantification of Biventricular Strains in Heart Failure With Preserved Ejection Fraction Patient Using Hyperelastic Warping Method. <i>Frontiers in Physiology</i> , 2018 , 9, 1295	4.6	10
125	Regional ejection fraction and regional area strain for left ventricular function assessment in male patients after first-time myocardial infarction. <i>Journal of the Royal Society Interface</i> , 2015 , 12,	4.1	9
124	The association between blood pressure and long-term outcomes of patients with ischaemic cardiomyopathy with and without surgical revascularization: an analysis of the STICH trial. <i>European Heart Journal</i> , 2018 , 39, 3464-3471	9.5	9
123	Assessment of left ventricular preload by cardiac magnetic resonance imaging predicts exercise capacity in adult operated tetralogy of Fallot: a retrospective study. <i>BMC Cardiovascular Disorders</i> , 2014 , 14, 122	2.3	9
122	Review of Deep Learning-Based Atrial Fibrillation Detection Studies. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	9
121	Fast Marching and Runge-Kutta Based Method for Centreline Extraction of Right Coronary Artery in Human Patients. <i>Cardiovascular Engineering and Technology</i> , 2016 , 7, 159-69	2.2	9

120	Reactive Oxygen Species Scavenging Nanomedicine for The Treatment of Ischemic Heart Disease.. <i>Advanced Materials</i> , 2022 , e2202169	24	9
119	SHOCKABLE VERSUS NONSHOCKABLE LIFE-THREATENING VENTRICULAR ARRHYTHMIAS USING DWT AND NONLINEAR FEATURES OF ECG SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740004	0.7	8
118	AUTOMATED IDENTIFICATION OF CORONARY ARTERY DISEASE FROM SHORT-TERM 12 LEAD ELECTROCARDIOGRAM SIGNALS BY USING WAVELET PACKET DECOMPOSITION AND COMMON SPATIAL PATTERN TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740007	0.7	8
117	Cardiac magnetic resonance T1 and extracellular volume mapping with motion correction and co-registration based on fast elastic image registration. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 115-129	2.8	8
116	Cardiac image segmentation by random walks with dynamic shape constraint. <i>IET Computer Vision</i> , 2016 , 10, 79-86	1.4	8
115	Left Ventricular Wall Stress Is Sensitive Marker of Hypertrophic Cardiomyopathy With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 2018 , 9, 250	4.6	8
114	A geometrical approach for automatic shape restoration of the left ventricle. <i>PLoS ONE</i> , 2013 , 8, e68615	3.7	8
113	Application of photoplethysmography signals for healthcare systems: An in-depth review.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 216, 106677	6.9	8
112	Disproportionate left atrial myopathy in heart failure with preserved ejection fraction among participants of the PROMIS-HFpEF study. <i>Scientific Reports</i> , 2021 , 11, 4885	4.9	8
111	Cardiac metabolic modulation upon low-carbohydrate low-protein ketogenic diet in diabetic rats studied in vivo using hyperpolarized C pyruvate, butyrate and acetoacetate probes. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 949-960	6.7	8
110	Attenuation of stress-based ventricular contractility in patients with heart failure and normal ejection fraction. <i>Annals of the Academy of Medicine, Singapore</i> , 2011 , 40, 179-85	2.8	8
109	An Accurate Multiple Sclerosis Detection Model Based on Exemplar Multiple Parameters Local Phase Quantization: ExMPLPQ. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4920	2.6	8
108	Analysis of three-dimensional endocardial and epicardial strains from cardiac magnetic resonance in healthy subjects and patients with hypertrophic cardiomyopathy. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 159-172	3.1	7
107	Patient-specific blood flows and vortex formations in patients with hypertrophic cardiomyopathy using computational fluid dynamics 2014 ,		7
106	Comparison of health state values derived from patients and individuals from the general population. <i>Quality of Life Research</i> , 2017 , 26, 3353-3363	3.7	7
105	Age and gender-specific changes in left ventricular systolic function in human volunteers. <i>International Journal of Cardiology</i> , 2014 , 172, e102-5	3.2	7
104	MECHANISM OF LEFT VENTRICULAR PRESSURE INCREASE DURING ISOVOLUMIC CONTRACTION, AND DETERMINATION OF ITS EQUIVALENT MYOCARDIAL FIBERS ORIENTATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2009 , 09, 177-198	0.7	7
103	Myoblast transplantation for cardiac repair: from automyoblast to allomyoblast transplantation. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 1841-8	2.7	7

102	Computational Platform Based on Deep Learning for Segmenting Ventricular Endocardium in Long-axis Cardiac MR Imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018, 2018, 4500-4503</i>	0.9	7
101	Automated detection of shockable ECG signals: A review. <i>Information Sciences, 2021, 571, 580-604</i>	7.7	7
100	Differential risk reclassification improvement by exercise testing and myocardial perfusion imaging in patients with suspected and known coronary artery disease. <i>Journal of Nuclear Cardiology, 2016, 23, 366-78</i>	2.1	6
99	HbH Constant Spring disease has lower serum ferritin relative to liver iron concentration (LIC): importance of LIC measurement and potential impact on serum ferritin thresholds for iron chelation. <i>British Journal of Haematology, 2017, 176, 986-988</i>	4.5	6
98	Coronary artery segmentation via Hessian filter and curve-skeleton extraction 2014,		6
97	Proper use of left atrial ejection force as a measure of left atrial mechanical function. <i>Echocardiography, 2012, 29, 878-84</i>	1.5	6
96	Influence of Sex on Platelet Reactivity in Response to Aspirin. <i>Journal of the American Heart Association, 2020, 9, e014726</i>	6	6
95	Exploring deep features and ECG attributes to detect cardiac rhythm classes. <i>Knowledge-Based Systems, 2021, 232, 107473</i>	7.3	6
94	Explainable detection of myocardial infarction using deep learning models with Grad-CAM technique on ECG signals.. <i>Computers in Biology and Medicine, 2022, 146, 105550</i>	7	6
93	Three-dimensional biventricular strains in pulmonary arterial hypertension patients using hyperelastic warping. <i>Computer Methods and Programs in Biomedicine, 2020, 189, 105345</i>	6.9	5
92	Comparison of Image Acquisition Techniques in Four-Dimensional Flow Cardiovascular MR on 3 Tesla in Volunteers and Tetralogy of Fallot Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018, 2018, 1115-1118</i>	0.9	5
91	Detection of persistent systolic and diastolic abnormalities in asymptomatic pediatric repaired tetralogy of Fallot patients with preserved ejection fraction: a CMR feature tracking study. <i>European Radiology, 2021, 31, 6156-6168</i>	8	5
90	Attention-based 3D CNN with residual connections for efficient ECG-based COVID-19 detection.. <i>Computers in Biology and Medicine, 2022, 143, 105335</i>	7	5
89	Long-Term Prognostic Value of Appropriate Myocardial Perfusion Imaging. <i>American Journal of Cardiology, 2017, 119, 1957-1962</i>	3	4
88	Cognitive impairment in Asian patients with heart failure: prevalence, biomarkers, clinical correlates, and outcomes. <i>European Journal of Heart Failure, 2019, 21, 688-690</i>	12.3	4
87	A Composite of Features for Learning-Based Coronary Artery Segmentation on Cardiac CT Angiography. <i>Lecture Notes in Computer Science, 2015, 271-279</i>	0.9	4
86	Prevalence of Brugada Syndrome in a Large Population of Young Singaporean Men. <i>Circulation, 2020, 141, 155-157</i>	16.7	4
85	A Software Tool for Heart AVJ Motion Tracking Using Cine Cardiovascular Magnetic Resonance Images. <i>IEEE Journal of Translational Engineering in Health and Medicine, 2017, 5, 1900412</i>	3	4

84	An adult with truncus arteriosus and unilateral pulmonary hypertension. <i>Congenital Heart Disease</i> , 2007 , 2, 433-7	3.1	4
83	Regional assessment of left ventricular surface shape from magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 884-7		4
82	Analysis of left ventricular surface deformation during isovolumic contraction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 787-90		4
81	Automated COVID-19 and Heart Failure Detection Using DNA Pattern Technique with Cough Sounds. <i>Diagnostics</i> , 2021 , 11,	3.8	4
80	Cardiovascular magnetic resonance-assessed fast global longitudinal strain parameters add diagnostic and prognostic insights in right ventricular volume and pressure loading disease conditions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 38	6.9	4
79	Automated Detection of Hypertension Using Physiological Signals: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
78	INFARCTED LEFT VENTRICLE CLASSIFICATION FROM CROSS-SECTIONAL ECHOCARDIOGRAMS USING RELATIVE WAVELET ENERGY AND ENTROPY FEATURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640009	0.7	4
77	AUTOMATED DIAGNOSIS OF DIABETES USING ENTROPIES AND DIABETIC INDEX. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640008	0.7	4
76	Amino acid differences between diabetic older adults and non-diabetic older adults and their associations with cardiovascular function. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 158, 63-71	5.8	4
75	Renal function and coronary bypass surgery in patients with ischemic heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	3
74	Novel method for atrioventricular motion assessment from three-dimensional cine magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 319-22	0.9	3
73	Quantification of coronary artery Stenosis by Area Stenosis from cardiac CT angiography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 695-8	0.9	3
72	Computer-based assessment of ventricular mechanical synchrony from magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6536-9	0.9	3
71	Improved aorto-ventricular matching in ischemic dilated cardiomyopathy patients after surgical ventricular restoration. <i>Medical Engineering and Physics</i> , 2011 , 33, 1120-6	2.4	3
70	Images in cardiovascular medicine. Occult anomalous pulmonary venous drainage: the clinical value of cardiac magnetic resonance imaging. <i>Circulation</i> , 2002 , 105, E27-8	16.7	3
69	Automated classification of attention deficit hyperactivity disorder and conduct disorder using entropy features with ECG signals.. <i>Computers in Biology and Medicine</i> , 2021 , 140, 105120	7	3
68	Quantification of effects of mean blood pressure and left ventricular mass on noninvasive fast fractional flow reserve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H360-H369	5.3	3
67	Local Preserving Class Separation Framework to Identify Gestational Diabetes Mellitus Mother Using Ultrasound Fetal Cardiac Image. <i>IEEE Access</i> , 2020 , 8, 229043-229051	3.5	3

66	Infective Endocarditis in Patients on Chronic Hemodialysis. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 1629-1640	15.1	3
65	Multi-dimensional proprio-proximus machine learning for assessment of myocardial infarction. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 70, 63-72	7.6	3
64	Tackling cardiometabolic risk in the Asia Pacific region. <i>American Journal of Preventive Cardiology</i> , 2020 , 4, 100096	1.9	2
63	Dexamethasone inhibits regeneration and causes ventricular aneurysm in the neonatal porcine heart after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 144, 15-23	5.8	2
62	Value of soluble Urokinase plasminogen activator receptor over age as a biomarker of impaired myocardial relaxation. <i>BMC Geriatrics</i> , 2017 , 17, 275	4.1	2
61	Elevated Right Atrial Pressure Associated with Alteration of Left Ventricular Contractility and Ventricular-Arterial Coupling in Pulmonary Artery Hypertension. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 020-023	0.9	2
60	Variational Reconstruction of Left Cardiac Structure from CMR Images. <i>PLoS ONE</i> , 2015 , 10, e0145570	3.7	2
59	Area stenosis associated with non-invasive fractional flow reserve obtained from coronary CT images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3865-8	0.9	2
58	Right Ventricle Segmentation by Temporal Information Constrained Gradient Vector Flow 2013 ,		2
57	Reconstructing patient-specific cardiac models from contours via Delaunay triangulation and graph-cuts. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 2976-9	0.9	2
56	INTRA-LEFT VENTRICULAR FLOW DISTRIBUTIONS IN DIASTOLIC AND SYSTOLIC PHASES, BASED ON ECHO VELOCITY FLOW MAPPING OF NORMAL SUBJECTS AND HEART FAILURE PATIENTS, TO CHARACTERIZE LEFT VENTRICULAR PERFORMANCE OUTCOMES OF HEART FAILURE. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1240029	0.7	2
55	Effect of Myocardial Viability Assessed by Cardiac Magnetic Resonance on Survival in Patients With Severe Left Ventricular Dysfunction. <i>Circulation Reports</i> , 2020 , 2, 306-313	0.7	2
54	Statin intolerance: an updated, narrative review mainly focusing on muscle adverse effects. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2020 , 16, 837-851	5.5	2
53	Exacerbation of cardiovascular ageing by diabetes mellitus and its associations with acyl-carnitines. <i>Aging</i> , 2021 , 13, 14785-14805	5.6	2
52	Age-related changes in four-dimensional CMR-derived atrioventricular junction velocities and displacements: Implications for the identification of altered annular dynamics for ventricular function assessment. <i>IJC Heart and Vasculature</i> , 2019 , 22, 6-12	2.4	2
51	Platelet reactivity in response to aspirin and ticagrelor in African-Americans and European-Americans. <i>Journal of Thrombosis and Thrombolysis</i> , 2021 , 51, 249-259	5.1	2
50	Automated detection of chronic kidney disease using image fusion and graph embedding techniques with ultrasound images. <i>Biomedical Signal Processing and Control</i> , 2021 , 68, 102733	4.9	2
49	Impact of age, sex and ethnicity on intra-cardiac flow components and left ventricular kinetic energy derived from 4D flow CMR. <i>International Journal of Cardiology</i> , 2021 , 336, 105-112	3.2	2

48	Computed Tomography Coronary Angiography and Computational Fluid Dynamics Based Fractional Flow Reserve Before and After Percutaneous Coronary Intervention. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 739667	5.8	2
47	Left ventricular diastolic function assessment using time differences between mitral annular velocities and transmitral inflow velocities in patients with heart failure. <i>Heart Lung and Circulation</i> , 2015 , 24, 257-63	1.8	1
46	Atrioventricular junction (AVJ) motion tracking: a software tool with ITK/VTK/Qt. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 4141-4144	0.9	1
45	Automatic Segmentation of Coronary Artery Lumen via Anisotropic Graph-cuts. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 4871-4874	0.9	1
44	Left ventricle segmentation by dynamic shape constrained random walks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 4723-6	0.9	1
43	DECREASED LEFT VENTRICULAR CONTRACTILITY AND VENTRICULAR-ARTERIAL MATCHING INDEX CORRELATION WITH N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE IN HEART FAILURE. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1540016	0.7	1
42	2014 ,		1
41	Characterization and quantification of curvature using independent coordinates method in the human left ventricle by magnetic resonance imaging to identify the morphology subtype of hypertrophy cardiomyopathy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> ,	0.9	1
40	Assessment of arterial elastance and ventricular-arterial coupling in patients with systemic lupus erythematosus. <i>International Journal of Cardiology</i> , 2014 , 176, 504-5	3.2	1
39	Graph-cuts based reconstructing patient specific right ventricle: first human study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6770-3	0.9	1
38	FSI simulation of intra-ventricular flow in patient-specific ventricular model with both mitral and aortic valves. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 703-6	0.9	1
37	Effects of stenosis on the porcine left anterior descending arterial tree. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3869-72	0.9	1
36	CARDIAC CONTRACTILITY MEASURES OF LEFT VENTRICULAR SYSTOLIC FUNCTIONAL ASSESSMENT OF NORMAL AND DISEASED HEARTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2009 , 09, 555-578	0.7	1
35	Ventricular flow analysis and its association with exertional capacity in repaired tetralogy of Fallot: 4D flow cardiovascular magnetic resonance study.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 4	6.9	1
34	Convalescent COVID-19 patients are susceptible to endothelial dysfunction due to persistent immune activation		1
33	Machine learning versus classical electrocardiographic criteria for echocardiographic left ventricular hypertrophy in a pre-participation cohort. <i>Kardiologia Polska</i> , 2021 , 79, 654-661	0.9	1
32	Age- and Sex-Specific Changes in CMR Feature Tracking-Based Right Atrial and Ventricular Functional Parameters in Healthy Asians. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 664431	5.4	1
31	Feasibility to Perform T * Mapping Postcontrast Administration in Reperfused STEMI Patients for the Detection of Intramyocardial Hemorrhage. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 644-645 ^{5.6}	5.6	1

30	Controversies and discrepancies in the effect of dietary fat and cholesterol on cardiovascular risk. <i>Singapore Medical Journal</i> , 2021 , 62, 56-62	1.9	1
29	Cardiac Image Segmentation Using Memory Persistence Methodology. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 4504-4507	0.9	1
28	N-Terminal pro C-Type Natriuretic Peptide (NTproCNP) and myocardial function in ageing. <i>PLoS ONE</i> , 2018 , 13, e0209517	3.7	1
27	Recent Trends in Artificial Intelligence-Assisted Coronary Atherosclerotic Plaque Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
26	Noninvasive Assessment of Left Ventricular Remodeling: Geometry, Wall Stress, and Function 2010 , 179-196		1
25	Novel Hypertrophic Cardiomyopathy Diagnosis Index Using Deep Features and Local Directional Pattern Techniques.. <i>Journal of Imaging</i> , 2022 , 8,	3.1	1
24	Heart rate variability for medical decision support systems: A review.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105407	7	1
23	A Multi-channel Deep Learning Approach for Segmentation of the Left Ventricular Endocardium from Cardiac Images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 4016-4019	0.9	0
22	Diagnostic Performance of Fractional Flow Reserve From CT Coronary Angiography With Analytical Method. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 739633	5.4	0
21	Investigating 5-Level EQ-5D (EQ-5D-5L) Values Based on Preferences of Patients With Heart Disease.. <i>Value in Health</i> , 2022 , 25, 451-460	3.3	0
20	Reference Ranges for Left Ventricular Curvedness and Curvedness-Based Functional Indices Using Cardiovascular Magnetic Resonance in Healthy Asian Subjects. <i>Scientific Reports</i> , 2020 , 10, 8465	4.9	0
19	Familial Hypercholesterolemia in Asia Pacific: A Review of Epidemiology, Diagnosis, and Management in the Region. <i>Journal of Atherosclerosis and Thrombosis</i> , 2021 , 28, 417-434	4	0
18	Role of Four-Chamber Heart Ultrasound Images in Automatic Assessment of Fetal Heart: A Systematic Understanding. <i>Informatics</i> , 2022 , 9, 34	2.2	0
17	An accurate valvular heart disorders detection model based on a new dual symmetric tree pattern using stethoscope sounds. <i>Computers in Biology and Medicine</i> , 2022 , 105599	7	0
16	PFP-LHCINCA: Pyramidal Fixed-Size Patch-Based Feature Extraction and Chi-Square Iterative Neighborhood Component Analysis for Automated Fetal Sex Classification on Ultrasound Images. <i>Contrast Media and Molecular Imaging</i> , 2022 , 2022, 1-10	3.2	0
15	A new non-invasive index for prognosis evaluation in patients with aortic stenosis. <i>Scientific Reports</i> , 2020 , 10, 7333	4.9	
14	Correcting motion in multiplanar cardiac magnetic resonance images. <i>BioMedical Engineering OnLine</i> , 2016 , 15, 93	4.1	
13	Automatic localization of mitral valve orifice in three-dimensional left cardiac model. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6540-3	0.9	

- 12 Left ventricular regional shape dynamics analysis by three-dimensional cardiac magnetic resonance imaging associated with left ventricular function in first-time myocardial infarction patients. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 5113-6 0.9
- 11 Single-photon emission computed tomography myocardial perfusion imaging-assessed stress perfusion defect severity is associated with mortality independent of ethnicity in an Asian population. *Journal of Nuclear Cardiology*, **2014**, 21, 1148-57 2.1
- 10 GW24-e0413 Pulmonary artery stiffness in patients with heart failure. *Heart*, **2013**, 99, A214.1-A214 5.1
- 9 ASSA13-10-1 Impact of Pre-Existing Coronary Risk Factors on Exercise Outcome. *Heart*, **2013**, 99, A41.3-A42 5.2
- 8 LEFT VENTRICULAR (LV) PRESSURE INCREASE MECHANISM DURING ISOVOLUMIC CONTRACTION, AND DETERMINATION OF THE EQUIVALENT LV MYOCARDIAL FIBERS ORIENTATION **2007**, 165-189
- 7 Determination of the left ventricular myofiber angle analytically and its significance. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2005**, 2005, 5719-22
- 6 Power versus Temperature-Controlled Ablation of Supraventricular Tachycardia. *Asian Cardiovascular and Thoracic Annals*, **2001**, 9, 115-118 0.6
- 5 Cardiac Image Segmentation and Shape Modeling **2019**, 113-140
- 4 Noninvasive Hemodynamic Assessment of the Significance of Coronary Artery Disease **2019**, 283-302
- 3 Anatomy and Physiology of the Heart **2019**, 3-37
- 2 4D Model Reconstruction of Patient-Specific Cardiac Mesh From Segmented Contour Lines. *International Journal of Aerospace and Lightweight Structures (IJALS)*, **2013**, 3, 347
- 1 Left Atrial Phasic Function in Older Adults Is Associated with Fibrotic and Low-Grade Inflammatory Pathways.. *Gerontology*, **2022**, 1-10 5.5