

# Thor Edvardsen

## List of Publications by Year in descending order

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Version: 2024-02-01

418  
papers

42,609  
citations

4658

85  
h-index

2571

195  
g-index

448  
all docs

448  
docs citations

448  
times ranked

30388  
citing authors

#	ARTICLE	IF	CITATIONS
1	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. European Heart Journal, 2020, 41, 407-477.	2.2	4,210
2	Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. Journal of the American Society of Echocardiography, 2016, 29, 277-314.	2.8	3,807
3	2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. European Heart Journal, 2021, 42, 1289-1367.	2.2	3,048
4	Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2016, 17, 1321-1360.	1.2	1,716
5	Recommendations for the echocardiographic assessment of native valvular regurgitation: an executive summary from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2013, 14, 611-644.	1.2	1,298
6	2014 ESC/ESA Guidelines on non-cardiac surgery: cardiovascular assessment and management. European Heart Journal, 2014, 35, 2383-2431.	2.2	1,253
7	Noninvasive Myocardial Strain Measurement by Speckle Tracking Echocardiography. Journal of the American College of Cardiology, 2006, 47, 789-793.	2.8	1,117
8	Expert Consensus for Multimodality Imaging Evaluation of Adult Patients during and after Cancer Therapy: A Report from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. Journal of the American Society of Echocardiography, 2014, 27, 911-939.	2.8	1,051
9	Myocardial Strain by Doppler Echocardiography. Circulation, 2000, 102, 1158-1164.	1.6	1,025
10	Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. European Heart Journal Cardiovascular Imaging, 2018, 19, 591-600.	1.2	891
11	Expert consensus for multimodality imaging evaluation of adult patients during and after cancer therapy: a report from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2014, 15, 1063-1093.	1.2	739
12	Recommendations on the Echocardiographic Assessment of Aortic Valve Stenosis: A Focused Update from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2017, 30, 372-392.	2.8	729
13	New Noninvasive Method for Assessment of Left Ventricular Rotation. Circulation, 2005, 112, 3149-3156.	1.6	645
14	A novel clinical method for quantification of regional left ventricular pressure—strain loop area: a non-invasive index of myocardial work. European Heart Journal, 2012, 33, 724-733.	2.2	517
15	Quantitative Assessment of Intrinsic Regional Myocardial Deformation by Doppler Strain Rate Echocardiography in Humans. Circulation, 2002, 106, 50-56.	1.6	479
16	Standardization of adult transthoracic echocardiography reporting in agreement with recent chamber quantification, diastolic function, and heart valve disease recommendations: an expert consensus document of the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2017, 18, 1301-1310.	1.2	477
17	Recommendations on the echocardiographic assessment of aortic valve stenosis: a focused update from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2017, 18, 254-275.	1.2	469
18	Recommendations for the imaging assessment of prosthetic heart valves: a report from the European Association of Cardiovascular Imaging endorsed by the Chinese Society of Echocardiography, the Inter-American Society of Echocardiography, and the Brazilian Department of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2016, 17, 589-590.	1.2	411

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19	Geometry as a Confounder When Assessing Ventricular Systolic Function. Journal of the American College of Cardiology, 2017, 70, 942-954.	2.8	345
20	Global evaluation of echocardiography in patients with COVID-19. European Heart Journal Cardiovascular Imaging, 2020, 21, 949-958.	1.2	317
21	Expert Consensus for Multi-Modality Imaging Evaluation of Cardiovascular Complications of Radiotherapy in Adults: A Report from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2013, 26, 1013-1032.	2.8	303
22	The clinical use of stress echocardiography in non-ischæmic heart disease: recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2016, 17, 1191-1229.	1.2	300
23	Expert consensus for multi-modality imaging evaluation of cardiovascular complications of radiotherapy in adults: a report from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2013, 14, 721-740.	1.2	278
24	Contraction Pattern of the Systemic Right Ventricle. Journal of the American College of Cardiology, 2007, 49, 2450-2456.	2.8	266
25	Echo-Doppler estimation of left ventricular filling pressure: results of the multicentre EACVI Euro-Filling study. European Heart Journal Cardiovascular Imaging, 2017, 18, 961-968.	1.2	253
26	Mechanical Dispersion Assessed by Myocardial Strain in Patients After Myocardial Infarction for Risk Prediction of Ventricular Arrhythmia. JACC: Cardiovascular Imaging, 2010, 3, 247-256.	5.3	248
27	The Mitral Annulus Disjunction Arrhythmic Syndrome. Journal of the American College of Cardiology, 2018, 72, 1600-1609.	2.8	242
28	Regional myocardial systolic function during acute myocardial ischemia assessed by strain Doppler echocardiography. Journal of the American College of Cardiology, 2001, 37, 726-730.	2.8	239
29	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. European Heart Journal Cardiovascular Imaging, 2020, 21, 592-598.	1.2	237
30	Assessment of wasted myocardial work: a novel method to quantify energy loss due to uncoordinated left ventricular contractions. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H996-H1003.	3.2	235
31	Multi-modality imaging in cancer patients receiving cardiotoxic therapies: a position statement on behalf of the Heart Failure Association (HFA), the European Association of Cardiovascular Imaging (EACVI) and the Cardio-Oncology Council of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2020, 22, 1504-1524.	7.1	234
32	EACVI/EHRA Expert Consensus Document on the role of multi-modality imaging for the evaluation of patients with atrial fibrillation. European Heart Journal Cardiovascular Imaging, 2016, 17, 355-383.	1.2	233
33	Postsystolic Shortening in Ischemic Myocardium. Circulation, 2002, 106, 718-724.	1.6	226
34	Atrial fibrillation and the risk for myocardial infarction, all-cause mortality and heart failure: A systematic review and meta-analysis. European Journal of Preventive Cardiology, 2017, 24, 1555-1566.	1.8	224
35	European Association of Preventive Cardiology (EAPC) and European Association of Cardiovascular Imaging (EACVI) joint position statement: recommendations for the indication and interpretation of cardiovascular imaging in the evaluation of the athlete's heart. European Heart Journal, 2018, 39, 1949-1969.	2.2	224
36	Strain Echocardiography Improves Risk Prediction of Ventricular Arrhythmias After Myocardial Infarction. JACC: Cardiovascular Imaging, 2013, 6, 841-850.	5.3	222

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37	Role of multimodality cardiac imaging in the management of patients with hypertrophic cardiomyopathy: an expert consensus of the European Association of Cardiovascular Imaging Endorsed by the Saudi Heart Association. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 280-280.	1.2	214
38	The Clinical Use of Stress Echocardiography in Non-Ischaemic Heart Disease: Recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 101-138.	2.8	207
39	Vigorous physical activity impairs myocardial function in patients with arrhythmogenic right ventricular cardiomyopathy and in mutation positive family members. <i>European Journal of Heart Failure</i> , 2014, 16, 1337-1344.	7.1	200
40	The multi-modality cardiac imaging approach to the Athlete's heart: an expert consensus of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 353-353r.	1.2	199
41	Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography. <i>Circulation</i> , 2002, 105, 2071-2077.	1.6	186
42	Strain echocardiography is related to fibrosis and ventricular arrhythmias in hypertrophic cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 613-621.	1.2	184
43	Lamin A/C cardiomyopathy: young onset, high penetrance, and frequent need for heart transplantation. <i>European Heart Journal</i> , 2018, 39, 853-860.	2.2	183
44	European Association of Cardiovascular Imaging/Cardiovascular Imaging Department of the Brazilian Society of Cardiology recommendations for the use of cardiac imaging to assess and follow patients after heart transplantation. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 919-948.	1.2	180
45	Clinical practice of contrast echocardiography: recommendation by the European Association of Cardiovascular Imaging (EACVI) 2017. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1205-1205af.	1.2	177
46	Determinants of Left Ventricular Early-Diastolic Lengthening Velocity. <i>Circulation</i> , 2009, 119, 2578-2586.	1.6	173
47	Global longitudinal strain measured by two-dimensional speckle tracking echocardiography is closely related to myocardial infarct size in chronic ischaemic heart disease. <i>Clinical Science</i> , 2007, 113, 287-296.	4.3	167
48	Microvascular obstruction is a major determinant of infarct healing and subsequent left ventricular remodelling following primary percutaneous coronary intervention. <i>European Heart Journal</i> , 2009, 30, 1978-1985.	2.2	163
49	Right ventricular mechanical dispersion is related to malignant arrhythmias: a study of patients with arrhythmogenic right ventricular cardiomyopathy and subclinical right ventricular dysfunction. <i>European Heart Journal</i> , 2011, 32, 1089-1096.	2.2	158
50	Risk Assessment of Ventricular Arrhythmias in Patients with Nonischemic Dilated Cardiomyopathy by Strain Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 667-673.	2.8	156
51	Echocardiographic Evaluation of Hemodynamics in Patients With Decompensated Systolic Heart Failure. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 220-227.	2.6	154
52	Focus cardiac ultrasound: the European Association of Cardiovascular Imaging viewpoint. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 956-960.	1.2	147
53	Effect of Left Ventricular Scar Size, Location, and Transmurality on Left Ventricular Remodeling With Healed Myocardial Infarction. <i>American Journal of Cardiology</i> , 2007, 99, 1109-1114.	1.6	144
54	C-reactive protein, infarct size, microvascular obstruction, and left-ventricular remodelling following acute myocardial infarction. <i>European Heart Journal</i> , 2009, 30, 1180-1186.	2.2	143

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55	Multimodality imaging in patients with heart failure and preserved ejection fraction: an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e34-e61.	1.2	140
56	Recommendations for transoesophageal echocardiography: EACVI update 2014. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 353-365.	1.2	137
57	Systolic Dysfunction in Heart Failure with Normal Ejection Fraction: Speckle-Tracking Echocardiography. <i>Progress in Cardiovascular Diseases</i> , 2006, 49, 207-214.	3.1	136
58	Layer-Specific Quantification of Myocardial Deformation by Strain Echocardiography May Reveal Significant CAD in Patients With Non-ST-Segment Elevation Acute Coronary Syndrome. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 535-544.	5.3	132
59	Left Ventricular Concentric Remodeling Is Associated With Decreased Global and Regional Systolic Function: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2005, 112, 984-991.	1.6	129
60	Left Ventricular Concentric Remodeling Is Associated With Decreased Global and Regional Systolic Function. <i>Circulation</i> , 2005, 112, 984-991.	1.6	128
61	Transmural Differences in Myocardial Contraction in Long-QT Syndrome. <i>Circulation</i> , 2010, 122, 1355-1363.	1.6	125
62	Comprehensive multi-modality imaging approach in arrhythmogenic cardiomyopathy—an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 237-253.	1.2	123
63	Noninvasive Separation of Large, Medium, and Small Myocardial Infarcts in Survivors of Reperfused ST-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2008, 1, 189-196.	2.6	122
64	Indications for cardiovascular magnetic resonance in children with congenital and acquired heart disease: an expert consensus paper of the Imaging Working Group of the AEPC and the Cardiovascular Magnetic Resonance Section of the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 281-297.	1.2	122
65	Global longitudinal strain is a more reproducible measure of left ventricular function than ejection fraction regardless of echocardiographic training. <i>Cardiovascular Ultrasound</i> , 2019, 17, 18.	1.6	122
66	Early Prediction of Infarct Size by Strain Doppler Echocardiography After Coronary Reperfusion. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1715-1721.	2.8	120
67	Left ventricular mechanical dispersion by tissue Doppler imaging: a novel approach for identifying high-risk individuals with long QT syndrome. <i>European Heart Journal</i> , 2008, 30, 330-337.	2.2	119
68	Hypertension and Smoking Are Associated With Reduced Regional Left Ventricular Function in Asymptomatic Individuals. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1150-1158.	2.8	118
69	Diagnostic Capability and Reproducibility of Strain by Doppler and by Speckle Tracking in Patients With Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 24-33.	5.3	118
70	Regional diastolic dysfunction in individuals with left ventricular hypertrophy measured by tagged magnetic resonance imaging—The Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2006, 151, 109-114.	2.7	115
71	The use of echocardiography in acute cardiovascular care: Recommendations of the European Association of Cardiovascular Imaging and the Acute Cardiovascular Care Association. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 119-146.	1.2	115
72	Left ventricular global longitudinal strain is associated with exercise capacity in failing hearts with preserved and reduced ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 217-224.	1.2	111

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73	ESC guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 2 "care pathways, treatment, and follow-up. European Heart Journal, 2022, 43, 1059-1103.	2.2	111
74	Acute coronary occlusion in non-ST-elevation acute coronary syndrome: outcome and early identification by strain echocardiography. Heart, 2010, 96, 1550-1556.	2.9	110
75	The use of echocardiography in acute cardiovascular care: Recommendations of the European Association of Cardiovascular Imaging and the Acute Cardiovascular Care Association. European Heart Journal: Acute Cardiovascular Care, 2015, 4, 3-5.	1.0	105
76	Focus cardiac ultrasound core curriculum and core syllabus of the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2018, 19, 475-481.	1.2	101
77	Optimized implementation of cardiac resynchronization therapy: a call for action for referral and optimization of care. European Journal of Heart Failure, 2020, 22, 2349-2369.	7.1	101
78	Valvular dysfunction and left ventricular changes in Hodgkin's lymphoma survivors. A longitudinal study. British Journal of Cancer, 2009, 101, 575-581.	6.4	97
79	Grading of Myocardial Dysfunction by Tissue Doppler Echocardiography. Journal of the American College of Cardiology, 2006, 47, 1672-1682.	2.8	95
80	Left Ventricular Function Assessed by Two-Dimensional Speckle Tracking Echocardiography in Long-Term Survivors of Hodgkin's Lymphoma Treated by Mediastinal Radiotherapy With or Without Anthracycline Therapy. American Journal of Cardiology, 2011, 107, 472-477.	1.6	95
81	Subclinical Atherosclerosis and Incipient Regional Myocardial Dysfunction in Asymptomatic Individuals. Journal of the American College of Cardiology, 2006, 47, 2420-2428.	2.8	93
82	Normal Reference Ranges for Echocardiography: rationale, study design, and methodology (NORRE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.2	91
83	Strain echocardiographic assessment of left atrial function predicts recurrence of atrial fibrillation. European Heart Journal Cardiovascular Imaging, 2016, 17, 660-667.	1.2	91
84	Multimodality Imaging in Restrictive Cardiomyopathies: An EACVI expert consensus document In collaboration with the "Working Group on myocardial and pericardial diseases" of the European Society of Cardiology Endorsed by The Indian Academy of Echocardiography. European Heart Journal Cardiovascular Imaging, 2017, 18, 1090-1121.	1.2	91
85	Echocardiographic assessment of left ventricular systolic function. Journal of Echocardiography, 2019, 17, 10-16.	0.8	91
86	Risk prediction of ventricular arrhythmias and myocardial function in Lamin A/C mutation positive subjects. Europace, 2014, 16, 563-571.	1.7	88
87	The use of handheld ultrasound devices: a position statement of the European Association of Cardiovascular Imaging (2018 update). European Heart Journal Cardiovascular Imaging, 2019, 20, 245-252.	1.2	87
88	Strain Echocardiography and Wall Motion Score Index Predicts Final Infarct Size in Patients With Non-ST-Segment Elevation Myocardial Infarction. Circulation: Cardiovascular Imaging, 2010, 3, 187-194.	2.6	86
89	Resting Heart Rate as Predictor for Left Ventricular Dysfunction and Heart Failure. Journal of the American College of Cardiology, 2014, 63, 1182-1189.	2.8	86
90	Nadolol decreases the incidence and severity of ventricular arrhythmias during exercise stress testing compared with $\beta_1$ -selective $\beta_2$ -blockers in patients with catecholaminergic polymorphic ventricular tachycardia. Heart Rhythm, 2016, 13, 433-440.	0.7	86

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91	Detection of Left Ventricular Dysfunction by Global Longitudinal Systolic Strain in Patients with Chronic Aortic Regurgitation. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 1253-1259.	2.8	84
92	Prognostic Usefulness of Circulating High-Sensitivity Troponin T in Aortic Stenosis and Relation to Echocardiographic Indexes of Cardiac Function and Anatomy. <i>American Journal of Cardiology</i> , 2011, 108, 88-91.	1.6	81
93	Persistent diastolic dysfunction despite complete systolic functional recovery after reperfused acute myocardial infarction demonstrated by tagged magnetic resonance imaging. <i>European Heart Journal</i> , 2004, 25, 1419-1427.	2.2	80
94	Left ventricular systolic and diastolic function improve after acute myocardial infarction treated with acute percutaneous coronary intervention, but are not influenced by intracoronary injection of autologous mononuclear bone marrow cells: a 3 year serial echocardiographic sub-study of the randomized-controlled ASTAMI study. <i>European Journal of Echocardiography</i> , 2011, 12, 98-106.	2.3	80
95	Noninvasive assessment of myocardial fibrosis in patients with obstructive hypertrophic cardiomyopathy. <i>Heart</i> , 2014, 100, 631-638.	2.9	80
96	European Society of Cardiology guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 1â€”epidemiology, pathophysiology, and diagnosis. <i>European Heart Journal</i> , 2022, 43, 1033-1058.	2.2	80
97	The management of secondary mitral regurgitation in patients with heart failure: a joint position statement from the Heart Failure Association (HFA), European Association of Cardiovascular Imaging (EACVI), European Heart Rhythm Association (EHRA), and European Association of Percutaneous Cardiovascular Interventions (EAPCI) of the ESC. <i>European Heart Journal</i> , 2021, 42, 1254-1269.	2.2	78
98	The benefit of upgrading chronically right ventricleâ€”paced heart failure patients to resynchronization therapy demonstrated by strain rate imaging. <i>Heart Rhythm</i> , 2006, 3, 435-442.	0.7	74
99	Mechanisms of Abnormal Systolic Motion of the Interventricular Septum During Left Bundle-Branch Block. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 264-273.	2.6	74
100	A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1073-1089.	1.2	74
101	Strain echocardiography predicts acute coronary occlusion in patients with non-ST-segment elevation acute coronary syndrome. <i>European Journal of Echocardiography</i> , 2010, 11, 501-508.	2.3	73
102	Mechanisms of novel cardioprotective functions of CCN2/CTGF in myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1291-H1302.	3.2	71
103	Early Assessment of Strain Echocardiography Can Accurately Exclude Significant Coronary Artery Stenosis in Suspected Nonâ€”ST-Segment Elevation Acute Coronary Syndrome. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 512-519.	2.8	71
104	Imaging the adult with congenital heart disease: a multimodality imaging approachâ€”position paper from the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1077-1098.	1.2	71
105	The diagnostic performance of imaging methods in ARVC using the 2010 Task Force criteria. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1219-1225.	1.2	70
106	Harmful Effects of Exercise Intensity and Exercise Duration in Patients With Arrhythmogenicâ€”Cardiomyopathy. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 744-753.	3.2	70
107	Arrhythmogenic right ventricular cardiomyopathy, clinical manifestations, and diagnosis. <i>Europace</i> , 2016, 18, 965-972.	1.7	69
108	Combination of ECG and Echocardiography for Identification of Arrhythmic Events in Early ARVC. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 503-513.	5.3	69

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109	The role of cardiovascular imaging for myocardial injury in hospitalized COVID-19 patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 709-714.	1.2	69
110	Apical Rotation by Speckle Tracking Echocardiography: A Simplified Bedside Index of Left Ventricular Twist. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 1121-1128.	2.8	68
111	Prediction of Life-Threatening Ventricular Arrhythmia in Patients With Arrhythmogenic Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1377-1386.	5.3	68
112	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1187-1197.	1.2	67
113	Duration of Myocardial Early Systolic Lengthening Predicts the Presence of Significant Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1086-1093.	2.8	66
114	Comparison of Left Ventricular Ejection Fraction and Left Ventricular Global Strain as Determinants of Infarct Size in Patients with Acute Myocardial Infarction. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 1232-1238.	2.8	65
115	Multimodality imaging in the diagnosis, risk stratification, and management of patients with dilated cardiomyopathies: an expert consensus document from the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1075-1093.	1.2	65
116	Early Postoperative Left Ventricular Function by Echocardiographic Strain is a Predictor of 1-Year Mortality in Heart Transplant Recipients. <i>Journal of the American Society of Echocardiography</i> , 2012, 25, 1007-1014.	2.8	63
117	Electromechanical window negativity in genotyped long-QT syndrome patients: relation to arrhythmia risk. <i>European Heart Journal</i> , 2015, 36, 179-186.	2.2	63
118	EACVI appropriateness criteria for the use of transthoracic echocardiography in adults: a report of literature and current practice review. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1191-1204.	1.2	63
119	Coronary Artery Atherosclerosis Is Related to Reduced Regional Left Ventricular Function in Individuals Without History of Clinical Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 206-211.	2.4	62
120	Vigorous exercise in patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2018, 250, 157-163.	1.7	61
121	Lower Myocardial Perfusion Reserve Is Associated With Decreased Regional Left Ventricular Function in Asymptomatic Participants of the Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2006, 114, 289-297.	1.6	60
122	High prevalence of exercise-induced arrhythmias in catecholaminergic polymorphic ventricular tachycardia mutation-positive family members diagnosed by cascade genetic screening. <i>Europace</i> , 2010, 12, 417-423.	1.7	59
123	Cardiac Mechanical Alterations and Genotype Specific Differences in Subjects With Long QT Syndrome. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 501-510.	5.3	59
124	Prediction of Ventricular Arrhythmias With Left Ventricular Mechanical Dispersion. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 562-572.	5.3	57
125	Diastolic Flow Pattern in the Normal Left Ventricle. <i>Journal of the American Society of Echocardiography</i> , 1999, 12, 500-507.	2.8	56
126	Late systolic onset of regional LV relaxation demonstrated in three-dimensional space by MRI tissue tagging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1740-H1746.	3.2	56



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127	Brief Group Training of Medical Students in Focused Cardiac Ultrasound May Improve Diagnostic Accuracy of Physical Examination. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1238-1246.	2.8	56
128	Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2287-2296.	8.9	56
129	Artificial Intelligence for Automatic Measurement of Left Ventricular Strain in Echocardiography. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1918-1928.	5.3	56
130	Myocardial Relaxation, Restoring Forces, and Early-Diastolic Load Are Independent Determinants of Left Ventricular Untwisting Rate. <i>Circulation</i> , 2012, 126, 1441-1451.	1.6	55
131	Left ventricular markers of mortality and ventricular arrhythmias in heart failure patients with cardiac resynchronization therapy. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 343-350.	1.2	55
132	Mechanisms of Preejection and Postejecion Velocity Spikes in Left Ventricular Myocardium. <i>Circulation</i> , 2008, 118, 373-380.	1.6	54
133	Intra-aortic balloon counterpulsation as a bridge to heart transplantation does not impair long-term survival. <i>European Journal of Heart Failure</i> , 2009, 11, 709-714.	7.1	54
134	Myocardial Connective Tissue Growth Factor (CCN2/CTGF) Attenuates Left Ventricular Remodeling after Myocardial Infarction. <i>PLoS ONE</i> , 2012, 7, e52120.	2.5	54
135	Acute regional myocardial ischemia identified by 2-dimensional multiregion Doppler imaging tissue technique. <i>Journal of the American Society of Echocardiography</i> , 2000, 13, 986-994.	2.8	52
136	Increased amount of interstitial fibrosis predicts ventricular arrhythmias, and is associated with reduced myocardial septal function in patients with obstructive hypertrophic cardiomyopathy. <i>Europace</i> , 2013, 15, 1319-1327.	1.7	50
137	Multimodality imaging evaluation of Chagas disease: an expert consensus of Brazilian Cardiovascular Imaging Department (DIC) and the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 459-460.	1.2	48
138	Real-Time Automatic Ejection Fraction and Foreshortening Detection Using Deep Learning. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2595-2604.	3.0	48
139	Left Ventricle Longitudinal Deformation Assessment by Mitral Annulus Displacement or Global Longitudinal Strain in Chronic Ischemic Heart Disease: Are They Interchangeable?. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 823-830.	2.8	47
140	Comparison of patients with early-phase arrhythmogenic right ventricular cardiomyopathy and right ventricular outflow tract ventricular tachycardia. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 62-69.	1.2	47
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