Victor Mor-Avi

List of Publications by Year in descending order

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270 papers	29,566 citations	25034 57 h-index	5120 166 g-index
274 all docs	274 docs citations	274 times ranked	22400 citing authors

#	Article	IF	Citations
1	Normal Values of Left Atrial Size and Function and the Impact of Age: Results of the World Alliance Societies of Echocardiography Study. Journal of the American Society of Echocardiography, 2022, 35, 154-164.e3.	2.8	47
2	Utility of transillumination and transparency renderings in 3D transthoracic imaging. International Journal of Cardiovascular Imaging, 2022, 38, 141-147.	1.5	2
3	AI Based CMR Assessment of Biventricular Function. JACC: Cardiovascular Imaging, 2022, 15, 413-427.	5.3	18
4	Comparison of machine learning and deep learning for view identification from cardiac magnetic resonance images. Clinical Imaging, 2022, 82, 121-126.	1.5	10
5	Can echocardiographic assessment of diastolic function be automated?. International Journal of Cardiovascular Imaging, 2022, 38, 965-974.	1.5	3
6	Three-Dimensional Transthoracic Static and Dynamic Normative Values of the Mitral Valve Apparatus: Results from the Multicenter World Alliance Societies of Echocardiography Study. Journal of the American Society of Echocardiography, 2022, 35, 738-751.e1.	2.8	11
7	Normal Values of Left Ventricular Size and Function on Three-Dimensional Echocardiography: Results of the World Alliance Societies of Echocardiography Study. Journal of the American Society of Echocardiography, 2022, 35, 449-459.	2.8	13
8	Assessment of right ventricular size and function from cardiovascular magnetic resonance images using artificial intelligence. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 27.	3.3	11
9	Relation of Myocardial Perfusion Reserve and Left Ventricular Ejection Fraction in Ischemic and Nonischemic Cardiomyopathy. American Journal of Cardiology, 2022, 174, 143-150.	1.6	2
10	Normal Values of Right Atrial Size and Function According to Age, Sex, and Ethnicity: Results of the World Alliance Societies of Echocardiography Study. Journal of the American Society of Echocardiography, 2021, 34, 286-300.	2.8	38
11	Short-Term Ventricular Structural Changes Following Left Ventricular Assist Device Implantation. ASAIO Journal, 2021, 67, 169-176.	1.6	3
12	Impact of Wideband Late Gadolinium Enhancement Cardiac Magnetic Resonance Imaging on Deviceâ€Related Artifacts in Different Implantable <scp>Cardioverterâ€Defibrillator</scp> Types. Journal of Magnetic Resonance Imaging, 2021, 54, 1257-1265.	3.4	8
13	Use of Machine Learning to Improve Echocardiographic Image Interpretation Workflow: A Disruptive Paradigm Change?. Journal of the American Society of Echocardiography, 2021, 34, 443-445.	2.8	14
14	Deep Learningâ€"Based Automated Echocardiographic Quantification of Left Ventricular Ejection Fraction: A Point-of-Care Solution. Circulation: Cardiovascular Imaging, 2021, 14, e012293.	2.6	32
15	Normal Values of Cardiac Output and Stroke Volume According to Measurement Technique, Age, Sex, and Ethnicity: Results of the World Alliance of Societies of Echocardiography Study. Journal of the American Society of Echocardiography, 2021, 34, 1077-1085.e1.	2.8	30
16	The role of computed tomography myocardial perfusion imaging in clinical practice. Journal of Cardiovascular Computed Tomography, 2020, 14, 185-194.	1.3	10
17	Quantitative detection of changes in regional wall motion using real time strain-encoded cardiovascular magnetic resonance. Magnetic Resonance Imaging, 2020, 66, 193-198.	1.8	2
18	Echocardiographic evaluation of the effects of sacubitrilâ€"valsartan on vascular properties in heart failure patients. International Journal of Cardiovascular Imaging, 2020, 36, 271-278.	1.5	4

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19	Three-dimensional echocardiography investigation of the mechanisms of tricuspid annular dilatation. International Journal of Cardiovascular Imaging, 2020, 36, 33-43.	1.5	8
20	Contrast-enhanced echocardiographic measurement of longitudinal strain: accuracy and its relationship with image quality. International Journal of Cardiovascular Imaging, 2020, 36, 431-439.	1.5	5
21	Measurement errors in serial echocardiographic assessments of aortic valve stenosis severity. International Journal of Cardiovascular Imaging, 2020, 36, 471-479.	1.5	14
22	Machine learning based quantification of ejection and filling parameters by fully automated dynamic measurement of left ventricular volumes from cardiac magnetic resonance images. Magnetic Resonance Imaging, 2020, 67, 28-32.	1.8	10
23	Virtual Reality Analysis of Three-Dimensional Echocardiographic and Cardiac Computed Tomographic Data Sets. Journal of the American Society of Echocardiography, 2020, 33, 1306-1315.	2.8	15
24	Improved Delineation of Cardiac Pathology Using a Novel Three-Dimensional Echocardiographic Tissue Transparency Tool. Journal of the American Society of Echocardiography, 2020, 33, 1316-1323.	2.8	31
25	Refining Severe Tricuspid Regurgitation Definition by Echocardiography with a New Outcomes-Based â€œMassiveâ€•Grade. Journal of the American Society of Echocardiography, 2020, 33, 1087-1094.	2.8	33
26	Myocardial strain analysis of the right ventricle: comparison of different cardiovascular magnetic resonance and echocardiographic techniques. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 51.	3.3	23
27	Prevalence of Clinically Important Abnormalities Found on Transthoracic Echocardiography Ordered for Indication of Heart Murmur Found on Physical Examination. Journal of the American Society of Echocardiography, 2020, 33, 900-901.	2.8	4
28	Regional myocardial strain by cardiac magnetic resonance feature tracking for detection of scar in ischemic heart disease. Magnetic Resonance Imaging, 2020, 68, 190-196.	1.8	19
29	Progression of aortic stenosis and echocardiographic criteria for its severity. European Heart Journal Cardiovascular Imaging, 2020, 21, 737-743.	1.2	15
30	A multi-vendor, multi-center study on reproducibility and comparability of fast strain-encoded cardiovascular magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2020, 36, 899-911.	1.5	13
31	Peak left atrial strain as a single measure for the non-invasive assessment of left ventricular filling pressures. International Journal of Cardiovascular Imaging, 2019, 35, 23-32.	1.5	94
32	The Evolution of Three-Dimensional Echocardiography: From the Initial Concept to Real-Time Imaging. , 2019, , 1-8.		0
33	Echocardiography and cardiovascular magnetic resonance based evaluation of myocardial strain and relationship with late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 46.	3.3	54
34	Impact of Severe Pulmonary Arterial Hypertension on the Left Heart and Prognostic Implications. Journal of the American Society of Echocardiography, 2019, 32, 1128-1137.	2.8	20
35	Automated Echocardiographic Quantification of Left Ventricular Ejection Fraction Without Volume Measurements Using a Machine Learning Algorithm Mimicking a Human Expert. Circulation: Cardiovascular Imaging, 2019, 12, e009303.	2.6	110
36	Automated, machine learningâ€based, 3D echocardiographic quantification of left ventricular mass. Echocardiography, 2019, 36, 312-319.	0.9	37

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37	Comparison Between Four-Chamber and Right Ventricularâ€“Focused Views for the Quantitative Evaluation of Right Ventricular Size and Function. Journal of the American Society of Echocardiography, 2019, 32, 484-494.	2.8	50
38	Machine Learningâ€“Based Three-Dimensional Echocardiographic Quantification of Right Ventricular Size and Function: Validation Against Cardiac Magnetic Resonance. Journal of the American Society of Echocardiography, 2019, 32, 969-977.	2.8	76
39	Hemodynamic impact of coronary stenosis using computed tomography: comparison between noninvasive fractional flow reserve and 3D fusion of coronary angiography with stress myocardial perfusion. International Journal of Cardiovascular Imaging, 2019, 35, 1733-1743.	1.5	4
40	3D echocardiographic global longitudinal strain can identify patients with mildly-to-moderately reduced ejection fraction at higher cardiovascular risk. International Journal of Cardiovascular Imaging, 2019, 35, 1573-1579.	1.5	5
41	Improved visualization of the coronary arteries using motion correction during vasodilator stress CT myocardial perfusion imaging. European Journal of Radiology, 2019, 114, 1-5.	2.6	4
42	Feasibility of Cardiac Magnetic Resonance Wideband Protocol in Patients With Implantable Cardioverter Defibrillators and Its Utility for Defining Scar. American Journal of Cardiology, 2019, 123, 1329-1335.	1.6	27
43	First Clinical Experience With 3-Dimensional Echocardiographic Transillumination Rendering. JACC: Cardiovascular Imaging, 2019, 12, 1868-1871.	5.3	35
44	Outflow Cannula Systolic Slope in Patients With Left Ventricular Assist Devices: A Novel Marker of Myocardial Contractility. ASAIO Journal, 2019, 65, 160-166.	1.6	3
45	Echocardiographic Assessment of the Tricuspid Annulus: The Effects of the Third Dimension and Measurement Methodology. Journal of the American Society of Echocardiography, 2019, 32, 238-247.	2.8	23
46	Regression of Cardiac Amyloidosis Following Autologous Stem Cell Transplant in Patients With Atypical Magnetic Resonance Imaging Findings. Revista Espanola De Cardiologia (English Ed), 2019, 72, 790-792.	0.6	0
47	A histopathologic schema to quantify the burden of cardiac amyloidosis: Relationship with survival and echocardiographic parameters. Echocardiography, 2019, 36, 285-291.	0.9	7
48	Machine learning based automated dynamic quantification of left heart chamber volumes. European Heart Journal Cardiovascular Imaging, 2019, 20, 541-549.	1.2	59
49	3-Dimensional Echocardiographic AnalysisÂof the Tricuspid Annulus ProvidesÂNew Insights Into TricuspidÂValveÂGeometry and Dynamics. JACC: Cardiovascular Imaging, 2019, 12, 401-412.	5.3	97
50	Morphologic Analysis of the Normal Right Ventricle Using Three-Dimensional Echocardiographyâ€“Derived Curvature Indices. Journal of the American Society of Echocardiography, 2018, 31, 614-623.	2.8	44
51	Feasibility of Left Ventricular Global Longitudinal Strain Measurements from Contrast-Enhanced Echocardiographic Images. Journal of the American Society of Echocardiography, 2018, 31, 297-303.	2.8	10
52	Fusion of Three-Dimensional Echocardiographic Regional Myocardial Strain with Cardiac Computed Tomography for Noninvasive Evaluation of the Hemodynamic Impact of Coronary Stenosis in Patients with Chest Pain. Journal of the American Society of Echocardiography, 2018, 31, 664-673.	2.8	22
53	3D Morphological Changes in LV and RV During LVAD Ramp Studies. JACC: Cardiovascular Imaging, 2018, 11, 159-169.	5.3	62
54	Three-dimensional echocardiographic quantification of the left-heart chambers using an automated adaptive analytics algorithm: multicentre validation study. European Heart Journal Cardiovascular Imaging, 2018, 19, 47-58.	1.2	91

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55	Invasive Validation of the Echocardiographic Assessment of Left Ventricular Filling Pressures Using the 2016 Diastolic Guidelines: Head-to-Head Comparison with the 2009 Guidelines. Journal of the American Society of Echocardiography, 2018, 31, 79-88.	2.8	102
56	Frequency of Inverted Electrocardiographic T Waves (Cerebral T Waves) in Patients With Acute Strokes and Their Relation to Left Ventricular Wall Motion Abnormalities. American Journal of Cardiology, 2018, 121, 120-124.	1.6	20
57	2D and 3D Echocardiography-Derived Indices of Left Ventricular FunctionÂandÂShape. JACC: Cardiovascular Imaging, 2018, 11, 1569-1579.	5.3	60
58	3-Dimensional Echocardiography. JACC: Cardiovascular Imaging, 2018, 11, 1854-1878.	5.3	73
59	Load Dependency of Left Atrial Strain in Normal Subjects. Journal of the American Society of Echocardiography, 2018, 31, 1221-1228.	2.8	44
60	Residual native left ventricular function optimization using quantitative 3D echocardiographic assessment of rotational mechanics in patients with left ventricular assist devices. Echocardiography, 2018, 35, 1606-1615.	0.9	6
61	Diagnosis of Isolated Cleft Mitral Valve Using Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2018, 31, 1161-1167.	2.8	23
62	Three-Dimensional Echocardiography for Evaluation of the Right Ventricleâ€"Updates on Image Acquisition and Analysis. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.6	1
63	Three-dimensional analysis of regional right ventricular shape and function in repaired tetralogy of Fallot using cardiovascular magnetic resonance. Clinical Imaging, 2018, 52, 106-112.	1.5	12
64	Myocardial perfusion reserve and global longitudinal strain as potential markers of coronary allograft vasculopathy in late-stage orthotopic heart transplantation. International Journal of Cardiovascular Imaging, 2018, 34, 1607-1617.	1.5	21
65	Tricuspid regurgitation progression and regression in pulmonary arterial hypertension: implications for right ventricular and tricuspid valve apparatus geometry and patients outcome. European Heart Journal Cardiovascular Imaging, 2017, 18, 86-94.	1.2	61
66	Reproducibility and experience dependence of echocardiographic indices of left ventricular function: Sideâ€byâ€side comparison of global longitudinal strain and ejection fraction. Echocardiography, 2017, 34, 365-370.	0.9	43
67	3D echocardiographic analysis of aortic annulus for transcatheter aortic valve replacement using novel aortic valve quantification software: Comparison with computed tomography. Echocardiography, 2017, 34, 690-699.	0.9	25
68	LA Strain for Categorization of LVÂDiastolicÂDysfunction. JACC: Cardiovascular Imaging, 2017, 10, 735-743.	5.3	299
69	Multi-parametric quantification of tricuspid regurgitation using cardiovascular magnetic resonance: A comparison to echocardiography. European Journal of Radiology, 2017, 86, 213-220.	2.6	13
70	Quantification of Right Ventricular Size and Function from Contrast-Enhanced Three-Dimensional Echocardiographic Images. Journal of the American Society of Echocardiography, 2017, 30, 1193-1202.	2.8	25
71	Three-Dimensional Echocardiographic Automated Quantification of Left Heart Chamber Volumes Using an Adaptive Analytics Algorithm: Feasibility and Impact of Image Quality in Nonselected Patients. Journal of the American Society of Echocardiography, 2017, 30, 879-885.	2.8	59
72	Atrial-focused views improve the accuracy of two-dimensional echocardiographic measurements of the left and right atrial volumes: a contribution to the increase in normal values in the guidelines update. International Journal of Cardiovascular Imaging, 2017, 33, 209-218.	1.5	24

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73	Transthoracic 3D Echocardiographic LeftÂHeart Chamber Quantification UsingÂan Automated Adaptive AnalyticsÂAlgorithm. JACC: Cardiovascular Imaging, 2016, 9, 769-782.	5.3	171
74	Continuing Medical Education Activity in Echocardiography. Echocardiography, 2016, 33, 695-695.	0.9	0
75	Elongation of chordae tendineae as an adaptive process to reduce mitral regurgitation in functional mitral regurgitation. European Heart Journal Cardiovascular Imaging, 2016, 17, 500-509.	1.2	24
76	Improved detection of myocardial damage in sarcoidosis using longitudinal strain in patients with preserved left ventricular ejection fraction. Echocardiography, 2016, 33, 1344-1352.	0.9	53
77	Screening for Outflow Cannula Malfunction of Left Ventricular Assist Devices (LVADs) With the Use of Doppler Echocardiography: New LVAD-Specific Reference Values for Contemporary Devices. Journal of Cardiac Failure, 2016, 22, 808-814.	1.7	15
78	Non-invasive assessment of the haemodynamic significance of coronary stenosis using fusion of cardiac computed tomography and 3D echocardiography. European Heart Journal Cardiovascular Imaging, 2016, 18, jew147.	1.2	19
79	Novel echocardiographic parameters of aortic insufficiency in continuous-flow left ventricular assist devices and clinical outcome. Journal of Heart and Lung Transplantation, 2016, 35, 976-985.	0.6	43
80	Large high-density lipoprotein particle number is independently associated with microvascular function in patients with well-controlled low-density lipoprotein concentration: A vasodilator stress magnetic resonance perfusion study. Journal of Clinical Lipidology, 2016, 10, 314-322.	1.5	4
81	Update on Computed Tomography Myocardial Perfusion Imaging. Current Cardiovascular Imaging Reports, 2016, 9, 1.	0.6	4
82	Echocardiographic Diagnosis of Acute Pulmonary Embolism in Patients with McConnell's Sign. Echocardiography, 2016, 33, 696-702.	0.9	27
83	Right Heart Involvement in Patients with Sarcoidosis. Echocardiography, 2016, 33, 734-741.	0.9	43
84	Objective selection of short-axis slices for automated quantification of left ventricular size and function by cardiovascular magnetic resonance. Clinical Imaging, 2016, 40, 617-623.	1.5	4
85	Role of Perfusion at Rest in the Diagnosis of Myocardial Infarction Using Vasodilator Stress Cardiovascular Magnetic Resonance. American Journal of Cardiology, 2016, 117, 1072-1077.	1.6	5
86	Prognosis of Myocardial Damage in Sarcoidosis Patients With Preserved Left Ventricular Ejection Fraction. Circulation: Cardiovascular Imaging, 2016, 9, e003738.	2.6	167
87	Abnormalities in aortic properties: a potential link between left ventricular diastolic function and ventriculaâ€"aortic coupling in sickle cell disease. International Journal of Cardiovascular Imaging, 2016, 32, 965-973.	1.5	1
88	Simultaneous Longitudinal Strain in All 4 Cardiac Chambers. Circulation: Cardiovascular Imaging, 2016, 9, e003895.	2.6	28
89	Three-dimensional quantification of myocardial perfusion during regadenoson stress computed tomography. European Journal of Radiology, 2016, 85, 885-892.	2.6	4
90	Comprehensive Two-Dimensional Interrogation of the Tricuspid Valve Using Knowledge Derived from Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2016, 29, 74-82.	2.8	57

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91	Three-dimensional echocardiography-based analysis of right ventricular shape in pulmonary arterial hypertension. European Heart Journal Cardiovascular Imaging, 2016, 17, 564-575.	1.2	63
92	Recommendations for Cardiac Chamber Quantification by Echocardiography in Adults: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 233-271.	1.2	5,352
93	Left ventricular-aortic coupling in sickle cell disease underlies diastolic dysfunction. , 2015, , .		0
94	Three-dimensional echocardiography based evaluation of right ventricular remodeling in patients with pressure overload. , 2015, , .		1
95	Leaflet-Chordal Relations in Patients with Primary and Secondary Mitral Regurgitation. Journal of the American Society of Echocardiography, 2015, 28, 1302-1308.	2.8	6
96	Recommendations for Cardiac Chamber Quantification by Echocardiography in Adults: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. Journal of the American Society of Echocardiography, 2015, 28, 1-39.e14.	2.8	10,755
97	One Size Does Not Fit All. JACC: Cardiovascular Imaging, 2015, 8, 666-668.	5.3	2
98	Novel Approach to Three-Dimensional Echocardiographic Quantification of Right Ventricular Volumes and Function from Focused Views. Journal of the American Society of Echocardiography, 2015, 28, 1222-1231.	2.8	96
99	Semi-automated echocardiographic quantification of right ventricular size and function. International Journal of Cardiovascular Imaging, 2015, 31, 1149-1157.	1.5	16
100	Visualization and Measurement of Mitral Valve Chordae Tendineae Using Three-Dimensional Transesophageal Echocardiography from the Transgastric Approach. Journal of the American Society of Echocardiography, 2015, 28, 449-454.	2.8	18
101	Semi-quantitative assessment of resting perfusion in chronic myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P129.	3.3	0
102	Three-dimensional changes in regional right ventricular curvature and function in tetralogy of fallot. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P214.	3.3	0
103	Objective selection of short-axis slices for automated quantification of left ventricular size and function by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
104	Diagnostic performance of regadenoson stress CMR for detection of coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
105	Right Ventricular Strain in Pulmonary Arterial Hypertension: A 2D Echocardiography and Cardiac Magnetic Resonance Study. Echocardiography, 2015, 32, 257-263.	0.9	46
106	Authorsâ€™ Reply. Journal of the American Society of Echocardiography, 2015, 28, 850-851.	2.8	1
107	Sample Size and Cost Analysis for Pulmonary Arterial Hypertension Drug Trials Using Various Imaging Modalities to Assess Right Ventricular Size and Function End Points. Circulation: Cardiovascular Imaging, 2014, 7, 115-124.	2.6	40
108	3D Echocardiographic Location of Implantable Device Leads and Mechanism of Associated Tricuspid Regurgitation. JACC: Cardiovascular Imaging, 2014, 7, 337-347.	5.3	97

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109	Analysis of myocardial perfusion from vasodilator stress computed tomography: Does improvement in image quality by iterative reconstruction lead to improved diagnostic accuracy?. Journal of Cardiovascular Computed Tomography, 2014, 8, 238-245.	1.3	20
110	Age-Related Normal Range of Left Ventricular Strain and Torsion Using Three-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 55-64.	2.8	149
111	Impact of Implantable Transvenous Device Lead Location on Severity of Tricuspid Regurgitation. Journal of the American Society of Echocardiography, 2014, 27, 1164-1175.	2.8	44
112	A New Definition for an Old Entity: Improved Definition of Mitral Valve Prolapse Using Three-Dimensional Echocardiography and Color-Coded Parametric Models. Journal of the American Society of Echocardiography, 2014, 27, 8-16.	2.8	27
113	Comparison of Twelve-Lead Electrocardiogram Using a Glove-Based Recording System With Standard Methodology. American Journal of Cardiology, 2013, 112, 895-903.	1.6	2
114	Prognostic value of normal regadenoson stress perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 108.	3.3	23
115	Three-dimensional echocardiographic quantitative evaluation of left ventricular diastolic function using analysis of chamber volume and myocardial deformation. International Journal of Cardiovascular Imaging, 2013, 29, 285-293.	1.5	16
116	Is Echocardiography Reliable for Monitoring the Adverse Cardiac Effects of Chemotherapy?. Journal of the American College of Cardiology, 2013, 61, 85-87.	2.8	37
117	Three-Dimensional Modeling of the Right Ventricle from Two-Dimensional Transthoracic Echocardiographic Images: Utility of Knowledge-Based Reconstruction in Pulmonary Arterial Hypertension. Journal of the American Society of Echocardiography, 2013, 26, 860-867.	2.8	33
118	Myocardial Perfusion Imaging with Cardiac Computed Tomography: State of the Art. Journal of Cardiovascular Translational Research, 2013, 6, 695-707.	2.4	10
119	Aortic annulus measurements: should we use multislice computed tomography, 3D echocardiography or MRI?. Expert Review of Cardiovascular Therapy, 2013, 11, 1-3.	1.5	2
120	Accuracy of aortic annular measurements obtained from three-dimensional echocardiography, CT and MRI: human in vitro and in vivo studies. Heart, 2012, 98, 1146-1152.	2.9	84
121	Myocardial Perfusion: Near-automated Evaluation from Contrast-enhanced MR Images Obtained at Rest and during Vasodilator Stress. Radiology, 2012, 265, 576-583.	7.3	35
122	Quantitative Three-Dimensional Evaluation of Myocardial Perfusion During Regadenoson Stress Using Multidetector Computed Tomography. Journal of Computer Assisted Tomography, 2012, 36, 443-449.	0.9	16
123	Evaluation of Myocardial Deformation in Patients with Sickle Cell Disease and Preserved Ejection Fraction Using Threeâ€Dimensional Speckle Tracking Echocardiography. Echocardiography, 2012, 29, 962-969.	0.9	33
124	Quantification of Left Ventricular Size and Function Using Contrast-Enhanced Real-Time 3D Imaging with Power Modulation: Comparison with Cardiac MRI. Ultrasound in Medicine and Biology, 2012, 38, 1853-1858.	1.5	12
125	Noninvasive Estimation of Left Ventricular Compliance Using Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2012, 25, 661-666.	2.8	11
126	Late gadolinium enhancement cardiovascular magnetic resonance predicts clinical worsening in patients with pulmonary hypertension. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 14.	3.3	187

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127	Considerations when measuring myocardial perfusion reserve by cardiovascular magnetic resonance using regadenoson. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 89.	3.3	37
128	Real-Time 3D Echocardiographic Quantification of Left Atrial Volume. JACC: Cardiovascular Imaging, 2012, 5, 769-777.	5.3	192
129	Are Trabeculae and Papillary Muscles an Integral Part of Cardiac Anatomy. JACC: Cardiovascular Imaging, 2012, 5, 1124-1126.	5.3	5
130	Bicuspid Aortic Valve: Inter-Racial Difference in Frequency and Aortic Dimensions. JACC: Cardiovascular Imaging, 2012, 5, 981-989.	5.3	60
131	Effects of Frame Rate on Three-Dimensional Speckle-Trackingâ€“Based Measurements of Myocardial Deformation. Journal of the American Society of Echocardiography, 2012, 25, 978-985.	2.8	85
132	DeformaÃ§Ã£o miocÃ¡rdica pelo speckle tracking na cardiomiopatia dilatada grave. Arquivos Brasileiros De Cardiologia, 2012, 99, 834-843.	0.8	13
133	Regadenoson cardiovascular magnetic resonance myocardial perfusion imaging predicts need for future revascularization. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	2
134	Three-dimensional analysis of interventricular septal curvature from cardiac magnetic resonance images for the evaluation of patients with pulmonary hypertension. International Journal of Cardiovascular Imaging, 2012, 28, 1073-1085.	1.5	26
135	Assessment of Right Ventricular Function Using Echocardiographic Speckle Tracking of the Tricuspid Annular Motion: Comparison with Cardiac Magnetic Resonance. Echocardiography, 2012, 29, 19-24.	0.9	52
136	A Suggested Roadmap for Cardiovascular Ultrasound Research for the Future. Journal of the American Society of Echocardiography, 2011, 24, 455-464.	2.8	50
137	Age- and Gender-Dependency of Left Ventricular Geometry Assessed with Real-Time Three-Dimensional Transthoracic Echocardiography. Journal of the American Society of Echocardiography, 2011, 24, 541-547.	2.8	69
138	Reproducibility and Inter-Vendor Variability of Left Ventricular Deformation Measurements by Three-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2011, 24, 878-885.	2.8	141
139	Valvular Heart Disease. Journal of the American College of Cardiology, 2011, 58, 1933-1944.	2.8	113
140	Detection of myocardial perfusion abnormalities using ultra-low radiation dose regadenoson stress multidetector computed tomography. Journal of Cardiovascular Computed Tomography, 2011, 5, 247-254.	1.3	35
141	Current and Evolving Echocardiographic Techniques for the Quantitative Evaluation of Cardiac Mechanics: ASE/EAE Consensus Statement on Methodology and Indications. Journal of the American Society of Echocardiography, 2011, 24, 277-313.	2.8	1,026
142	The Value of Three-Dimensional Echocardiography Derived Mitral Valve Parametric Maps and the Role of Experience in the Diagnosis of Pathology. Journal of the American Society of Echocardiography, 2011, 24, 860-867.	2.8	39
143	Current and Evolving Echocardiographic Techniques for the Quantitative Evaluation of Cardiac Mechanics: ASE/EAE Consensus Statement on Methodology and Indications Endorsed by the Japanese Society of Echocardiography. European Journal of Echocardiography, 2011, 12, 167-205.	2.3	796
144	Three-dimensional analysis of regional left ventricular endocardial curvature from cardiac magnetic resonance images. Magnetic Resonance Imaging, 2011, 29, 516-524.	1.8	14

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145	Characterization of Degenerative Mitral Valve Disease Using Morphologic Analysis of Real-Time Three-Dimensional Echocardiographic Images. Circulation: Cardiovascular Imaging, 2011, 4, 24-32.	2.6	153
146	A three-dimensional insight into the complexity of flow convergence in mitral regurgitation: adjunctive benefit of anatomic regurgitant orifice area. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1015-H1024.	3.2	59
147	Noninvasive quantification of left ventricular elastance and ventricular-arterial coupling using three-dimensional echocardiography and arterial tonometry. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1916-H1923.	3.2	33
148	Three-Dimensional Transthoracic and Transesophageal Echocardiography. , 2011, , 381-385.		0
149	Assessment of the Aortic Root Using Real-Time 3D Transesophageal Echocardiography. Circulation Journal, 2010, 74, 2649-2657.	1.6	87
150	Volumetric quantification of myocardial perfusion using analysis of multi-detector computed tomography 3D datasets: comparison with nuclear perfusion imaging. European Radiology, 2010, 20, 337-347.	4.5	21
151	Reasons for Nonadherence to Guidelines for Aortic Valve Replacement in Patients With Severe Aortic Stenosis and Potential Solutions. American Journal of Cardiology, 2010, 105, 1339-1342.	1.6	59
152	Serial Changes in Left Ventricular Shape Following Early Mitral Valve Repair. American Journal of Cardiology, 2010, 106, 836-842.	1.6	36
153	Feasibility of automated frame-by-frame myocardial segmentation as a basis for quantification of first-pass perfusion images. Journal of Cardiovascular Magnetic Resonance, 2010, 12, .	3.3	0
154	Rapid Estimation of Left Ventricular Function Using Echocardiographic Speckle-Tracking of Mitral Annular Displacement. Journal of the American Society of Echocardiography, 2010, 23, 511-515.	2.8	50
155	Imaging the Forgotten Chamber: Is the Devil in the Boundary?. Journal of the American Society of Echocardiography, 2010, 23, 141-143.	2.8	24
156	Multimodality Comparison of Quantitative Volumetric Analysis of the Right Ventricle. JACC: Cardiovascular Imaging, 2010, 3, 10-18.	5.3	228
157	Advanced Evaluation of LV Function with 3D Echocardiography. , 2010, , 45-53.		0
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