Eike Nagel

List of Publications by Year
in descending order

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403	26,523	8732 75	7136 153
papers	citations	h-index	g-index

435	435	435	17255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Outcomes of Cardiovascular Magnetic Resonance Imaging in Patients Recently Recovered From Coronavirus Disease 2019 (COVID-19). JAMA Cardiology, 2020, 5, 1265.	3.0	1,659
2	Coronary Magnetic Resonance Angiography for the Detection of Coronary Stenoses. New England Journal of Medicine, 2001, 345, 1863-1869.	13.9	1,281
3	Standardized image interpretation and post processing in cardiovascular magnetic resonance: Society for Cardiovascular Magnetic Resonance (SCMR) Board of Trustees Task Force on Standardized Post Processing. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 35.	1.6	1,037
4	How to diagnose heart failure with preserved ejection fraction: the HFAâ€“PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). European Heart Journal, 2019, 40, 3297-3317.	1.0	944
5	Noninvasive Diagnosis of Ischemia-Induced Wall Motion Abnormalities With the Use of High-Dose Dobutamine Stress MRI. Circulation, 1999, 99, 763-770.	1.6	745
6	Standardized cardiovascular magnetic resonance (CMR) protocols 2013 update. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 91.	1.6	599
7	Magnetic Resonance Perfusion Measurements for the Noninvasive Detection of Coronary Artery Disease. Circulation, 2003, 108, 432-437.	1.6	587
8	Comparison of Myocardial Infarct Size Assessed With Contrast-Enhanced Magnetic Resonance Imaging and Left Ventricular Function and Volumes to Predict Mortality in Patients With Healed Myocardial Infarction. American Journal of Cardiology, 2007, 100, 930-936.	0.7	568
9	Standardized cardiovascular magnetic resonance imaging (CMR) protocols: 2020 update. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 17.	1.6	550
10	Noninvasive Detection of Myocardial Ischemia From Perfusion Reserve Based on Cardiovascular Magnetic Resonance. Circulation, 2000, 101, 1379-1383.	1.6	539
11	Standardized cardiovascular magnetic resonance imaging (CMR) protocols, society for cardiovascular magnetic resonance: board of trustees task force on standardized protocols. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 35.	1.6	528
12	Prognostic Value of Cardiac Magnetic Resonance Stress Tests. Circulation, 2007, 115, 1769-1776.	1.6	494
13	Standardized image interpretation and post-processing in cardiovascular magnetic resonance - 2020 update. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 19.	1.6	467
14	Diagnostic Performance of Noninvasive Myocardial Perfusion Imaging Using Single-Photon Emission Computed Tomography, Cardiac Magnetic Resonance, and Positron Emission Tomography Imaging for the Detection of Obstructive Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 59, 1719-1728.	1.2	402
15	Native T1 Mapping in Differentiation of Normal Myocardium From Diffuse Disease in Hypertrophic and Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2013, 6, 475-484.	2.3	386
16	T1-Mapping and Outcome in NonischemicÂCardiomyopathy. JACC: Cardiovascular Imaging, 2016, 9, 40-50.	2.3	380
17	Tissue Tracking Technology for Assessing Cardiac Mechanics. JACC: Cardiovascular Imaging, 2015, 8, 1444-1460.	2.3	343
18	Magnetic Resonance Imaging Analysis of Right Ventricular Pressure-Volume Loops. Circulation, 2004, 110, 2010-2016.	1.6	341

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19	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. New England Journal of Medicine, 2019, 380, 2418-2428.	13.9	326
20	Diagnostic Accuracy of Stress Myocardial Perfusion Imaging Compared to Invasive Coronary Angiography With Fractional Flow Reserve Meta-Analysis. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	314
21	Comparison of Dobutamine Stress Magnetic Resonance, Adenosine Stress Magnetic Resonance, and Adenosine Stress Magnetic Resonance Perfusion. Circulation, 2004, 110, 835-842.	1.6	298
22	Magnetic Resonance Low-Dose Dobutamine Test Is Superior to Scar Quantification for the Prediction of Functional Recovery. Circulation, 2004, 109, 2172-2174.	1.6	291
23	Principles of cardiovascular magnetic resonance feature tracking and echocardiographic speckle tracking for informed clinical use. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 51.	1.6	279
24	Reference values for healthy human myocardium using a T1 mapping methodology: results from the International T1 Multicenter cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 69.	1.6	262
25	T1 Mapping in Characterizing Myocardial Disease. Circulation Research, 2016, 119, 277-299.	2.0	241
26	European cardiovascular magnetic resonance (EuroCMR) registry â€“ multi national results from 57 centers in 15 countries. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 9.	1.6	208
27	Quantification of Absolute Myocardial Perfusion in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 60, 1546-1555.	1.2	206
28	Functional cardiac MR imaging with steady-state free precession (SSFP) significantly improves endocardial border delineation without contrast agents. Journal of Magnetic Resonance Imaging, 2001, 14, 362-367.	1.9	205
29	Inter-study reproducibility of cardiovascular magnetic resonance myocardial feature tracking. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 34.	1.6	200
30	T1 Mapping in Discrimination of Hypertrophic Phenotypes: Hypertensive Heart Disease and Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	200
31	How to diagnose heart failure with preserved ejection fraction: the HFAâ€“PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2020, 22, 391-412.	2.9	193
32	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 46.	1.6	188
33	High-Resolution Magnetic Resonance Myocardial Perfusion Imaging at 3.0-Tesla to Detect Hemodynamically Significant Coronary Stenoses as Determined by Fractional Flow Reserve. Journal of the American College of Cardiology, 2011, 57, 70-75.	1.2	183
34	Native Myocardial T1 Mapping by Cardiovascular Magnetic Resonance Imaging in Subclinical Cardiomyopathy in Patients With Systemic Lupus Erythematosus. Circulation: Cardiovascular Imaging, 2013, 6, 295-301.	1.3	178
35	Native T1 in Discrimination of Acute and Convalescent Stages in Patients With ClinicalÂDiagnosis of Myocarditis. JACC: Cardiovascular Imaging, 2015, 8, 37-46.	2.3	177
36	MR imaging of thrombi using EP-2104R, a fibrin-specific contrast agent: initial results in patients. European Radiology, 2008, 18, 1995-2005.	2.3	176

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37	Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 5.	1.6	174
38	EuroCMR (European Cardiovascular Magnetic Resonance) Registry. Journal of the American College of Cardiology, 2009, 54, 1457-1466.	1.2	174
39	Comparative Definitions for Moderate-Severe Ischemia in Stress Nuclear, Echocardiography, and Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2014, 7, 593-604.	2.3	168
40	Safety and feasibility of high-dose dobutamine-atropine stress cardiovascular magnetic resonance for diagnosis of myocardial ischaemia: experience in 1000 consecutive cases. European Heart Journal, 2004, 25, 1230-1236.	1.0	167
41	Assessment of atherosclerotic plaque burden with an elastin-specific magnetic resonance contrast agent. Nature Medicine, 2011, 17, 383-388.	15.2	161
42	Prognostic Value of Myocardial Infarct Size and Contractile Reserve Using Magnetic Resonance Imaging. Journal of the American College of Cardiology, 2009, 54, 1770-1777.	1.2	156
43	Epicardial adipose tissue is an independent predictor of coronary atherosclerotic burden. International Journal of Cardiology, 2012, 158, 26-32.	0.8	149
44	Direct Comparison of Cardiac Magnetic Resonance and Multidetector Computed Tomography Stress-Rest Perfusion Imaging for Detection of Coronary Artery Disease. Journal of the American College of Cardiology, 2013, 61, 1099-1107.	1.2	147
45	Effect of Left Ventricular Scar Size, Location, and Transmurality on Left Ventricular Remodeling With Healed Myocardial Infarction. American Journal of Cardiology, 2007, 99, 1109-1114.	0.7	144
46	Coronary Arterial Stents: Safety and Artifacts during MR Imaging. Radiology, 2000, 216, 781-787.	3.6	143
47	Quantification of LV function and mass by cardiovascular magnetic resonance: multi-center variability and consensus contours. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 63.	1.6	135
48	Standardization of T1 measurements with MOLLI in differentiation between health and disease â€“ the ConSept study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 78.	1.6	133
49	Improvement of myocardial perfusion reserve early after coronary intervention: assessment with cardiac magnetic resonance imaging. Journal of the American College of Cardiology, 2000, 36, 1557-1564.	1.2	130
50	Rapid and complete coronary arterial tree visualization with magnetic resonance imaging: feasibility and diagnostic performance. European Heart Journal, 2005, 26, 2313-2319.	1.0	130
51	T1 and T2 Mapping in Recognition of Early Cardiac Involvement in Systemic Sarcoidosis. Radiology, 2017, 285, 63-72.	3.6	126
52	Cardiovascular magnetic resonance myocardial feature tracking detects quantitative wall motion during dobutamine stress. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 58.	1.6	121
53	The intra-observer reproducibility of cardiovascular magnetic resonance myocardial feature tracking strain assessment is independent of field strength. European Journal of Radiology, 2013, 82, 296-301.	1.2	121
54	Cardiac Magnetic Resonance Imaging Findings and the Risk of Cardiovascular Events in Patients With Recent Myocardial Infarction or Suspected or Known Coronary Artery Disease. Journal of the American College of Cardiology, 2014, 63, 1031-1045.	1.2	117

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55	Cardiovascular magnetic resonance in rheumatology: Current status and recommendations for use. International Journal of Cardiology, 2016, 217, 135-148.	0.8	114
56	The influence of myocardial blood flow and volume of distribution on late Gd-DTPA kinetics in ischemic heart failure. Journal of Magnetic Resonance Imaging, 2004, 20, 588-594.	1.9	113
57	Quantification in cardiac MRI: advances in image acquisition and processing. International Journal of Cardiovascular Imaging, 2010, 26, 27-40.	0.7	112
58	Improved Accuracy of Quantitative Assessment of Left Ventricular Volume and Ejection Fraction by Geometric Models with Steady-State Free Precession. Journal of Cardiovascular Magnetic Resonance, 2002, 4, 327-339.	1.6	109
59	Comparison of magnetic resonance real-time imaging of left ventricular function with conventional magnetic resonance imaging and echocardiography. American Journal of Cardiology, 2001, 87, 95-99.	0.7	104
60	Validation of Dynamic 3-Dimensional Whole Heart Magnetic Resonance Myocardial Perfusion Imaging Against Fractional Flow Reserve for the Detection of Significant Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 60, 756-765.	1.2	103
61	Society for Cardiovascular Magnetic Resonance (SCMR) expert consensus for CMR imaging endpoints in clinical research: part I - analytical validation and clinical qualification. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 67.	1.6	101
62	Native T1 and ECV of Noninfarcted Myocardium and Outcome in Patients WithÂCoronary ArteryÂDisease. Journal of the American College of Cardiology, 2018, 71, 766-778.	1.2	100
63	Cardiovascular magnetic resonance myocardial feature tracking for quantitative viability assessment in ischemic cardiomyopathy. International Journal of Cardiology, 2013, 166, 413-420.	0.8	97
64	Imaging in the Management of Ischemic Cardiomyopathy. Journal of the American College of Cardiology, 2012, 59, 359-370.	1.2	95
65	Determination of interobserver variability for identifying inducible left ventricular wall motion abnormalities during dobutamine stress magnetic resonance imaging. European Heart Journal, 2006, 27, 1459-1464.	1.0	92
66	Development of a universal dual-bolus injection scheme for the quantitative assessment of myocardial perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 28.	1.6	92
67	Use of Cardiovascular Magnetic Resonance Imaging in Acute Coronary Syndromes. Circulation, 2009, 119, 1671-1681.	1.6	90
68	Cardiac rotation and relaxation after anterolateral myocardial infarction. Coronary Artery Disease, 2000, 11, 261-267.	0.3	88
69	Coronary MR Imaging: Breath-hold Capability and Patterns, Coronary Artery Rest Periods, and Î²-Blocker Use. Radiology, 2006, 239, 71-78.	3.6	88
70	Noninvasive Determination of Coronary Blood Flow Velocity With Cardiovascular Magnetic Resonance in Patients After Stent Deployment. Circulation, 2003, 107, 1738-1743.	1.6	87
71	Design and rationale of the MR-INFORM study: stress perfusion cardiovascular magnetic resonance imaging to guide the management of patients with stable coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 77.	1.6	82
72	High-Dose Dobutamine-Atropine Stress Cardiovascular MR Imaging after Coronary Revascularization in Patients with Wall Motion Abnormalities at Rest. Radiology, 2004, 233, 210-216.	3.6	81

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73	Appearance of microvascular obstruction on high resolution first-pass perfusion, early and late gadolinium enhancement CMR in patients with acute myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 33.	1.6	81
74	Coronary MR Angiography with Steady-State Free Precession: Individually Adapted Breath-hold Technique versus Free-breathing Technique. Radiology, 2004, 232, 669-676.	3.6	80
75	Magnetic Resonance Imagingâ€“Guided Balloon Angioplasty of Coarctation of the Aorta. Circulation, 2006, 113, 1093-1100.	1.6	80
76	Native T1 and T2 mapping by CMR in lupus myocarditis: Disease recognition and response to treatment. International Journal of Cardiology, 2016, 222, 717-726.	0.8	75
77	Coronary Arteries: Contrast-enhanced MR Imaging with SH L 643Aâ€”Experience in 12 Volunteers. Radiology, 2003, 229, 217-223.	3.6	74
78	Optimization of realtime adaptive navigator correction for 3D magnetic resonance coronary angiography. Magnetic Resonance in Medicine, 1999, 42, 408-411.	1.9	73
79	Minimizing Risk of Nephrogenic systemic fibrosis in Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 29.	1.6	73
80	Stress Cardiovascular Magnetic Resonance: Consensus Panel Report. Journal of Cardiovascular Magnetic Resonance, 2001, 3, 267-281.	1.6	73
81	Visualization of the Cardiac Venous System Using Cardiac Magnetic Resonance. American Journal of Cardiology, 2008, 101, 407-412.	0.7	72
82	Acute Adverse Reactions to Gadolinium-Based Contrast Agents in CMR. JACC: Cardiovascular Imaging, 2011, 4, 1171-1176.	2.3	71
83	Performance of a new gadolinium-based intravascular contrast agent in free-breathing inversion-recovery 3D coronary MRA. Magnetic Resonance in Medicine, 2003, 49, 115-121.	1.9	70
84	Assessment of Coronary Artery Stenosis Severity and Location. JACC: Cardiovascular Imaging, 2013, 6, 600-609.	2.3	65
85	Combined magnetic resonance coronary artery imaging, myocardial perfusion and late gadolinium enhancement in patients with suspected coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 45.	1.6	64
86	MR Imaging of Coronary Arteries and Plaques. JACC: Cardiovascular Imaging, 2016, 9, 306-316.	2.3	64
87	Function: Magnetic Resonance Real-Time Imaging for the Evaluation of Left Ventricular Function. Journal of Cardiovascular Magnetic Resonance, 2000, 2, 7-14.	1.6	63
88	Magnetic resonance imaging-guided transcatheter implantation of a prosthetic valve in aortic valve position:. Journal of the American College of Cardiology, 2004, 44, 2247-2249.	1.2	63
89	Noninvasive determination of coronary blood flow velocity with magnetic resonance imaging: Comparison of breath-hold and navigator techniques with intravascular ultrasound. Magnetic Resonance in Medicine, 1999, 41, 544-549.	1.9	62
90	Comparison of different MRI techniques for the assessment of thoracic aortic pathology: 3D contrast enhanced MR angiography, turbo spin echo and balanced steady state free precession. International Journal of Cardiovascular Imaging, 2007, 23, 747-756.	0.7	61

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91	Mechanism of Late Gadolinium Enhancement in Patients with Acute Myocardial Infarction. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 653-658.	1.6	60
92	CMR imaging biosignature of cardiac involvement due to cancer-related treatment by T1 and T2 mapping. International Journal of Cardiology, 2019, 275, 179-186.	0.8	60
93	Diagnostic Performance of Myocardial Perfusion MR at 3 T in Patients with Coronary Artery Disease. Radiology, 2008, 247, 57-63.	3.6	59
94	Assessment of acute myocardial infarction: current status and recommendations from the North American society for cardiovascular imaging and the European society of cardiac radiology. International Journal of Cardiovascular Imaging, 2011, 27, 7-24.	0.7	59
95	Magnetic resonance stress tagging in ischemic heart disease. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2708-H2714.	1.5	58
96	Quantification of atrial dynamics using cardiovascular magnetic resonance: inter-study reproducibility. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 36.	1.6	58
97	Multicenter Evaluation of Dynamic Three-Dimensional Magnetic Resonance Myocardial Perfusion Imaging for the Detection of Coronary Artery Disease Defined by Fractional Flow Reserve. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	58
98	Left ventricular chamber dimensions and wall thickness by cardiovascular magnetic resonance: comparison with transthoracic echocardiography. European Heart Journal Cardiovascular Imaging, 2013, 14, 240-246.	0.5	56
99	Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. IEEE Transactions on Medical Imaging, 2017, 36, 2287-2296.	5.4	56
100	Comparison of MOLLI, shMOLLLI, and SASHA in discrimination between health and disease and relationship with histologically derived collagen volume fraction. European Heart Journal Cardiovascular Imaging, 2018, 19, 768-776.	0.5	56
101	Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic. JACC: Cardiovascular Imaging, 2020, 13, 1615-1626.	2.3	56
102	Real-Time MR Image Acquisition during High-Dose Dobutamine Hydrochloride Stress for Detecting Left Ventricular Wall-Motion Abnormalities in Patients with Coronary Arterial Disease. Radiology, 2002, 224, 845-851.	3.6	54
103	Improved three-dimensional free-breathing coronary magnetic resonance angiography using gadocoletic acid (B-22956) for intravascular contrast enhancement. Journal of Magnetic Resonance Imaging, 2004, 20, 288-293.	1.9	53
104	Accelerated 4D Dobutamine Stress MR Imaging with k-t BLAST: Feasibility and Diagnostic Performance. Radiology, 2006, 241, 718-728.	3.6	52
105	Assessment of Tissue Perfusion in the Lower Limb. Circulation: Cardiovascular Imaging, 2014, 7, 836-843.	1.3	51
106	CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. JACC: Cardiovascular Imaging, 2016, 9, 1338-1348.	2.3	51
107	Four-dimensional single breathhold magnetic resonance imaging usingkt-BLAST enables reliable assessment of left- and right-ventricular volumes and mass. Journal of Magnetic Resonance Imaging, 2007, 25, 737-742.	1.9	50
108	Aortic Stiffness and Interstitial Myocardial Fibrosis by Native T1 Are Independently Associated With Left Ventricular Remodeling in Patients With Dilated Cardiomyopathy. Hypertension, 2014, 64, 762-768.	1.3	50

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109	COVID-19 myocarditis and prospective heart failure burden. Expert Review of Cardiovascular Therapy, 2021, 19, 5-14.	0.6	50
110	CAD Detection in Patients With Intermediate-High Pre-Test Probability. JACC: Cardiovascular Imaging, 2013, 6, 1062-1071.	2.3	49
111	Inter-study reproducibility of left ventricular torsion and torsion rate quantification using MR myocardial feature tracking. Journal of Magnetic Resonance Imaging, 2016, 43, 128-137.	1.9	49
112	Firstâ€pass contrastâ€enhanced myocardial perfusion MRI in mice on a 3â€T clinical MR scanner. Magnetic Resonance in Medicine, 2010, 64, 1592-1598.	1.9	48
113	Copeptin as a prognostic factor for major adverse cardiovascular events in patients with coronary artery disease. International Journal of Cardiology, 2012, 162, 27-32.	0.8	48
114	High-sensitive troponin is associated with subclinical imaging biosignature of inflammatory cardiovascular involvement in systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2018, 77, 1590-1598.	0.5	48
115	Training and accreditation in cardiovascular magnetic resonance in Europe: a position statement of the working group on cardiovascular magnetic resonance of the European Society of Cardiology. European Heart Journal, 2011, 32, 793-798.	1.0	46
116	Coronary Vessel Wall Contrast Enhancement Imaging as a Potential DirectÂMarker of Coronary Involvement. JACC: Cardiovascular Imaging, 2014, 7, 762-770.	2.3	46
117	An isolated perfused pig heart model for the development, validation and translation of novel cardiovascular magnetic resonance techniques. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 53.	1.6	43
118	SCMR President's Page. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 1.	1.6	43
119	Perfusion phantom: An efficient and reproducible method to simulate myocardial firstâ€pass perfusion measurements with cardiovascular magnetic resonance. Magnetic Resonance in Medicine, 2013, 69, 698-707.	1.9	43
120	Microvascular ischemia in hypertrophic cardiomyopathy: new insights from high-resolution combined quantification of perfusion and late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 4.	1.6	43
121	Cardiac magnetic resonance imaging to guide complex revascularization in stable coronary artery disease. European Heart Journal, 2010, 31, 2209-2215.	1.0	42
122	Elevated Plasma Levels of Neuropeptide Proenkephalin A Predict Mortality and Functional Outcome in Ischemic Stroke. Journal of the American College of Cardiology, 2012, 60, 346-354.	1.2	42
123	In response to the article by Thomas Wittlinger and co-workers: Magnetic resonance imaging of coronary artery occlusions in the navigator technique. International Journal of Cardiovascular Imaging, 2002, 18, 1-4.	0.2	40
124	Voxelâ€wise quantification of myocardial perfusion by cardiac magnetic resonance. Feasibility and methods comparison. Magnetic Resonance in Medicine, 2012, 68, 1994-2004.	1.9	40
125	Prevalence of myocardial crypts in a large retrospective cohort study by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 66.	1.6	40
126	Left atrial strain: a multi-modality, multi-vendor comparison study. European Heart Journal Cardiovascular Imaging, 2021, 22, 102-110.	0.5	40

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127	A New Approach for Rapid Assessment of the Cardiac Rest Period for Coronary MRA. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 395-399.	1.6	39
128	Ischemic Burden by 3-Dimensional Myocardial Perfusion Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2014, 7, 647-654.	1.3	39
129	Native T1 and T2 provide distinctive signatures in hypertrophic cardiac conditions â€“ Comparison of uremic, hypertensive and hypertrophic cardiomyopathy. International Journal of Cardiology, 2020, 306, 102-108.	0.8	39
130	MR Myocardial Perfusion Imaging with k-Space and Time Broad-Use Linear Acquisition Speed-up Technique: Feasibility Study. Radiology, 2007, 245, 863-871.	3.6	38
131	Cardiac magnetic resonance myocardial perfusion imaging for detection of functionally significant obstructive coronary artery disease: A prospective study. International Journal of Cardiology, 2013, 168, 765-773.	0.8	38
132	High-throughput gadobutrol-enhanced CMR: a time and dose optimization study. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 83.	1.6	38
133	Detection of Coronary Stenoses with Contrast Enhanced, Three-Dimensional Free Breathing Coronary MR Angiography Using the Gadolinium-Based Intravascular Contrast Agent Gadocoletic Acid (B-22956). Journal of Cardiovascular Magnetic Resonance, 2006, 8, 509-516.	1.6	37
134	Magnetic Resonance Adenosine Perfusion Imaging in Patients After Coronary Artery Bypass Graft Surgery. JACC: Cardiovascular Imaging, 2009, 2, 437-445.	2.3	36
135	Cardiovascular Magnetic Resonance: Myocardial Perfusion. Herz, 2000, 25, 409-416.	0.4	35
136	How We Perform Myocardial Perfusion With Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 539-547.	1.6	35
137	Cardiac MRI to investigate myocardial scar and coronary venous anatomy using a slow infusion of dimeglumine gadobenate in patients undergoing assessment for cardiac resynchronization therapy. Journal of Magnetic Resonance Imaging, 2011, 33, 87-95.	1.9	35
138	Imaging the myocardial ischemic cascade. International Journal of Cardiovascular Imaging, 2018, 34, 1249-1263.	0.7	34
139	MR Coronary Angiography with SH L 643 A: Initial Experience in Patients with Coronary Artery Disease. Radiology, 2004, 233, 567-573.	3.6	33
140	Incremental value of an integrated adenosine stress-rest MDCT perfusion protocol for detection of obstructive coronary artery disease. Journal of Cardiovascular Computed Tomography, 2011, 5, 392-405.	0.7	33
141	Impact of an abdominal belt on breathing patterns and scan efficiency in whole-heart coronary magnetic resonance angiography: comparison between the UK and Japan. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 71.	1.6	33
142	A Bi-Center Cardiovascular Magnetic Resonance Prognosis Study Focusing on Dobutamine Wall Motion and Late Gadolinium Enhancement in 3,138 Consecutive Patients. Journal of the American College of Cardiology, 2013, 61, 2310-2312.	1.2	33
143	Magnetic Resonance Cardiac Vein Imaging. JACC: Cardiovascular Imaging, 2008, 1, 729-738.	2.3	32
144	Association of platelet-SDF-1 with hemodynamic function and infarct size using cardiac MR in patients with AMI. European Journal of Radiology, 2012, 81, e486-e490.	1.2	31

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145	Improvement of image quality of non-invasive coronary artery imaging with magnetic resonance by the use of the intravascular contrast agent Clariscan? (NC100150 injection) in patients with coronary artery disease. Journal of Magnetic Resonance Imaging, 2003, 17, 656-662.	1.9	30
146	Quantitative cardiovascular magnetic resonance perfusion imaging: inter-study reproducibility. European Heart Journal Cardiovascular Imaging, 2012, 13, 954-960.	0.5	30
147	â€˜Image-navigated 3-dimensional late gadolinium enhancement cardiovascular magnetic resonance imaging: feasibility and initial clinical resultsâ€˜. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 97.	1.6	30
148	Myocardial Feature Tracking Reduces Observer-Dependence in Low-Dose Dobutamine Stress Cardiovascular Magnetic Resonance. PLoS ONE, 2015, 10, e0122858.	1.1	29
149	Blood Oxygenation Level-Dependent CMR-Derived Measures in Critical LimbÂIschemia and Changes With Revascularization. Journal of the American College of Cardiology, 2016, 67, 420-431.	1.2	29
150	Dual-energy CT of the heart current and future status. European Journal of Radiology, 2018, 105, 110-118.	1.2	29
151	Quantification of myocardial perfusion using freeâ€breathing MRI and prospective slice tracking. Magnetic Resonance in Medicine, 2009, 61, 734-738.	1.9	27
152	Current variables, definitions and endpoints of the European Cardiovascular Magnetic Resonance Registry. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 43.	1.6	27
153	Coronary Wave Energy. Circulation: Cardiovascular Interventions, 2013, 6, 166-175.	1.4	27
154	Assessment of prosthetic aortic valve performance by magnetic resonance velocity imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2000, 10, 18-26.	1.1	26
155	The intravascular contrast agent Clariscanâ„¢ (NC 100150 injection) for 3D MR coronary angiography in patients with coronary artery disease. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2000, 11, 65-67.	1.1	26
156	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. Clinical Chemistry, 2011, 57, 898-904.	1.5	26
157	Platelet expression of stromal-cell-derived factor-1 (SDF-1): An indicator for ACS?. International Journal of Cardiology, 2013, 164, 111-115.	0.8	26
158	Plasma levels of soluble glycoprotein VI (sGPVI) are associated with ischemic stroke. Platelets, 2013, 24, 560-565.	1.1	26
159	Myocardial Fibrosis and Inflammation by CMR Predict Cardiovascular Outcome in People Living With HIV. JACC: Cardiovascular Imaging, 2021, 14, 1548-1557.	2.3	26
160	Functional stress imaging to predict abnormal coronary fractional flow reserve: the PACIFIC 2 study. European Heart Journal, 2022, 43, 3118-3128.	1.0	26
161	Coronary Imaging With Cardiovascular Magnetic Resonance: Current State of the Art. Progress in Cardiovascular Diseases, 2011, 54, 240-252.	1.6	25
162	Optimal Acquisition Parameters for Contrast Enhanced Magnetic Resonance Imaging After Chronic Myocardial Infarction. Journal of Cardiovascular Magnetic Resonance, 2003, 5, 575-587.	1.6	25

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163	Whole-heart coronary magnetic resonance angiography with MS-325 (Gadofosveset). Medical Science Monitor, 2007, 13, CR469-474.	0.5	25
164	Multi-slice dynamic imaging: Complete functional cardiac MR examination within 15 seconds. Journal of Magnetic Resonance Imaging, 2001, 14, 300-305.	1.9	24
165	Acute Fibrinous Pericarditis Assessed With Magnetic Resonance Imaging. Circulation, 2003, 107, e82.	1.6	24
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