

List of Publications by Year in descending order

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335
papers

13,891
citations

23567

58
h-index

30922

102
g-index

342
all docs

342
docs citations

342
times ranked

9298
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary Magnetic Resonance Angiography for the Detection of Coronary Stenoses. New England Journal of Medicine, 2001, 345, 1863-1869.	27.0	1,281
2	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. Journal of the American College of Cardiology, 1999, 34, 524-531.	2.8	327
3	Detection of Pulmonary Vein and Left Atrial Scar after Catheter Ablation with Three-dimensional Navigator-gated Delayed Enhancement MR Imaging: Initial Experience ¹ . Radiology, 2007, 243, 690-695.	7.3	320
4	Three-Dimensional Black-Blood Cardiac Magnetic Resonance Coronary Vessel Wall Imaging Detects Positive Arterial Remodeling in Patients With Nonsignificant Coronary Artery Disease. Circulation, 2002, 106, 296-299.	1.6	292
5	In Vivo Molecular Imaging of Acute and Subacute Thrombosis Using a Fibrin-Binding Magnetic Resonance Imaging Contrast Agent. Circulation, 2004, 109, 2023-2029.	1.6	266
6	?Soap-Bubble? visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. Magnetic Resonance in Medicine, 2002, 48, 658-666.	3.0	239
7	Submillimeter Three-dimensional Coronary MR Angiography with Real-time Navigator Correction: Comparison of Navigator Locations. Radiology, 1999, 212, 579-587.	7.3	236
8	Preliminary report on in vivo coronary MRA at 3 Tesla in humans. Magnetic Resonance in Medicine, 2002, 48, 425-429.	3.0	221
9	In Vivo Magnetic Resonance Imaging of Coronary Thrombosis Using a Fibrin-Binding Molecular Magnetic Resonance Contrast Agent. Circulation, 2004, 110, 1463-1466.	1.6	215
10	Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease. Circulation, 2002, 105, 908-911.	1.6	212
11	Age and Sex Distribution of Subclinical Aortic Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 849-854.	2.4	191
12	Cardiovascular magnetic resonance phase contrast imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 71.	3.3	184
13	MR imaging of thrombi using EP-2104R, a fibrin-specific contrast agent: initial results in patients. European Radiology, 2008, 18, 1995-2005.	4.5	176
14	Molecular Magnetic Resonance Imaging of Atrial Clots in a Swine Model. Circulation, 2005, 112, 396-399.	1.6	169
15	Magnetic Conjugated Polymer Nanoparticles as Bimodal Imaging Agents. Journal of the American Chemical Society, 2010, 132, 9833-9842.	13.7	164
16	Assessment of atherosclerotic plaque burden with an elastin-specific magnetic resonance contrast agent. Nature Medicine, 2011, 17, 383-388.	30.7	161
17	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. Journal of Magnetic Resonance Imaging, 1999, 10, 790-799.	3.4	156
18	Hemodynamics in the carotid artery bifurcation:. Journal of Biomechanics, 2000, 33, 137-144.	2.1	151

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19	Molecular Magnetic Resonance Imaging of Coronary Thrombosis and Pulmonary Emboli With a Novel Fibrin-Targeted Contrast Agent. <i>Circulation</i> , 2005, 111, 1377-1382.	1.6	146
20	3D coronary vessel wall imaging utilizing a local inversion technique with spiral image acquisition. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 848-854.	3.0	136
21	Whole-heart coronary MR angiography with 2D self-navigated image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 437-445.	3.0	135
22	CINENet: deep learning-based 3D cardiac CINE MRI reconstruction with multi-coil complex-valued 4D spatio-temporal convolutions. <i>Scientific Reports</i> , 2020, 10, 13710.	3.3	122
23	Impact of bulk cardiac motion on right coronary MR angiography and vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 383-390.	3.4	121
24	Highly efficient respiratory motion compensated free-breathing coronary mra using golden-step Cartesian acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 738-746.	3.4	121
25	Dual cardiac-respiratory gated PET: implementation and results from a feasibility study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1447-1454.	6.4	119
26	Inherently self-calibrating non-cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1-8.	3.0	116
27	Noninvasive Magnetic Resonance Imaging Evaluation of Endothelial Permeability in Murine Atherosclerosis Using an Albumin-Binding Contrast Agent. <i>Circulation</i> , 2012, 126, 707-719.	1.6	112
28	Subclinical Coronary and Aortic Atherosclerosis Detected by Magnetic Resonance Imaging in Type 1 Diabetes With and Without Diabetic Nephropathy. <i>Circulation</i> , 2007, 115, 228-235.	1.6	111
29	Serial Contrast-Enhanced Cardiac Magnetic Resonance Imaging Demonstrates Regression of Hyperenhancement Within the Coronary Artery Wall in Patients After Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 580-588.	5.3	111
30	Combined Reporter Gene PET and Iron Oxide MRI for Monitoring Survival and Localization of Transplanted Cells in the Rat Heart. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1088-1094.	5.0	110
31	Delayed-Enhancement Cardiovascular Magnetic Resonance Coronary Artery Wall Imaging. <i>Journal of the American College of Cardiology</i> , 2007, 50, 441-447.	2.8	108
32	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> , 2006, 27, 1732-1736.	2.2	102
33	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2258-2270.	8.9	97
34	Role of miR-195 in Aortic Aneurysmal Disease. <i>Circulation Research</i> , 2014, 115, 857-866.	4.5	93
35	Automatic vessel segmentation using active contours in cine phase contrast flow measurements. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 41-51.	3.4	90
36	High-frequency speckle tracking echocardiography in the assessment of left ventricular function and remodeling after murine myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1371-H1383.	3.2	90

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37	Molecular imaging of cardiac remodelling after myocardial infarction. Basic Research in Cardiology, 2018, 113, 10.	5.9	88
38	Comparison of aortic elasticity determined by cardiovascular magnetic resonance imaging in obese versus lean adults. American Journal of Cardiology, 2003, 91, 195-199.	1.6	86
39	Highly efficient nonrigid motion-corrected 3D whole-heart coronary vessel wall imaging. Magnetic Resonance in Medicine, 2017, 77, 1894-1908.	3.0	85
40	From Compressed-Sensing to Artificial Intelligence-Based Cardiac MRI Reconstruction. Frontiers in Cardiovascular Medicine, 2020, 7, 17.	2.4	85
41	Navigator-Gated Free-Breathing Three-Dimensional Balanced Fast Field Echo (TrueFISP) Coronary Magnetic Resonance Angiography. Investigative Radiology, 2002, 37, 637-642.	6.2	84
42	Detection of Coronary Artery Anomalies in Infants and Young Children with Congenital Heart Disease by Using MR Imaging. Radiology, 2011, 259, 240-247.	7.3	81
43	Free-breathing 3D Steady-State Free Precession Coronary MR Angiography with Radial k-Space Sampling: Comparison with Cartesian k-Space Sampling and Cartesian Gradient-Echo Coronary MR Angiography-Pilot Study. Radiology, 2004, 231, 581-586.	7.3	80
44	In Vivo Magnetic Resonance Imaging of Experimental Thrombosis in a Rabbit Model. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1556-1560.	2.4	79
45	High-dimensional undersampled patch-based reconstruction (HD-PROST) for accelerated multi-contrast MRI. Magnetic Resonance in Medicine, 2019, 81, 3705-3719.	3.0	79
46	Free-Breathing Black-Blood Coronary MR Angiography: Initial Results. Radiology, 2001, 219, 278-283.	7.3	75
47	Differential Impact of Age, Sex, and Hypertension on Aortic Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 155-159.	2.4	75
48	Magnetic Resonance T ₁ Relaxation Time of Venous Thrombus Is Determined by Iron Processing and Predicts Susceptibility to Lysis. Circulation, 2013, 128, 729-736.	1.6	74
49	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. Magnetic Resonance in Medicine, 2001, 45, 206-211.	3.0	73
50	Five-minute whole-heart coronary MRA with sub-millimeter isotropic resolution, 100% respiratory scan efficiency, and 3D-PROST reconstruction. Magnetic Resonance in Medicine, 2019, 81, 102-115.	3.0	73
51	Automatic CNN-based detection of cardiac MR motion artefacts using k-space data augmentation and curriculum learning. Medical Image Analysis, 2019, 55, 136-147.	11.6	71
52	Direct comparison of 3D spiral vs. Cartesian gradient-echo coronary magnetic resonance angiography. Magnetic Resonance in Medicine, 2001, 46, 789-794.	3.0	70
53	Coronary magnetic resonance angiography and vessel wall imaging in children with Kawasaki disease. Pediatric Radiology, 2007, 37, 666-673.	2.0	68
54	MRI of Coronary Wall Remodeling in a Swine Model of Coronary Injury Using an Elastin-Binding Contrast Agent. Circulation: Cardiovascular Imaging, 2011, 4, 147-155.	2.6	68

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55	Molecular Imaging of Early β_2 Integrin Expression Predicts Long-Term Left-Ventricle Remodeling After Myocardial Infarction in Rats. <i>Journal of Nuclear Medicine</i> , 2012, 53, 318-323.	5.0	64
56	Free-breathing 3D coronary MRA: The impact of ?Isotropic? image resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 389-393.	3.4	62
57	Renal Arteries: Navigator-gated Balanced Fast Field-Echo Projection MR Angiography with Aortic Spin Labeling: Initial Experience. <i>Radiology</i> , 2002, 225, 589-596.	7.3	61
58	A New 18 F-Labeled Myocardial PET Tracer: Myocardial Uptake After Permanent and Transient Coronary Occlusion in Rats. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1715-1722.	5.0	60
59	Molecular Magnetic Resonance Imaging of Myocardial Perfusion With EP-3600, a Collagen-Specific Contrast Agent. <i>Circulation</i> , 2009, 119, 1768-1775.	1.6	58
60	Scan Reproducibility of Magnetic Resonance Imaging Assessment of Aortic Atherosclerosis Burden. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2001, 3, 331-338.	3.3	58
61	Coronary MR Angiography: Comparison of Quantitative and Qualitative Data from Four Techniques. <i>American Journal of Roentgenology</i> , 2004, 182, 515-521.	2.2	57
62	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	56
63	Molecular Magnetic Resonance Imaging of Pulmonary Emboli with a Fibrin-specific Contrast Agent. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 494-500.	5.6	55
64	Magnetic resonance imaging of myocardial injury and ventricular torsion after marathon running. <i>Clinical Science</i> , 2011, 120, 143-152.	4.3	55
65	Fibrin-Targeted Magnetic Resonance Imaging Allows In Vivo Quantification of Thrombus Fibrin Content and Identifies Thrombi Amenable for Thrombolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1193-1198.	2.4	54
66	Initial Experiences with In Vivo Right Coronary Artery Human MR Vessel Wall Imaging at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003, 5, 589-594.	3.3	53
67	A fast 3D approach for coronary MRA. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 821-825.	3.4	52
68	Molecular MR Imaging of Human Thrombi in a Swine Model of Pulmonary Embolism Using a Fibrin-Specific Contrast Agent. <i>Investigative Radiology</i> , 2007, 42, 586-595.	6.2	51
69	Late gadolinium enhancement of acute myocardial infarction in mice at 7T: Cineâ€FLASH versus inversion recovery. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 878-886.	3.4	50
70	Multiâ€parametric liver tissue characterization using MR fingerprinting: Simultaneous T_1 , T_2 , T_2^* , and fat fraction mapping. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2625-2635.	3.0	50
71	Impact of navigator timing on free-breathing submillimeter 3D coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 196-201.	3.0	49
72	Selective three-dimensional visualization of the coronary arterial lumen using arterial spin tagging. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 322-329.	3.0	48

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73	First-pass contrast-enhanced myocardial perfusion MRI in mice on a 3T clinical MR scanner. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1592-1598.	3.0	48
74	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. <i>Nanoscale</i> , 2014, 6, 8376-8386.	5.6	48
75	Water-fat Dixon cardiac magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2107-2123.	3.0	48
76	Flow quantitation with echo-planar phase-contrast velocity mapping: In vitro and in vivo evaluation. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 656-662.	3.4	47
77	Temperature quantification using the proton frequency shift technique: In vitro and in vivo validation in an open 0.5 tesla interventional MR scanner during RF ablation. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 437-444.	3.4	47
78	Coronary magnetic resonance imaging: visualization of the vessel lumen and the vessel wall and molecular imaging of arteriothrombosis. <i>European Radiology</i> , 2006, 16, 1-14.	4.5	47
79	Prospective respiratory motion correction for coronary MR angiography using a 2D image navigator. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 486-494.	3.0	46
80	Sparsity and locally low rank regularization for MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3530-3543.	3.0	46
81	Noninvasive Assessment of Atherosclerotic Plaque Progression in ApoE ^{-/-} Mice Using Susceptibility Gradient Mapping. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 295-303.	2.6	45
82	The impact of spatial resolution and respiratory motion on MR imaging of atherosclerotic plaque. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 538-544.	3.4	44
83	In Vivo Magnetization Transfer and Diffusion-Weighted Magnetic Resonance Imaging Detects Thrombus Composition in a Mouse Model of Deep Vein Thrombosis. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 433-440.	2.6	44
84	In Vivo Assessment of Aortic Aneurysm Wall Integrity Using Elastin-Specific Molecular Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 679-689.	2.6	43
85	3D myocardial T_1 mapping using saturation recovery. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 218-227.	3.4	43
86	Clinical value of dark-blood late gadolinium enhancement cardiovascular magnetic resonance without additional magnetization preparation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 44.	3.3	43
87	Monitoring of Radio Frequency Tissue Ablation in an Interventional Magnetic Resonance Environment. <i>Investigative Radiology</i> , 1997, 32, 671-678.	6.2	43
88	MR Imaging of the Arterial Vessel Wall: Molecular Imaging from Bench to Bedside. <i>Radiology</i> , 2013, 269, 34-51.	7.3	42
89	Whole-Heart Coronary MRA with 3D Affine Motion Correction Using 3D Image-Based Navigation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 173-181.	3.0	42
90	Motion-corrected simultaneous cardiac positron emission tomography and coronary MR angiography with high acquisition efficiency. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 339-350.	3.0	42

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91	Assessment of Myocardial Infarction and Postinfarction Scar Remodeling With an Elastin-Specific Magnetic Resonance Agent. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 321-329.	2.6	41
92	In vivo assessment of intraplaque and endothelial fibrin in ApoE ^{-/-} mice by molecular MRI. <i>Atherosclerosis</i> , 2012, 222, 43-49.	0.8	40
93	Correction for heart rate variability improves coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 577-582.	3.4	39
94	Congenital Heart Disease: Cardiovascular MR Imaging by Using an Intravascular Blood Pool Contrast Agent. <i>Radiology</i> , 2011, 260, 680-688.	7.3	38
95	100% Efficient three-dimensional coronary MR angiography with two-dimensional beat-to-beat translational and bin-to-bin affine motion correction. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 756-764.	3.0	38
96	Breathhold Three-Dimensional Coronary Magnetic Resonance Angiography Using Real-Time Navigator Technology. <i>Journal of Cardiovascular Magnetic Resonance</i> , 1999, 1, 233-238.	3.3	37
97	Coronary MR angiography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 81-99.	1.1	37
98	Characterization of carotid artery plaques with USPIO-enhanced MRI: assessment of inflammation and vascularity as in vivo imaging biomarkers for plaque vulnerability. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 901-912.	1.5	37
99	Multimodality Imaging of Subclinical Aortic Atherosclerosis. <i>Hypertension</i> , 2013, 61, 609-614.	2.7	37
100	Rigid motion-corrected magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 947-961.	3.0	37
101	3D free-breathing cardiac magnetic resonance fingerprinting. <i>NMR in Biomedicine</i> , 2020, 33, e4370.	2.8	37
102	3D whole-heart isotropic sub-millimeter resolution coronary magnetic resonance angiography with non-rigid motion-compensated PROST. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 24.	3.3	37
103	Coronary Magnetic Resonance Angiography for Assessment of the Stent Lumen: A Phantom Study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 359-367.	3.3	36
104	Free-running 3D whole heart myocardial T1 mapping with isotropic spatial resolution. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1331-1342.	3.0	36
105	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. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 87-95.	3.4	35
106	Three-Dimensional Imaging of the Aortic Vessel Wall Using an Elastin-Specific Magnetic Resonance Contrast Agent. <i>Investigative Radiology</i> , 2012, 47, 438-444.	6.2	35
107	Black-Blood Contrast in Cardiovascular MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 61-80.	3.4	35
108	Quantitative Assessment of Left Ventricular Function with Interactive Real-Time Spiral and Radial MR Imaging. <i>Radiology</i> , 2003, 227, 870-876.	7.3	34

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109	Navigator-Gated Coronary Magnetic Resonance Angiography Using Steady-State-Free-Precession. Investigative Radiology, 2003, 38, 263-268.	6.2	34
110	Advanced Respiratory Motion Compensation for Coronary MR Angiography. Sensors, 2013, 13, 6882-6899.	3.8	34
111	Assessment of Myocardial Remodeling Using an Elastin/Tropoelastin Specific Agent with High Field Magnetic Resonance Imaging (MRI). Journal of the American Heart Association, 2015, 4, e001851.	3.7	34
112	Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. Circulation, 2013, 128, 1244-1255.	1.6	33
113	Simultaneous bright- and black-blood whole-heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. Magnetic Resonance in Medicine, 2018, 79, 1460-1472.	3.0	33
114	Non-Rigid Respiratory Motion Estimation of Whole-Heart Coronary MR Images Using Unsupervised Deep Learning. IEEE Transactions on Medical Imaging, 2021, 40, 444-454.	8.9	33
115	Motion artifact reduction and vessel enhancement for free-breathing navigator-gated coronary MRA using 3Dk-space reordering. Magnetic Resonance in Medicine, 2001, 45, 645-652.	3.0	32
116	MR coronary vessel wall imaging: Comparison between radial and spiral k-space sampling. Journal of Magnetic Resonance Imaging, 2006, 23, 757-762.	3.4	32
117	Three-dimensional Dual-Phase Whole-Heart MR Imaging: Clinical Implications for Congenital Heart Disease. Radiology, 2012, 263, 547-554.	7.3	32
118	3D whole-heart phase sensitive inversion recovery CMR for simultaneous black-blood late gadolinium enhancement and bright-blood coronary CMR angiography. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 94.	3.3	32
119	Concurrent Molecular Magnetic Resonance Imaging of Inflammatory Activity and Extracellular Matrix Degradation for the Prediction of Aneurysm Rupture. Circulation: Cardiovascular Imaging, 2019, 12, e008707.	2.6	32
120	A multi-scale variational neural network for accelerating motion-compensated whole-heart 3D coronary MR angiography. Magnetic Resonance Imaging, 2020, 70, 155-167.	1.8	32
121	Deep-learning based super-resolution for 3D isotropic coronary MR angiography in less than a minute. Magnetic Resonance in Medicine, 2021, 86, 2837-2852.	3.0	32
122	Coronary MR Imaging Using Free-Breathing 3D Steady-State Free Precession with Radial k-space Sampling. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2003, 175, 1330-1334.	1.3	31
123	Congenital Heart Disease in Children: Coronary MR Angiography during Systole and Diastole with Dual Cardiac Phase Whole-Heart Imaging. Radiology, 2011, 260, 232-240.	7.3	31
124	Flow-independent 3D whole-heart vessel wall imaging using an interleaved T2-preparation acquisition. Magnetic Resonance in Medicine, 2013, 69, 150-157.	3.0	31
125	Noninvasive MRI Monitoring of the Effect of Interventions on Endothelial Permeability in Murine Atherosclerosis Using an Albumin-binding Contrast Agent. Journal of the American Heart Association, 2013, 2, e000402.	3.7	31
126	Initial experiences with in vivo intravascular coronary vessel wall imaging. Journal of Magnetic Resonance Imaging, 2003, 17, 615-619.	3.4	30

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127	A new framework for interleaved scanning in cardiovascular MR: Application to image-based respiratory motion correction in coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 692-696.	3.0	30
128	Image-navigated 3-dimensional late gadolinium enhancement cardiovascular magnetic resonance imaging: feasibility and initial clinical results. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 97.	3.3	30
129	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, .	2.6	30
130	Superiority of prone position in free-breathing 3D coronary MRA in patients with coronary disease. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 185-191.	3.4	29
131	Characterizing radial undersampling artifacts for cardiac applications. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 396-403.	3.0	29
132	Vascular Remodeling and Plaque Vulnerability in a Rabbit Model of Atherosclerosis: Comparison of Delayed-Enhancement MR Imaging with an Elastin-specific Contrast Agent and Unenhanced Black-Blood MR Imaging. <i>Radiology</i> , 2014, 271, 390-399.	7.3	29
133	Coronary MR angiography at 3T: fat suppression versus water-fat separation. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 733-738.	2.0	29
134	Free-running simultaneous myocardial T1/T2 mapping and cine imaging with 3D whole-heart coverage and isotropic spatial resolution. <i>Magnetic Resonance Imaging</i> , 2019, 63, 159-169.	1.8	29
135	Comparison of 3D Segmented Gradient-Echo and Steady-State Free Precession Coronary MRI Sequences in Patients with Coronary Artery Disease. <i>American Journal of Roentgenology</i> , 2005, 185, 103-109.	2.2	28
136	The emerging role of cardiovascular magnetic resonance in the evaluation of Kawasaki disease. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1787-1798.	1.5	28
137	Molecular imaging of the extracellular matrix in the context of atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 49-60.	13.7	28
138	Clinical comparison of sub-mm high-resolution non-contrast coronary CMR angiography against coronary CT angiography in patients with low-intermediate risk of coronary artery disease: a single center trial. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 57.	3.3	28
139	The impact of navigator timing parameters and navigator spatial resolution on 3D coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 311-318.	3.4	27
140	Constitutive glycogen synthase kinase-3 β activity protects against chronic β -adrenergic remodelling of the heart. <i>Cardiovascular Research</i> , 2010, 87, 494-503.	3.8	27
141	A Self-Normalization Reconstruction Technique for PET Scans Using the Positron Emission Data. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 2234-2240.	8.9	27
142	Optimized respiratory-resolved motion-compensated 3D Cartesian coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2618-2629.	3.0	27
143	Motion-corrected whole-heart PET-MR for the simultaneous visualisation of coronary artery integrity and myocardial viability: an initial clinical validation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1975-1986.	6.4	27
144	T1, T2, and Fat Fraction Cardiac MR Fingerprinting: Preliminary Clinical Evaluation. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1253-1265.	3.4	27

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145	Assessment of prosthetic aortic valve performance by magnetic resonance velocity imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2000, 10, 18-26.	2.0	26
146	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. Clinical Chemistry, 2011, 57, 898-904.	3.2	26
147	Single breath-hold assessment of cardiac function using an accelerated 3D single breath-hold acquisition technique - comparison of an intravascular and extravascular contrast agent. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 58.	3.3	26
148	Molecular MRI of Atherosclerosis. Molecules, 2013, 18, 14042-14069.	3.8	26
149	Coronary Imaging With Cardiovascular Magnetic Resonance: Current State of the Art. Progress in Cardiovascular Diseases, 2011, 54, 240-252.	3.1	25
150	Tropoelastin. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	25
151	Coronary Magnetic Resonance Angiography. JACC: Cardiovascular Imaging, 2020, 13, 2653-2672.	5.3	25
152	Molecular Imaging of Abdominal Aortic Aneurysms. Trends in Molecular Medicine, 2017, 23, 150-164.	6.7	24
153	Motion-corrected 3D whole-heart water-fat high-resolution late gadolinium enhancement cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 53.	3.3	24
154	Dark-blood late gadolinium enhancement cardiovascular magnetic resonance for improved detection of subendocardial scar: a review of current techniques. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 96.	3.3	24
155	Visualization of Coronary Wall Atherosclerosis in Asymptomatic Subjects and Patients with Coronary Artery Disease Using Magnetic Resonance Imaging. PLoS ONE, 2010, 5, e12998.	2.5	23
156	Dual Inversion-Recovery MR Imaging Sequence for Reduced Blood Signal on Late Gadolinium-enhanced Images of Myocardial Scar. Radiology, 2012, 264, 242-249.	7.3	23
157	3D whole-heart isotropic-resolution motion-compensated joint T_1 / T_2 mapping and water/fat imaging. Magnetic Resonance in Medicine, 2020, 84, 3009-3026.	3.0	23
158	Respiratory motion-compensated high-resolution 3D whole-heart T_1 mapping. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 12.	3.3	23
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