

## List of Publications by Year in descending order

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335  
papers

13,891  
citations

23500

58  
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30848

102  
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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. <i>New England Journal of Medicine</i> , 2001, 345, 1863-1869.	13.9	1,281
2	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> , 1999, 34, 524-531.	1.2	327
3	Detection of Pulmonary Vein and Left Atrial Scar after Catheter Ablation with Three-dimensional Navigator-gated Delayed Enhancement MR Imaging: Initial Experience <sup>1</sup> . <i>Radiology</i> , 2007, 243, 690-695.	3.6	320
4	Three-Dimensional Black-Blood Cardiac Magnetic Resonance Coronary Vessel Wall Imaging Detects Positive Arterial Remodeling in Patients With Nonsignificant Coronary Artery Disease. <i>Circulation</i> , 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. <i>Circulation</i> , 2004, 109, 2023-2029.	1.6	266
6	?Soap-Bubble? visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 658-666.	1.9	239
7	Submillimeter Three-dimensional Coronary MR Angiography with Real-time Navigator Correction: Comparison of Navigator Locations. <i>Radiology</i> , 1999, 212, 579-587.	3.6	236
8	Preliminary report on in vivo coronary MRA at 3 Tesla in humans. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 425-429.	1.9	221
9	In Vivo Magnetic Resonance Imaging of Coronary Thrombosis Using a Fibrin-Binding Molecular Magnetic Resonance Contrast Agent. <i>Circulation</i> , 2004, 110, 1463-1466.	1.6	215
10	Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease. <i>Circulation</i> , 2002, 105, 908-911.	1.6	212
11	Age and Sex Distribution of Subclinical Aortic Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 849-854.	1.1	191
12	Cardiovascular magnetic resonance phase contrast imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 71.	1.6	184
13	MR imaging of thrombi using EP-2104R, a fibrin-specific contrast agent: initial results in patients. <i>European Radiology</i> , 2008, 18, 1995-2005.	2.3	176
14	Molecular Magnetic Resonance Imaging of Atrial Clots in a Swine Model. <i>Circulation</i> , 2005, 112, 396-399.	1.6	169
15	Magnetic Conjugated Polymer Nanoparticles as Bimodal Imaging Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 9833-9842.	6.6	164
16	Assessment of atherosclerotic plaque burden with an elastin-specific magnetic resonance contrast agent. <i>Nature Medicine</i> , 2011, 17, 383-388.	15.2	161
17	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 790-799.	1.9	156
18	Hemodynamics in the carotid artery bifurcation:. <i>Journal of Biomechanics</i> , 2000, 33, 137-144.	0.9	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.	1.9	136
21	Whole-heart coronary MR angiography with 2D self-navigated image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 437-445.	1.9	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.	1.6	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.	1.9	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.	1.9	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.	3.3	119
26	Inherently self-calibrating non-cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1-8.	1.9	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.	2.3	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.	2.8	110
31	Delayed-Enhancement Cardiovascular Magnetic Resonance Coronary Artery Wall Imaging. <i>Journal of the American College of Cardiology</i> , 2007, 50, 441-447.	1.2	108
32	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> , 2006, 27, 1732-1736.	1.0	102
33	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2258-2270.	5.4	97
34	Role of miR-195 in Aortic Aneurysmal Disease. <i>Circulation Research</i> , 2014, 115, 857-866.	2.0	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.	1.9	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.	1.5	90

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37	Molecular imaging of cardiac remodelling after myocardial infarction. <i>Basic Research in Cardiology</i> , 2018, 113, 10.	2.5	88
38	Comparison of aortic elasticity determined by cardiovascular magnetic resonance imaging in obese versus lean adults. <i>American Journal of Cardiology</i> , 2003, 91, 195-199.	0.7	86
39	Highly efficient nonrigid motion-corrected 3D whole-heart coronary vessel wall imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1894-1908.	1.9	85
40	From Compressed-Sensing to Artificial Intelligence-Based Cardiac MRI Reconstruction. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 17.	1.1	85
41	Navigator-Gated Free-Breathing Three-Dimensional Balanced Fast Field Echo (TrueFISP) Coronary Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 2002, 37, 637-642.	3.5	84
42	Detection of Coronary Artery Anomalies in Infants and Young Children with Congenital Heart Disease by Using MR Imaging. <i>Radiology</i> , 2011, 259, 240-247.	3.6	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. <i>Radiology</i> , 2004, 231, 581-586.	3.6	80
44	In Vivo Magnetic Resonance Imaging of Experimental Thrombosis in a Rabbit Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1556-1560.	1.1	79
45	High-dimensional undersampled patch-based reconstruction (HD-PROST) for accelerated multi-contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3705-3719.	1.9	79
46	Free-Breathing Black-Blood Coronary MR Angiography: Initial Results. <i>Radiology</i> , 2001, 219, 278-283.	3.6	75
47	Differential Impact of Age, Sex, and Hypertension on Aortic Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 155-159.	1.1	75
48	Magnetic Resonance T <sub>1</sub> Relaxation Time of Venous Thrombus Is Determined by Iron Processing and Predicts Susceptibility to Lysis. <i>Circulation</i> , 2013, 128, 729-736.	1.6	74
49	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 206-211.	1.9	73
50	Five-minute whole-heart coronary MRA with sub-millimeter isotropic resolution, 100% respiratory scan efficiency, and 3D-PROST reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 102-115.	1.9	73
51	Automatic CNN-based detection of cardiac MR motion artefacts using k-space data augmentation and curriculum learning. <i>Medical Image Analysis</i> , 2019, 55, 136-147.	7.0	71
52	Direct comparison of 3D spiral vs. Cartesian gradient-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 789-794.	1.9	70
53	Coronary magnetic resonance angiography and vessel wall imaging in children with Kawasaki disease. <i>Pediatric Radiology</i> , 2007, 37, 666-673.	1.1	68
54	MRI of Coronary Wall Remodeling in a Swine Model of Coronary Injury Using an Elastin-Binding Contrast Agent. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 147-155.	1.3	68

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55	Molecular Imaging of Early $\beta$ -Integrin Expression Predicts Long-Term Left-Ventricle Remodeling After Myocardial Infarction in Rats. <i>Journal of Nuclear Medicine</i> , 2012, 53, 318-323.	2.8	64
56	Free-breathing 3D coronary MRA: The impact of 'isotropic' image resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 389-393.	1.9	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.	3.6	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.	2.8	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.	1.6	58
61	Coronary MR Angiography: Comparison of Quantitative and Qualitative Data from Four Techniques. <i>American Journal of Roentgenology</i> , 2004, 182, 515-521.	1.0	57
62	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	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.	2.5	55
64	Magnetic resonance imaging of myocardial injury and ventricular torsion after marathon running. <i>Clinical Science</i> , 2011, 120, 143-152.	1.8	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.	1.1	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.	1.6	53
67	A fast 3D approach for coronary MRA. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 821-825.	1.9	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.	3.5	51
69	Late gadolinium enhancement of acute myocardial infarction in mice at 7T: Cine-FLASH versus inversion recovery. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 878-886.	1.9	50
70	Multi-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.	1.9	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.	1.9	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.	1.9	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.	1.9	48
74	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. <i>Nanoscale</i> , 2014, 6, 8376-8386.	2.8	48
75	Water-fat Dixon cardiac magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2107-2123.	1.9	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.	1.9	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.	1.9	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.	2.3	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.	1.9	46
80	Sparsity and locally low rank regularization for MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3530-3543.	1.9	46
81	Noninvasive Assessment of Atherosclerotic Plaque Progression in ApoE <sup>-/-</sup> Mice Using Susceptibility Gradient Mapping. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 295-303.	1.3	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.	1.9	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.	1.3	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.	1.3	43
85	3D myocardial T <sub>1</sub> mapping using saturation recovery. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 218-227.	1.9	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.	1.6	43
87	Monitoring of Radio Frequency Tissue Ablation in an Interventional Magnetic Resonance Environment. <i>Investigative Radiology</i> , 1997, 32, 671-678.	3.5	43
88	MR Imaging of the Arterial Vessel Wall: Molecular Imaging from Bench to Bedside. <i>Radiology</i> , 2013, 269, 34-51.	3.6	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.	1.9	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.	1.9	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.	1.3	41
92	In vivo assessment of intraplaque and endothelial fibrin in ApoE <sup>-/-</sup> /A <sup>+/+</sup> mice by molecular MRI. <i>Atherosclerosis</i> , 2012, 222, 43-49.	0.4	40
93	Correction for heart rate variability improves coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 577-582.	1.9	39
94	Congenital Heart Disease: Cardiovascular MR Imaging by Using an Intravascular Blood Pool Contrast Agent. <i>Radiology</i> , 2011, 260, 680-688.	3.6	38
95	100% Efficient three-dimensional coronary MR angiography with two-dimensional beat-to-beat translational and binomial affine motion correction. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 756-764.	1.9	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.	1.6	37
97	Coronary MR angiography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 81-99.	0.6	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.	0.7	37
99	Multimodality Imaging of Subclinical Aortic Atherosclerosis. <i>Hypertension</i> , 2013, 61, 609-614.	1.3	37
100	Rigid motion-corrected magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 947-961.	1.9	37
101	3D free-breathing cardiac magnetic resonance fingerprinting. <i>NMR in Biomedicine</i> , 2020, 33, e4370.	1.6	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.	1.6	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.	1.6	36
104	Free-running 3D whole heart myocardial T1 mapping with isotropic spatial resolution. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1331-1342.	1.9	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.	1.9	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.	3.5	35
107	Black-Blood Contrast in Cardiovascular MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 61-80.	1.9	35
108	Quantitative Assessment of Left Ventricular Function with Interactive Real-Time Spiral and Radial MR Imaging. <i>Radiology</i> , 2003, 227, 870-876.	3.6	34

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109	Navigator-Gated Coronary Magnetic Resonance Angiography Using Steady-State-Free-Precession. <i>Investigative Radiology</i> , 2003, 38, 263-268.	3.5	34
110	Advanced Respiratory Motion Compensation for Coronary MR Angiography. <i>Sensors</i> , 2013, 13, 6882-6899.	2.1	34
111	Assessment of Myocardial Remodeling Using an Elastin/Tropoelastin Specific Agent with High Field Magnetic Resonance Imaging (MRI). <i>Journal of the American Heart Association</i> , 2015, 4, e001851.	1.6	34
112	Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. <i>Circulation</i> , 2013, 128, 1244-1255.	1.6	33
113	Simultaneous bright- and black-blood whole-heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1460-1472.	1.9	33
114	Non-Rigid Respiratory Motion Estimation of Whole-Heart Coronary MR Images Using Unsupervised Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 444-454.	5.4	33
115	Motion artifact reduction and vessel enhancement for free-breathing navigator-gated coronary MRA using 3Dk-space reordering. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 645-652.	1.9	32
116	MR coronary vessel wall imaging: Comparison between radial and spiral k-space sampling. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 757-762.	1.9	32
117	Three-dimensional Dual-Phase Whole-Heart MR Imaging: Clinical Implications for Congenital Heart Disease. <i>Radiology</i> , 2012, 263, 547-554.	3.6	32
118	3D whole-heart phase sensitive inversion recovery CMR for simultaneous black-blood late gadolinium enhancement and bright-blood coronary CMR angiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 94.	1.6	32
119	Concurrent Molecular Magnetic Resonance Imaging of Inflammatory Activity and Extracellular Matrix Degradation for the Prediction of Aneurysm Rupture. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008707.	1.3	32
120	A multi-scale variational neural network for accelerating motion-compensated whole-heart 3D coronary MR angiography. <i>Magnetic Resonance Imaging</i> , 2020, 70, 155-167.	1.0	32
121	Deep-learning based super-resolution for 3D isotropic coronary MR angiography in less than a minute. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2837-2852.	1.9	32
122	Coronary MR Imaging Using Free-Breathing 3D Steady-State Free Precession with Radial k-space Sampling. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2003, 175, 1330-1334.	0.7	31
123	Congenital Heart Disease in Children: Coronary MR Angiography during Systole and Diastole with Dual Cardiac Phase Whole-Heart Imaging. <i>Radiology</i> , 2011, 260, 232-240.	3.6	31
124	Flow-independent 3D whole-heart vessel wall imaging using an interleaved T2-preparation acquisition. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 150-157.	1.9	31
125	Noninvasive MRI Monitoring of the Effect of Interventions on Endothelial Permeability in Murine Atherosclerosis Using an Albumin-Binding Contrast Agent. <i>Journal of the American Heart Association</i> , 2013, 2, e000402.	1.6	31
126	Initial experiences with in vivo intravascular coronary vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 615-619.	1.9	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.	1.9	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.	1.6	30
129	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, .	1.3	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.	1.9	29
131	Characterizing radial undersampling artifacts for cardiac applications. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 396-403.	1.9	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.	3.6	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.	1.1	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.	1.0	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.	1.0	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.	0.7	28
137	Molecular imaging of the extracellular matrix in the context of atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 49-60.	6.6	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.	1.6	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.	1.9	27
140	Constitutive glycogen synthase kinase-3 $\beta$ activity protects against chronic $\beta$ -adrenergic remodeling of the heart. <i>Cardiovascular Research</i> , 2010, 87, 494-503.	1.8	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.	5.4	27
142	Optimized respiratory-resolved motion-compensated 3D Cartesian coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2618-2629.	1.9	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.	3.3	27
144	T1, T2, and Fat Fraction Cardiac MR Fingerprinting: Preliminary Clinical Evaluation. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1253-1265.	1.9	27

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145	Assessment of prosthetic aortic valve performance by magnetic resonance velocity imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000, 10, 18-26.	1.1	26
146	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. <i>Clinical Chemistry</i> , 2011, 57, 898-904.	1.5	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 58.	1.6	26
148	Molecular MRI of Atherosclerosis. <i>Molecules</i> , 2013, 18, 14042-14069.	1.7	26
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