

## List of Publications by Year in descending order

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369  
papers

14,151  
citations

25014

57  
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30058

103  
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378  
all docs

378  
docs citations

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times ranked

10291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blackâ€Blood Contrast in Cardiovascular MRI. Journal of Magnetic Resonance Imaging, 2022, 55, 61-80.	1.9	35
2	Innovations in Cardiovascular MR and PET-MR Imaging. , 2022, , 265-309.		2
3	Self-supervised learning-based diffeomorphic non-rigid motion estimation for fast motion-compensated coronary MR angiography. Magnetic Resonance Imaging, 2022, 85, 10-18.	1.0	7
4	Simultaneous comprehensive liver T<sub>1</sub>, T<sub>2</sub>, T<sub>1</sub>Î, and fat fraction characterization with MR fingerprinting. Magnetic Resonance in Medicine, 2022, 87, 1980-1991.	1.9	15
5	Simultaneous T<sub>1</sub>, T<sub>2</sub>, and T<sub>1</sub>Î cardiac magnetic resonance fingerprinting for contrast agent-free myocardial tissue characterization. Magnetic Resonance in Medicine, 2022, 87, 1992-2002.	1.9	21
6	Whole-heart non-rigid motion corrected coronary MRA with autofocus virtual 3D iNAV. Magnetic Resonance Imaging, 2022, 87, 169-176.	1.0	7
7	Simultaneous [18F]fluoride and gadobutrol enhanced coronary positron emission tomography/magnetic resonance imaging for <i>in vivo</i> plaque characterization. European Heart Journal Cardiovascular Imaging, 2022, 23, 1391-1398.	0.5	13
8	Efficient non-contrast enhanced 3D Cartesian cardiovascular magnetic resonance angiography of the thoracic aorta in 3Amin. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 5.	1.6	4
9	Late Gadolinium Enhancement Cardiac Magnetic Resonance Imaging: From Basic Concepts to Emerging Methods. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, 194, 491-504.	0.7	9
10	High-resolution non-contrast free-breathing coronary cardiovascular magnetic resonance angiography for detection of coronary artery disease: validation against invasive coronary angiography. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 26.	1.6	10
11	ADAMTS4-specific MR probe to assess aortic aneurysms in vivo using synthetic peptide libraries. Nature Communications, 2022, 13, .	5.8	6
12	Accelerating 3D MTC-BOOST in patients with congenital heart disease using a joint multi-scale variational neural network reconstruction. Magnetic Resonance Imaging, 2022, 92, 120-132.	1.0	4
13	Quantitative magnetization transfer imaging for non-contrast enhanced detection of myocardial fibrosis. Magnetic Resonance in Medicine, 2021, 85, 2069-2083.	1.9	1
14	Fully self-gated free-running 3D Cartesian cardiac CINE with isotropic whole-heart coverage in less than 2 min. NMR in Biomedicine, 2021, 34, e4409.	1.6	13
15	Non-Rigid Respiratory Motion Estimation of Whole-Heart Coronary MR Images Using Unsupervised Deep Learning. IEEE Transactions on Medical Imaging, 2021, 40, 444-454.	5.4	33
16	<sc>T1</sc>, <sc>T2,</sc> and Fat Fraction Cardiac MR Fingerprinting: Preliminary Clinical Evaluation. Journal of Magnetic Resonance Imaging, 2021, 53, 1253-1265.	1.9	27
17	LAPNet: Non-Rigid Registration Derived in k-Space for Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3686-3697.	5.4	19
18	Thrombosis and Embolism. , 2021, , 1225-1244.		0

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19	High-Spatial-Resolution 3D Whole-Heart MRI T2 Mapping for Assessment of Myocarditis. <i>Radiology</i> , 2021, 298, 578-586.	3.6	14
20	Effect of Doxycycline on Survival in Abdominal Aortic Aneurysms in a Mouse Model. <i>Contrast Media and Molecular Imaging</i> , 2021, 2021, 1-9.	0.4	3
21	MRI-Guided Motion-Corrected PET Image Reconstruction for Cardiac PET/MRI. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1768-1774.	2.8	10
22	3D whole-heart grey-blood late gadolinium enhancement cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 62.	1.6	4
23	Synergistic multi-contrast cardiac magnetic resonance image reconstruction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200197.	1.6	4
24	Visualization of elastin using cardiac magnetic resonance imaging after myocardial infarction as inflammatory response. <i>Scientific Reports</i> , 2021, 11, 11004.	1.6	5
25	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
26	Evaluation of accelerated motion-compensated 3d water/fat late gadolinium enhanced MR for atrial wall imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 877-887.	1.1	4
27	End-to-end deep learning nonrigid motion-corrected reconstruction for highly accelerated free-breathing coronary MRA. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1983-1996.	1.9	21
28	Complementary time-frequency domain networks for dynamic parallel MR image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3274-3291.	1.9	21
29	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
30	Dark-blood late gadolinium enhancement cardiovascular magnetic resonance for improved detection of subendocardial scar: a review of current techniques. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 96.	1.6	24
31	Molecular MR-Imaging in Thromboembolic Stroke Using a Fibrin-Specific Contrast Agent in Patients at 3 Tesla. <i>Clinical Neuroradiology</i> , 2021, 31, 925-931.	1.0	2
32	In vivo assessment of endothelial permeability of coronary lesions with variable degree of stenosis using an albumin-binding MR probe. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 3049-3055.	0.7	3
33	Coronary Magnetic Resonance Angiography in Chronic Coronary Syndromes. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 682924.	1.1	10
34	Assessment of Albumin ECM Accumulation and Inflammation as Novel In Vivo Diagnostic Targets for Multi-Target MR Imaging. <i>Biology</i> , 2021, 10, 964.	1.3	2
35	Assessment of hepatic fatty acids during non-alcoholic steatohepatitis progression using magnetic resonance spectroscopy. <i>Annals of Hepatology</i> , 2021, 25, 100358.	0.6	3
36	Imaging of Dysfunctional Elastogenesis in Atherosclerosis Using an Improved Gadolinium-Based Tetrameric MRI Probe Targeted to Tropoelastin. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15250-15261.	2.9	2

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37	Artificial Intelligence in Cardiac MRI: Is Clinical Adoption Forthcoming?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 818765.	1.1	13
38	Quantitative MRI of Endothelial Permeability and (Dys)function in Atherosclerosis. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
39	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. <i>Cardiovascular Research</i> , 2020, 116, 995-1005.	1.8	10
40	Whole-heart T1 mapping using a 2D fat image navigator for respiratory motion compensation. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 178-187.	1.9	6
41	Accelerated free-breathing whole-heart 3D T <sub>2</sub> mapping with high isotropic resolution. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 988-1002.	1.9	14
42	Mass Spectrometry Imaging of atherosclerosis-affine Gadofluorine following Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2020, 10, 79.	1.6	9
43	3D Whole-heart free-breathing qBOOST <sup>2</sup> mapping. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1673-1687.	1.9	10
44	Water-fat Dixon cardiac magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2107-2123.	1.9	48
45	PET/MRI of atherosclerosis. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1120-1139.	0.7	17
46	Motion-corrected 3D whole-heart water-fat high-resolution late gadolinium enhancement cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 53.	1.6	24
47	Metallostar Assemblies Based on Dithiocarbamates for Use as MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2020, 59, 10813-10823.	1.9	4
48	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2159-2170.	1.1	13
49	3D free-breathing cardiac magnetic resonance fingerprinting. <i>NMR in Biomedicine</i> , 2020, 33, e4370.	1.6	37
50	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
51	Simultaneous molecular MRI of extracellular matrix collagen and inflammatory activity to predict abdominal aortic aneurysm rupture. <i>Scientific Reports</i> , 2020, 10, 15206.	1.6	14
52	Molecular MR-Imaging for Noninvasive Quantification of the Anti-Inflammatory Effect of Targeting Interleukin-1 $\beta$ in a Mouse Model of Aortic Aneurysm. <i>Molecular Imaging</i> , 2020, 19, 153601212096187.	0.7	2
53	Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 88.	1.6	4
54	Multi-parametric liver tissue characterization using MR fingerprinting: Simultaneous T <sub>1</sub> , T <sub>2</sub> , T <sub>2</sub> <sup>*</sup> , and fat fraction mapping. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2625-2635.	1.9	50

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55	3D whole-heart isotropic-resolution motion-compensated joint T <sub>1</sub> /T <sub>2</sub> mapping and water/fat imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3009-3026.	1.9	23
56	Coronary Magnetic Resonance Angiography. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2653-2672.	2.3	25
57	Gold nanomaterials functionalised with gadolinium chelates and their application in multimodal imaging and therapy. <i>Chemical Communications</i> , 2020, 56, 4037-4046.	2.2	19
58	From Compressed-Sensing to Artificial Intelligence-Based Cardiac MRI Reconstruction. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 17.	1.1	85
59	Imaging the Extracellular Matrix in Prevalent Cardiovascular Diseases. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4001.	1.3	4
60	Targeted Molecular Iron Oxide Contrast Agents for Imaging Atherosclerotic Plaque. <i>Nanotheranostics</i> , 2020, 4, 184-194.	2.7	20
61	Noninvasive imaging of vascular permeability to predict the risk of rupture in abdominal aortic aneurysms using an albumin-binding probe. <i>Scientific Reports</i> , 2020, 10, 3231.	1.6	14
62	Contrast-free high-resolution 3D magnetization transfer imaging for simultaneous myocardial scar and cardiac vein visualization. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 627-640.	1.1	4
63	Combined Magnetic Resonance Imaging and Photodynamic Therapy Using Polyfunctionalised Nanoparticles Bearing Robust Gadolinium Surface Units. <i>Chemistry - A European Journal</i> , 2020, 26, 4552-4566.	1.7	9
64	Comprehensive multimodality characterization of hemodynamically significant and non-significant coronary lesions using invasive and noninvasive measures. <i>PLoS ONE</i> , 2020, 15, e0228292.	1.1	2
65	Respiratory motion-compensated high-resolution 3D whole-heart T1-mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 12.	1.6	23
66	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
67	Faster 3D saturation-recovery based myocardial T1 mapping using a reduced number of saturation points and denoising. <i>PLoS ONE</i> , 2020, 15, e0221071.	1.1	4
68	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
69	Isotropic 3D Cartesian single breath-hold CINE MRI with multi-bin patch-based low-rank reconstruction. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2018-2033.	1.9	20
70	Accelerated 4D Respiratory Motion-Resolved Cardiac MRI with a Model-Based Variational Network. <i>Lecture Notes in Computer Science</i> , 2020, , 427-435.	1.0	1
71	Specialized Mapping Methods in the Heart. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2020, 1, 91-121.	0.0	0
72	Title is missing!. , 2020, 15, e0228292.		0

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73	Title is missing!. , 2020, 15, e0228292.		0
74	Title is missing!. , 2020, 15, e0228292.		0
75	Title is missing!. , 2020, 15, e0228292.		0
76	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.	1.9	73
77	Imaging sequence for joint myocardial T <sub>1</sub> mapping and fat/water separation. Magnetic Resonance in Medicine, 2019, 81, 486-494.	1.9	16
78	Magnetic Resonance Fingerprinting Using Recurrent Neural Networks. , 2019, , .		18
79	Free-running simultaneous myocardial T1/T2 mapping and cine imaging with 3D whole-heart coverage and isotropic spatial resolution. Magnetic Resonance Imaging, 2019, 63, 159-169.	1.0	29
80	Clinical value of dark-blood late gadolinium enhancement cardiovascular magnetic resonance without additional magnetization preparation. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 44.	1.6	43
81	Dual-probe molecular MRI for the in vivo characterization of atherosclerosis in a mouse model: Simultaneous assessment of plaque inflammation and extracellular-matrix remodeling. Scientific Reports, 2019, 9, 13827.	1.6	13
82	Atherosclerotic Plaque Imaging. Contemporary Cardiology, 2019, , 229-248.	0.0	0
83	Molecular Imaging in Ischemic Heart Disease. Current Cardiovascular Imaging Reports, 2019, 12, 31.	0.4	2
84	3D Cartesian fast interrupted steady-state (FISS) imaging. Magnetic Resonance in Medicine, 2019, 82, 1617-1630.	1.9	7
85	Free-running 3D whole heart myocardial T <sub>1</sub> mapping with isotropic spatial resolution. Magnetic Resonance in Medicine, 2019, 82, 1331-1342.	1.9	36
86	Accelerated 3D T <sub>2</sub> -weighted imaging of the prostate with 1-millimeter isotropic resolution in less than 3 minutes. Magnetic Resonance in Medicine, 2019, 82, 721-731.	1.9	11
87	Simultaneous 3D whole-heart bright-blood and black blood imaging for cardiovascular anatomy and wall assessment with interleaved T <sub>2</sub> prep-IR. Magnetic Resonance in Medicine, 2019, 82, 312-325.	1.9	8
88	Concurrent Molecular Magnetic Resonance Imaging of Inflammatory Activity and Extracellular Matrix Degradation for the Prediction of Aneurysm Rupture. Circulation: Cardiovascular Imaging, 2019, 12, e008707.	1.3	32
89	High-dimensionality undersampled patch-based reconstruction (HD-PROST) for accelerated multi-contrast MRI. Magnetic Resonance in Medicine, 2019, 81, 3705-3719.	1.9	79
90	Motion corrected water/fat whole-heart coronary MR angiography with 100% respiratory efficiency. Magnetic Resonance in Medicine, 2019, 82, 732-742.	1.9	18

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91	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. Science Translational Medicine, 2019, 11, .	5.8	56
92	Molecular and Nonmolecular Magnetic Resonance Coronary and Carotid Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 569-582.	1.1	13
93	Sparsity and locally low rank regularization for MR fingerprinting. Magnetic Resonance in Medicine, 2019, 81, 3530-3543.	1.9	46
94	Nonâ€contrast enhanced simultaneous 3D wholeâ€heart brightâ€blood pulmonary veins visualization and blackâ€blood quantification of atrial wall thickness. Magnetic Resonance in Medicine, 2019, 81, 1066-1079.	1.9	20
95	Rigid motionâ€corrected magnetic resonance fingerprinting. Magnetic Resonance in Medicine, 2019, 81, 947-961.	1.9	37
96	Respiratoryâ€and cardiac motionâ€corrected simultaneous wholeâ€heart PET and dual phase coronary MR angiography. Magnetic Resonance in Medicine, 2019, 81, 1671-1684.	1.9	11
97	Accelerated 3D T<sub>2</sub> mapping with dictionaryâ€based matching for prostate imaging. Magnetic Resonance in Medicine, 2019, 81, 1795-1805.	1.9	16
98	Noninvasive Imaging of Endothelial Damage in Patients With Different HbA1c Levels: A Proof-of-Concept Study. Diabetes, 2019, 68, 387-394.	0.3	5
99	Novel Approach for InÂVivo Detection of Vulnerable Coronary Plaques Using Molecular 3-T CMR Imaging With an Albumin-Binding Probe. JACC: Cardiovascular Imaging, 2019, 12, 297-306.	2.3	22
100	Atherosclerotic Plaque Imaging. , 2019, , 343-351.e3.		0
101	Magnetic Resonance Imaging of Coronary Arteries. , 2019, , 291-299.e5.		0
102	Optimized respiratoryâ€resolved motionâ€compensated 3<sc>D C</sc>artesian coronary <sc>MR</sc> angiography. Magnetic Resonance in Medicine, 2018, 80, 2618-2629.	1.9	27
103	Molecular imaging of cardiac remodelling after myocardial infarction. Basic Research in Cardiology, 2018, 113, 10.	2.5	88
104	Improved coronary magnetic resonance angiography using gadobenate dimeglumine in pediatric congenital heart disease. Magnetic Resonance Imaging, 2018, 49, 47-54.	1.0	4
105	Motionâ€corrected simultaneous cardiac positron emission tomography and coronary MR angiography with high acquisition efficiency. Magnetic Resonance in Medicine, 2018, 79, 339-350.	1.9	42
106	Simultaneous brightâ€and blackâ€blood wholeâ€heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. Magnetic Resonance in Medicine, 2018, 79, 1460-1472.	1.9	33
107	Technical note: Accelerated nonrigid motionâ€compensated isotropic 3D coronary <sc>MR</sc> angiography. Medical Physics, 2018, 45, 214-222.	1.6	19
108	Cardiac MR Angiography. , 2018, , 399-432.		0

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109	Atherosclerotic Plaque Imaging. , 2018, , 261-300.		2
110	Coronary MR angiography using imageâ€based respiratory motion compensation with inline correction and fixed gating efficiency. Magnetic Resonance in Medicine, 2018, 79, 416-422.	1.9	10
111	P18â€PRAVASTATIN AND MINOCYCLINE TREATMENT AFFECTS VESSEL WALL REMODELING IN A MURINE MODEL OF VASCULAR INJURY. Cardiovascular Research, 2018, 114, S6-S7.	1.8	0
112	Contrast-Enhanced Magnetic Resonance Angiography Using a Novel Elastin-Specific Molecular Probe in an Experimental Animal Model. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.4	2
113	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2018, 11, .	1.3	30
114	Dual-phase whole-heart imaging using image navigation in congenital heart disease. BMC Medical Imaging, 2018, 18, 36.	1.4	4
115	Current and Emerging Preclinical Approaches for Imaging-Based Characterization of Atherosclerosis. Molecular Imaging and Biology, 2018, 20, 869-887.	1.3	19
116	Tropoelastin. Circulation: Cardiovascular Imaging, 2018, 11, .	1.3	25
117	In Vivo Molecular Characterization of Abdominal Aortic Aneurysms Using Fibrinâ€Specific Magnetic Resonance Imaging. Journal of the American Heart Association, 2018, 7, .	1.6	9
118	Motion-corrected whole-heart PET-MR for the simultaneous visualisation of coronary artery integrity and myocardial viability: an initial clinical validation. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1975-1986.	3.3	27
119	The importance of qualitative and quantitative regional wall motion abnormality assessment at rest in pediatric coronary allograft vasculopathy. Pediatric Transplantation, 2018, 22, e13208.	0.5	5
120	MRI with gadofosveset: A potential marker for permeability in myocardial infarction. Atherosclerosis, 2018, 275, 400-408.	0.4	15
121	Accelerated magnetic resonance fingerprinting using soft-weighted key-hole (MRF-SOHO). PLoS ONE, 2018, 13, e0201808.	1.1	14
122	Molecular imaging of myocardial infarction with Gadofluorine P â€ A combined magnetic resonance and mass spectrometry imaging approach. Heliyon, 2018, 4, e00606.	1.4	12
123	Highly efficient nonrigid motionâ€corrected 3D wholeâ€heart coronary vessel wall imaging. Magnetic Resonance in Medicine, 2017, 77, 1894-1908.	1.9	85
124	Molecular Imaging of Abdominal Aortic Aneurysms. Trends in Molecular Medicine, 2017, 23, 150-164.	3.5	24
125	3D myocardial <i>T</i> <sub>1</sub> mapping using saturation recovery. Journal of Magnetic Resonance Imaging, 2017, 46, 218-227.	1.9	43
126	In Vivo High-Frequency Ultrasound for the Characterization of Thrombi Associated with Aortic Aneurysms in an Experimental Mouse Model. Ultrasound in Medicine and Biology, 2017, 43, 2882-2890.	0.7	3



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127	Clinical evaluation of three-dimensional late enhancement MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1675-1683.	1.9	14
128	Influence of acquired obesity on coronary vessel wall late gadolinium enhancement in discordant monozygote twins. <i>European Radiology</i> , 2017, 27, 4612-4618.	2.3	4
129	CATCHing the High-Risk Coronary Plaques by Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 649-651.	2.3	0
130	Molecular imaging of the extracellular matrix in the context of atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 49-60.	6.6	28
131	In vivo MR-angiography for the assessment of aortic aneurysms in an experimental mouse model on a clinical MRI scanner: Comparison with high-frequency ultrasound and histology. <i>PLoS ONE</i> , 2017, 12, e0178682.	1.1	1
132	Contrast-enhanced magnetic resonance imaging for the detection of ruptured coronary plaques in patients with acute myocardial infarction. <i>PLoS ONE</i> , 2017, 12, e0188292.	1.1	12
133	Gadolinium and Platinum in Tandem: Real-time Multi-Modal Monitoring of Drug Delivery by MRI and Fluorescence Imaging. <i>Nanotheranostics</i> , 2017, 1, 186-195.	2.7	11
134	Improved segmented modified Look-Locker inversion recovery T1 mapping sequence in mice. <i>PLoS ONE</i> , 2017, 12, e0187621.	1.1	9
135	Cardiac magnetic resonance feature tracking in Kawasaki disease convalescence. <i>Annals of Pediatric Cardiology</i> , 2017, 10, 18-25.	0.2	18
136	Increased Vascular Permeability Measured With an Albumin-Binding Magnetic Resonance Contrast Agent Is a Surrogate Marker of Rupture-Prone Atherosclerotic Plaque. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	22
137	Molecular Cardiovascular Magnetic Resonance: Current Status and Future Prospects. <i>Current Cardiology Reports</i> , 2016, 18, 47.	1.3	4
138	An Integrated Software Application for Non-invasive Assessment of Local Aortic Haemodynamic Parameters. <i>Procedia Computer Science</i> , 2016, 90, 2-8.	1.2	2
139	A clinical combined gadobutrol bolus and slow infusion protocol enabling angiography, inversion recovery whole heart, and late gadolinium enhancement imaging in a single study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 66.	1.6	11
140	Coronary and Perfusion Imaging with Cardiovascular Magnetic Resonance: Current State of the Art. , 2016, , 1-17.		0
141	Highly efficient motion-corrected simultaneous cardiac PET-MR imaging. , 2016, , .		0
142	Whole-heart coronary MR angiography using image-based navigation for the detection of coronary anomalies in adult patients with congenital heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 947-955.	1.9	19
143	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
144	A bisphosphonate for <sup>19</sup> F-magnetic resonance imaging. <i>Journal of Fluorine Chemistry</i> , 2016, 184, 58-64.	0.9	9

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145	Bone marrow transplantation modulates tissue macrophage phenotype and enhances cardiac recovery after subsequent acute myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 90, 120-128.	0.9	12
146	Molecular magnetic resonance imaging of atherosclerotic vessel wall disease. <i>European Radiology</i> , 2016, 26, 910-920.	2.3	13
147	Aortic length measurements for pulse wave velocity calculation: manual 2D vs automated 3D centreline extraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 32.	1.6	14
148	Diagnostic performance of image navigated coronary CMR angiography in patients with coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 68.	1.6	21
149	Dark-blood late gadolinium enhancement without additional magnetization preparation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 64.	1.6	52
150	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
151	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
152	100% Efficient three-dimensional coronary MR angiography with two-dimensional beat translational and bin affine motion correction. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 756-764.	1.9	38
153	Coronary artery size and origin imaging in children: a comparative study of MRI and trans-thoracic echocardiography. <i>BMC Medical Imaging</i> , 2015, 15, 48.	1.4	15
154	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
155	CMR feature tracking in Kawasaki Disease convalescence. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P366.	1.6	1
156	Aspirin-induced histone acetylation in endothelial cells enhances synthesis of the secreted isoform of netrin-1 thus inhibiting monocyte vascular infiltration. <i>British Journal of Pharmacology</i> , 2015, 172, 3548-3564.	2.7	39
157	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
158	Abnormal Myocardial Perfusion in Kawasaki Disease Convalescence. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 106-108.	2.3	18
159	2D phase contrast blood flow velocity measurements of the thoracic vasculature: comparison of the effect of gadofosveset trisodium and gadopentetate dimeglumine. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 409-416.	0.7	3
160	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2258-2270.	5.4	97
161	Combined coronary lumen and vessel wall magnetic resonance imaging with i-T2prep: influence of nitroglycerin. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 77-82.	0.7	2
162	Development of a tropoelastin-binding MR contrast agent for in vivo imaging of impaired elastogenesis in atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O102.	1.6	1

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163	Automatic scar segmentation in dual inversion recovery images is more consistent with manual outlining than in conventional inversion recovery images. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O48.	1.6	0
164	Whole-heart contrast enhanced coronary magnetic resonance angiography using respiratory image based navigation in patients with congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	1.6	0
165	Multi-sequence non-contrast MRI characterization of deep vein thrombosis in man. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P10.	1.6	0
166	A segmented modified look-locker inversion recovery (MOLLI) sequence for high heart rate T1 mapping of mice. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P120.	1.6	1
167	Volumetric black-blood imaging of aortic dissection using T2 prepared inversion recovery. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	1.6	4
168	Coronary MR Angiography in patients with coronary artery disease using image-based respiratory motion compensation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P85.	1.6	0
169	Increased vascular permeability is a surrogate marker of atherosclerotic plaque instability. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, Q111.	1.6	3
170	Coronary MR Imaging. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1153-1155.	2.3	1
171	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
172	Monitoring Vascular Permeability and Remodeling After Endothelial Injury in a Murine Model Using a Magnetic Resonance Albumin-Binding Contrast Agent. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	13
173	Cardiovascular magnetic resonance phase contrast imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 71.	1.6	184
174	Coronary Magnetic Resonance Angiography in Heterotopic Heart Transplant Recipient. <i>Circulation</i> , 2014, 129, 1453-1455.	1.6	2
175	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
176	Contrast-enhanced cardiovascular magnetic resonance imaging of coronary vessel wall: state of art. <i>Expert Review of Cardiovascular Therapy</i> , 2014, 12, 255-263.	0.6	5
177	Individualized cardiovascular risk assessment by cardiovascular magnetic resonance. <i>Future Cardiology</i> , 2014, 10, 273-289.	0.5	20
178	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
179	Assessment of inflammation with a very small iron oxide particle in a murine model of reperfused myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 598-608.	1.9	16
180	Role of miR-195 in Aortic Aneurysmal Disease. <i>Circulation Research</i> , 2014, 115, 857-866.	2.0	93

#	ARTICLE	IF	CITATIONS
181	Rats Fed Diets with Different Energy Contribution from Fat Do Not Differ in Adiposity. <i>Obesity Facts</i> , 2014, 7, 302-310.	1.6	9
182	Molecular imaging of myocardial infarction. <i>Basic Research in Cardiology</i> , 2014, 109, 397.	2.5	26
183	CMRA with 100% navigator efficiency with 3D self navigation and interleaved scanning. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, O8.	1.6	11
184	Plaque Trek. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1000-1001.	1.2	1
185	Current Development of Molecular Coronary Plaque Imaging using Magnetic Resonance Imaging towards Clinical Application. <i>Current Cardiovascular Imaging Reports</i> , 2014, 7, 1.	0.4	1
186	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
187	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. <i>Nanoscale</i> , 2014, 6, 8376-8386.	2.8	48
188	Coronary Vessel Wall Contrast Enhancement Imaging as a Potential Direct Marker of Coronary Involvement. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 762-770.	2.3	46
189	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
190	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). <i>International Journal of Cardiology</i> , 2014, 177, 287-291.	0.8	21
191	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
192	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
193	Abstract 18706: Multi-Sequence Non-Contrast MRI Characterisation of Experimental Venous Thrombi Predicts Susceptibility to Lysis and is Feasible in Man. <i>Circulation</i> , 2014, 130, .	1.6	0
194	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
195	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
196	Magnetic Resonance Coronary Angiography: Where Are We Today?. <i>Current Cardiology Reports</i> , 2013, 15, 328.	1.3	19
197	Protein kinase G oxidation is a major cause of injury during sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9909-9913.	3.3	47
198	Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. <i>Circulation</i> , 2013, 128, 1244-1255.	1.6	33

#	ARTICLE	IF	CITATIONS
199	Hyperemic stress myocardial perfusion cardiovascular magnetic resonance in mice at 3 Tesla: initial experience and validation against microspheres. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 62.	1.6	13
200	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
201	Bisphosphonate-Anchored PEGylation and Radiolabeling of Superparamagnetic Iron Oxide: Long-Circulating Nanoparticles for <i>in Vivo</i> Multimodal (T1 MRI-SPECT) Imaging. <i>ACS Nano</i> , 2013, 7, 500-512.	7.3	253
202	Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. <i>European Radiology</i> , 2013, 23, 115-124.	2.3	22
203	MR Imaging of the Arterial Vessel Wall: Molecular Imaging from Bench to Bedside. <i>Radiology</i> , 2013, 269, 34-51.	3.6	42
204	Contrast-enhanced specific absorption rate-efficient 3D cardiac cine with respiratory-triggered radiofrequency gating. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 986-992.	1.9	8
205	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
206	Advanced Respiratory Motion Compensation for Coronary MR Angiography. <i>Sensors</i> , 2013, 13, 6882-6899.	2.1	34
207	Positron Emission Tomography/Computed Tomographic and Magnetic Resonance Imaging in a Murine Model of Progressive Atherosclerosis Using <sup>64</sup> Cu-Labeled Glycoprotein VI-Fc. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 957-964.	1.3	17
208	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
209	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
210	Multimodality Imaging of Subclinical Aortic Atherosclerosis. <i>Hypertension</i> , 2013, 61, 609-614.	1.3	37
211	Detection and Grading of Coronary Allograft Vasculopathy in Children With Contrast-Enhanced Magnetic Resonance Imaging of the Coronary Vessel Wall. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 91-98.	1.3	34
212	Left-sided Pulmonary Venous Pathway Obstruction after Mustard Operation. <i>Congenital Heart Disease</i> , 2013, 8, 66-70.	0.0	3
213	Reconstruction of crystal stack orientations using line-source measurements in PET. , 2013, , .		0
214	Elastin-based molecular MRI of liver fibrosis. <i>Hepatology</i> , 2013, 58, 1517-1518.	3.6	38
215	Molecular MRI of Atherosclerosis. <i>Molecules</i> , 2013, 18, 14042-14069.	1.7	26
216	Mid-regional pro-atrial natriuretic peptide as a prognostic marker for all-cause mortality in patients with symptomatic coronary artery disease. <i>Clinical Science</i> , 2012, 123, 601-610.	1.8	11

#	ARTICLE	IF	CITATIONS
217	MRI-based prediction of adverse cardiac remodeling after murine myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H309-H314.	1.5	19
218	Molecular Imaging of Early $\beta_2$ Integrin Expression Predicts Long-Term Left-Ventricle Remodeling After Myocardial Infarction in Rats. Journal of Nuclear Medicine, 2012, 53, 318-323.	2.8	64
219	Three-dimensional Dual-Phase Whole-Heart MR Imaging: Clinical Implications for Congenital Heart Disease. Radiology, 2012, 263, 547-554.	3.6	32
220	Dual Inversion-Recovery MR Imaging Sequence for Reduced Blood Signal on Late Gadolinium-enhanced Images of Myocardial Scar. Radiology, 2012, 264, 242-249.	3.6	23
221	Ex vivo imaging of injured arteries in rabbits using fluorescence-labelled glycoprotein VI-Fc. Platelets, 2012, 23, 1-6.	1.1	10
222	Platelets in Cardiovascular Imaging. Current Vascular Pharmacology, 2012, 10, 619-625.	0.8	4
223	Three-Dimensional Imaging of the Aortic Vessel Wall Using an Elastin-Specific Magnetic Resonance Contrast Agent. Investigative Radiology, 2012, 47, 438-444.	3.5	35
224	Advances in molecular imaging of atherosclerosis and myocardial infarction: shedding new light on in vivo cardiovascular biology. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1397-H1410.	1.5	12
225	A Self-Normalization Reconstruction Technique for PET Scans Using the Positron Emission Data. IEEE Transactions on Medical Imaging, 2012, 31, 2234-2240.	5.4	27
226	In vivo assessment of intraplaque and endothelial fibrin in ApoE <sup>-/-</sup> mice by molecular MRI. Atherosclerosis, 2012, 222, 43-49.	0.4	40
227	Evaluation of phase-sensitive versus magnitude reconstructed inversion recovery imaging for the assessment of myocardial infarction in mice with a clinical magnetic resonance scanner. Journal of Magnetic Resonance Imaging, 2012, 36, 1372-1382.	1.9	9
228	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.	1.6	26
229	Contrast Enhancement Imaging in Coronary Arteries in SLE. JACC: Cardiovascular Imaging, 2012, 5, 962-964.	2.3	12
230	MRI of atherosclerosis: from mouse to man. Imaging in Medicine, 2012, 4, 41-58.	0.0	1
231	Cardiovascular Magnetic Resonance Imaging in Small Animals. Progress in Molecular Biology and Translational Science, 2012, 105, 227-261.	0.9	14
232	Contrast enhancement imaging in coronary arteries in patients with systemic lupus erythematosus. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	1
233	First pass vasodilator-stress myocardial perfusion CMR in mice on a whole-body 3Tesla scanner: validation against microspheres. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	0
234	Cross-sectional and In-plane coronary vessel wall imaging using a local inversion prepulse and spiral readout: A comparison between 1.5 and 3 tesla. Journal of Magnetic Resonance Imaging, 2012, 35, 969-975.	1.9	6

#	ARTICLE	IF	CITATIONS
235	Accelerating three-dimensional molecular cardiovascular MR imaging using compressed sensing. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1362-1371.	1.9	6
236	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
237	Whole-heart coronary MR angiography with 2D self-navigated image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 437-445.	1.9	135
238	Arterial spin labeling angiography using a triple inversion recovery prepulse. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 477-483.	1.9	3
239	Molecular MRI of Atherosclerosis Burden. <i>Current Cardiovascular Imaging Reports</i> , 2012, 5, 26-35.	0.4	0
240	Green Fluorescent Protein (GFP) Color Reporter Gene Visualizes Parvovirus B19 Non-Structural Segment 1 (NS1) Transfected Endothelial Modification. <i>PLoS ONE</i> , 2012, 7, e33602.	1.1	2
241	Noninvasive Assessment of Atherosclerotic Plaque Progression in ApoE <sup>0/0</sup> Mice Using Susceptibility Gradient Mapping. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 295-303.	1.3	45
242	Congenital Heart Disease: Cardiovascular MR Imaging by Using an Intravascular Blood Pool Contrast Agent. <i>Radiology</i> , 2011, 260, 680-688.	3.6	38
243	Right Atrial Scar Detection after Catheter Ablation. <i>Academic Radiology</i> , 2011, 18, 488-494.	1.3	7
244	Imaging of injured and atherosclerotic arteries in mice using fluorescence-labeled glycoprotein VI-Fc. <i>European Journal of Radiology</i> , 2011, 79, e63-e69.	1.2	15
245	Magnetic resonance imaging of myocardial injury and ventricular torsion after marathon running. <i>Clinical Science</i> , 2011, 120, 143-152.	1.8	55
246	Assessment of atherosclerotic plaque burden with an elastin-specific magnetic resonance contrast agent. <i>Nature Medicine</i> , 2011, 17, 383-388.	15.2	161
247	Coronary Imaging With Cardiovascular Magnetic Resonance: Current State of the Art. <i>Progress in Cardiovascular Diseases</i> , 2011, 54, 240-252.	1.6	25
248	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
249	Modified quadruple inversion recovery prepulse for arterial spin labeling angiography without the need of subtraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, .	1.6	1
250	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
251	Zoom imaging for rapid aortic vessel wall imaging and cardiovascular risk assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 279-285.	1.9	15
252	Accelerated aortic imaging using small field of view imaging and electrocardiogram-triggered quadruple inversion recovery magnetization preparation. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1176-1183.	1.9	5

#	ARTICLE	IF	CITATIONS
253	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
254	Sparse crystal setting and large axial FOV for integrated whole-body PET/MR. , 2011, , .		8
255	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
256	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. <i>Clinical Chemistry</i> , 2011, 57, 898-904.	1.5	26
257	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
258	T1-weighted MRI for the detection of coronary artery plaque haemorrhage. <i>European Radiology</i> , 2010, 20, 2817-2823.	2.3	11
259	Molecular Imaging of Thrombosis. <i>Current Cardiovascular Imaging Reports</i> , 2010, 3, 34-41.	0.4	2
260	Local erythropoietin and endothelial progenitor cells improve regional cardiac function in acute myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 43.	0.7	10
261	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.	1.9	50
262	Firstâ€pass contrastâ€enhanced myocardial perfusion MRI in mice on a 3â€ clinical MR scanner. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1592-1598.	1.9	48
263	Whole-heart magnetic resonance imaging for visualization of venous anatomy and myocardial scar using slow infusion of Gd-BOPTA in single exam. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	1.6	0
264	Detection of in vivo atherosclerotic plaque progression with a fibrin-targeted MR contrast agent. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	1.6	0
265	Spin-spoiler: a novel arterial spin labeling technique without the need of subtraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	1.6	0
266	Visualization of Coronary Wall Atherosclerosis in Asymptomatic Subjects and Patients with Coronary Artery Disease Using Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2010, 5, e12998.	1.1	23
267	Constitutive glycogen synthase kinase-3 $\beta$ activity protects against chronic $\beta$ -adrenergic remodelling of the heart. <i>Cardiovascular Research</i> , 2010, 87, 494-503.	1.8	27
268	Cardiovascular MRI in small animals. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 35-47.	0.6	5
269	Magnetic Conjugated Polymer Nanoparticles as Bimodal Imaging Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 9833-9842.	6.6	164
270	Atherosclerotic Plaque Imaging. , 2010, , 351-361.		0



#	ARTICLE	IF	CITATIONS
271	Coronary Artery and Vein Imaging. , 2010, , 284-298.		1
272	Combined Reporter Gene PET and Iron Oxide MRI for Monitoring Survival and Localization of Transplanted Cells in the Rat Heart. Journal of Nuclear Medicine, 2009, 50, 1088-1094.	2.8	110
273	Molecular Magnetic Resonance Imaging of Myocardial Perfusion With EP-3600, a Collagen-Specific Contrast Agent. Circulation, 2009, 119, 1768-1775.	1.6	58
274	MRI of subclinical coronary atherosclerosis. Current Cardiovascular Imaging Reports, 2009, 2, 95-105.	0.4	0
275	Serial Contrast-Enhanced Cardiac Magnetic Resonance Imaging Demonstrates Regression of Hyperenhancement Within the Coronary Artery Wall in Patients After Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2009, 2, 580-588.	2.3	111
276	Coronary Plaque Characterization by T1-Weighted Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2009, 2, 729-730.	2.3	6
277	Coronary MR angiography in children during systole and diastole using a dual cardiac phase scan of the whole heart. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	0
278	Contrast-enhanced MR imaging of pulmonary arteries: new imaging strategies using different contrast agents. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	0
279	Imaging of aortic coarctation using Gd-DTPA and Gadofosveset: a comparative study. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	0
280	Flow Targeted 3D Steady-State Free-Precession Coronary MR Angiography. Investigative Radiology, 2009, 44, 757-762.	3.5	7
281	Molecular Imaging With Targeted Contrast Agents. Topics in Magnetic Resonance Imaging, 2009, 20, 247-259.	0.7	10
282	Nucleic Acid Delivery to Magnetically-Labeled Cells in a 2D Array and at the Luminal Surface of Cell Culture Tube and Their Detection by MRI. Journal of Biomedical Nanotechnology, 2009, 5, 692-706.	0.5	22
283	Structural and functional imaging by MRI. Basic Research in Cardiology, 2008, 103, 152-160.	2.5	11
284	211 MRI of coronary vessel wall injury in a swine model of coronary intervention using an eletrostatically stabilized VSOP nanoparticle. Journal of Cardiovascular Magnetic Resonance, 2008, 10, A72.	1.6	1
285	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
286	Differential Impact of Age, Sex, and Hypertension on Aortic Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 155-159.	1.1	75
287	Relation of Left Ventricular Function, Mass, and Volume to NT-proBNP in Type 1 Diabetic Patients. Diabetes Care, 2008, 31, 968-970.	4.3	5
288	A New <sup>18</sup> F-Labeled Myocardial PET Tracer: Myocardial Uptake After Permanent and Transient Coronary Occlusion in Rats. Journal of Nuclear Medicine, 2008, 49, 1715-1722.	2.8	60

#	ARTICLE	IF	CITATIONS
289	Cardiovascular Magnetic Resonance Imaging of Atherothrombosis. , 2008, , 631-648.		0
290	Usefulness of MRI to Demonstrate the Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy with Myocardial Bridge. Cardiology, 2007, 107, 159-164.	0.6	8
291	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>. Radiology, 2007, 243, 690-695.	3.6	320
292	Subclinical Coronary and Aortic Atherosclerosis Detected by Magnetic Resonance Imaging in Type 1 Diabetes With and Without Diabetic Nephropathy. Circulation, 2007, 115, 228-235.	1.6	111
293	Subacute Thrombotic Occlusion and Spontaneous Recanalization of the Right Coronary Artery After Percutaneous Coronary Intervention for ST-Elevation Myocardial Infarction Visualized by Coronary Angiography and Cardiac Magnetic Resonance Imaging. Circulation, 2007, 116, e78-80.	1.6	2
294	Molecular MR Imaging of Human Thrombi in a Swine Model of Pulmonary Embolism Using a Fibrin-Specific Contrast Agent. Investigative Radiology, 2007, 42, 586-595.	3.5	51
295	Intraindividual Comparison of 3D Coronary MR Angiography and Coronary CT Angiography. Academic Radiology, 2007, 14, 910-916.	1.3	7
296	Delayed-Enhancement Cardiovascular Magnetic Resonance Coronary Artery Wall Imaging. Journal of the American College of Cardiology, 2007, 50, 441-447.	1.2	108
297	Coronary magnetic resonance angiography and vessel wall imaging in children with Kawasaki disease. Pediatric Radiology, 2007, 37, 666-673.	1.1	68
298	Dual cardiacâ€“respiratory gated PET: implementation and results from a feasibility study. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1447-1454.	3.3	119
299	Coronary magnetic resonance imaging: visualization of the vessel lumen and the vessel wall and molecular imaging of arteriothrombosis. European Radiology, 2006, 16, 1-14.	2.3	47
300	Radiofrequency ablation of right ventricular outflow tract tachycardia using a magnetic resonance 3D model for interactive catheter guidance. Clinical Research in Cardiology, 2006, 95, 610-613.	1.5	5
301	Characterizing radial undersampling artifacts for cardiac applications. Magnetic Resonance in Medicine, 2006, 55, 396-403.	1.9	29
302	Inversion recovery radial MRI with interleaved projection sets. Magnetic Resonance in Medicine, 2006, 55, 1150-1156.	1.9	16
303	MR coronary vessel wall imaging: Comparison between radial and spiral k-space sampling. Journal of Magnetic Resonance Imaging, 2006, 23, 757-762.	1.9	32
304	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. European Heart Journal, 2006, 27, 1732-1736.	1.0	102
305	MRI of Coronary Vessel Walls Using Radial k-Space Sampling and Steady-State Free Precession Imaging. American Journal of Roentgenology, 2006, 186, S401-S406.	1.0	19
306	Coronary magnetic resonance imaging: current state-of-the-art. Coronary Artery Disease, 2005, 16, 345-353.	0.3	7

#	ARTICLE	IF	CITATIONS
307	Cardiovascular magnetic resonance imaging of coronary atherothrombosis. <i>Journal of Nuclear Cardiology</i> , 2005, 12, 337-344.	1.4	2
308	Correction for heart rate variability improves coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 577-582.	1.9	39
309	Inherently self-calibrating non-cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1-8.	1.9	116
310	Molecular Magnetic Resonance Imaging of Atrial Clots in a Swine Model. <i>Circulation</i> , 2005, 112, 396-399.	1.6	169
311	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
312	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
313	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
314	Magnetic Resonance Imaging: Utility as a Molecular Imaging Modality. <i>Current Topics in Developmental Biology</i> , 2005, 70, 1-33.	1.0	18
315	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
316	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
317	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
318	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
319	Magnetic resonance imaging of atherosclerosis: classical and molecular imaging. , 2004, , 243-255.		0
320	Coronary Magnetic Resonance Angiography. <i>Herz</i> , 2003, 28, 90-98.	0.4	9
321	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
322	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
323	Initial experiences with in vivo intravascular coronary vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 615-619.	1.9	30
324	Coronary MR angiography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 81-99.	0.6	37

#	ARTICLE	IF	CITATIONS
325	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
326	Title is missing!. <i>Investigative Radiology</i> , 2003, 38, 263-268.	3.5	5
327	Title is missing!. <i>Investigative Radiology</i> , 2003, 38, 288-292.	3.5	3
328	Fast Interactive Real-Time Magnetic Resonance Imaging of Cardiac Masses Using Spiral Gradient Echo and Radial Steady-State Free Precession Sequences. <i>Investigative Radiology</i> , 2003, 38, 288-292.	3.5	11
329	Navigator-Gated Coronary Magnetic Resonance Angiography Using Steady-State-Free-Precession. <i>Investigative Radiology</i> , 2003, 38, 263-268.	3.5	34
330	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
331	Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease. <i>Circulation</i> , 2002, 105, 908-911.	1.6	212
332	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
333	Age and Sex Distribution of Subclinical Aortic Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 849-854.	1.1	191
334	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
335	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
336	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
337	Real-Time Motion Correction in Navigator-Gated Free-Breathing Double-Oblique Submillimeter 3D Right Coronary Artery Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 2002, 37, 632-636.	3.5	11
338	Coronary magnetic resonance imaging: Current status. <i>Current Problems in Cardiology</i> , 2002, 27, 275-333.	1.1	17
339	Comparison of fat suppression strategies in 3D spiral coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 462-466.	1.9	22
340	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
341	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
342	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

#	ARTICLE	IF	CITATIONS
343	?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
344	Technical Principles of MRA. , 2002, , 515-526.		0
345	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
346	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
347	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
348	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
349	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
350	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
351	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
352	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
353	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 206-211.	1.9	73
354	Free-Breathing Black-Blood Coronary MR Angiography: Initial Results. <i>Radiology</i> , 2001, 219, 278-283.	3.6	75
355	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	1
356	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
357	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
358	Hemodynamics in the carotid artery bifurcation:. <i>Journal of Biomechanics</i> , 2000, 33, 137-144.	0.9	151
359	Low-Cost MR-Compatible Moving Heart Phantom. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000, 2, 181-187.	1.6	22
360	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

#	ARTICLE	IF	CITATIONS
361	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. Journal of Magnetic Resonance Imaging, 1999, 10, 790-799.	1.9	156
362	A fast 3D approach for coronary MRA. Journal of Magnetic Resonance Imaging, 1999, 10, 821-825.	1.9	52
363	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. Journal of the American College of Cardiology, 1999, 34, 524-531.	1.2	327
364	Breathhold Three-Dimensional Coronary Magnetic Resonance Angiography Using Real-Time Navigator Technology. Journal of Cardiovascular Magnetic Resonance, 1999, 1, 233-238.	1.6	37
365	Monitoring of Radio Frequency Tissue Ablation in an Interventional Magnetic Resonance Environment. Investigative Radiology, 1997, 32, 671-678.	3.5	43
366	Flow quantitation with echo-planar phase-contrast velocity mapping: In vitro and in vivo evaluation. Journal of Magnetic Resonance Imaging, 1995, 5, 656-662.	1.9	47
367	Bestimmung der Liquorproduktionsrate mit Magnetresonanzmethoden. Biomedizinische Technik, 1993, 38, 347-348.	0.9	0
368	Molecular Magnetic Resonance Imaging. , 0, , 1637-1653.		0
369	Magnetization Transfer <scp>BOOST</scp> Noncontrast Angiography Improves Pulmonary Vein Imaging in Adults With Congenital Heart Disease. Journal of Magnetic Resonance Imaging, 0, , .	1.9	1