

List of Publications by Year in descending order

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335
papers

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all docs

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docs citations

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9298
citing authors

#	ARTICLE	IF	CITATIONS
1	Blackâ€Blood Contrast in Cardiovascular MRI. Journal of Magnetic Resonance Imaging, 2022, 55, 61-80.	3.4	35
2	Generalized lowâ€rank nonrigid motionâ€corrected reconstruction for MR fingerprinting. Magnetic Resonance in Medicine, 2022, 87, 746-763.	3.0	22
3	Innovations in Cardiovascular MR and PET-MR Imaging. , 2022, , 265-309.		2
4	Self-supervised learning-based diffeomorphic non-rigid motion estimation for fast motion-compensated coronary MR angiography. Magnetic Resonance Imaging, 2022, 85, 10-18.	1.8	7
5	Simultaneous comprehensive liver $T_{1\rho}$, $T_{2\rho}$, $T_{1\rho}$, and fat fraction characterization with MR fingerprinting. Magnetic Resonance in Medicine, 2022, 87, 1980-1991.	3.0	15
6	Simultaneous $T_{1\rho}$, $T_{2\rho}$, and $T_{1\rho}$ cardiac magnetic resonance fingerprinting for contrast agentâ€free myocardial tissue characterization. Magnetic Resonance in Medicine, 2022, 87, 1992-2002.	3.0	21
7	Whole-heart non-rigid motion corrected coronary MRA with autofocus virtual 3D iNAV. Magnetic Resonance Imaging, 2022, 87, 169-176.	1.8	7
8	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.	1.2	13
9	Efficient non-contrast enhanced 3D Cartesian cardiovascular magnetic resonance angiography of the thoracic aorta in 3Âmin. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 5.	3.3	4
10	Myocardial T_1 , T_2 , T_2^* , and fat fraction quantification via lowâ€rank motionâ€corrected cardiac MR fingerprinting. Magnetic Resonance in Medicine, 2022, 87, 2757-2774.	3.0	21
11	Non-rigid motion-corrected free-breathing 3D myocardial Dixon LGE imaging in a clinical setting. European Radiology, 2022, 32, 4340-4351.	4.5	5
12	High-resolution non-contrast free-breathing coronary cardiovascularâ€magnetic resonance angiography for detection of coronary artery disease: validation against invasive coronary angiography. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 26.	3.3	10
13	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.	1.8	4
14	3D Dixon water-fat LGE imaging with image navigator and compressed sensing in cardiac MRI. European Radiology, 2021, 31, 3951-3961.	4.5	17
15	Quantitative magnetization transfer imaging for nonâ€contrast enhanced detection of myocardial fibrosis. Magnetic Resonance in Medicine, 2021, 85, 2069-2083.	3.0	1
16	Fully selfâ€gated freeâ€running 3D Cartesian cardiac CINE with isotropic wholeâ€heart coverage in less than 2 min. NMR in Biomedicine, 2021, 34, e4409.	2.8	13
17	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
18	T_1 , T_2 , and Fat Fraction Cardiac MR Fingerprinting: Preliminary Clinical Evaluation. Journal of Magnetic Resonance Imaging, 2021, 53, 1253-1265.	3.4	27

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19	LAPNet: Non-Rigid Registration Derived in k-Space for Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3686-3697.	8.9	19
20	High-Spatial-Resolution 3D Whole-Heart MRI T2 Mapping for Assessment of Myocarditis. Radiology, 2021, 298, 578-586.	7.3	14
21	Effect of Doxycycline on Survival in Abdominal Aortic Aneurysms in a Mouse Model. Contrast Media and Molecular Imaging, 2021, 2021, 1-9.	0.8	3
22	MRI-Guided Motion-Corrected PET Image Reconstruction for Cardiac PET/MRI. Journal of Nuclear Medicine, 2021, 62, 1768-1774.	5.0	10
23	3D whole-heart grey-blood late gadolinium enhancement cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 62.	3.3	4
24	Synergistic multi-contrast cardiac magnetic resonance image reconstruction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200197.	3.4	4
25	Visualization of elastin using cardiac magnetic resonance imaging after myocardial infarction as inflammatory response. Scientific Reports, 2021, 11, 11004.	3.3	5
26	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. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 57.	3.3	28
27	Evaluation of accelerated motion-compensated 3d water/fat late gadolinium enhanced MR for atrial wall imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 877-887.	2.0	4
28	End-to-end deep learning nonrigid motion-corrected reconstruction for highly accelerated free-breathing coronary MRA. Magnetic Resonance in Medicine, 2021, 86, 1983-1996.	3.0	21
29	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
30	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
31	Coronary Magnetic Resonance Angiography in Chronic Coronary Syndromes. Frontiers in Cardiovascular Medicine, 2021, 8, 682924.	2.4	10
32	Assessment of Albumin ECM Accumulation and Inflammation as Novel In Vivo Diagnostic Targets for Multi-Target MR Imaging. Biology, 2021, 10, 964.	2.8	2
33	Imaging of Dysfunctional Elastogenesis in Atherosclerosis Using an Improved Gadolinium-Based Tetrameric MRI Probe Targeted to Tropoelastin. Journal of Medicinal Chemistry, 2021, 64, 15250-15261.	6.4	2
34	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. Cardiovascular Research, 2020, 116, 995-1005.	3.8	10
35	Whole-heart T1 mapping using a 2D fat image navigator for respiratory motion compensation. Magnetic Resonance in Medicine, 2020, 83, 178-187.	3.0	6
36	Accelerated free-breathing whole-heart 3D T ₂ mapping with high isotropic resolution. Magnetic Resonance in Medicine, 2020, 83, 988-1002.	3.0	14

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37	Mass Spectrometry Imaging of atherosclerosis-affine Gadofluorine following Magnetic Resonance Imaging. Scientific Reports, 2020, 10, 79.	3.3	9
38	3D Whole-heart free-breathing qBOOST-T2 mapping. Magnetic Resonance in Medicine, 2020, 83, 1673-1687.	3.0	10
39	Water-fat Dixon cardiac magnetic resonance fingerprinting. Magnetic Resonance in Medicine, 2020, 83, 2107-2123.	3.0	48
40	PET/MRI of atherosclerosis. Cardiovascular Diagnosis and Therapy, 2020, 10, 1120-1139.	1.7	17
41	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
42	Metallostar Assemblies Based on Dithiocarbamates for Use as MRI Contrast Agents. Inorganic Chemistry, 2020, 59, 10813-10823.	4.0	4
43	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2159-2170.	2.4	13
44	3D free-breathing cardiac magnetic resonance fingerprinting. NMR in Biomedicine, 2020, 33, e4370.	2.8	37
45	CINENet: deep learning-based 3D cardiac CINE MRI reconstruction with multi-coil complex-valued 4D spatio-temporal convolutions. Scientific Reports, 2020, 10, 13710.	3.3	122
46	Simultaneous molecular MRI of extracellular matrix collagen and inflammatory activity to predict abdominal aortic aneurysm rupture. Scientific Reports, 2020, 10, 15206.	3.3	14
47	Molecular MR-Imaging for Noninvasive Quantification of the Anti-Inflammatory Effect of Targeting Interleukin-1 β in a Mouse Model of Aortic Aneurysm. Molecular Imaging, 2020, 19, 153601212096187.	1.4	2
48	Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 88.	3.3	4
49	Multi-parametric liver tissue characterization using MR fingerprinting: Simultaneous T ₁ , T ₂ , T ₂ *, and fat fraction mapping. Magnetic Resonance in Medicine, 2020, 84, 2625-2635.	3.0	50
50	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
51	Coronary Magnetic Resonance Angiography. JACC: Cardiovascular Imaging, 2020, 13, 2653-2672.	5.3	25
52	Gold nanomaterials functionalised with gadolinium chelates and their application in multimodal imaging and therapy. Chemical Communications, 2020, 56, 4037-4046.	4.1	19
53	From Compressed-Sensing to Artificial Intelligence-Based Cardiac MRI Reconstruction. Frontiers in Cardiovascular Medicine, 2020, 7, 17.	2.4	85
54	Imaging the Extracellular Matrix in Prevalent Cardiovascular Diseases. Applied Sciences (Switzerland), 2020, 10, 4001.	2.5	4

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55	Targeted Molecular Iron Oxide Contrast Agents for Imaging Atherosclerotic Plaque. Nanotheranostics, 2020, 4, 184-194.	5.2	20
56	Noninvasive imaging of vascular permeability to predict the risk of rupture in abdominal aortic aneurysms using an albumin-binding probe. Scientific Reports, 2020, 10, 3231.	3.3	14
57	Contrast-free high-resolution 3D magnetization transfer imaging for simultaneous myocardial scar and cardiac vein visualization. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 627-640.	2.0	4
58	Combined Magnetic Resonance Imaging and Photodynamic Therapy Using Polyfunctionalised Nanoparticles Bearing Robust Gadolinium Surface Units. Chemistry - A European Journal, 2020, 26, 4552-4566.	3.3	9
59	Comprehensive multimodality characterization of hemodynamically significant and non-significant coronary lesions using invasive and noninvasive measures. PLoS ONE, 2020, 15, e0228292.	2.5	2
60	Respiratory motion-compensated high-resolution 3D whole-heart T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 12.	3.3	23
61	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
62	Faster 3D saturation-recovery based myocardial T1 mapping using a reduced number of saturation points and denoising. PLoS ONE, 2020, 15, e0221071.	2.5	4
63	3D whole-heart isotropic sub-millimeter resolution coronary magnetic resonance angiography with non-rigid motion-compensated PROST. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 24.	3.3	37
64	Isotropic 3D Cartesian single breath-hold CINE MRI with multi-bin patch-based low-rank reconstruction. Magnetic Resonance in Medicine, 2020, 84, 2018-2033.	3.0	20
65	Accelerated 4D Respiratory Motion-Resolved Cardiac MRI with a Model-Based Variational Network. Lecture Notes in Computer Science, 2020, , 427-435.	1.3	1
66	Specialized Mapping Methods in the Heart. Advances in Magnetic Resonance Technology and Applications, 2020, 1, 91-121.	0.1	0
67	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
68	Imaging sequence for joint myocardial T1 mapping and fat/water separation. Magnetic Resonance in Medicine, 2019, 81, 486-494.	3.0	16
69	Magnetic Resonance Fingerprinting Using Recurrent Neural Networks. , 2019, , .		18
70	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.	1.8	29
71	Clinical value of dark-blood late gadolinium enhancement cardiovascular magnetic resonance without additional magnetization preparation. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 44.	3.3	43
72	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.	3.3	13

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73	Atherosclerotic Plaque Imaging. Contemporary Cardiology, 2019, , 229-248.	0.1	0
74	Molecular Imaging in Ischemic Heart Disease. Current Cardiovascular Imaging Reports, 2019, 12, 31.	0.6	2
75	3D Cartesian fast interrupted steady-state (FISS) imaging. Magnetic Resonance in Medicine, 2019, 82, 1617-1630.	3.0	7
76	Free-running 3D whole heart myocardial T1 mapping with isotropic spatial resolution. Magnetic Resonance in Medicine, 2019, 82, 1331-1342.	3.0	36
77	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
78	Accelerated 3D T2-weighted imaging of the prostate with 1-millimeter isotropic resolution in less than 3 minutes. Magnetic Resonance in Medicine, 2019, 82, 721-731.	3.0	11
79	Simultaneous 3D whole-heart bright-blood and black blood imaging for cardiovascular anatomy and wall assessment with interleaved T2 prepulse. Magnetic Resonance in Medicine, 2019, 82, 312-325.	3.0	8
80	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
81	High-dimensional undersampled patch-based reconstruction (HD-PROST) for accelerated multi-contrast MRI. Magnetic Resonance in Medicine, 2019, 81, 3705-3719.	3.0	79
82	Motion corrected water/fat whole-heart coronary MR angiography with 100% respiratory efficiency. Magnetic Resonance in Medicine, 2019, 82, 732-742.	3.0	18
83	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. Science Translational Medicine, 2019, 11, .	12.4	56
84	Molecular and Nonmolecular Magnetic Resonance Coronary and Carotid Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 569-582.	2.4	13
85	Sparsity and locally low rank regularization for MR fingerprinting. Magnetic Resonance in Medicine, 2019, 81, 3530-3543.	3.0	46
86	Non-contrast enhanced simultaneous 3D whole-heart bright-blood pulmonary veins visualization and black-blood quantification of atrial wall thickness. Magnetic Resonance in Medicine, 2019, 81, 1066-1079.	3.0	20
87	Rigid motion-corrected magnetic resonance fingerprinting. Magnetic Resonance in Medicine, 2019, 81, 947-961.	3.0	37
88	Respiratory- and cardiac motion-corrected simultaneous whole-heart PET and dual phase coronary MR angiography. Magnetic Resonance in Medicine, 2019, 81, 1671-1684.	3.0	11
89	Accelerated 3D T2 mapping with dictionary-based matching for prostate imaging. Magnetic Resonance in Medicine, 2019, 81, 1795-1805.	3.0	16
90	Noninvasive Imaging of Endothelial Damage in Patients With Different HbA1c Levels: A Proof-of-Concept Study. Diabetes, 2019, 68, 387-394.	0.6	5

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91	3D SASHA myocardial T1 mapping with high accuracy and improved precision. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 281-289.	2.0	12
92	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.	5.3	22
93	Atherosclerotic Plaque Imaging. , 2019, , 343-351.e3.		0
94	Magnetic Resonance Imaging of Coronary Arteries. , 2019, , 291-299.e5.		0
95	Optimized respiratoryâ€resolved motionâ€compensated 3<scp>D C</scp>artesian coronary <scp>MR</scp> angiography. Magnetic Resonance in Medicine, 2018, 80, 2618-2629.	3.0	27
96	Molecular imaging of cardiac remodelling after myocardial infarction. Basic Research in Cardiology, 2018, 113, 10.	5.9	88
97	Improved coronary magnetic resonance angiography using gadobenate dimeglumine in pediatric congenital heart disease. Magnetic Resonance Imaging, 2018, 49, 47-54.	1.8	4
98	Motionâ€corrected simultaneous cardiac positron emission tomography and coronary MR angiography with high acquisition efficiency. Magnetic Resonance in Medicine, 2018, 79, 339-350.	3.0	42
99	Simultaneous brightâ€and blackâ€blood wholeâ€heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. Magnetic Resonance in Medicine, 2018, 79, 1460-1472.	3.0	33
100	Technical note: Accelerated nonrigid motionâ€compensated isotropic 3D coronary <scp>MR</scp> angiography. Medical Physics, 2018, 45, 214-222.	3.0	19
101	Cardiac MR Angiography. , 2018, , 399-432.		0
102	Atherosclerotic Plaque Imaging. , 2018, , 261-300.		2
103	Coronary MR angiography using imageâ€based respiratory motion compensation with inline correction and fixed gating efficiency. Magnetic Resonance in Medicine, 2018, 79, 416-422.	3.0	10
104	P18â€fPRAVASTATIN AND MINOCYCLINE TREATMENT AFFECTS VESSEL WALL REMODELING IN A MURINE MODEL OF VASCULAR INJURY. Cardiovascular Research, 2018, 114, S6-S7.	3.8	0
105	P52 ESTIMATING CENTRAL BLOOD PRESSURE FROM MRI DATA USING REDUCED-ORDER COMPUTATIONAL MODELS. Artery Research, 2018, 24, 93.	0.6	0
106	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.	0.8	2
107	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	30
108	Dual-phase whole-heart imaging using image navigation in congenital heart disease. BMC Medical Imaging, 2018, 18, 36.	2.7	4

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109	Current and Emerging Preclinical Approaches for Imaging-Based Characterization of Atherosclerosis. Molecular Imaging and Biology, 2018, 20, 869-887.	2.6	19
110	Tropoelastin. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	25
111	Cardiac MR Motion Artefact Correction from K-space Using Deep Learning-Based Reconstruction. Lecture Notes in Computer Science, 2018, , 21-29.	1.3	18
112	In Vivo Molecular Characterization of Abdominal Aortic Aneurysms Using Fibrinâ€¢Specific Magnetic Resonance Imaging. Journal of the American Heart Association, 2018, 7, .	3.7	9
113	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.	6.4	27
114	The importance of qualitative and quantitative regional wall motion abnormality assessment at rest in pediatric coronary allograft vasculopathy. Pediatric Transplantation, 2018, 22, e13208.	1.0	5
115	MRI with gadofosveset: A potential marker for permeability in myocardial infarction. Atherosclerosis, 2018, 275, 400-408.	0.8	15
116	Accelerated magnetic resonance fingerprinting using soft-weighted key-hole (MRF-SOHO). PLoS ONE, 2018, 13, e0201808.	2.5	14
117	Molecular imaging of myocardial infarction with Gadofluorine P â€“ A combined magnetic resonance and mass spectrometry imaging approach. Heliyon, 2018, 4, e00606.	3.2	12
118	Technical Advances and Clinical Perspectives in Coronary MR Imaging. , 2018, , 321-344.		0
119	Highly efficient nonrigid motionâ€¢corrected 3D wholeâ€¢heart coronary vessel wall imaging. Magnetic Resonance in Medicine, 2017, 77, 1894-1908.	3.0	85
120	Molecular Imaging of Abdominal Aortic Aneurysms. Trends in Molecular Medicine, 2017, 23, 150-164.	6.7	24
121	3D myocardial <i>T</i> ₁ mapping using saturation recovery. Journal of Magnetic Resonance Imaging, 2017, 46, 218-227.	3.4	43
122	Influence of acquired obesity on coronary vessel wall late gadolinium enhancement in discordant monozygote twins. European Radiology, 2017, 27, 4612-4618.	4.5	4
123	CATCHing the High-Risk Coronary Plaques by Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2017, 10, 649-651.	5.3	0
124	Molecular imaging of the extracellular matrix in the context of atherosclerosis. Advanced Drug Delivery Reviews, 2017, 113, 49-60.	13.7	28
125	Contrast-enhanced magnetic resonance imaging for the detection of ruptured coronary plaques in patients with acute myocardial infarction. PLoS ONE, 2017, 12, e0188292.	2.5	12
126	Improved segmented modified Look-Locker inversion recovery T1 mapping sequence in mice. PLoS ONE, 2017, 12, e0187621.	2.5	9

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127	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, .	2.6	22
128	Molecular Cardiovascular Magnetic Resonance: Current Status and Future Prospects. <i>Current Cardiology Reports</i> , 2016, 18, 47.	2.9	4
129	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.	3.3	11
130	Coronary and Perfusion Imaging with Cardiovascular Magnetic Resonance: Current State of the Art. , 2016, , 1-17.		0
131	Highly efficient motion-corrected simultaneous cardiac PET-MR imaging. , 2016, , .		0
132	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.	3.4	19
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	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.	1.9	12
135	Molecular magnetic resonance imaging of atherosclerotic vessel wall disease. <i>European Radiology</i> , 2016, 26, 910-920.	4.5	13
136	Diagnostic performance of image navigated coronary CMR angiography in patients with coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 68.	3.3	21
137	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.	3.3	32
138	“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
139	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
140	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.	2.7	15
141	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
142	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
143	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.	1.5	3
144	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2258-2270.	8.9	97

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145	Combined coronary lumen and vessel wall magnetic resonance imaging with i-T2prep: influence of nitroglycerin. International Journal of Cardiovascular Imaging, 2015, 31, 77-82.	1.5	2
146	Coronary MR Imaging. JACC: Cardiovascular Imaging, 2015, 8, 1153-1155.	5.3	1
147	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
148	Cardiovascular magnetic resonance phase contrast imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 71.	3.3	184
149	Coronary Magnetic Resonance Angiography in Heterotopic Heart Transplant Recipient. Circulation, 2014, 129, 1453-1455.	1.6	2
150	Assessment of Myocardial Infarction and Postinfarction Scar Remodeling With an Elastin-Specific Magnetic Resonance Agent. Circulation: Cardiovascular Imaging, 2014, 7, 321-329.	2.6	41
151	Contrast-enhanced cardiovascular magnetic resonance imaging of coronary vessel wall: state of art. Expert Review of Cardiovascular Therapy, 2014, 12, 255-263.	1.5	5
152	Individualized cardiovascular risk assessment by cardiovascular magnetic resonance. Future Cardiology, 2014, 10, 273-289.	1.2	20
153	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. Radiology, 2014, 271, 390-399.	7.3	29
154	Assessment of inflammation with a very small iron-oxide particle in a murine model of reperfused myocardial infarction. Journal of Magnetic Resonance Imaging, 2014, 39, 598-608.	3.4	16
155	Role of miR-195 in Aortic Aneurysmal Disease. Circulation Research, 2014, 115, 857-866.	4.5	93
156	CMRA with 100% navigator efficiency with 3D self navigation and interleaved scanning. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O8.	3.3	11
157	Current Development of Molecular Coronary Plaque Imaging using Magnetic Resonance Imaging towards Clinical Application. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	1
158	In Vivo Assessment of Aortic Aneurysm Wall Integrity Using Elastin-Specific Molecular Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2014, 7, 679-689.	2.6	43
159	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. Nanoscale, 2014, 6, 8376-8386.	5.6	48
160	High-frequency speckle tracking echocardiography in the assessment of left ventricular function and remodeling after murine myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1371-H1383.	3.2	90
161	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). International Journal of Cardiology, 2014, 177, 287-291.	1.7	21
162	Fibrin-Targeted Magnetic Resonance Imaging Allows In Vivo Quantification of Thrombus Fibrin Content and Identifies Thrombi Amenable for Thrombolysis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1193-1198.	2.4	54

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163	Whole-Heart Coronary ¹MRA with 3D Affine Motion Correction Using 3D Image-Based Navigation. Magnetic Resonance in Medicine, 2014, 71, 173-181.	3.0	42
164	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
165	Prospective respiratory motion correction for coronary MR angiography using a 2D image navigator. Magnetic Resonance in Medicine, 2013, 69, 486-494.	3.0	46
166	Magnetic Resonance Coronary Angiography: Where Are We Today?. Current Cardiology Reports, 2013, 15, 328.	2.9	19
167	Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. Circulation, 2013, 128, 1244-1255.	1.6	33
168	Hyperemic stress myocardial perfusion cardiovascular magnetic resonance in mice at 3 Tesla: initial experience and validation against microspheres. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 62.	3.3	13
169	The emerging role of cardiovascular magnetic resonance in the evaluation of Kawasaki disease. International Journal of Cardiovascular Imaging, 2013, 29, 1787-1798.	1.5	28
170	Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. European Radiology, 2013, 23, 115-124.	4.5	22
171	MR Imaging of the Arterial Vessel Wall: Molecular Imaging from Bench to Bedside. Radiology, 2013, 269, 34-51.	7.3	42
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