

Matthias Stuber

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

267
papers

12,279
citations

59
h-index

102
g-index

283
ext. papers

13,691
ext. citations

6.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
267	Pilot tone navigation for respiratory and cardiac motion-resolved free-running 5D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2022 , 87, 718-732	4.4	2
266	Endogenous assessment of myocardial injury with single-shot model-based non-rigid motion-corrected T1 rho mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 119	6.9	2
265	Stress CMR in patients with obesity: insights from the Stress CMR Perfusion Imaging in the United States (SPINS) registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 518-527	4.1	3
264	A robust broadband fat-suppressing phaser T-preparation module for cardiac magnetic resonance imaging at 3T. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1434-1444	4.4	0
263	Motion compensated whole-heart coronary cardiovascular magnetic resonance angiography using focused navigation (fNAV). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 33	6.9	5
262	2D cine vs. 3D self-navigated free-breathing high-resolution whole heart cardiovascular magnetic resonance for aortic root measurements in congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 65	6.9	0
261	Compressed sensing with signal averaging for improved sensitivity and motion artifact reduction in fluorine-19 MRI. <i>NMR in Biomedicine</i> , 2021 , 34, e4418	4.4	2
260	Time-Dependent Deep Image Prior for Dynamic MRI. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3337-3348	11.7	11
259	Measuring coronary arterial compliance and vasomotor response noninvasively in clinical and research settings 2021 , 131-148		
258	Using 5D flow MRI to decode the effects of rhythm on left atrial 3D flow dynamics in patients with atrial fibrillation. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 3125-3139	4.4	4
257	Simulated Half-Fourier Acquisitions Single-shot Turbo Spin Echo (HASTE) of the Fetal Brain: Application to Super-Resolution Reconstruction. <i>Lecture Notes in Computer Science</i> , 2021 , 157-167	0.9	
256	Importance of residual stress and basal tone in healthy and pathological human coronary arteries 2021 , 433-461		
255	Similarity-driven multi-dimensional binning algorithm (SIMBA) for free-running motion-suppressed whole-heart MRA. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 213-229	4.4	0
254	Volumetric coronary endothelial function assessment: a feasibility study exploiting stack-of-stars 3D cine MRI and image-based respiratory self-gating. <i>NMR in Biomedicine</i> , 2021 , 34, e4589	4.4	
253	Prognostic Value of Stress Cardiac Magnetic Resonance in Patients With Known Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	2
252	Respiratory Motion-Registered Isotropic Whole-Heart T Mapping in Patients With Acute Non-ischemic Myocardial Injury. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 712383	5.4	0
251	High-resolution Free-breathing late gadolinium enhancement Cardiovascular magnetic resonance to diagnose myocardial injuries following COVID-19 infection. <i>European Journal of Radiology</i> , 2021 , 144, 109960	4.7	0

250	Deep Learning to Automate Reference-Free Image Quality Assessment of Whole-Heart MR Images. <i>Radiology: Artificial Intelligence</i> , 2020 , 2, e190123	8.7	7
249	Free-running 5D coronary MR angiography at 1.5T using LIBRE water excitation pulses. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 1470-1485	4.4	7
248	3-Dimensional magnetic resonance imaging of the freely moving human eye. <i>Progress in Neurobiology</i> , 2020 , 194, 101885	10.9	5
247	Non-invasive assessment of coronary endothelial function in children and adolescents with type 1 diabetes mellitus using isometric handgrip exercise-MRI: A feasibility study. <i>PLoS ONE</i> , 2020 , 15, e0228569	3.7	2
246	Accelerated coronary MRI with sRAKI: A database-free self-consistent neural network k-space reconstruction for arbitrary undersampling. <i>PLoS ONE</i> , 2020 , 15, e0229418	3.7	14
245	5D Flow MRI: A Fully Self-gated, Free-running Framework for Cardiac and Respiratory Motion-resolved 3D Hemodynamics. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200219	8.3	13
244	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1505-1517	8.4	24
243	Quantification of myocardial interstitial fibrosis and extracellular volume for the detection of cardiac allograft vasculopathy. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 533-542	2.5	6
242	Natively fat-suppressed 5D whole-heart MRI with a radial free-running fast-interrupted steady-state (FISS) sequence at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 45-55	4.4	12
241	Short-term changes in dietary sodium intake influence sweat sodium concentration and muscle sodium content in healthy individuals. <i>Journal of Hypertension</i> , 2020 , 38, 159-166	1.9	11
240	A quantitative comparison between a navigated Cartesian and a self-navigated radial protocol from clinical studies for free-breathing 3D whole-heart bSSFP coronary MRA. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 157-169	4.4	7
239	Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 945-957	15.1	18
238	Prognostic Value of Stress CMR Perfusion Imaging in Patients With Reduced Left Ventricular Function. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2132-2145	8.4	1
237	Lung MRI assessment with high-frequency noninvasive ventilation at 3 T. <i>Magnetic Resonance Imaging</i> , 2020 , 74, 64-73	3.3	5
236	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. <i>JAMA Cardiology</i> , 2020 , 5, 1401-1409	16.2	8
235	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1741-1755	15.1	82
234	Ultrashort echo time imaging of the lungs under high-frequency noninvasive ventilation: A new approach to lung imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1789-1797	5.6	6
233	MR Volumetry of Lung Nodules: A Pilot Study. <i>Frontiers in Medicine</i> , 2019 , 6, 18	4.9	3

232	A black-blood ultra-short echo time (UTE) sequence for 3D isotropic resolution imaging of the lungs. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3808-3818	4.4	4
231	Noncontrast free-breathing respiratory self-navigated coronary artery cardiovascular magnetic resonance angiography at 3 T using lipid insensitive binomial off-resonant excitation (LIBRE). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 38	6.9	9
230	An automated approach to fully self-gated free-running cardiac and respiratory motion-resolved 5D whole-heart MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2118-2132	4.4	28
229	Cardiovascular Magnetic Resonance Tagging for Assessment of Left Ventricular Diastolic Function 2019 , 282-290.e2		
228	In vitro optimization and comparison of CT angiography versus radial cardiovascular magnetic resonance for the quantification of cross-sectional areas and coronary endothelial function. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 11	6.9	2
227	Towards Quantification of Inflammation in Atherosclerotic Plaque in the Clinic - Characterization and Optimization of Fluorine-19 MRI in Mice at 3 T. <i>Scientific Reports</i> , 2019 , 9, 17488	4.9	4
226	Simultaneous Evaluation of Lung Anatomy and Ventilation Using 4D Respiratory-Motion-Resolved Ultrashort Echo Time Sparse MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 411-422	5.6	17
225	Reduced cortical oxygenation predicts a progressive decline of renal function in patients with chronic kidney disease. <i>Kidney International</i> , 2018 , 93, 932-940	9.9	75
224	5D whole-heart sparse MRI. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 826-838	4.4	76
223	Improved respiratory self-navigation for 3D radial acquisitions through the use of a pencil-beam 2D-T -prep for free-breathing, whole-heart coronary MRA. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1293-1303	4.4	3
222	A double echo ultra short echo time (UTE) acquisition for respiratory motion-suppressed high resolution imaging of the lung. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2297-2305	4.4	22
221	Coronary artery assessment using self-navigated free-breathing radial whole-heart magnetic resonance angiography in patients with congenital heart disease. <i>European Radiology</i> , 2018 , 28, 1267-1275	8.5	14
220	Flexible water excitation for fat-free MRI at 3T using lipid insensitive binomial off-resonant RF excitation (LIBRE) pulses. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 3007-3017	4.4	16
219	A phantom study to determine the theoretical accuracy and precision of radial MRI to measure cross-sectional area differences for the application of coronary endothelial function assessment. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 108-120	4.4	6
218	Four-dimensional respiratory motion-resolved whole heart coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1473-1484	4.4	64
217	Combined non-invasive assessment of endothelial shear stress and molecular imaging of inflammation for the prediction of inflamed plaque in hyperlipidaemic rabbit aortas. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 19-30	4.1	12
216	On the accuracy and precision of cardiac magnetic resonance T mapping: A high-resolution radial study using adiabatic T preparation at 3 T. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 159-169	4.4	12
215	Golden angle dual-inversion recovery acquisition coupled with a flexible time-resolved sparse reconstruction facilitates sequence timing in high-resolution coronary vessel wall MRI at 3 T. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 961-969	4.4	7

214	Serum calcification propensity is associated with renal tissue oxygenation and resistive index in patients with arterial hypertension or chronic kidney disease. <i>Journal of Hypertension</i> , 2017 , 35, 2044-2052	1.9	20
213	Coronary artery endothelial dysfunction is present in HIV-positive individuals without significant coronary artery disease. <i>Aids</i> , 2017 , 31, 1281-1289	3.5	22
212	Chest-MRI under pulsatile flow ventilation: A new promising technique. <i>PLoS ONE</i> , 2017 , 12, e0178807	3.7	8
211	Local coronary wall eccentricity and endothelial function are closely related in patients with atherosclerotic coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 51	6.9	14
210	Reduction of cortical oxygenation in chronic kidney disease: evidence obtained with a new analysis method of blood oxygenation level-dependent magnetic resonance imaging. <i>Nephrology Dialysis Transplantation</i> , 2017 , 32, 2097-2105	4.3	40
209	Folic acid on iron oxide nanoparticles: platform with high potential for simultaneous targeting, MRI detection and hyperthermia treatment of lymph node metastases of prostate cancer. <i>Dalton Transactions</i> , 2017 , 46, 12692-12704	4.3	42
208	Three-Dimensional Self-Navigated T2 Mapping for the Detection of Acute Cellular Rejection After Orthotopic Heart Transplantation. <i>Transplantation Direct</i> , 2017 , 3, e149	2.3	9
207	Chelating agents as coating molecules for iron oxide nanoparticles. <i>RSC Advances</i> , 2017 , 7, 55598-55609	3.7	6
206	Fetal cardiac cine magnetic resonance imaging in utero. <i>Scientific Reports</i> , 2017 , 7, 15540	4.9	20
205	Characterization of perfluorocarbon relaxation times and their influence on the optimization of fluorine-19 MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 2263-2271	4.4	22
204	Respiratory optimized data selection for more resilient self-navigated whole-heart coronary MR angiography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 215-225	2.8	2
203	Versatility of Pyridoxal Phosphate as a Coating of Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2017 , 7,	5.4	13
202	Tuning Properties of Iron Oxide Nanoparticles in Aqueous Synthesis without Ligands to Improve MRI Relaxivity and SAR. <i>Nanomaterials</i> , 2017 , 7,	5.4	21
201	11 Complementary Spatial Modulation of Magnetization (CSPAMM) Tagging 2017 , 453-496		
200	Off-resonance magnetic resonance angiography improves visualization of in-stent lumen in peripheral nitinol stents compared to conventional T1-weighted acquisitions: an in vitro comparison study. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1645-1655	2.5	3
199	Renal tissue oxygenation in children with chronic kidney disease due to vesicoureteral reflux. <i>Pediatric Nephrology</i> , 2016 , 31, 2103-11	3.2	4
198	Simultaneous Noninvasive Assessment of Systemic and Coronary Endothelial Function. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9, e003954	3.9	18
197	A Cylindrical, Inner Volume Selecting 2D-T2-Prep Improves GRAPPA-Accelerated Image Quality in MRA of the Right Coronary Artery. <i>PLoS ONE</i> , 2016 , 11, e0163618	3.7	2

196	Is there an optimal respiratory reference position for self-navigated whole-heart coronary MR angiography?. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 426-33	5.6	17
195	Coronary endothelial function assessment using self-gated cardiac cine MRI and k-t sparse SENSE. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1443-1454	4.4	16
194	Improved border sharpness of post-infarct scar by a novel self-navigated free-breathing high-resolution 3D whole-heart inversion recovery magnetic resonance approach. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1735-1744	2.5	18
193	An iterative approach to respiratory self-navigated whole-heart coronary MRA significantly improves image quality in a preliminary patient study. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1594-6044	4.4	25
192	Ultra-high-resolution 3D imaging of atherosclerosis in mice with synchrotron differential phase contrast: a proof of concept study. <i>Scientific Reports</i> , 2015 , 5, 11980	4.9	12
191	Repositioning precision of coronary arteries measured on X-ray angiography and its implications for coronary MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 1251-8	5.6	3
190	Single breath-hold 3D measurement of left atrial volume using compressed sensing cardiovascular magnetic resonance and a non-model-based reconstruction approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 47	6.9	15
189	Single centre experience of the application of self navigated 3D whole heart cardiovascular magnetic resonance for the assessment of cardiac anatomy in congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 55	6.9	36
188	Free-running 4D whole-heart self-navigated golden angle MRI: Initial results. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 1306-16	4.4	74
187	Combined T2 -preparation and two-dimensional pencil-beam inner volume selection. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 529-36	4.4	10
186	Self-navigated isotropic three-dimensional cardiac T2 mapping. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1549-54	4.4	43
185	Phase-sensitive dual-inversion recovery for accelerated carotid vessel wall imaging. <i>Investigative Radiology</i> , 2015 , 50, 135-43	10.1	3
184	Fluorine MR Imaging of Inflammation in Atherosclerotic Plaque in Vivo. <i>Radiology</i> , 2015 , 275, 421-9	20.5	38
183	Coronary vasomotor responses to isometric handgrip exercise are primarily mediated by nitric oxide: a noninvasive MRI test of coronary endothelial function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1343-50	5.2	33
182	A new technique with high reproducibility to estimate renal oxygenation using BOLD-MRI in chronic kidney disease. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 253-61	3.3	32
181	Dynamic self-navigated 3D whole-heart radial coronary MRA with retrospective acquisition window selection. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16,	6.9	2
180	Fat signal suppression for coronary MRA at 3T using a water-selective adiabatic T2 -preparation technique. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 763-9	4.4	11
179	Compressed sensing single-breath-hold CMR for fast quantification of LV function, volumes, and mass. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 882-92	8.4	90

178	Robust volume-targeted balanced steady-state free-precession coronary magnetic resonance angiography in a breathhold at 3.0 Tesla: a reproducibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 27	6.9	7
177	Determinants of renal tissue oxygenation as measured with BOLD-MRI in chronic kidney disease and hypertension in humans. <i>PLoS ONE</i> , 2014 , 9, e95895	3.7	65
176	Respiratory self-navigated postcontrast whole-heart coronary MR angiography: initial experience in patients. <i>Radiology</i> , 2014 , 270, 378-86	20.5	81
175	Self-navigation with compressed sensing for 2D translational motion correction in free-breathing coronary MRI: a feasibility study. <i>PLoS ONE</i> , 2014 , 9, e105523	3.7	15
174	Coronary artery distensibility assessed by cardiovascular magnetic resonance imaging in patients with type 2 diabetes mellitus and healthy controls. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15,	6.9	78
173	Coronary endothelial function is directly related to extent of weight loss in obese patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15,	6.9	78
172	Blockade of the renin-angiotensin system and renal tissue oxygenation as measured with BOLD-MRI in patients with type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2013 , 99, 136-44	7.4	34
171	Spatially selective implementation of the adiabatic T2Prep sequence for magnetic resonance angiography of the coronary arteries. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 97-105	4.4	9
170	Renal tissue oxygenation in essential hypertension and chronic kidney disease. <i>International Journal of Hypertension</i> , 2013 , 2013, 696598	2.4	27
169	Selective in vivo visualization of immune-cell infiltration in a mouse model of autoimmune myocarditis by fluorine-19 cardiac magnetic resonance. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 277-84	3.9	46
168	Direct in vitro comparison of six three-dimensional positive contrast methods for susceptibility marker imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 344-57	5.6	15
167	Steady-state equilibrium phase inversion recovery ON-resonant water suppression (IRON) MR angiography in conjunction with superparamagnetic nanoparticles. A robust technique for imaging within a wide range of contrast agent dosages. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 836-44	5.6	3
166	Site-specific coupling between vascular wall thickness and function: an observational MRI study of vessel wall thickening and stiffening in hypertension. <i>Investigative Radiology</i> , 2013 , 48, 86-91	10.1	12
165	Non-invasive detection of coronary endothelial response to sequential handgrip exercise in coronary artery disease patients and healthy adults. <i>PLoS ONE</i> , 2013 , 8, e58047	3.7	24
164	Dependence of brain intravoxel incoherent motion perfusion parameters on the cardiac cycle. <i>PLoS ONE</i> , 2013 , 8, e72856	3.7	67
163	Effect of dark chocolate on renal tissue oxygenation as measured by BOLD-MRI in healthy volunteers. <i>Clinical Nephrology</i> , 2013 , 80, 211-7	2.1	13
162	"In vivo" imaging of atherosclerosis. <i>Atherosclerosis</i> , 2012 , 224, 25-36	3.1	47
161	Assessment of distribution and evolution of mechanical dyssynchrony in a porcine model of myocardial infarction by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 1	6.9	64

160	Free-breathing 3 T magnetic resonance T2-mapping of the heart. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1231-9	8.4	61
159	VESSEL CENTERLINE TRACKING AND BOUNDARY SEGMENTATION IN CORONARY MRA WITH MINIMAL MANUAL INTERACTION 2012 , 1417-1420	1.5	5
158	Motion compensation strategies in magnetic resonance imaging. <i>Critical Reviews in Biomedical Engineering</i> , 2012 , 40, 99-119	1.1	42
157	Slice-selective implementation of an adiabatic T2Prep sequence increases coronary artery conspicuity at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14,	6.9	78
156	Coronary endothelial function using 3T MRI is inversely related to body mass index. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14,	6.9	78
155	Free-breathing inner-volume black-blood imaging of the human heart using two-dimensionally selective local excitation at 3 T. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 822-9	4.4	5
154	Regional coronary endothelial function is closely related to local early coronary atherosclerosis in patients with mild coronary artery disease: pilot study. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 341-8 ^{3.9}	3.9	44
153	Progression of human carotid and femoral atherosclerosis: a prospective follow-up study by magnetic resonance vessel wall imaging. <i>European Heart Journal</i> , 2012 , 33, 230-7	9.5	25
152	The feasibility of 350 μ m spatial resolution coronary magnetic resonance angiography at 3 T in humans. <i>Investigative Radiology</i> , 2012 , 47, 339-45	10.1	17
151	Fluorine-19 magnetic resonance angiography of the mouse. <i>PLoS ONE</i> , 2012 , 7, e42236	3.7	24
150	Delayed contrast-enhanced MRI of the coronary artery wall in takayasu arteritis. <i>PLoS ONE</i> , 2012 , 7, e50655	3.7	21
149	Noncontrast Coronary Artery Imaging 2012 , 129-140		
148	Optimization of coronary whole-heart MRA free-breathing technique at 3 Tesla. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 1125-30	3.3	11
147	Coronary artery distensibility assessed by 3.0 Tesla coronary magnetic resonance imaging in subjects with and without coronary artery disease. <i>American Journal of Cardiology</i> , 2011 , 108, 491-7	3	30
146	Isotropic non-contrast whole-heart lumen only coronary MRA using local re-inversion and 2D-SENSE at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13,	6.9	78
145	Regional coronary endothelial function is related to local coronary wall thickness in CAD patients using 3T MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13,	6.9	78
144	Practical signal-to-noise ratio quantification for sensitivity encoding: application to coronary MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 1330-40	5.6	19
143	Synthesis of magnetic resonance-, X-ray- and ultrasound-visible alginate microcapsules for immunoisolation and noninvasive imaging of cellular therapeutics. <i>Nature Protocols</i> , 2011 , 6, 1142-51	18.8	74

142	Use of 2D sensitivity encoding for slow-infusion contrast-enhanced isotropic 3-T whole-heart coronary MR angiography. <i>American Journal of Roentgenology</i> , 2011 , 197, 374-82	5.4	3
141	Cardiovascular Magnetic Resonance Tagging Assessment of Left Ventricular Diastolic Function 2010 , 69-75		
140	Prevalence of left ventricular regional dysfunction in arrhythmogenic right ventricular dysplasia: a tagged MRI study. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 290-7	3.9	30
139	Gadolinium Enhanced MR Coronary Vessel Wall Imaging at 3.0 Tesla. <i>Cardiology Research and Practice</i> , 2010 , 2010, 856418	1.9	6
138	MRI-BASED PROSTATE BRACHYTHERAPY SEED LOCALIZATION 2010 , 2010, 1397-1400	1.5	13
137	Right coronary MR angiography at 7 T: a direct quantitative and qualitative comparison with 3 T in young healthy volunteers. <i>Radiology</i> , 2010 , 257, 254-9	20.5	32
136	Noninvasive visualization of coronary artery endothelial function in healthy subjects and in patients with coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 1657-65	15.1	95
135	Right coronary artery flow velocity and volume assessment with spiral K-space sampled breathhold velocity-encoded MRI at 3 tesla: accuracy and reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 1215-23	5.6	12
134	Simultaneous B(0)- and B(1)+-map acquisition for fast localized shim, frequency, and RF power determination in the heart at 3 T. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 419-26	4.4	58
133	Phase-sensitive black-blood coronary vessel wall imaging. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1021-30	4.4	13
132	High Field Cardiovascular Magnetic Resonance 2010 , 170-177		1
131	Imaging of the unstable plaque: how far have we got?. <i>European Heart Journal</i> , 2009 , 30, 2566-74	9.5	73
130	Volume-targeted and whole-heart coronary magnetic resonance angiography using an intravascular contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 1191-6	5.6	29
129	Spectrally selective B1-insensitive T2 magnetization preparation sequence. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 1326-35	4.4	40
128	Aortic vessel wall magnetic resonance imaging at 3.0 Tesla: a reproducibility study of respiratory navigator gated free-breathing 3D black blood magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 35-44	4.4	19
127	On the dual contrast enhancement mechanism in frequency-selective inversion-recovery magnetic resonance angiography (IRON-MRA). <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 314-24	4.4	2
126	Improved SNR efficiency in gradient echo coronary MRA with high temporal resolution using parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 1211-20	4.4	9
125	Initial results on in vivo human coronary MR angiography at 7 T. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 1379-84	4.4	43

124	Local coronary endothelial dysfunction varies with the extent of coronary disease: a 3 T MRI study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
123	Non-invasive assessment of coronary artery distensibility by 3.0 T cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
122	In vivo human coronary magnetic resonance angiography at 7 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	3
121	Phase-sensitive black-blood coronary vessel wall imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	1
120	Profile order and time-dependent artifacts in contrast-enhanced coronary MR angiography at 3T: origin and prevention. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 292-9	4.4	8
119	Coronary MR imaging: lumen and wall. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2009 , 17, 145-58	1.6	2
118	Flow targeted 3D steady-state free-precession coronary MR angiography: comparison of three different imaging approaches. <i>Investigative Radiology</i> , 2009 , 44, 757-62	10.1	7
117	Noninvasive detection of macrophage-rich atherosclerotic plaque in hyperlipidemic rabbits using "positive contrast" magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 483-91	15.1	100
116	Noninvasive coronary artery imaging: magnetic resonance angiography and multidetector computed tomography angiography: a scientific statement from the american heart association committee on cardiovascular imaging and intervention of the council on cardiovascular radiology and intervention, and the councils on clinical cardiology and cardiovascular disease in the young.	16.7	350
115	Magnetic resonance imaging overestimates ferumoxide-labeled stem cell survival after transplantation in the heart. <i>Circulation</i> , 2008 , 117, 1555-62	16.7	217
114	Coronary artery anomalies and variants: technical feasibility of assessment with coronary MR angiography at 3 T. <i>Radiology</i> , 2008 , 247, 220-7	20.5	57
113	Off-resonance angiography: a new method to depict vessels--phantom and rabbit studies. <i>Radiology</i> , 2008 , 249, 501-9	20.5	20
112	Coronary magnetic resonance imaging. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1778-86	3.3	5
111	Stimulated-echo acquisition mode (STEAM) MRI for black-blood delayed hyperenhanced myocardial imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 229-38	5.6	5
110	Local re-inversion coronary MR angiography: arterial spin-labeling without the need for subtraction. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 913-7	5.6	13
109	Positive contrast MR-lymphography using inversion recovery with ON-resonant water suppression (IRON). <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 1175-80	5.6	20
108	Correction for heart rate variability during 3D whole heart MR coronary angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 1046-53	5.6	22
107	Identification of different heart tissues from MRI C-SENC images using an unsupervised multi-stage fuzzy clustering technique. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 519-26	5.6	11

106	Positive contrast visualization of nitinol devices using susceptibility gradient mapping. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 588-94	4.4	18
105	Direct three-dimensional myocardial strain tensor quantification and tracking using zHARP. <i>Medical Image Analysis</i> , 2008 , 12, 778-86	15.4	35
104	Whole-heart coronary vein imaging: a comparison between non-contrast-agent- and contrast-agent-enhanced visualization of the coronary venous system. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 1019-26	4.4	31
103	Three-dimensional magnetic resonance myocardial motion tracking from a single image plane. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 92-102	4.4	24
102	Combined functional and viability cardiac MR imaging in a single breathhold. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 843-9	4.4	16
101	Positive contrast visualization of iron oxide-labeled stem cells using inversion-recovery with ON-resonant water suppression (IRON). <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 1072-7	4.4	202
100	Assessment of the carotid artery by MRI at 3T: a study on reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1035-43	5.6	50
99	Coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 219-34	5.6	71
98	Coronary MR angiography at 3T during diastole and systole. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 921-6	5.6	38
97	Real-time MR imaging of myocardial regional function using strain-encoding (SENC) with tissue through-plane motion tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 1461-70	5.6	32
96	Magnetic resonance-guided, real-time targeted delivery and imaging of magnetocapsules immunoprotecting pancreatic islet cells. <i>Nature Medicine</i> , 2007 , 13, 986-91	50.5	207
95	Hind limb ischemia in rabbit model: T2-prepared versus time-of-flight MR angiography at 3 T. <i>Radiology</i> , 2007 , 245, 761-9	20.5	4
94	Automated identification of minimal myocardial motion for improved image quality on MR angiography at 3 T. <i>American Journal of Roentgenology</i> , 2007 , 188, W283-90	5.4	25
93	Subclinical coronary and aortic atherosclerosis detected by magnetic resonance imaging in type 1 diabetes with and without diabetic nephropathy. <i>Circulation</i> , 2007 , 115, 228-35	16.7	98
92	Reproducibility of free-breathing cardiovascular magnetic resonance coronary angiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 49-56	6.9	16
91	High-resolution three-dimensional aortic magnetic resonance angiography and quantitative vessel wall characterization of different atherosclerotic stages in a rabbit model. <i>Investigative Radiology</i> , 2007 , 42, 614-21	10.1	15
90	Cell viability and noninvasive in vivo MRI tracking of 3D cell encapsulating self-assembled microcontainers. <i>Cell Transplantation</i> , 2007 , 16, 403-8	4	15
89	MRI visualized neo-intimal dissection and co-localization of novel apoptotic markers apolipoprotein C-1, ceramide and caspase-3 in a Watanabe hyperlipidemic rabbit model. <i>Atherosclerosis</i> , 2007 , 191, 82-93.1		8

88	Multi-slice three-dimensional myocardial strain tensor quantification using zHARP. <i>Lecture Notes in Computer Science</i> , 2007 , 20, 62-73	0.9	1
87	Real-time imaging of regional myocardial function using fast-SENC. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 386-95	4.4	78
86	Correction of through-plane deformation artifacts in stimulated echo acquisition mode cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 404-12	4.4	16
85	B1-insensitive T2 preparation for improved coronary magnetic resonance angiography at 3 T. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 858-64	4.4	119
84	Improved myocardial tagging contrast in cine balanced SSFP images. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 1159-67	5.6	22
83	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> , 2006 , 27, 1732-6	9.5	84
82	MRI of coronary vessel walls using radial k-space sampling and steady-state free precession imaging. <i>American Journal of Roentgenology</i> , 2006 , 186, S401-6	5.4	17
81	Detection of coronary stenoses with contrast enhanced, three-dimensional free breathing coronary MR angiography using the gadolinium-based intravascular contrast agent gadocoletic acid (B-22956). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006 , 8, 509-16	6.9	29
80	Reproducibility of 3D free-breathing magnetic resonance coronary vessel wall imaging. <i>European Heart Journal</i> , 2005 , 26, 2320-4	9.5	44
79	Free-breathing renal magnetic resonance angiography with steady-state free-precession and slab-selective spin inversion combined with radial k-space sampling and water-selective excitation. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 1228-33	4.4	29
78	Inherently self-calibrating non-Cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 1-8	4.4	110
77	Magnetic resonance stress tagging in ischemic heart disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2708-14	5.2	51
76	Images in cardiovascular medicine. Pitfalls in coronary magnetic resonance angiography: right coronary artery occlusion. <i>Circulation</i> , 2005 , 111, e94-6	16.7	2
75	Spin-labeling coronary MR angiography with steady-state free precession and radial k-space sampling: initial results in healthy volunteers. <i>Radiology</i> , 2005 , 236, 1047-52	20.5	22
74	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, 103-9 ^{5.4}	5.4	25
73	ZHARP: three-dimensional motion tracking from a single image plane. <i>Lecture Notes in Computer Science</i> , 2005 , 19, 639-51	0.9	14
72	Artifact-free coronary magnetic resonance angiography and coronary vessel wall imaging in the presence of a new, metallic, coronary magnetic resonance imaging stent. <i>Circulation</i> , 2005 , 111, 1019-26 ^{16.7}	16.7	52
71	MR Angiography of the Coronary Arteries 2005 , 179-192		

70	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, 581-6	20.5	72
69	Coronary MR angiography: comparison of quantitative and qualitative data from four techniques. <i>American Journal of Roentgenology</i> , 2004 , 182, 515-21	5.4	50
68	Combined transesophageal and surface MRI provides optimal imaging in aortic atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 909-16	6.9	6
67	Free-breathing renal MR angiography with steady-state free-precession (SSFP) and slab-selective spin inversion: initial results. <i>Kidney International</i> , 2004 , 66, 1272-8	9.9	58
66	Improved three-dimensional free-breathing coronary magnetic resonance angiography using gadoletic acid (B-22956) for intravascular contrast enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 288-93	5.6	44
65	Spiral MR myocardial tagging. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 237-42	4.4	34
64	Coronary artery imaging 2004 , 227-240		
63	Magnetic resonance imaging of atherosclerosis: classical and molecular imaging 2004 , 243-255		
62	Metallic renal artery MR imaging stent: artifact-free lumen visualization with projection and standard renal MR angiography. <i>Radiology</i> , 2003 , 227, 897-902	20.5	30
61	. <i>Investigative Radiology</i> , 2003 , 38, 263-268	10.1	4
60	Navigator-gated coronary magnetic resonance angiography using steady-state-free-precession: comparison to standard T2-prepared gradient-echo and spiral imaging. <i>Investigative Radiology</i> , 2003 , 38, 263-8	10.1	28
59	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, 589-94	6.9	48
58	Cardiac structure and function in the obese: a cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 431-8	6.9	36
57	Respiratory motion artifact suppression in diffusion-weighted MR imaging of the spine. <i>European Radiology</i> , 2003 , 13, 330-6	8	22
56	Comparison of aortic elasticity determined by cardiovascular magnetic resonance imaging in obese versus lean adults. <i>American Journal of Cardiology</i> , 2003 , 91, 195-9	3	80
55	The impact of spatial resolution and respiratory motion on MR imaging of atherosclerotic plaque. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 538-44	5.6	39
54	Performance of a new gadolinium-based intravascular contrast agent in free-breathing inversion-recovery 3D coronary MRA. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 115-21	4.4	62
53	Coronary MR angiography clinical applications and potential for imaging coronary artery disease. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003 , 11, 81-99	1.6	29

52	Images in cardiovascular medicine. Visualization of anomalous coronary artery in the presence of arrhythmia using radial balanced fast field echo coronary magnetic resonance angiography. <i>Circulation</i> , 2003 , 107, e214	16.7	2
51	Coronary magnetic resonance imaging: current status. <i>Current Problems in Cardiology</i> , 2002 , 27, 275-333	17.1	13
50	Comparison of fat suppression strategies in 3D spiral coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 15, 462-6	5.6	20
49	Impact of navigator timing on free-breathing submillimeter 3D coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 196-201	4.4	45
48	Selective three-dimensional visualization of the coronary arterial lumen using arterial spin tagging. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 322-9	4.4	40
47	Preliminary report on in vivo coronary MRA at 3 Tesla in humans. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 425-9	4.4	193
46	"Soap-Bubble" visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 658-66	4.4	225
45	Navigator-gated free-breathing 3D balanced FFE projection renal MRA: Comparison with contrast-enhanced breath-hold 3D MRA in a swine model. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 739-43	4.4	17
44	Coronary magnetic resonance angiography in adolescents and young adults with kawasaki disease. <i>Circulation</i> , 2002 , 105, 908-11	16.7	172
43	Renal arteries: navigator-gated balanced fast field-echo projection MR angiography with aortic spin labeling: initial experience. <i>Radiology</i> , 2002 , 225, 589-96	20.5	54
42	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, 296-9	16.7	247
41	Coronary magnetic resonance angiography for assessment of the stent lumen: a phantom study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002 , 4, 359-67	6.9	31
40	Navigator-gated free-breathing three-dimensional balanced fast field echo (TrueFISP) coronary magnetic resonance angiography. <i>Investigative Radiology</i> , 2002 , 37, 637-42	10.1	77
39	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, 632-6	10.1	9
38	Effects of bisoprolol fumarate on left ventricular size, function, and exercise capacity in patients with heart failure: analysis with magnetic resonance myocardial tagging. <i>American Heart Journal</i> , 2002 , 143, 676-83	4.9	64
37	High-resolution selective three-dimensional magnetic resonance coronary angiography with navigator-echo technique: segment-by-segment evaluation of coronary artery stenosis. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 16, 238-45	5.6	20
36	Koronardarstellung 2002 , 161-171		
35	Technical Principles of MRA 2002 , 515-526		

34	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, 311-8	5.6	25
33	Impact of bulk cardiac motion on right coronary MR angiography and vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 383-90	5.6	112
32	Motion artifact reduction and vessel enhancement for free-breathing navigator-gated coronary MRA using 3D k-space reordering. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 645-52	4.4	28
31	Direct comparison of 3D spiral vs. Cartesian gradient-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 789-94	4.4	59
30	3D coronary vessel wall imaging utilizing a local inversion technique with spiral image acquisition. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 848-54	4.4	113
29	Superiority of prone position in free-breathing 3D coronary MRA in patients with coronary disease. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 185-91	5.6	23
28	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 206-11	4.4	65
27	Free-breathing black-blood coronary MR angiography: initial results. <i>Radiology</i> , 2001 , 219, 278-83	20.5	65
26	Coronary magnetic resonance angiography for the detection of coronary stenoses. <i>New England Journal of Medicine</i> , 2001 , 345, 1863-9	59.2	1136
25	New methods and algorithms for the accurate, real-time motion analysis of the left ventricle with MRI-tagging. <i>International Congress Series</i> , 2001 , 1230, 954-960		1
24	Coronary magnetic resonance angiography. <i>Cardiology in Review</i> , 2001 , 9, 77-87	3.2	6
23	Clinical role of coronary magnetic resonance angiography in the diagnosis of anomalous coronary arteries. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000 , 2, 217-24	6.9	27
22	Cardiac rotation and relaxation in patients with aortic valve stenosis. <i>European Heart Journal</i> , 2000 , 21, 582-9	9.5	170
21	Cardiac rotation and relaxation after anterolateral myocardial infarction. <i>Coronary Artery Disease</i> , 2000 , 11, 261-7	1.4	82
20	Free-breathing 3D coronary MRA: the impact of "isotropic" image resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 11, 389-93	5.6	55
19	RF pulse concatenation for spatially selective inversion. <i>Journal of Magnetic Resonance</i> , 2000 , 146, 58-65		25
18	Low-cost MR-compatible moving heart phantom. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000 , 2, 181-7	6.9	19
17	Noninvasive coronary vessel wall and plaque imaging with magnetic resonance imaging. <i>Circulation</i> , 2000 , 102, 2582-7	16.7	680

16	Submillimeter three-dimensional coronary MR angiography with real-time navigator correction: comparison of navigator locations. <i>Radiology</i> , 1999 , 212, 579-87	20.5	220
15	Relationship between motion of coronary arteries and diaphragm during free breathing: lessons from real-time MR imaging. <i>American Journal of Roentgenology</i> , 1999 , 172, 1061-5	5.4	99
14	Alterations in the local myocardial motion pattern in patients suffering from pressure overload due to aortic stenosis. <i>Circulation</i> , 1999 , 100, 361-8	16.7	357
13	Improved coronary artery definition with T2-weighted, free-breathing, three-dimensional coronary MRA. <i>Circulation</i> , 1999 , 99, 3139-48	16.7	370
12	Transfer insensitive labeling technique (TILT): application to multislice functional perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 9, 454-61	5.6	91
11	Coronary MRA: A clinical experience in the United States. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 713-20	5.6	14
10	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 790-9	5.6	140
9	A fast 3D approach for coronary MRA. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 821-5	5.6	44
8	Toward high-resolution myocardial tagging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 639-43	4.4	35
7	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 524-31	15.1	303
6	Breathhold three-dimensional coronary magnetic resonance angiography using real-time navigator technology. <i>Journal of Cardiovascular Magnetic Resonance</i> , 1999 , 1, 233-8	6.9	34
5	Myocardial tagging for the analysis left ventricular function. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1998 , 6, 91-3	2.8	5
4	Quantification of the local heartwall motion by magnetic resonance myocardial tagging. <i>Computerized Medical Imaging and Graphics</i> , 1998 , 22, 217-28	7.6	17
3	Importance of the right ventricle in valvular heart disease. <i>European Heart Journal</i> , 1996 , 17, 829-36	9.5	97
2	Limitations of stimulated echo acquisition mode (STEAM) techniques in cardiac applications. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 80-91	4.4	37
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