

# Matthias Stuber

## List of Publications by Citations

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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	Coronary magnetic resonance angiography for the detection of coronary stenoses. <i>New England Journal of Medicine</i> , <b>2001</b> , 345, 1863-9	59.2	1136
266	Noninvasive coronary vessel wall and plaque imaging with magnetic resonance imaging. <i>Circulation</i> , <b>2000</b> , 102, 2582-7	16.7	680
265	Improved coronary artery definition with T2-weighted, free-breathing, three-dimensional coronary MRA. <i>Circulation</i> , <b>1999</b> , 99, 3139-48	16.7	370
264	Alterations in the local myocardial motion pattern in patients suffering from pressure overload due to aortic stenosis. <i>Circulation</i> , <b>1999</b> , 100, 361-8	16.7	357
263	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
262	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> , <b>1999</b> , 34, 524-31	15.1	303
261	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> , <b>2002</b> , 106, 296-9	16.7	247
260	"Soap-Bubble" visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 48, 658-66	4.4	225
259	Submillimeter three-dimensional coronary MR angiography with real-time navigator correction: comparison of navigator locations. <i>Radiology</i> , <b>1999</b> , 212, 579-87	20.5	220
258	Magnetic resonance imaging overestimates ferumoxide-labeled stem cell survival after transplantation in the heart. <i>Circulation</i> , <b>2008</b> , 117, 1555-62	16.7	217
257	Magnetic resonance-guided, real-time targeted delivery and imaging of magnetocapsules immunoprotecting pancreatic islet cells. <i>Nature Medicine</i> , <b>2007</b> , 13, 986-91	50.5	207
256	Positive contrast visualization of iron oxide-labeled stem cells using inversion-recovery with ON-resonant water suppression (IRON). <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 58, 1072-7	4.4	202
255	Preliminary report on in vivo coronary MRA at 3 Tesla in humans. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 48, 425-9	4.4	193
254	Coronary magnetic resonance angiography in adolescents and young adults with kawasaki disease. <i>Circulation</i> , <b>2002</b> , 105, 908-11	16.7	172
253	Cardiac rotation and relaxation in patients with aortic valve stenosis. <i>European Heart Journal</i> , <b>2000</b> , 21, 582-9	9.5	170
252	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 10, 790-9	5.6	140
251	B1-insensitive T2 preparation for improved coronary magnetic resonance angiography at 3 T. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 858-64	4.4	119

250	3D coronary vessel wall imaging utilizing a local inversion technique with spiral image acquisition. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 46, 848-54	4.4	113
249	Impact of bulk cardiac motion on right coronary MR angiography and vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2001</b> , 14, 383-90	5.6	112
248	Inherently self-calibrating non-Cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , <b>2005</b> , 54, 1-8	4.4	110
247	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> , <b>2008</b> , 52, 483-91	15.1	100
246	Relationship between motion of coronary arteries and diaphragm during free breathing: lessons from real-time MR imaging. <i>American Journal of Roentgenology</i> , <b>1999</b> , 172, 1061-5	5.4	99
245	Subclinical coronary and aortic atherosclerosis detected by magnetic resonance imaging in type 1 diabetes with and without diabetic nephropathy. <i>Circulation</i> , <b>2007</b> , 115, 228-35	16.7	98
244	Importance of the right ventricle in valvular heart disease. <i>European Heart Journal</i> , <b>1996</b> , 17, 829-36	9.5	97
243	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> , <b>2010</b> , 56, 1657-65	15.1	95
242	Transfer insensitive labeling technique (TILT): application to multislice functional perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 9, 454-61	5.6	91
241	Compressed sensing single-breath-hold CMR for fast quantification of LV function, volumes, and mass. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 882-92	8.4	90
240	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> , <b>2006</b> , 27, 1732-6	9.5	84
239	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 1741-1755	15.1	82
238	Cardiac rotation and relaxation after anterolateral myocardial infarction. <i>Coronary Artery Disease</i> , <b>2000</b> , 11, 261-7	1.4	82
237	Respiratory self-navigated postcontrast whole-heart coronary MR angiography: initial experience in patients. <i>Radiology</i> , <b>2014</b> , 270, 378-86	20.5	81
236	Comparison of aortic elasticity determined by cardiovascular magnetic resonance imaging in obese versus lean adults. <i>American Journal of Cardiology</i> , <b>2003</b> , 91, 195-9	3	80
235	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> , <b>2013</b> , 15,	6.9	78
234	Coronary endothelial function is directly related to extent of weight loss in obese patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15,	6.9	78
233	Slice-selective implementation of an adiabatic T2Prep sequence increases coronary artery conspicuity at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14,	6.9	78

232	Coronary endothelial function using 3T MRI is inversely related to body mass index. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14,	6.9	78
231	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> , <b>2011</b> , 13,	6.9	78
230	Regional coronary endothelial function is related to local coronary wall thickness in CAD patients using 3T MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13,	6.9	78
229	Local coronary endothelial dysfunction varies with the extent of coronary disease: a 3 T MRI study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11,	6.9	78
228	Non-invasive assessment of coronary artery distensibility by 3.0 T cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11,	6.9	78
227	Real-time imaging of regional myocardial function using fast-SENC. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 386-95	4.4	78
226	Navigator-gated free-breathing three-dimensional balanced fast field echo (TrueFISP) coronary magnetic resonance angiography. <i>Investigative Radiology</i> , <b>2002</b> , 37, 637-42	10.1	77
225	5D whole-heart sparse MRI. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 826-838	4.4	76
224	Reduced cortical oxygenation predicts a progressive decline of renal function in patients with chronic kidney disease. <i>Kidney International</i> , <b>2018</b> , 93, 932-940	9.9	75
223	Free-running 4D whole-heart self-navigated golden angle MRI: Initial results. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 1306-16	4.4	74
222	Synthesis of magnetic resonance-, X-ray- and ultrasound-visible alginate microcapsules for immunoisolation and noninvasive imaging of cellular therapeutics. <i>Nature Protocols</i> , <b>2011</b> , 6, 1142-51	18.8	74
221	Imaging of the unstable plaque: how far have we got?. <i>European Heart Journal</i> , <b>2009</b> , 30, 2566-74	9.5	73
220	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> , <b>2004</b> , 231, 581-6	20.5	72
219	Coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 26, 219-34	5.6	71
218	Dependence of brain intravoxel incoherent motion perfusion parameters on the cardiac cycle. <i>PLoS ONE</i> , <b>2013</b> , 8, e72856	3.7	67
217	Determinants of renal tissue oxygenation as measured with BOLD-MRI in chronic kidney disease and hypertension in humans. <i>PLoS ONE</i> , <b>2014</b> , 9, e95895	3.7	65
216	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 206-11	4.4	65
215	Free-breathing black-blood coronary MR angiography: initial results. <i>Radiology</i> , <b>2001</b> , 219, 278-83	20.5	65

214	Four-dimensional respiratory motion-resolved whole heart coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1473-1484	4.4	64
213	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> , <b>2012</b> , 14, 1	6.9	64
212	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> , <b>2002</b> , 143, 676-83	4.9	64
211	Performance of a new gadolinium-based intravascular contrast agent in free-breathing inversion-recovery 3D coronary MRA. <i>Magnetic Resonance in Medicine</i> , <b>2003</b> , 49, 115-21	4.4	62
210	Free-breathing 3 T magnetic resonance T2-mapping of the heart. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 1231-9	8.4	61
209	Direct comparison of 3D spiral vs. Cartesian gradient-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 46, 789-94	4.4	59
208	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> , <b>2010</b> , 63, 419-26	4.4	58
207	Free-breathing renal MR angiography with steady-state free-precession (SSFP) and slab-selective spin inversion: initial results. <i>Kidney International</i> , <b>2004</b> , 66, 1272-8	9.9	58
206	Coronary artery anomalies and variants: technical feasibility of assessment with coronary MR angiography at 3 T. <i>Radiology</i> , <b>2008</b> , 247, 220-7	20.5	57
205	Free-breathing 3D coronary MRA: the impact of "isotropic" image resolution. <i>Journal of Magnetic Resonance Imaging</i> , <b>2000</b> , 11, 389-93	5.6	55
204	Renal arteries: navigator-gated balanced fast field-echo projection MR angiography with aortic spin labeling: initial experience. <i>Radiology</i> , <b>2002</b> , 225, 589-96	20.5	54
203	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> , <b>2005</b> , 111, 1019-26	16.7	52
202	Magnetic resonance stress tagging in ischemic heart disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H2708-14	5.2	51
201	Assessment of the carotid artery by MRI at 3T: a study on reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 25, 1035-43	5.6	50
200	Coronary MR angiography: comparison of quantitative and qualitative data from four techniques. <i>American Journal of Roentgenology</i> , <b>2004</b> , 182, 515-21	5.4	50
199	Initial experiences with in vivo right coronary artery human MR vessel wall imaging at 3 tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2003</b> , 5, 589-94	6.9	48
198	"In vivo" imaging of atherosclerosis. <i>Atherosclerosis</i> , <b>2012</b> , 224, 25-36	3.1	47
197	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> , <b>2013</b> , 6, 277-84	3.9	46

196	Impact of navigator timing on free-breathing submillimeter 3D coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 47, 196-201	4.4	45
195	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> , <b>2012</b> , 5, 341-8 <sup>3,9</sup>		44
194	Reproducibility of 3D free-breathing magnetic resonance coronary vessel wall imaging. <i>European Heart Journal</i> , <b>2005</b> , 26, 2320-4	9.5	44
193	Improved three-dimensional free-breathing coronary magnetic resonance angiography using gadocoletic acid (B-22956) for intravascular contrast enhancement. <i>Journal of Magnetic Resonance Imaging</i> , <b>2004</b> , 20, 288-93	5.6	44
192	A fast 3D approach for coronary MRA. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 10, 821-5	5.6	44
191	Self-navigated isotropic three-dimensional cardiac T2 mapping. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1549-54	4.4	43
190	Initial results on in vivo human coronary MR angiography at 7 T. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 62, 1379-84	4.4	43
189	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> , <b>2017</b> , 46, 12692-12704	4.3	42
188	Motion compensation strategies in magnetic resonance imaging. <i>Critical Reviews in Biomedical Engineering</i> , <b>2012</b> , 40, 99-119	1.1	42
187	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> , <b>2017</b> , 32, 2097-2105	4.3	40
186	Spectrally selective B1-insensitive T2 magnetization preparation sequence. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 61, 1326-35	4.4	40
185	Selective three-dimensional visualization of the coronary arterial lumen using arterial spin tagging. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 47, 322-9	4.4	40
184	The impact of spatial resolution and respiratory motion on MR imaging of atherosclerotic plaque. <i>Journal of Magnetic Resonance Imaging</i> , <b>2003</b> , 17, 538-44	5.6	39
183	Fluorine MR Imaging of Inflammation in Atherosclerotic Plaque in Vivo. <i>Radiology</i> , <b>2015</b> , 275, 421-9	20.5	38
182	Coronary MR angiography at 3T during diastole and systole. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 26, 921-6	5.6	38
181	Limitations of stimulated echo acquisition mode (STEAM) techniques in cardiac applications. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 34, 80-91	4.4	37
180	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> , <b>2015</b> , 17, 55	6.9	36
179	Cardiac structure and function in the obese: a cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2003</b> , 5, 431-8	6.9	36

178	Direct three-dimensional myocardial strain tensor quantification and tracking using zHARP. <i>Medical Image Analysis</i> , <b>2008</b> , 12, 778-86	15.4	35
177	Toward high-resolution myocardial tagging. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 41, 639-43	4.4	35
176	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> , <b>2013</b> , 99, 136-44	7.4	34
175	Spiral MR myocardial tagging. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 51, 237-42	4.4	34
174	Breathhold three-dimensional coronary magnetic resonance angiography using real-time navigator technology. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>1999</b> , 1, 233-8	6.9	34
173	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> , <b>2015</b> , 308, H1343-50	5.2	33
172	A new technique with high reproducibility to estimate renal oxygenation using BOLD-MRI in chronic kidney disease. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 253-61	3.3	32
171	Right coronary MR angiography at 7 T: a direct quantitative and qualitative comparison with 3 T in young healthy volunteers. <i>Radiology</i> , <b>2010</b> , 257, 254-9	20.5	32
170	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> , <b>2007</b> , 26, 1461-70	5.6	32
169	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> , <b>2007</b> , 57, 1019-26	4.4	31
168	Coronary magnetic resonance angiography for assessment of the stent lumen: a phantom study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2002</b> , 4, 359-67	6.9	31
167	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> , <b>2011</b> , 108, 491-7	3	30
166	Prevalence of left ventricular regional dysfunction in arrhythmogenic right ventricular dysplasia: a tagged MRI study. <i>Circulation: Cardiovascular Imaging</i> , <b>2010</b> , 3, 290-7	3.9	30
165	Metallic renal artery MR imaging stent: artifact-free lumen visualization with projection and standard renal MR angiography. <i>Radiology</i> , <b>2003</b> , 227, 897-902	20.5	30
164	Volume-targeted and whole-heart coronary magnetic resonance angiography using an intravascular contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 1191-6	5.6	29
163	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> , <b>2006</b> , 8, 509-16	6.9	29
162	Coronary MR angiography clinical applications and potential for imaging coronary artery disease. <i>Magnetic Resonance Imaging Clinics of North America</i> , <b>2003</b> , 11, 81-99	1.6	29
161	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> , <b>2005</b> , 53, 1228-33	4.4	29

160	An automated approach to fully self-gated free-running cardiac and respiratory motion-resolved 5D whole-heart MRI. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 2118-2132	4.4	28
159	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> , <b>2003</b> , 38, 263-8	10.1	28
158	Motion artifact reduction and vessel enhancement for free-breathing navigator-gated coronary MRA using 3D k-space reordering. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 645-52	4.4	28
157	Renal tissue oxygenation in essential hypertension and chronic kidney disease. <i>International Journal of Hypertension</i> , <b>2013</b> , 2013, 696598	2.4	27
156	Clinical role of coronary magnetic resonance angiography in the diagnosis of anomalous coronary arteries. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2000</b> , 2, 217-24	6.9	27
155	Progression of human carotid and femoral atherosclerosis: a prospective follow-up study by magnetic resonance vessel wall imaging. <i>European Heart Journal</i> , <b>2012</b> , 33, 230-7	9.5	25
154	Automated identification of minimal myocardial motion for improved image quality on MR angiography at 3 T. <i>American Journal of Roentgenology</i> , <b>2007</b> , 188, W283-90	5.4	25
153	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> , <b>2005</b> , 185, 103-9	5.4	25
152	The impact of navigator timing parameters and navigator spatial resolution on 3D coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2001</b> , 14, 311-8	5.6	25
151	RF pulse concatenation for spatially selective inversion. <i>Journal of Magnetic Resonance</i> , <b>2000</b> , 146, 58-65	3	25
150	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> , <b>2016</b> , 75, 1594-604	4.4	25
149	Non-invasive detection of coronary endothelial response to sequential handgrip exercise in coronary artery disease patients and healthy adults. <i>PLoS ONE</i> , <b>2013</b> , 8, e58047	3.7	24
148	Three-dimensional magnetic resonance myocardial motion tracking from a single image plane. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 58, 92-102	4.4	24
147	Fluorine-19 magnetic resonance angiography of the mouse. <i>PLoS ONE</i> , <b>2012</b> , 7, e42236	3.7	24
146	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1505-1517	8.4	24
145	Superiority of prone position in free-breathing 3D coronary MRA in patients with coronary disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2001</b> , 13, 185-91	5.6	23
144	Coronary artery endothelial dysfunction is present in HIV-positive individuals without significant coronary artery disease. <i>Aids</i> , <b>2017</b> , 31, 1281-1289	3.5	22
143	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> , <b>2018</b> , 79, 2297-2305	4.4	22



142	Characterization of perfluorocarbon relaxation times and their influence on the optimization of fluorine-19 MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 2263-2271	4.4	22
141	Correction for heart rate variability during 3D whole heart MR coronary angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2008</b> , 27, 1046-53	5.6	22
140	Improved myocardial tagging contrast in cine balanced SSFP images. <i>Journal of Magnetic Resonance Imaging</i> , <b>2006</b> , 24, 1159-67	5.6	22
139	Respiratory motion artifact suppression in diffusion-weighted MR imaging of the spine. <i>European Radiology</i> , <b>2003</b> , 13, 330-6	8	22
138	Spin-labeling coronary MR angiography with steady-state free precession and radial k-space sampling: initial results in healthy volunteers. <i>Radiology</i> , <b>2005</b> , 236, 1047-52	20.5	22
137	Tuning Properties of Iron Oxide Nanoparticles in Aqueous Synthesis without Ligands to Improve MRI Relaxivity and SAR. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	21
136	Delayed contrast-enhanced MRI of the coronary artery wall in takayasu arteritis. <i>PLoS ONE</i> , <b>2012</b> , 7, e50655	5.5	21
135	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> , <b>2017</b> , 35, 2044-2052	1.9	20
134	Fetal cardiac cine magnetic resonance imaging in utero. <i>Scientific Reports</i> , <b>2017</b> , 7, 15540	4.9	20
133	Off-resonance angiography: a new method to depict vessels--phantom and rabbit studies. <i>Radiology</i> , <b>2008</b> , 249, 501-9	20.5	20
132	Positive contrast MR-lymphography using inversion recovery with ON-resonant water suppression (IRON). <i>Journal of Magnetic Resonance Imaging</i> , <b>2008</b> , 27, 1175-80	5.6	20
131	Comparison of fat suppression strategies in 3D spiral coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2002</b> , 15, 462-6	5.6	20
130	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> , <b>2002</b> , 16, 238-45	5.6	20
129	Practical signal-to-noise ratio quantification for sensitivity encoding: application to coronary MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 33, 1330-40	5.6	19
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> , <b>2009</b> , 61, 35-44	4.4	19
127	Low-cost MR-compatible moving heart phantom. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2000</b> , 2, 181-7	6.9	19
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125	Positive contrast visualization of nitinol devices using susceptibility gradient mapping. <i>Magnetic Resonance in Medicine</i> , <b>2008</b> , 60, 588-94	4.4	18

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