

# Matthias Stuber

## List of Publications by Year in descending order

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275  
papers

13,814  
citations

24978

57  
h-index

25716

108  
g-index

283  
all docs

283  
docs citations

283  
times ranked

8290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary Magnetic Resonance Angiography for the Detection of Coronary Stenoses. <i>New England Journal of Medicine</i> , 2001, 345, 1863-1869.	13.9	1,281
2	Noninvasive Coronary Vessel Wall and Plaque Imaging With Magnetic Resonance Imaging. <i>Circulation</i> , 2000, 102, 2582-2587.	1.6	723
3	Noninvasive Coronary Artery Imaging. <i>Circulation</i> , 2008, 118, 586-606.	1.6	422
4	Improved Coronary Artery Definition With T2-Weighted, Free-Breathing, Three-Dimensional Coronary MRA. <i>Circulation</i> , 1999, 99, 3139-3148.	1.6	412
5	Alterations in the Local Myocardial Motion Pattern in Patients Suffering From Pressure Overload Due to Aortic Stenosis. <i>Circulation</i> , 1999, 100, 361-368.	1.6	405
6	Double-oblique free-breathing high resolution three-dimensional coronary magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> , 1999, 34, 524-531.	1.2	327
7	Three-Dimensional Black-Blood Cardiac Magnetic Resonance Coronary Vessel Wall Imaging Detects Positive Arterial Remodeling in Patients With Nonsignificant Coronary Artery Disease. <i>Circulation</i> , 2002, 106, 296-299.	1.6	292
8	?Soap-Bubble? visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 658-666.	1.9	239
9	Submillimeter Three-dimensional Coronary MR Angiography with Real-time Navigator Correction: Comparison of Navigator Locations. <i>Radiology</i> , 1999, 212, 579-587.	3.6	236
10	Magnetic Resonance Imaging Overestimates Ferumoxide-Labeled Stem Cell Survival After Transplantation in the Heart. <i>Circulation</i> , 2008, 117, 1555-1562.	1.6	235
11	Preliminary report on in vivo coronary MRA at 3 Tesla in humans. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 425-429.	1.9	221
12	Magnetic resonance-guided, real-time targeted delivery and imaging of magnetocapsules immunoprotecting pancreatic islet cells. <i>Nature Medicine</i> , 2007, 13, 986-991.	15.2	220
13	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, 1072-1077.	1.9	215
14	Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease. <i>Circulation</i> , 2002, 105, 908-911.	1.6	212
15	Cardiac rotation and relaxation in patients with aortic valve stenosis. <i>European Heart Journal</i> , 2000, 21, 582-589.	1.0	200
16	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.	1.2	177
17	Contrast agent-enhanced, free-breathing, three-dimensional coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 790-799.	1.9	156
18	B1-insensitive T2 preparation for improved coronary magnetic resonance angiography at 3 T. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 858-864.	1.9	145

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19	3D coronary vessel wall imaging utilizing a local inversion technique with spiral image acquisition. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 848-854.	1.9	136
20	Reduced cortical oxygenation predicts a progressive decline of renal function in patients with chronic kidney disease. <i>Kidney International</i> , 2018, 93, 932-940.	2.6	133
21	Impact of bulk cardiac motion on right coronary MR angiography and vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 383-390.	1.9	121
22	Inherently self-calibrating non-cartesian parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1-8.	1.9	116
23	Compressed Sensing Single-Breath-Hold CMR for Fast Quantification of LV Function, Volumes, and Mass. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 882-892.	2.3	116
24	Importance of the right ventricle in valvular heart disease. <i>European Heart Journal</i> , 1996, 17, 829-836.	1.0	114
25	5D whole-heart sparse MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 826-838.	1.9	112
26	Subclinical Coronary and Aortic Atherosclerosis Detected by Magnetic Resonance Imaging in Type 1 Diabetes With and Without Diabetic Nephropathy. <i>Circulation</i> , 2007, 115, 228-235.	1.6	111
27	Noninvasive Detection of Macrophage-Rich Atherosclerotic Plaque in Hyperlipidemic Rabbits Using $^{18}\text{F}$ -Positive Contrast-Magnetic Resonance Imaging. <i>Journal of the American College of Cardiology</i> , 2008, 52, 483-491.	1.2	111
28	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, 1657-1665.	1.2	109
29	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, 1061-1065.	1.0	108
30	Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> , 2006, 27, 1732-1736.	1.0	102
31	Transfer insensitive labeling technique (TILT): Application to multislice functional perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 454-461.	1.9	96
32	Real-time imaging of regional myocardial function using fast-SENC. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 386-395.	1.9	96
33	Respiratory Self-navigated Postcontrast Whole-Heart Coronary MR Angiography: Initial Experience in Patients. <i>Radiology</i> , 2014, 270, 378-386.	3.6	96
34	Free-running 4D whole-heart self-navigated golden angle MRI: Initial results. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1306-1316.	1.9	91
35	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.	1.6	90
36	Cardiac rotation and relaxation after anterolateral myocardial infarction. <i>Coronary Artery Disease</i> , 2000, 11, 261-267.	0.3	88

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37	Comparison of aortic elasticity determined by cardiovascular magnetic resonance imaging in obese versus lean adults. <i>American Journal of Cardiology</i> , 2003, 91, 195-199.	0.7	86
38	Navigator-Gated Free-Breathing Three-Dimensional Balanced Fast Field Echo (TrueFISP) Coronary Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 2002, 37, 637-642.	3.5	84
39	Imaging of the unstable plaque: how far have we got?. <i>European Heart Journal</i> , 2009, 30, 2566-2574.	1.0	84
40	Coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 219-234.	1.9	83
41	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, 676-683.	1.2	80
42	Free-breathing 3D Steady-State Free Precession Coronary MR Angiography with Radial k-Space Sampling: Comparison with Cartesian k-Space Sampling and Cartesian Gradient-Echo Coronary MR Angiography—Pilot Study. <i>Radiology</i> , 2004, 231, 581-586.	3.6	80
43	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, 1142-1151.	5.5	77
44	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.	1.1	77
45	Free-Breathing Black-Blood Coronary MR Angiography: Initial Results. <i>Radiology</i> , 2001, 219, 278-283.	3.6	75
46	Free-Breathing 3 T Magnetic Resonance T2-Mapping of the Heart. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 1231-1239.	2.3	75
47	Four-dimensional respiratory motion-resolved whole heart coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1473-1484.	1.9	74
48	Three-dimensional high-resolution fast spin-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 206-211.	1.9	73
49	Dependence of Brain Intravoxel Incoherent Motion Perfusion Parameters on the Cardiac Cycle. <i>PLoS ONE</i> , 2013, 8, e72856.	1.1	73
50	Direct comparison of 3D spiral vs. Cartesian gradient-echo coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 789-794.	1.9	70
51	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, 115-121.	1.9	70
52	Coronary Artery Anomalies and Variants: Technical Feasibility of Assessment with Coronary MR Angiography at 3 T. <i>Radiology</i> , 2008, 247, 220-227.	3.6	66
53	Free-breathing renal MR angiography with steady-state free-precession (SSFP) and slab-selective spin inversion: Initial results. <i>Kidney International</i> , 2004, 66, 1272-1278.	2.6	64
54	Free-breathing 3D coronary MRA: The impact of ?isotropic? image resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 389-393.	1.9	62

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55	Renal Arteries: Navigator-gated Balanced Fast Field-Echo Projection MR Angiography with Aortic Spin Labeling: Initial Experience. <i>Radiology</i> , 2002, 225, 589-596.	3.6	61
56	Simultaneous $k_0$ - and $k_1$ -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, 419-426.	1.9	61
57	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, 277-284.	1.3	60
58	Magnetic resonance stress tagging in ischemic heart disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2708-H2714.	1.5	58
59	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1505-1517.	2.3	58
60	Coronary MR Angiography: Comparison of Quantitative and Qualitative Data from Four Techniques. <i>American Journal of Roentgenology</i> , 2004, 182, 515-521.	1.0	57
61	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, 1019-1026.	1.6	57
62	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.	1.9	57
63	$\text{in vivo}$ imaging of atherosclerosis. <i>Atherosclerosis</i> , 2012, 224, 25-36.	0.4	56
64	Initial Experiences with In Vivo Right Coronary Artery Human MR Vessel Wall Imaging at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003, 5, 589-594.	1.6	53
65	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> , 2004, 20, 288-293.	1.9	53
66	Assessment of the carotid artery by MRI at 3T: A study on reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 1035-1043.	1.9	53
67	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, gfw362.	0.4	53
68	A fast 3D approach for coronary MRA. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 821-825.	1.9	52
69	Regional Coronary Endothelial Function Is Closely Related to Local Early Coronary Atherosclerosis in Patients With Mild Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 341-348.	1.3	51
70	Self-navigated isotropic three-dimensional cardiac $T_2$ mapping. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1549-1554.	1.9	51
71	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.	1.6	51
72	Time-Dependent Deep Image Prior for Dynamic MRI. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3337-3348.	5.4	51

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73	Fluorine MR Imaging of Inflammation in Atherosclerotic Plaque in Vivo. <i>Radiology</i> , 2015, 275, 421-429.	3.6	50
74	Impact of navigator timing on free-breathing submillimeter 3D coronary magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 196-201.	1.9	49
75	Motion Compensation Strategies in Magnetic Resonance Imaging. <i>Critical Reviews in Biomedical Engineering</i> , 2012, 40, 99-119.	0.5	49
76	Selective three-dimensional visualization of the coronary arterial lumen using arterial spin tagging. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 322-329.	1.9	48
77	Direct three-dimensional myocardial strain tensor quantification and tracking using zHARP. <i>Medical Image Analysis</i> , 2008, 12, 778-786.	7.0	46
78	Limitations of stimulated echo acquisition mode (steam) techniques in cardiac applications. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 80-91.	1.9	45
79	Initial results on in vivo human coronary MR angiography at 7 T. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1379-1384.	1.9	45
80	The impact of spatial resolution and respiratory motion on MR imaging of atherosclerotic plaque. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 538-544.	1.9	44
81	Cardiac Structure and Function in the Obese: A Cardiovascular Magnetic Resonance Imaging Study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003, 5, 431-438.	1.6	44
82	Reproducibility of 3D free-breathing magnetic resonance coronary vessel wall imaging. <i>European Heart Journal</i> , 2005, 26, 2320-2324.	1.0	44
83	Spectrally selective $B_1$ -insensitive $T_2$ magnetization preparation sequence. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1326-1335.	1.9	42
84	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.	1.6	42
85	Coronary MR angiography at 3T during diastole and systole. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 921-926.	1.9	40
86	A new technique with high reproducibility to estimate renal oxygenation using BOLD-MRI in chronic kidney disease. <i>Magnetic Resonance Imaging</i> , 2015, 33, 253-261.	1.0	40
87	Toward high-resolution myocardial tagging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 639-643.	1.9	39
88	Spiral MR myocardial tagging. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 237-242.	1.9	39
89	Prevalence of Left Ventricular Regional Dysfunction in Arrhythmogenic Right Ventricular Dysplasia. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 290-297.	1.3	38
90	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, 136-144.	1.1	38

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91	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-H1350.	1.5	38
92	Breathhold Three-Dimensional Coronary Magnetic Resonance Angiography Using Real-Time Navigator Technology. <i>Journal of Cardiovascular Magnetic Resonance</i> , 1999, 1, 233-238.	1.6	37
93	Coronary MR angiography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 81-99.	0.6	37
94	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, 509-516.	1.6	37
95	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, 1461-1470.	1.9	37
96	Coronary Magnetic Resonance Angiography for Assessment of the Stent Lumen: A Phantom Study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 359-367.	1.6	36
97	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.	1.2	36
98	Clinical Role of Coronary Magnetic Resonance Angiography in the Diagnosis of Anomalous Coronary Arteries. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000, 2, 217-224.	1.6	35
99	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, 1228-1233.	1.9	35
100	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, 1019-1026.	1.9	35
101	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, 254-259.	3.6	35
102	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.	1.9	35
103	Navigator-Gated Coronary Magnetic Resonance Angiography Using Steady-State-Free-Precession. <i>Investigative Radiology</i> , 2003, 38, 263-268.	3.5	34
104	Volume-targeted and whole-heart coronary magnetic resonance angiography using an intravascular contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 1191-1196.	1.9	34
105	Fetal cardiac cine magnetic resonance imaging in utero. <i>Scientific Reports</i> , 2017, 7, 15540.	1.6	33
106	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, 645-652.	1.9	32
107	Metallic Renal Artery MR Imaging Stent: Artifact-free Lumen Visualization with Projection and Standard Renal MR Angiography. <i>Radiology</i> , 2003, 227, 897-902.	3.6	32
108	Coronary artery endothelial dysfunction is present in HIV-positive individuals without significant coronary artery disease. <i>Aids</i> , 2017, 31, 1281-1289.	1.0	32

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109	Three-dimensional magnetic resonance myocardial motion tracking from a single image plane. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 92-102.	1.9	30
110	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, 491-497.	0.7	30
111	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, 230-237.	1.0	30
112	Renal Tissue Oxygenation in Essential Hypertension and Chronic Kidney Disease. <i>International Journal of Hypertension</i> , 2013, 2013, 1-7.	0.5	30
113	Tuning Properties of Iron Oxide Nanoparticles in Aqueous Synthesis without Ligands to Improve MRI Relaxivity and SAR. <i>Nanomaterials</i> , 2017, 7, 225.	1.9	30
114	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.	0.9	30
115	Superiority of prone position in free-breathing 3D coronary MRA in patients with coronary disease. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 185-191.	1.9	29
116	Delayed Contrast-Enhanced MRI of the Coronary Artery Wall in Takayasu Arteritis. <i>PLoS ONE</i> , 2012, 7, e50655.	1.1	29
117	Comparison of 3D Segmented Gradient-Echo and Steady-State Free Precession Coronary MRI Sequences in Patients with Coronary Artery Disease. <i>American Journal of Roentgenology</i> , 2005, 185, 103-109.	1.0	28
118	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.	0.3	28
119	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.	1.9	28
120	The impact of navigator timing parameters and navigator spatial resolution on 3D coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 311-318.	1.9	27
121	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-W290.	1.0	27
122	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.	1.1	27
123	Improved myocardial tagging contrast in cine balanced SSFP images. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1159-1167.	1.9	26
124	Correction for heart rate variability during 3D whole heart MR coronary angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1046-1053.	1.9	26
125	RF Pulse Concatenation for Spatially Selective Inversion. <i>Journal of Magnetic Resonance</i> , 2000, 146, 58-65.	1.2	25
126	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, 1594-1604.	1.9	25

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127	Simultaneous Noninvasive Assessment of Systemic and Coronary Endothelial Function. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e003954.	1.3	25
128	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.	1.9	25
129	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.	1.1	25
130	Fluorine-19 Magnetic Resonance Angiography of the Mouse. <i>PLoS ONE</i> , 2012, 7, e42236.	1.1	25
131	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, 238-245.	1.9	24
132	Practical signal-to-noise ratio quantification for sensitivity encoding: Application to coronary MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 1330-1340.	1.9	24
133	Respiratory motion artifact suppression in diffusion-weighted MR imaging of the spine. <i>European Radiology</i> , 2003, 13, 330-336.	2.3	23
134	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, 1047-1052.	3.6	23
135	Positive contrast MR lymphography using inversion recovery with ON-resonant water suppression (IRON). <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1175-1180.	1.9	23
136	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. <i>JAMA Cardiology</i> , 2020, 5, 1401.	3.0	23
137	Low-Cost MR-Compatible Moving Heart Phantom. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000, 2, 181-187.	1.6	22
138	Comparison of fat suppression strategies in 3D spiral coronary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 462-466.	1.9	22
139	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.	1.6	22
140	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.	0.7	22
141	Off-Resonance Angiography: A New Method to Depict Vessels—Phantom and Rabbit Studies. <i>Radiology</i> , 2008, 249, 501-509.	3.6	21
142	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.	1.9	21
143	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.	1.9	21
144	Quantification of the local heartwall motion by magnetic resonance myocardial tagging. <i>Computerized Medical Imaging and Graphics</i> , 1998, 22, 217-228.	3.5	20

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145	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, 739-743.	1.9	20
146	Correction of through-plane deformation artifacts in stimulated echo acquisition mode cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 404-412.	1.9	20
147	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.	0.3	20
148	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-S406.	1.0	19
149	Combined functional and viability cardiac MR imaging in a single breathhold. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 843-849.	1.9	19
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