

Thomas M Grist

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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.

67

papers

4,646

citations

38

h-index

68

g-index

68

ext. papers

5,111

ext. citations

6.9

avg, IF

5.13

L-index

#	Paper	IF	Citations
67	Time-resolved contrast-enhanced 3D MR angiography. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 345-51	4.4	762
66	Undersampled projection reconstruction applied to MR angiography. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 91-101	4.4	307
65	Time-resolved contrast-enhanced imaging with isotropic resolution and broad coverage using an undersampled 3D projection trajectory. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 297-305	4.4	246
64	25 Years of Contrast-Enhanced MRI: Developments, Current Challenges and Future Perspectives. <i>Advances in Therapy</i> , 2016 , 33, 1-28	4.1	211
63	PC VIPR: a high-speed 3D phase-contrast method for flow quantification and high-resolution angiography. <i>American Journal of Neuroradiology</i> , 2005 , 26, 743-9	4.4	195
62	Early emphysematous changes in asymptomatic smokers: detection with 3He MR imaging. <i>Radiology</i> , 2006 , 239, 875-83	20.5	174
61	Functional lung imaging using hyperpolarized gas MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 910-23	5.6	163
60	Time-resolved three-dimensional contrast-enhanced MR angiography of the peripheral vessels. <i>Radiology</i> , 2002 , 225, 43-52	20.5	141
59	Magnetic resonance angiography: current status and future directions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, 19	6.9	124
58	AHA scientific statement. Magnetic resonance angiography : update on applications for extracranial arteries. <i>Circulation</i> , 1999 , 100, 2284-301	16.7	119
57	Assessment of acute renal transplant rejection with blood oxygen level-dependent MR imaging: initial experience. <i>Radiology</i> , 2005 , 236, 911-9	20.5	114
56	BOLD-MRI assessment of intrarenal oxygenation and oxidative stress in patients with chronic kidney allograft dysfunction. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F513-22	4.3	101
55	Review of MRI-based measurements of pulse wave velocity: a biomarker of arterial stiffness. <i>Cardiovascular Diagnosis and Therapy</i> , 2014 , 4, 193-206	2.6	98
54	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 170-6	4.4	97
53	Real-time MR imaging-guided passive catheter tracking with use of gadolinium-filled catheters. <i>Journal of Vascular and Interventional Radiology</i> , 2000 , 11, 1079-85	2.4	91
52	3D time-resolved contrast-enhanced MR DSA: advantages and tradeoffs. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 571-81	4.4	87
51	Coronary MRI with a respiratory feedback monitor: the 2D imaging case. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 116-21	4.4	74

50	Evaluation for Myocarditis in Competitive Student Athletes Recovering From Coronavirus Disease 2019 With Cardiac Magnetic Resonance Imaging. <i>JAMA Cardiology</i> , 2021 , 6, 945-950	16.2	74
49	MR-guided angioplasty of renal artery stenosis in a pig model: a feasibility study. <i>Journal of Vascular and Interventional Radiology</i> , 2000 , 11, 373-81	2.4	72
48	Blood oxygen level-dependent and perfusion magnetic resonance imaging: detecting differences in oxygen bioavailability and blood flow in transplanted kidneys. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 56-64	3.3	70
47	Aorta and runoff vessels: single-injection MR angiography with automated table movement compared with multiinjection time-resolved MR angiography--initial results. <i>Radiology</i> , 2001 , 221, 266-72	20.5	65
46	Repeatability and internal consistency of abdominal 2D and 4D phase contrast MR flow measurements. <i>Academic Radiology</i> , 2013 , 20, 699-704	4.3	59
45	Noninvasive assessment of early kidney allograft dysfunction by blood oxygen level-dependent magnetic resonance imaging. <i>Transplantation</i> , 2006 , 82, 621-8	1.8	57
44	Time-resolved angiography: Past, present, and future. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 1273-86	5.6	54
43	Respiratory blur in 3D coronary MR imaging. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 541-8	4.4	53
42	MRA of the abdominal aorta and lower extremities. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 11, 32-43	5.6	52
41	Noninvasive assessment of transstenotic pressure gradients in porcine renal artery stenoses by using vastly undersampled phase-contrast MR angiography. <i>Radiology</i> , 2011 , 261, 266-73	20.5	51
40	Generation and visualization of four-dimensional MR angiography data using an undersampled 3-D projection trajectory. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 148-57	11.7	48
39	Reproducibility of renal perfusion MR imaging in native and transplanted kidneys using non-contrast arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 1414-21	5.6	46
38	Presurgical localization of the artery of Adamkiewicz with time-resolved 3.0-T MR angiography. <i>Radiology</i> , 2010 , 255, 873-81	20.5	46
37	Renal arteries: isotropic, high-spatial-resolution, unenhanced MR angiography with three-dimensional radial phase contrast. <i>Radiology</i> , 2011 , 258, 254-60	20.5	46
36	Magnetic resonance angiography of renal artery stenosis. <i>American Journal of Kidney Diseases</i> , 1994 , 24, 700-12	7.4	46
35	Aortic pulse wave velocity measurements with undersampled 4D flow-sensitive MRI: comparison with 2D and algorithm determination. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 853-9	5.6	43
34	The effect of injection rate on time-resolved contrast-enhanced peripheral MRA. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 401-10	5.6	43
33	3D MR DSA: effects of injection protocol and image masking. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 12, 476-87	5.6	43

32	Intraarterial gadolinium-enhanced 2D and 3D MR angiography: a preliminary study. <i>Journal of Vascular and Interventional Radiology</i> , 1999 , 10, 1315-21	2.4	42
31	Carotid bifurcation: evaluation of time-resolved three-dimensional contrast-enhanced MR angiography. <i>Radiology</i> , 2001 , 220, 525-32	20.5	40
30	Contrast-enhanced MR angiography of the carotid bifurcation. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 317-25	5.6	40
29	Imaging of lung ventilation and respiratory dynamics in a single ventilation cycle using hyperpolarized He-3 MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 630-6	5.6	36
28	Contrast-Enhanced magnetic resonance angiography of the carotid bifurcation using the time-resolved imaging of contrast kinetics (TRICKS) technique. <i>Topics in Magnetic Resonance Imaging</i> , 2001 , 12, 175-81	2.3	33
27	Combined time-resolved and high-spatial-resolution 3D MRA using an extended adaptive acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 15, 291-301	5.6	30
26	Quantitative MR measures of intrarenal perfusion in the assessment of transplanted kidneys: initial experience. <i>Academic Radiology</i> , 2009 , 16, 1077-85	4.3	29
25	Longitudinal Assessment of Renal Perfusion and Oxygenation in Transplant Donor-Recipient Pairs Using Arterial Spin Labeling and Blood Oxygen Level-Dependent Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2016 , 51, 113-20	10.1	28
24	Magnetic resonance angiography in children: technique, indications, and imaging findings. <i>Pediatric Radiology</i> , 2005 , 35, 26-39	2.8	26
23	Technical developments in MR angiography. <i>Radiologic Clinics of North America</i> , 2002 , 40, 921-51	2.3	22
22	Magnetic resonance imaging-monitored plasmid DNA delivery in primate limb muscle. <i>Human Gene Therapy</i> , 2007 , 18, 257-68	4.8	21
21	Validation of injection parameters for catheter-directed intraarterial gadolinium-enhanced MR angiography. <i>Academic Radiology</i> , 2002 , 9, 172-85	4.3	20
20	Effect of and correction for in-plane myocardial motion on estimates of coronary-volume flow rates. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 815-28	5.6	19
19	Time-resolved 3D MR angiography of the abdomen with a real-time system. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 921-6	4.4	19
18	Myocarditis Associated with mRNA COVID-19 Vaccination. <i>Radiology</i> , 2021 , 301, E409-E411	20.5	19
17	MR measures of renal perfusion, oxygen bioavailability and total renal blood flow in a porcine model: noninvasive regional assessment of renal function. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 128-35	4.3	18
16	Generalized matched filtering for time-resolved MR angiography of pulsatile flow. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 600-8	4.4	18
15	Method for rapidly determining and reconstructing the peak arterial frame from a time-resolved CE-MRA exam. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 817-20	4.4	16

14	X-ray digital subtraction angiography to magnetic resonance-digital subtraction angiography using three-dimensional TRICKS. Historical perspective and computer simulations: a review. <i>Investigative Radiology</i> , 1998 , 33, 496-505	10.1	13
13	Time-resolved contrast-enhanced carotid imaging using undersampled projection reconstruction acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1093-9	5.6	11
12	Magnetic resonance angiography of aorto-iliac disease. <i>American Journal of Surgery</i> , 2000 , 180, 6-12	2.7	11
11	Cine flow measurements using phase contrast with undersampled projections: in vitro validation and preliminary results in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 945-51	5.6	10
10	Development of a phased-array coil for the lower extremities. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 260-7	4.4	10
9	Dynamic four-dimensional MR angiography of the chest and abdomen. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2009 , 17, 77-90	1.6	9
8	3D fluoroscopy with real-time 3D non-cartesian phased-array contrast-enhanced MRA. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 247-54	4.4	7
7	Measurements of wall shear stress and aortic pulse wave velocity in swine with familial hypercholesterolemia. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 1475-85	5.6	5
6	Evaluation of presaturation pulse thickness and gap for lower extremity peripheral two-dimensional time-of-flight MR angiography with a signa 1.5-T unit. <i>Journal of Vascular and Interventional Radiology</i> , 1995 , 6, 965-70	2.4	5
5	Increased presaturation pulse gaps in two-dimensional time-of-flight MR angiography: a pitfall in diseased lower extremities. <i>Journal of Vascular and Interventional Radiology</i> , 1993 , 4, 569-71	2.4	5
4	Automated vessel segmentation using cross-correlation and pooled covariance matrix analysis. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 391-400	3.3	2
3	Design and validation of a motion stage for in vitro MR experiments. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 972-7	5.6	2
2	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging 2000 , 43, 170		2
1	Renal magnetic resonance angiography: an update. <i>Current Opinion in Urology</i> , 1998 , 8, 105-9	2.8	1