

# Martin John Graves

## List of Publications by Citations

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243  
papers

7,660  
citations

48  
h-index

77  
g-index

259  
ext. papers

8,670  
ext. citations

5  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
243	The ATHEROMA (Atorvastatin Therapy: Effects on Reduction of Macrophage Activity) Study. Evaluation using ultrasmall superparamagnetic iron oxide-enhanced magnetic resonance imaging in carotid disease. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 2039-50	15.1	321
242	Identifying inflamed carotid plaques using in vivo USPIO-enhanced MR imaging to label plaque macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1601-6	9.4	279
241	In vivo detection of macrophages in human carotid atheroma: temporal dependence of ultrasmall superparamagnetic particles of iron oxide-enhanced MRI. <i>Stroke</i> , <b>2004</b> , 35, 1631-5	6.7	275
240	Identification of culprit lesions after transient ischemic attack by combined 18F fluorodeoxyglucose positron-emission tomography and high-resolution magnetic resonance imaging. <i>Stroke</i> , <b>2005</b> , 36, 2642-7	6.7	223
239	Stress analysis of carotid plaque rupture based on in vivo high resolution MRI. <i>Journal of Biomechanics</i> , <b>2006</b> , 39, 2611-22	2.9	175
238	Flow measurement by cardiovascular magnetic resonance: a multi-centre multi-vendor study of background phase offset errors that can compromise the accuracy of derived regurgitant or shunt flow measurements. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2010</b> , 12, 5	6.9	170
237	The relationship of age with regional aortic stiffness and diameter. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 1247-55	8.4	150
236	Detection of coronary artery disease by magnetic resonance myocardial perfusion imaging with various contrast medium doses: first European multi-centre experience. <i>European Heart Journal</i> , <b>2004</b> , 25, 1657-65	9.5	150
235	MRI from Picture to Proton <b>2006</b> ,		143
234	Comparison of methods for magnetic resonance-guided [18-F]fluorodeoxyglucose positron emission tomography in human carotid arteries: reproducibility, partial volume correction, and correlation between methods. <i>Stroke</i> , <b>2009</b> , 40, 86-93	6.7	138
233	Temporal lobe rating scale: application to Alzheimer's disease and frontotemporal dementia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2001</b> , 70, 165-73	5.5	132
232	Hippocampal involvement in spatial and working memory: a structural MRI analysis of patients with unilateral mesial temporal lobe sclerosis. <i>Brain and Cognition</i> , <b>1999</b> , 41, 39-65	2.7	128
231	Semiquantitative and quantitative dynamic contrast-enhanced magnetic resonance imaging measurements predict radiation response in cervix cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 74, 766-73	4	127
230	Imaging vascular function for early stage clinical trials using dynamic contrast-enhanced magnetic resonance imaging. <i>European Radiology</i> , <b>2012</b> , 22, 1451-64	8	124
229	Assessment of inflammatory burden contralateral to the symptomatic carotid stenosis using high-resolution ultrasmall, superparamagnetic iron oxide-enhanced MRI. <i>Stroke</i> , <b>2006</b> , 37, 2266-70	6.7	117
228	MRI-derived measurements of fibrous-cap and lipid-core thickness: the potential for identifying vulnerable carotid plaques in vivo. <i>Neuroradiology</i> , <b>2004</b> , 46, 738-43	3.2	117
227	Iron oxide particles for atheroma imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1001-8	9.4	114

226	A medical device-grade T1 and ECV phantom for global T1 mapping quality assurance-the T Mapping and ECV Standardization in cardiovascular magnetic resonance (T1MES) program. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, 58	6.9	101
225	Structural brain abnormalities in male schizophrenics reflect fronto-temporal dissociation. <i>Psychological Medicine</i> , <b>1997</b> , 27, 1257-66	6.9	100
224	Quantifying normal human brain metabolism using hyperpolarized [1-C]pyruvate and magnetic resonance imaging. <i>NeuroImage</i> , <b>2019</b> , 189, 171-179	7.9	92
223	Magnetic resonance imaging screening in women at genetic risk of breast cancer: imaging and analysis protocol for the UK multicentre study. UK MRI Breast Screening Study Advisory Group. <i>Magnetic Resonance Imaging</i> , <b>2000</b> , 18, 765-76	3.3	92
222	Utility of USPIO-enhanced MR imaging to identify inflammation and the fibrous cap: a comparison of symptomatic and asymptomatic individuals. <i>European Journal of Radiology</i> , <b>2009</b> , 70, 555-60	4.7	90
221	Structural analysis and magnetic resonance imaging predict plaque vulnerability: a study comparing symptomatic and asymptomatic individuals. <i>Journal of Vascular Surgery</i> , <b>2007</b> , 45, 768-75	3.5	84
220	Advanced ovarian cancer: multiparametric MR imaging demonstrates response- and metastasis-specific effects. <i>Radiology</i> , <b>2012</b> , 263, 149-59	20.5	77
219	MRI-based motion correction of thoracic PET: initial comparison of acquisition protocols and correction strategies suitable for simultaneous PET/MRI systems. <i>European Radiology</i> , <b>2012</b> , 22, 439-46	8	73
218	Multi-sequence in vivo MRI can quantify fibrous cap and lipid core components in human carotid atherosclerotic plaques. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2004</b> , 28, 207-13	2.3	72
217	Imaging breast cancer using hyperpolarized carbon-13 MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2092-2098	11.5	71
216	Small bowel MRI using water as a contrast medium. <i>British Journal of Radiology</i> , <b>1999</b> , 72, 994-7	3.4	71
215	Carotid plaque inflammation is associated with cerebral microembolism in patients with recent transient ischemic attack or stroke: a pilot study. <i>Circulation: Cardiovascular Imaging</i> , <b>2010</b> , 3, 536-41	3.9	70
214	Utility of high resolution MR imaging to assess carotid plaque morphology: a comparison of acute symptomatic, recently symptomatic and asymptomatic patients with carotid artery disease. <i>Atherosclerosis</i> , <b>2009</b> , 207, 434-9	3.1	66
213	Does calcium deposition play a role in the stability of atheroma? Location may be the key. <i>Cerebrovascular Diseases</i> , <b>2007</b> , 24, 452-9	3.2	66
212	Carotid arterial plaque stress analysis using fluid-structure interactive simulation based on in-vivo magnetic resonance images of four patients. <i>Journal of Biomechanics</i> , <b>2009</b> , 42, 1416-1423	2.9	63
211	A comparison of quantitative methods for clinical imaging with hyperpolarized (13)C-pyruvate. <i>NMR in Biomedicine</i> , <b>2016</b> , 29, 387-99	4.4	63
210	Association between biomechanical structural stresses of atherosclerotic carotid plaques and subsequent ischaemic cerebrovascular events--a longitudinal in vivo magnetic resonance imaging-based finite element study. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2010</b> , 40, 485-91	2.3	62
209	Dural sinus thrombosis. Diagnosis and follow-up by magnetic resonance angiography and imaging. <i>Neuroradiology</i> , <b>1991</b> , 33, 165-7	3.2	61

208	Assessment of limb muscle and adipose tissue by dual-energy X-ray absorptiometry using magnetic resonance imaging for comparison. <i>International Journal of Obesity</i> , <b>1999</b> , 23, 1295-302	5.5	55
207	Correlation of carotid atheromatous plaque inflammation with biomechanical stress: utility of USPIO enhanced MR imaging and finite element analysis. <i>Atherosclerosis</i> , <b>2008</b> , 196, 879-87	3.1	54
206	Correlation of carotid atheromatous plaque inflammation using USPIO-enhanced MR imaging with degree of luminal stenosis. <i>Stroke</i> , <b>2008</b> , 39, 2144-7	6.7	54
205	DCE and DW MRI in monitoring response to androgen deprivation therapy in patients with prostate cancer: a feasibility study. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 778-85	4.4	53
204	Apparent diffusion coefficient and vascular signal fraction measurements with magnetic resonance imaging: feasibility in metastatic ovarian cancer at 3 Tesla: technical development. <i>European Radiology</i> , <b>2010</b> , 20, 491-6	8	53
203	Measuring carotid stenosis on contrast-enhanced magnetic resonance angiography: diagnostic performance and reproducibility of 3 different methods. <i>Stroke</i> , <b>2004</b> , 35, 2083-8	6.7	53
202	MRI from Picture to Proton <b>2017</b> ,		53
201	Magnetic resonance angiography. <i>British Journal of Radiology</i> , <b>1997</b> , 70, 6-28	3.4	52
200	Colon carcinoma: MR imaging with CO2 enema--pilot study. <i>Radiology</i> , <b>2001</b> , 219, 558-62	20.5	50
199	The mechanical triggers of plaque rupture: shear stress vs pressure gradient. <i>British Journal of Radiology</i> , <b>2009</b> , 82 Spec No 1, S39-45	3.4	49
198	Characterisation of carotid atheroma in symptomatic and asymptomatic patients using high resolution MRI. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2008</b> , 79, 905-12	5.5	49
197	Ultrasmall superparamagnetic iron oxide-enhanced magnetic resonance imaging of abdominal aortic aneurysms--a feasibility study. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2011</b> , 41, 167-74	2.3	48
196	Watershed infarcts in transient ischemic attack/minor stroke with > or = 50% carotid stenosis: hemodynamic or embolic?. <i>Stroke</i> , <b>2010</b> , 41, 1410-6	6.7	48
195	Optimization of metal artefact reduction (MAR) sequences for MRI of total hip prostheses. <i>Clinical Radiology</i> , <b>2010</b> , 65, 447-52	2.9	48
194	Assessment of carotid plaque vulnerability using structural and geometrical determinants. <i>Circulation Journal</i> , <b>2008</b> , 72, 1092-9	2.9	48
193	Comparison of the inflammatory burden of truly asymptomatic carotid atheroma with atherosclerotic plaques contralateral to symptomatic carotid stenosis: an ultra small superparamagnetic iron oxide enhanced magnetic resonance study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2007</b> , 78, 1227-32	5.5	48
192	UK quantitative WB-DWI technical workgroup: consensus meeting recommendations on optimisation, quality control, processing and analysis of quantitative whole-body diffusion-weighted imaging for cancer. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170577	3.4	46
191	Quantitative magnetic resonance imaging volumetry distinguishes delusional disorder from late-onset schizophrenia. <i>British Journal of Psychiatry</i> , <b>1994</b> , 165, 474-80	5.4	44

190	Comparison of the inflammatory burden of truly asymptomatic carotid atheroma with atherosclerotic plaques in patients with asymptomatic carotid stenosis undergoing coronary artery bypass grafting: an ultrasmall superparamagnetic iron oxide enhanced magnetic resonance study. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2008</b> , 35, 392-8	2.3	43
189	Sequence optimization to reduce velocity offsets in cardiovascular magnetic resonance volume flow quantification--a multi-vendor study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13, 18	6.9	42
188	Dynamic contrast-enhanced MRI in ovarian cancer: Initial experience at 3 tesla in primary and metastatic disease. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 63, 1044-9	4.4	42
187	A Meta-analysis of the Diagnostic Performance of Diffusion MRI for Breast Lesion Characterization. <i>Radiology</i> , <b>2019</b> , 291, 632-641	20.5	41
186	An assessment on the incremental value of high-resolution magnetic resonance imaging to identify culprit plaques in atherosclerotic disease of the middle cerebral artery. <i>European Radiology</i> , <b>2016</b> , 26, 2206-14	8	40
185	Magnetic resonance imaging volumetric measurements of the superior temporal gyrus, hippocampus, parahippocampal gyrus, frontal and temporal lobes in late paraphrenia. <i>Psychological Medicine</i> , <b>1995</b> , 25, 495-503	6.9	40
184	Modeling leg sections by bioelectrical impedance analysis, dual-energy X-ray absorptiometry, and anthropometry: assessing segmental muscle volume using magnetic resonance imaging as a reference. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 904, 298-305	6.5	39
183	Optimization of improved motion-sensitized driven-equilibrium (IMSDE) blood suppression for carotid artery wall imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2014</b> , 16, 61	6.9	37
182	Magnetic resonance elastography: feasibility of liver stiffness measurements in healthy volunteers at 3T. <i>Clinical Radiology</i> , <b>2012</b> , 67, 258-62	2.9	37
181	Body MRI artifacts in clinical practice: a physicist and radiologist perspective. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 38, 269-87	5.6	37
180	MR elastography: Spleen stiffness measurements in healthy volunteers--preliminary experience. <i>American Journal of Roentgenology</i> , <b>2010</b> , 195, 387-92	5.4	37
179	Components of variance in a multicentre functional MRI study and implications for calculation of statistical power. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 1111-22	5.9	37
178	Cost-effectiveness of diagnostic strategies prior to carotid endarterectomy. <i>Annals of Neurology</i> , <b>2005</b> , 58, 506-15	9.4	37
177	Assessment of early treatment response to neoadjuvant chemotherapy in breast cancer using non-mono-exponential diffusion models: a feasibility study comparing the baseline and mid-treatment MRI examinations. <i>European Radiology</i> , <b>2017</b> , 27, 2726-2736	8	34
176	Multi-site repeatability and reproducibility of MR fingerprinting of the healthy brain at 1.5 and 3.0 T. <i>NeuroImage</i> , <b>2019</b> , 195, 362-372	7.9	32
175	High-resolution magnetic resonance imaging-based biomechanical stress analysis of carotid atheroma: a comparison of single transient ischaemic attack, recurrent transient ischaemic attacks, non-disabling stroke and asymptomatic patient groups. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2011</b> , 41, 83-90	2.3	31
174	Automated estimation of aortic strain from steady-state free-precession and phase contrast MR images. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 65, 986-93	4.4	31
173	Evaluation of nonenhancing tumor fraction assessed by dynamic contrast-enhanced MRI subtraction as a predictor of decrease in tumor volume in response to chemoradiotherapy in advanced cervical cancer. <i>American Journal of Roentgenology</i> , <b>2010</b> , 195, 524-7	5.4	31

172	The influence of computational strategy on prediction of mechanical stress in carotid atherosclerotic plaques: comparison of 2D structure-only, 3D structure-only, one-way and fully coupled fluid-structure interaction analyses. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 1465-71	2.9	30
171	In vivo MRI-based 3D mechanical stress-strain profiles of carotid plaques with juxtaluminal plaque haemorrhage: an exploratory study for the mechanism of subsequent cerebrovascular events. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2011</b> , 42, 427-33	2.3	30
170	Contrast-enhanced MR angiography vs intra-arterial digital subtraction angiography for carotid imaging: activity-based cost analysis. <i>European Radiology</i> , <b>2004</b> , 14, 730-5	8	30
169	The measurement of time-averaged flow by magnetic resonance imaging using continuous acquisition in the carotid arteries and its comparison with Doppler ultrasound. <i>Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists Association, Deutsche Gesellschaft Für Medizinische Physik and the European Federation of Organisations for Medical Physics</i>		30
168	Study of carotid arterial plaque stress for symptomatic and asymptomatic patients. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 2551-7	2.9	29
167	In vivo carotid plaque MRI using quantitative T2* measurements with ultrasmall superparamagnetic iron oxide particles: a dose-response study to statin therapy. <i>NMR in Biomedicine</i> , <b>2011</b> , 24, 89-95	4.4	28
166	Utility of an ultrafast magnetic resonance imaging protocol in recent and semi-recent strokes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2005</b> , 76, 1002-5	5.5	28
165	Predicting composition of leg sections with anthropometry and bioelectrical impedance analysis, using magnetic resonance imaging as reference. <i>Clinical Science</i> , <b>1999</b> , 96, 647	6.5	28
164	A multi-center inter-manufacturer study of the temporal stability of phase-contrast velocity mapping background offset errors. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14, 72	6.9	27
163	The challenges of neonatal magnetic resonance imaging. <i>Pediatric Radiology</i> , <b>2012</b> , 42, 1183-94	2.8	27
162	Branch cut surface placement for unwrapping of undersampled three-dimensional phase data: application to magnetic resonance imaging arterial flow mapping. <i>Applied Optics</i> , <b>2006</b> , 45, 2711-22	1.7	27
161	Non-contrast-enhanced vascular magnetic resonance imaging using flow-dependent preparation with subtraction. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 628-37	4.4	26
160	Temporal dependence of in vivo USPIO-enhanced MRI signal changes in human carotid atheromatous plaques. <i>Neuroradiology</i> , <b>2009</b> , 51, 457-65	3.2	26
159	Diffusion-weighted magnetic resonance imaging for the detection of lipid-rich necrotic core in carotid atheroma in vivo. <i>Neuroradiology</i> , <b>2010</b> , 52, 929-36	3.2	26
158	Non-stenotic ruptured atherosclerotic plaque causing thrombo-embolic stroke. <i>Cerebrovascular Diseases</i> , <b>2005</b> , 20, 53-5	3.2	26
157	Study of reproducibility of human arterial plaque reconstruction and its effects on stress analysis based on multispectral in vivo magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2009</b> , 30, 85-93	5.6	25
156	Arterial luminal curvature and fibrous-cap thickness affect critical stress conditions within atherosclerotic plaque: an in vivo MRI-based 2D finite-element study. <i>Annals of Biomedical Engineering</i> , <b>2010</b> , 38, 3096-101	4.7	25
155	Diagnostic and prognostic significance of cardiovascular magnetic resonance native myocardial T1 mapping in patients with pulmonary hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 78	6.9	25

154	Reliability of magnetic resonance elastography using multislice two-dimensional spin-echo echo-planar imaging (SE-EPI) and three-dimensional inversion reconstruction for assessing renal stiffness. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 844-50	5.6	24
153	Age-related changes of regional pulse wave velocity in the descending aorta using Fourier velocity encoded M-mode. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 65, 261-8	4.4	24
152	Finite element analysis of vulnerable atherosclerotic plaques: a comparison of mechanical stresses within carotid plaques of acute and recently symptomatic patients with carotid artery disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2010</b> , 81, 286-9	5.5	24
151	Extending the dynamic range of phase contrast magnetic resonance velocity imaging using advanced higher-dimensional phase unwrapping algorithms. <i>Journal of the Royal Society Interface</i> , <b>2006</b> , 3, 415-27	4.1	24
150	Conventional digital subtraction x-ray angiography versus magnetic resonance angiography in the evaluation of carotid disease: patient satisfaction and preferences. <i>Clinical Radiology</i> , <b>2004</b> , 59, 358-63	2.9	24
149	Imaging Carotid Atherosclerosis Plaque Ulceration: Comparison of Advanced Imaging Modalities and Recent Developments. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 664-671	4.4	23
148	Impact of plaque haemorrhage and its age on structural stresses in atherosclerotic plaques of patients with carotid artery disease: an MR imaging-based finite element simulation study. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 397-402	2.5	23
147	Normalized wall index specific and MRI-based stress analysis of atherosclerotic carotid plaques: a study comparing acutely symptomatic and asymptomatic patients. <i>Circulation Journal</i> , <b>2010</b> , 74, 2360-4	2.9	23
146	Sequential imaging of asymptomatic carotid atheroma using ultrasmall superparamagnetic iron oxide-enhanced magnetic resonance imaging: a feasibility study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2013</b> , 22, e271-6	2.8	22
145	MR-guided direct arthrography of the glenohumeral joint. <i>Clinical Radiology</i> , <b>2008</b> , 63, 1336-41; discussion 1342-3	2.9	22
144	Interactive body magnetic resonance fluoroscopy using modified single-shot half-Fourier rapid acquisition with relaxation enhancement (RARE) with multiparameter control. <i>Journal of Magnetic Resonance Imaging</i> , <b>2002</b> , 16, 85-93	5.6	22
143	T1-weighted fat-suppressed imaging of the pelvis with a dual-echo Dixon technique: initial clinical experience. <i>Radiology</i> , <b>2011</b> , 258, 583-9	20.5	21
142	Atorvastatin and uptake of ultrasmall superparamagnetic iron oxide nanoparticles (Ferumoxtran-10) in human monocyte-macrophages: implications for magnetic resonance imaging. <i>Biomaterials</i> , <b>2008</b> , 29, 2656-62	15.6	21
141	Ex vivo MRI cell tracking of autologous mesenchymal stromal cells in an ovine osteochondral defect model. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 25	8.3	21
140	Combined MR direct thrombus imaging and non-contrast magnetic resonance venography reveal the evolution of deep vein thrombosis: a feasibility study. <i>European Radiology</i> , <b>2017</b> , 27, 2326-2332	8	20
139	Improved artery-vein separation with acceleration-dependent preparation for non-contrast-enhanced magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 72, 699-706	4.4	20
138	Characterization of healing following atherosclerotic carotid plaque rupture in acutely symptomatic patients: an exploratory study using in vivo cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13, 64	6.9	20
137	Use of ultrasmall superparamagnetic iron oxide particles for imaging carotid atherosclerosis. <i>Nanomedicine</i> , <b>2015</b> , 10, 3077-3087	5.6	19

136	Three-dimensional black-blood T mapping with compressed sensing and data-driven parallel imaging in the carotid artery. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 37, 62-69	3.3	19
135	Identifying vulnerable carotid plaques in vivo using high resolution magnetic resonance imaging-based finite element analysis. <i>Journal of Neurosurgery</i> , <b>2007</b> , 107, 536-42	3.2	19
134	Quantification of Total and Intracellular Sodium Concentration in Primary Prostate Cancer and Adjacent Normal Prostate Tissue With Magnetic Resonance Imaging. <i>Investigative Radiology</i> , <b>2018</b> , 53, 450-456	10.1	19
133	A comparison of semi-automated volumetric vs linear measurement of small vestibular schwannomas. <i>European Archives of Oto-Rhino-Laryngology</i> , <b>2018</b> , 275, 867-874	3.5	18
132	Accuracy and repeatability of fourier velocity encoded M-mode and two-dimensional cine phase contrast for pulse wave velocity measurement in the descending aorta. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 1185-94	5.6	18
131	Association between white matter ischaemia and carotid plaque morphology as defined by high-resolution in vivo MRI. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2009</b> , 38, 149-54	2.3	16
130	Three-dimensional volumetric analysis of atherosclerotic plaques: a magnetic resonance imaging-based study of patients with moderate stenosis carotid artery disease. <i>International Journal of Cardiovascular Imaging</i> , <b>2010</b> , 26, 897-904	2.5	16
129	Correlation of macrophage location and plaque stress distribution using USPIO-enhanced MRI in a patient with symptomatic severe carotid stenosis: a new insight into risk stratification. <i>British Journal of Neurosurgery</i> , <b>2007</b> , 21, 396-8	1	16
128	Comparison of cardiac stroke volume measurement determined using stereological analysis of breath-hold cine MRI and phase contrast velocity mapping. <i>British Journal of Radiology</i> , <b>2000</b> , 73, 825-32 <sup>3.4</sup>		16
127	Quantitative BOLD imaging at 3T: Temporal changes in hepatocellular carcinoma and fibrosis following oxygen challenge. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 739-44	5.6	16
126	In vivo MRI-based simulation of fatigue process: a possible trigger for human carotid atherosclerotic plaque rupture. <i>BioMedical Engineering OnLine</i> , <b>2013</b> , 12, 36	4.1	15
125	Interactive neonatal gastrointestinal magnetic resonance imaging using fruit juice as an oral contrast media. <i>BMC Medical Imaging</i> , <b>2014</b> , 14, 33	2.9	15
124	Non-uniform shrinkage for obtaining computational start shape for in-vivo MRI-based plaque vulnerability assessment. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 2316-9	2.9	15
123	Non-invasive MR imaging of inflammation in a patient with both asymptomatic carotid atheroma and an abdominal aortic aneurysm: a case report. <i>Annals of Surgical Innovation and Research</i> , <b>2007</b> , 1, 4		15
122	A multicenter validation of an active contour-based left ventricular analysis technique. <i>Journal of Magnetic Resonance Imaging</i> , <b>2000</b> , 12, 232-9	5.6	15
121	Hyperpolarized C MRI of Tumor Metabolism Demonstrates Early Metabolic Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Radiology Imaging Cancer</i> , <b>2020</b> , 2, e200017	1.4	15
120	Introduction to Quantitative Susceptibility Mapping and Susceptibility Weighted Imaging. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20181016	3.4	14
119	Effect of Radiofrequency Transmit Field Correction on Quantitative Dynamic Contrast-enhanced MR Imaging of the Breast at 3.0 T. <i>Radiology</i> , <b>2016</b> , 279, 368-77	20.5	14



118	3D high-resolution contrast enhanced MRI of carotid atheroma--a technical update. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 594-7	3.3	14
117	Magnetic resonance elastography in the detection of hepatorenal syndrome in patients with cirrhosis and ascites. <i>European Radiology</i> , <b>2015</b> , 25, 2851-8	8	14
116	3T diffusion-weighted MRI of the thyroid gland with reduced distortion: preliminary results. <i>British Journal of Radiology</i> , <b>2013</b> , 86, 20130022	3.4	14
115	Lumen irregularity dominates the relationship between mechanical stress condition, fibrous-cap thickness, and lumen curvature in carotid atherosclerotic plaque. <i>Journal of Biomechanical Engineering</i> , <b>2011</b> , 133, 034501	2.1	14
114	Internal carotid artery stenosis: accuracy of subjective visual impression for evaluation with digital subtraction angiography and contrast-enhanced MR angiography. <i>Radiology</i> , <b>2007</b> , 244, 213-22	20.5	14
113	Hypoxia and perfusion in breast cancer: simultaneous assessment using PET/MR imaging. <i>European Radiology</i> , <b>2021</b> , 31, 333-344	8	14
112	Comparison of breath-hold, respiratory navigated and free-breathing MR elastography of the liver. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 37, 46-50	3.3	13
111	Non-invasive assessment of glioma microstructure using VERDICT MRI: correlation with histology. <i>European Radiology</i> , <b>2019</b> , 29, 5559-5566	8	13
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