

Chun Yuan

List of Publications by Citations

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268
papers

17,517
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61
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129
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283
ext. papers

19,877
ext. citations

6
avg, IF

6.14
L-index

#	Paper	IF	Citations
268	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part I. <i>Circulation</i> , 2003 , 108, 1664-72	16.7	1985
267	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part II. <i>Circulation</i> , 2003 , 108, 1772-8	16.7	886
266	In vivo accuracy of multispectral magnetic resonance imaging for identifying lipid-rich necrotic cores and intraplaque hemorrhage in advanced human carotid plaques. <i>Circulation</i> , 2001 , 104, 2051-6	16.7	651
265	Association between carotid plaque characteristics and subsequent ischemic cerebrovascular events: a prospective assessment with MRI--initial results. <i>Stroke</i> , 2006 , 37, 818-23	6.7	600
264	Classification of human carotid atherosclerotic lesions with in vivo multicontrast magnetic resonance imaging. <i>Circulation</i> , 2002 , 106, 1368-73	16.7	573
263	Visualization of fibrous cap thickness and rupture in human atherosclerotic carotid plaque in vivo with high-resolution magnetic resonance imaging. <i>Circulation</i> , 2000 , 102, 959-64	16.7	510
262	Presence of intraplaque hemorrhage stimulates progression of carotid atherosclerotic plaques: a high-resolution magnetic resonance imaging study. <i>Circulation</i> , 2005 , 111, 2768-75	16.7	450
261	In vivo quantitative measurement of intact fibrous cap and lipid-rich necrotic core size in atherosclerotic carotid plaque: comparison of high-resolution, contrast-enhanced magnetic resonance imaging and histology. <i>Circulation</i> , 2005 , 112, 3437-44	16.7	415
260	Carotid atherosclerotic plaque: noninvasive MR characterization and identification of vulnerable lesions. <i>Radiology</i> , 2001 , 221, 285-99	20.5	380
259	Identification of fibrous cap rupture with magnetic resonance imaging is highly associated with recent transient ischemic attack or stroke. <i>Circulation</i> , 2002 , 105, 181-5	16.7	373
258	Hemorrhage in the atherosclerotic carotid plaque: a high-resolution MRI study. <i>Stroke</i> , 2004 , 35, 1079-84	16.7	345
257	Contrast-enhanced high resolution MRI for atherosclerotic carotid artery tissue characterization. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 15, 62-7	5.6	336
256	Quantitative magnetic resonance imaging analysis of neovasculature volume in carotid atherosclerotic plaque. <i>Circulation</i> , 2003 , 107, 851-6	16.7	309
255	The vulnerable, or high-risk, atherosclerotic plaque: noninvasive MR imaging for characterization and assessment. <i>Radiology</i> , 2007 , 244, 64-77	20.5	271
254	Vascular dysfunction-The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019 , 15, 158-167	1.2	265
253	Measurement of atherosclerotic carotid plaque size in vivo using high resolution magnetic resonance imaging. <i>Circulation</i> , 1998 , 98, 2666-71	16.7	263
252	Inflammation in carotid atherosclerotic plaque: a dynamic contrast-enhanced MR imaging study. <i>Radiology</i> , 2006 , 241, 459-68	20.5	242

251	Effects of prolonged intensive lipid-lowering therapy on the characteristics of carotid atherosclerotic plaques in vivo by MRI: a case-control study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 1623-9	9.4	238
250	MR angiography by multiple thin slab 3D acquisition. <i>Magnetic Resonance in Medicine</i> , 1991 , 17, 434-51	4.4	228
249	Meta-analysis and systematic review of the predictive value of carotid plaque hemorrhage on cerebrovascular events by magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1081-1091	15.1	215
248	Effect of rosuvastatin therapy on carotid plaque morphology and composition in moderately hypercholesterolemic patients: a high-resolution magnetic resonance imaging trial. <i>American Heart Journal</i> , 2008 , 155, 584.e1-8	4.9	192
247	Serial magnetic resonance imaging of experimental atherosclerosis detects lesion fine structure, progression and complications in vivo. <i>Nature Medicine</i> , 1995 , 1, 69-73	50.5	182
246	Plaque rupture in the carotid artery is localized at the high shear stress region: a case report. <i>Stroke</i> , 2007 , 38, 2379-81	6.7	175
245	Improved suppression of plaque-mimicking artifacts in black-blood carotid atherosclerosis imaging using a multislice motion-sensitized driven-equilibrium (MSDE) turbo spin-echo (TSE) sequence. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 973-81	4.4	169
244	Comparison of symptomatic and asymptomatic atherosclerotic carotid plaque features with in vivo MR imaging. <i>Radiology</i> , 2006 , 240, 464-72	20.5	169
243	3D MRI-based multicomponent FSI models for atherosclerotic plaques. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 947-60	4.7	169
242	Magnetic resonance imaging of carotid atherosclerosis: plaque analysis. <i>Topics in Magnetic Resonance Imaging</i> , 2007 , 18, 371-8	2.3	161
241	Carotid intraplaque hemorrhage imaging at 3.0-T MR imaging: comparison of the diagnostic performance of three T1-weighted sequences. <i>Radiology</i> , 2010 , 254, 551-63	20.5	153
240	Sites of rupture in human atherosclerotic carotid plaques are associated with high structural stresses: an in vivo MRI-based 3D fluid-structure interaction study. <i>Stroke</i> , 2009 , 40, 3258-63	6.7	148
239	Multicontrast high-resolution vessel wall magnetic resonance imaging and its value in differentiating intracranial vasculopathic processes. <i>Stroke</i> , 2015 , 46, 1567-73	6.7	142
238	Prevalence of nonstenosing, complicated atherosclerotic plaques in cryptogenic stroke. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 397-405	8.4	135
237	Surface coil phased arrays for high-resolution imaging of the carotid arteries. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 109-12	5.6	131
236	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. <i>Lancet Neurology</i> , 2019 , 18, 559-572	24.1	129
235	Enhanced image quality in black-blood MRI using the improved motion-sensitized driven-equilibrium (iMSDE) sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 1256-63	5.6	123
234	MRI of carotid atherosclerosis: clinical implications and future directions. <i>Nature Reviews Cardiology</i> , 2010 , 7, 165-73	14.8	119

233	MR imaging of carotid plaque composition during lipid-lowering therapy a prospective assessment of effect and time course. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 977-86	8.4	117
232	Carotid plaque assessment using fast 3D isotropic resolution black-blood MRI. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 627-37	4.4	117
231	Multicontrast black-blood MRI of carotid arteries: comparison between 1.5 and 3 tesla magnetic field strengths. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 691-8	5.6	116
230	MRI of atherosclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 710-9	5.6	114
229	MRI of atherosclerosis in clinical trials. <i>NMR in Biomedicine</i> , 2006 , 19, 636-54	4.4	109
228	T1-insensitive flow suppression using quadruple inversion-recovery. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 899-905	4.4	109
227	Multislice double inversion-recovery black-blood imaging with simultaneous slice reinversion. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 478-83	5.6	104
226	Closed contour edge detection of blood vessel lumen and outer wall boundaries in black-blood MR images. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 257-66	3.3	101
225	Prevalence of American Heart Association type VI carotid atherosclerotic lesions identified by magnetic resonance imaging for different levels of stenosis as measured by duplex ultrasound. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1014-21	15.1	100
224	Sustained acceleration in carotid atherosclerotic plaque progression with intraplaque hemorrhage: a long-term time course study. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 798-804	8.4	99
223	In vivo measurement of regional brain metabolic response to hyperventilation using magnetic resonance: proton echo planar spectroscopic imaging (PEPSI). <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 858-65	4.4	99
222	Predictors of carotid atherosclerotic plaque progression as measured by noninvasive magnetic resonance imaging. <i>Atherosclerosis</i> , 2007 , 194, e34-42	3.1	99
221	Local maximal stress hypothesis and computational plaque vulnerability index for atherosclerotic plaque assessment. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 1789-801	4.7	95
220	Simultaneous noncontrast angiography and intraplaque hemorrhage (SNAP) imaging for carotid atherosclerotic disease evaluation. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 337-45	4.4	94
219	Automated in vivo segmentation of carotid plaque MRI with Morphology-Enhanced probability maps. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 659-68	4.4	87
218	Intra- and interreader reproducibility of magnetic resonance imaging for quantifying the lipid-rich necrotic core is improved with gadolinium contrast enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 203-10	5.6	79
217	High-resolution intracranial vessel wall imaging: imaging beyond the lumen. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 589-97	5.5	77
216	Analysis of the measurement precision of arterial lumen and wall areas using high-resolution MRI. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 968-72	4.4	75

215	Quantitative magnetic resonance imaging phantoms: A review and the need for a system phantom. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 48-61	4.4	74
214	Comparison between 2D and 3D high-resolution black-blood techniques for carotid artery wall imaging in clinically significant atherosclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 918-24	5.6	70
213	Phased-array magnetic resonance imaging of the carotid artery bifurcation: preliminary results in healthy volunteers and a patient with atherosclerotic disease. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 561-5	5.6	68
212	Scan-rescan reproducibility of carotid atherosclerotic plaque morphology and tissue composition measurements using multicontrast MRI at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 168-76	5.6	67
211	Arterial remodeling in [corrected] subclinical carotid artery disease. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 1381-9	8.4	66
210	Carotid artery atherosclerosis: effect of intensive lipid therapy on the vasa vasorum--evaluation by using dynamic contrast-enhanced MR imaging. <i>Radiology</i> , 2011 , 260, 224-31	20.5	65
209	Automated measurement of mean wall thickness in the common carotid artery by MRI: a comparison to intima-media thickness by B-mode ultrasound. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 379-87	5.6	64
208	3D critical plaque wall stress is a better predictor of carotid plaque rupture sites than flow shear stress: An in vivo MRI-based 3D FSI study. <i>Journal of Biomechanical Engineering</i> , 2010 , 132, 031007	2.1	61
207	Ferritin Overexpression for Noninvasive Magnetic Resonance Imaging-Based Tracking of Stem Cells Transplanted into the Heart. <i>Molecular Imaging</i> , 2010 , 9, 7290.2010.00020	3.7	60
206	Carotid Plaque Lipid Content and Fibrous Cap Status Predict Systemic CV Outcomes: The MRI Substudy in AIM-HIGH. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 241-249	8.4	59
205	Added Value of Vessel Wall Magnetic Resonance Imaging for Differentiation of Nonocclusive Intracranial Vasculopathies. <i>Stroke</i> , 2017 , 48, 3026-3033	6.7	59
204	Discriminating carotid atherosclerotic lesion severity by luminal stenosis and plaque burden: a comparison utilizing high-resolution magnetic resonance imaging at 3.0 Tesla. <i>Stroke</i> , 2011 , 42, 347-53	6.7	59
203	Image-based modeling for better understanding and assessment of atherosclerotic plaque progression and vulnerability: data, modeling, validation, uncertainty and predictions. <i>Journal of Biomechanics</i> , 2014 , 47, 834-46	2.9	55
202	Sex differences in patients with asymptomatic carotid atherosclerotic plaque: in vivo 3.0-T magnetic resonance study. <i>Stroke</i> , 2010 , 41, 1630-5	6.7	54
201	Subclinical carotid atherosclerosis: short-term natural history of lipid-rich necrotic core--a multicenter study with MR imaging. <i>Radiology</i> , 2013 , 268, 61-8	20.5	53
200	Advanced human carotid plaque progression correlates positively with flow shear stress using follow-up scan data: an in vivo MRI multi-patient 3D FSI study. <i>Journal of Biomechanics</i> , 2010 , 43, 2530-8	2.9	53
199	Accuracy and uniqueness of three in vivo measurements of atherosclerotic carotid plaque morphology with black blood MRI. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 75-82	4.4	53
198	Added Value of Vessel Wall Magnetic Resonance Imaging in the Differentiation of Moyamoya Vasculopathies in a Non-Asian Cohort. <i>Stroke</i> , 2016 , 47, 1782-8	6.7	52

197	Association of carotid atherosclerotic plaque features with acute ischemic stroke: a magnetic resonance imaging study. <i>European Journal of Radiology</i> , 2013 , 82, e465-70	4.7	52
196	Atherosclerotic plaque progression in carotid arteries: monitoring with high-spatial-resolution MR imaging--multicenter trial. <i>Radiology</i> , 2009 , 252, 789-96	20.5	52
195	Vessel wall imaging for intracranial vascular disease evaluation. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 1154-1159	7.8	50
194	Joint blood and cerebrospinal fluid suppression for intracranial vessel wall MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 831-8	4.4	50
193	Local critical stress correlates better than global maximum stress with plaque morphological features linked to atherosclerotic plaque vulnerability: an in vivo multi-patient study. <i>BioMedical Engineering OnLine</i> , 2009 , 8, 15	4.1	49
192	Evaluation of 3D multi-contrast joint intra- and extracranial vessel wall cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 41	6.9	48
191	Carotid magnetic resonance imaging for monitoring atherosclerotic plaque progression: a multicenter reproducibility study. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 95-103	2.5	48
190	In vitro and in situ magnetic resonance imaging signal features of atherosclerotic plaque-associated lipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 1496-503	9.4	48
189	The association of lesion eccentricity with plaque morphology and components in the superficial femoral artery: a high-spatial-resolution, multi-contrast weighted CMR study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 37	6.9	46
188	Improvements in carotid plaque imaging using a new eight-element phased array coil at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 1209-14	5.6	45
187	Improved carotid intraplaque hemorrhage imaging using a slab-selective phase-sensitive inversion-recovery (SPI) sequence. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1332-40	4.4	43
186	A multi-scale method for automatic correction of intensity non-uniformity in MR images. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 428-36	5.6	43
185	Prevalence and Characteristics of Carotid Artery High-Risk Atherosclerotic Plaques in Chinese Patients With Cerebrovascular Symptoms: A Chinese Atherosclerosis Risk Evaluation II Study. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	41
184	High resolution carotid black-blood 3T MR with parallel imaging and dedicated 4-channel surface coils. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 41	6.9	41
183	MRI of carotid atherosclerosis. <i>Journal of Nuclear Cardiology</i> , 2008 , 15, 266-75	2.1	41
182	Co-existing intracranial and extracranial carotid artery atherosclerotic plaques and recurrent stroke risk: a three-dimensional multicontrast cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 90	6.9	40
181	Reader and platform reproducibility for quantitative assessment of carotid atherosclerotic plaque using 1.5T Siemens, Philips, and General Electric scanners. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 344-52	5.6	40
180	Ultrasound-Based Carotid Elastography for Detection of Vulnerable Atherosclerotic Plaques Validated by Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 365-77	3.5	39

179	Prediction of high-risk plaque development and plaque progression with the carotid atherosclerosis score. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 366-73	8.4	39
178	Adventitial perfusion and intraplaque hemorrhage: a dynamic contrast-enhanced MRI study in the carotid artery. <i>Stroke</i> , 2013 , 44, 1031-6	6.7	39
177	Development of a quantitative intracranial vascular features extraction tool on 3D MRA using semiautomated open-curve active contour vessel tracing. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 3229-3238	4.4	37
176	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. <i>Alzheimer's and Dementia</i> , 2020 , 16, 1714-1733	1.2	36
175	Intracranial aneurysms at higher clinical risk for rupture demonstrate increased wall enhancement and thinning on multicontrast 3D vessel wall MRI. <i>British Journal of Radiology</i> , 2019 , 92, 20180950	3.4	35
174	Differences in carotid arterial morphology and composition between individuals with and without obstructive coronary artery disease: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 31	6.9	34
173	Magnetic [corrected] resonance imaging [corrected] features of the disruption-prone and the disrupted carotid plaque. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 883-96	8.4	32
172	Signal features of the atherosclerotic plaque at 3.0 Tesla versus 1.5 Tesla: impact on automatic classification. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 987-95	5.6	32
171	Carotid atherosclerotic wall imaging by MRI. <i>Neuroimaging Clinics of North America</i> , 2002 , 12, 391-401, vi	3	32
170	The solution of Bloch equations for flowing spins during a selective pulse using a finite difference method. <i>Medical Physics</i> , 1987 , 14, 914-21	4.4	32
169	Chinese Atherosclerosis Risk Evaluation (CARE II) study: a novel cross-sectional, multicentre study of the prevalence of high-risk atherosclerotic carotid plaque in Chinese patients with ischaemic cerebrovascular events-design and rationale. <i>Stroke and Vascular Neurology</i> , 2017 , 2, 15-20	9.1	31
168	Blood Pressure Is a Major Modifiable Risk Factor Implicated in Pathogenesis of Intraplaque Hemorrhage: An In Vivo Magnetic Resonance Imaging Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 743-9	9.4	31
167	Assessment of carotid artery atherosclerotic disease by using three-dimensional fast black-blood MR imaging: comparison with DSA. <i>Radiology</i> , 2015 , 274, 508-16	20.5	31
166	PROMISE: parallel-imaging and compressed-sensing reconstruction of multicontrast imaging using Sharable information. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 523-35	4.4	31
165	Complicated Carotid Artery Plaques as a Cause of Cryptogenic Stroke. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 2212-2222	15.1	30
164	Measuring the labeling efficiency of pseudocontinuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1841-1852	4.4	28
163	POCS-enhanced inherent correction of motion-induced phase errors (POCS-ICE) for high-resolution multishot diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 169-80	4.4	28
162	Quantitative evaluation of high intensity signal on MIP images of carotid atherosclerotic plaques from routine TOF-MRA reveals elevated volumes of intraplaque hemorrhage and lipid rich necrotic core. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 81	6.9	27

161	Plaque Composition in the Proximal Superficial Femoral Artery and Peripheral Artery Disease Events. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1003-1012	8.4	26
160	Carotid plaque fissure: An underestimated source of intraplaque hemorrhage. <i>Atherosclerosis</i> , 2016 , 254, 102-108	3.1	26
159	Carotid Artery Remodeling Is Segment Specific: An In Vivo Study by Vessel Wall Magnetic Resonance Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 927-934	9.4	25
158	Lp(a) (Lipoprotein(a)) Levels Predict Progression of Carotid Atherosclerosis in Subjects With Atherosclerotic Cardiovascular Disease on Intensive Lipid Therapy: An Analysis of the AIM-HIGH (Atherothrombosis Intervention in Metabolic Syndrome With Low HDL/High Triglycerides: Impact on Global Health and Community Events) Study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 102-110	9.4	25
157	Clinical factors associated with high-risk carotid plaque features as assessed by magnetic resonance imaging in patients with established vascular disease (from the AIM-HIGH Study). <i>American Journal of Cardiology</i> , 2014 , 114, 1412-9	3	25
156	Serial MRI of carotid plaque burden: influence of subject repositioning on measurement precision. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 592-9	4.4	25
155	Cardiovascular magnetic resonance in carotid atherosclerotic disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 53	6.9	24
154	Minimization of MR contrast weightings for the comprehensive evaluation of carotid atherosclerotic disease. <i>Investigative Radiology</i> , 2010 , 45, 36-41	10.1	24
153	Hemodynamic assessments of venous pulsatile tinnitus using 4D-flow MRI. <i>Neurology</i> , 2018 , 91, e586-e593	3	23
152	Segmentation of carotid plaque using multicontrast 3D gradient echo MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 812-9	5.6	23
151	Carotid Intraplaque Hemorrhage Imaging with Quantitative Vessel Wall T1 Mapping: Technical Development and Initial Experience. <i>Radiology</i> , 2018 , 287, 276-284	20.5	23
150	Varying correlation between 18F-fluorodeoxyglucose positron emission tomography and dynamic contrast-enhanced MRI in carotid atherosclerosis: implications for plaque inflammation. <i>Stroke</i> , 2014 , 45, 1842-5	6.7	22
149	High-risk plaque in the superficial femoral artery of people with peripheral artery disease: prevalence and associated clinical characteristics. <i>Atherosclerosis</i> , 2014 , 237, 169-76	3.1	21
148	MRI of carotid atherosclerosis. <i>American Journal of Roentgenology</i> , 2013 , 200, W304-13	5.4	21
147	Fast plaque burden assessment of the femoral artery using 3D black-blood MRI and automated segmentation. <i>Medical Physics</i> , 2011 , 38, 5370-84	4.4	21
146	Atherosclerosis of the carotid artery: evaluation by magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 726-32	5.6	21
145	Identification of intraplaque haemorrhage in carotid artery by simultaneous non-contrast angiography and intraPlaque haemorrhage (SNAP) imaging: a magnetic resonance vessel wall imaging study. <i>European Radiology</i> , 2018 , 28, 1681-1686	8	21
144	Atherosclerotic plaque features and distribution in bilateral carotid arteries of asymptomatic elderly population: A 3D multicontrast MR vessel wall imaging study. <i>European Journal of Radiology</i> , 2017 , 96, 6-11	4.7	19

143	Comparison of symptomatic and asymptomatic atherosclerotic carotid plaques using parallel imaging and 3T black-blood in vivo CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 44	6.9	19
142	Nonstenotic Culprit Plaque: The Utility of High-Resolution Vessel Wall MRI of Intracranial Vessels after Ischemic Stroke. <i>Case Reports in Radiology</i> , 2015 , 2015, 356582	0.6	19
141	Magnetic Resonance Imaging Tracking of Graft Survival in the Infarcted Heart: Iron Oxide Particles Versus Ferritin Overexpression Approach. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2014 , 19, 358-367	2.6	19
140	High resolution FDG-microPET of carotid atherosclerosis: plaque components underlying enhanced FDG uptake. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 145-52	2.5	18
139	Ipsilateral plaques display higher T1 signals than contralateral plaques in recently symptomatic patients with bilateral carotid intraplaque hemorrhage. <i>Atherosclerosis</i> , 2017 , 257, 78-85	3.1	18
138	Expansive arterial remodeling of the carotid arteries and its effect on atherosclerotic plaque composition and vulnerability: an in-vivo black-blood 3T CMR study in symptomatic stroke patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 11	6.9	18
137	Size of carotid artery intraplaque hemorrhage and acute ischemic stroke: a cardiovascular magnetic resonance Chinese atherosclerosis risk evaluation study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 36	6.9	18
136	Quantifying effect of intraplaque hemorrhage on critical plaque wall stress in human atherosclerotic plaques using three-dimensional fluid-structure interaction models. <i>Journal of Biomechanical Engineering</i> , 2012 , 134, 121004	2.1	18
135	Simultaneous multislice accelerated interleaved EPI DWI using generalized blipped-CAIPI acquisition and 3D K-space reconstruction. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1593-1605	4.4	17
134	Interleaved EPI diffusion imaging using SPIRiT-based reconstruction with virtual coil compression. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1525-1531	4.4	17
133	Longer duration of statin therapy is associated with decreased carotid plaque vascularity by magnetic resonance imaging. <i>Atherosclerosis</i> , 2016 , 245, 74-81	3.1	17
132	Imaging of the high-risk carotid plaque: magnetic resonance imaging. <i>Seminars in Vascular Surgery</i> , 2017 , 30, 54-61	1.2	17
131	Accelerated 3D MERGE carotid imaging using compressed sensing with a hidden Markov tree model. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 1194-202	5.6	17
130	Non-Invasive Identification of Vulnerable Atherosclerotic Plaques Using Texture Analysis in Ultrasound Carotid Elastography: An InVivo Feasibility Study Validated by Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 817-830	3.5	16
129	Differences in Carotid Plaques Between Symptomatic Patients With and Without Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1234-1239	9.4	16
128	Prevalence of compositional features in subclinical carotid atherosclerosis determined by high-resolution magnetic resonance imaging in chinese patients with coronary artery disease. <i>Stroke</i> , 2010 , 41, 1157-62	6.7	16
127	Simultaneous T and T mapping of the carotid plaque (SIMPLE) with T and inversion recovery prepared 3D radial imaging. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 2598-2608	4.4	16
126	Three-Dimensional Carotid Plaque MR Imaging. <i>Neuroimaging Clinics of North America</i> , 2016 , 26, 1-12	3	15

125	Quantitative assessment of the intracranial vasculature in an older adult population using iCafe. <i>Neurobiology of Aging</i> , 2019 , 79, 59-65	5.6	15
124	Characterization of atherosclerotic disease in thoracic aorta: A 3D, multicontrast vessel wall imaging study. <i>European Journal of Radiology</i> , 2016 , 85, 2030-2035	4.7	15
123	Real-time phase-contrast flow cardiovascular magnetic resonance with low-rank modeling and parallel imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 19	6.9	15
122	In Vivo Validation of Simultaneous Non-Contrast Angiography and intraPlaque Hemorrhage (SNAP) Magnetic Resonance Angiography: An Intracranial Artery Study. <i>PLoS ONE</i> , 2016 , 11, e0149130	3.7	15
121	Simultaneous noncontrast angiography and intraplaque hemorrhage (SNAP) imaging: Comparison with contrast-enhanced MR angiography for measuring carotid stenosis. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1045-1052	5.6	14
120	Deep morphology aided diagnosis network for segmentation of carotid artery vessel wall and diagnosis of carotid atherosclerosis on black-blood vessel wall MRI. <i>Medical Physics</i> , 2019 , 46, 5544-5551	4.4	14
119	Multislab three-dimensional T2-weighted fast spin-echo imaging of the hippocampus: sequence optimization. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 309-15	5.6	14
118	Computed tomography angiography vs 3T black-blood cardiovascular magnetic resonance for identification of symptomatic carotid plaques. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 84	6.9	13
117	A comparison of readout segmented EPI and interleaved EPI in high-resolution diffusion weighted imaging. <i>Magnetic Resonance Imaging</i> , 2018 , 47, 39-47	3.3	13
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