

# Alastair J Martin

## List of Publications by Year in descending order

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134  
papers

6,592  
citations

57758

44  
h-index

69250

77  
g-index

134  
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134  
docs citations

134  
times ranked

6522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aneurysm Growth Occurs at Region of Low Wall Shear Stress. <i>Stroke</i> , 2008, 39, 2997-3002.	2.0	446
2	Whole-heart steady-state free precession coronary artery magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1223-1228.	3.0	270
3	Subthalamic nucleus deep brain stimulator placement using high-field interventional magnetic resonance imaging and a skull-mounted aiming device: technique and application accuracy. <i>Journal of Neurosurgery</i> , 2010, 112, 479-490.	1.6	254
4	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers. <i>JAMA Neurology</i> , 2019, 76, 1049.	9.0	247
5	Safety, Efficacy, and Functionality of High-field Strength Interventional Magnetic Resonance Imaging for Neurosurgery. <i>Neurosurgery</i> , 2000, 46, 632-642.	1.1	241
6	Phase-contrast magnetic resonance imaging measurements in intracranial aneurysms in vivo of flow patterns, velocity fields, and wall shear stress: Comparison with computational fluid dynamics. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 409-417.	3.0	196
7	Chronic hepatitis: Role of diffusion-weighted imaging and diffusion tensor imaging for the diagnosis of liver fibrosis and inflammation. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 89-95.	3.4	186
8	Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury. <i>JAMA Psychiatry</i> , 2019, 76, 249.	11.0	170
9	Brain Biopsy Using High-Field Strength Interventional Magnetic Resonance Imaging. <i>Neurosurgery</i> , 1999, 44, 807-813.	1.1	168
10	Clinical outcomes using ClearPoint interventional MRI for deep brain stimulation lead placement in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2016, 124, 908-916.	1.6	135
11	Parallel Imaging and Diffusion Tensor Imaging for Diffusion-Weighted MRI of the Liver: Preliminary Experience in Healthy Volunteers. <i>American Journal of Roentgenology</i> , 2004, 183, 677-680.	2.2	127
12	Interventional MRI-guided Putaminal Delivery of AAV2-GDNF for a Planned Clinical Trial in Parkinson's Disease. <i>Molecular Therapy</i> , 2011, 19, 1048-1057.	8.2	120
13	Placement of deep brain stimulator electrodes using real-time high-field interventional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1107-1114.	3.0	113
14	Magnetic Resonance Imaging of Implanted Deep Brain Stimulators: Experience in a Large Series. <i>Stereotactic and Functional Neurosurgery</i> , 2008, 86, 92-100.	1.5	113
15	High-resolution MR imaging of human arteries. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 93-100.	3.4	109
16	Toward Precision and Reproducibility of Diffusion Tensor Imaging: A Multicenter Diffusion Phantom and Traveling Volunteer Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 537-545.	2.4	109
17	Clinical outcomes of PD patients having bilateral STN DBS using high-field interventional MR-imaging for lead placement. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 708-712.	1.4	101
18	Magnetic resonance imaging-guided phase 1 trial of putaminal AADC gene therapy for Parkinson's disease. <i>Annals of Neurology</i> , 2019, 85, 704-714.	5.3	101

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19	Macrophage Imaging Within Human Cerebral Aneurysms Wall Using Ferumoxytol-Enhanced MRI: A Pilot Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1032-1038.	2.4	98
20	Brain shift during bur hole-based procedures using interventional MRI. <i>Journal of Neurosurgery</i> , 2014, 121, 149-160.	1.6	97
21	Improving diagnostic yield in brain biopsy: Coupling spectroscopic targeting with real-time needle placement. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 12-15.	3.4	96
22	Brain Tumor Resection: Intraoperative Monitoring with High-Field-Strength MR Imaging Initial Results. <i>Radiology</i> , 2000, 215, 221-228.	7.3	94
23	Interventional MRI-guided deep brain stimulation in pediatric dystonia: first experience with the ClearPoint system. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 14, 400-408.	1.3	92
24	RF-induced heating in tissue near bilateral DBS implants during MRI at 1.5T and 3T: The role of surgical lead management. <i>NeuroImage</i> , 2019, 184, 566-576.	4.2	92
25	MR imaging of blood vessels with an intravascular coil. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 421-429.	3.4	89
26	Novel Platform for MRI-Guided Convection-Enhanced Delivery of Therapeutics: Preclinical Validation in Nonhuman Primate Brain. <i>Stereotactic and Functional Neurosurgery</i> , 2011, 89, 141-151.	1.5	88
27	Computational approach to quantifying hemodynamic forces in giant cerebral aneurysms. <i>American Journal of Neuroradiology</i> , 2003, 24, 1804-10.	2.4	88
28	High-Field Strength Interventional Magnetic Resonance Imaging for Pediatric Neurosurgery. <i>Pediatric Neurosurgery</i> , 1998, 29, 253-259.	0.7	85
29	Numerical Simulations of Flow in Cerebral Aneurysms: Comparison of CFD Results and In Vivo MRI Measurements. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 051011.	1.3	82
30	Endovascular Stents in Pulmonary Valve and Artery in Swine: Feasibility Study of MR Imaging-guided Deployment and Postinterventional Assessment. <i>Radiology</i> , 2003, 226, 475-481.	7.3	78
31	Intravascular MR imaging in a porcine animal model. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 224-229.	3.0	71
32	An Optimized System for Interventional Magnetic Resonance Imaging-Guided Stereotactic Surgery. <i>Operative Neurosurgery</i> , 2012, 70, ons95-ons103.	0.8	71
33	Estimating the Hemodynamic Impact of Interventional Treatments of Aneurysms. <i>Neurosurgery</i> , 2006, 59, E429-E430.	1.1	65
34	Measurement of cerebrospinal fluid oxygen partial pressure in humans using MRI. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 113-121.	3.0	62
35	Discrimination of Myocardial Acute and Chronic (Scar) Infarctions on Delayed Contrast Enhanced Magnetic Resonance Imaging With Intravascular Magnetic Resonance Contrast Media. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1961-1968.	2.8	60
36	Magnetic Resonance-Guided Cardiac Catheterization in a Swine Model of Atrial Septal Defect. <i>Circulation</i> , 2003, 108, 1865-1870.	1.6	56

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37	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018, 84, 253-264.	1.3	56
38	Interventional MRI at high-field (1.5 T): Needle artifacts. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 214-219.	3.4	53
39	First Evidence of Depressed Contractility in the Border Zone of a Human Myocardial Infarction. <i>Annals of Thoracic Surgery</i> , 2012, 93, 1188-1193.	1.3	53
40	Measurement of Gd-DTPA diffusion through PVA hydrogel using a novel magnetic resonance imaging method. <i>Biotechnology and Bioengineering</i> , 1999, 65, 459-467.	3.3	51
41	Quantitative MR measurements of regional and global left ventricular function and strain after intramyocardial transfer of VM202 into infarcted swine myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H522-H532.	3.2	49
42	Myocardial Microinfarction after Coronary Microembolization in Swine: MR Imaging Characterization. <i>Radiology</i> , 2009, 250, 703-713.	7.3	48
43	Implantation of Deep Brain Stimulator Electrodes Using Interventional MRI. <i>Neurosurgery Clinics of North America</i> , 2009, 20, 207-217.	1.7	48
44	Ferumoxytol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. <i>Translational Stroke Research</i> , 2012, 3, 166-173.	4.2	48
45	Biopsy needle tip artifact in MR-guided neurosurgery. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 16-22.	3.4	44
46	Brain biopsy sampling by using VM prospective stereotaxis and a trajectory guide. <i>Journal of Neurosurgery</i> , 2001, 94, 67-71.	1.6	44
47	MR Assessment of Myocardial Perfusion, Viability, and Function after Intramyocardial Transfer of VM202, a New Plasmid Human Hepatocyte Growth Factor in Ischemic Swine Myocardium. <i>Radiology</i> , 2008, 249, 107-118.	7.3	43
48	Transendocardial Delivery of Extracellular Myocardial Markers by Using Combination X-ray/MR Fluoroscopic Guidance: Feasibility Study in Dogs. <i>Radiology</i> , 2004, 231, 689-696.	7.3	42
49	Free-breathing, three-dimensional coronary artery magnetic resonance angiography: Comparison of sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 395-402.	3.4	42
50	Experimental Renal Artery Embolization in a Combined MR Imaging/Angiographic Unit. <i>Journal of Vascular and Interventional Radiology</i> , 2003, 14, 1169-1175.	0.5	40
51	Scarred myocardium imposes additional burden on remote viable myocardium despite a reduction in the extent of area with late contrast MR enhancement. <i>European Radiology</i> , 2006, 16, 827-836.	4.5	40
52	Improving Safety of MRI in Patients with Deep Brain Stimulation Devices. <i>Radiology</i> , 2020, 296, 250-262.	7.3	40
53	Balloon sizing and transcatheter closure of acute atrial septal defects guided by magnetic resonance fluoroscopy: Assessment and validation in a large animal model. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 204-211.	3.4	39
54	Adeno-associated Viral Vector-Encoded Vascular Endothelial Growth Factor Gene: Effect on Cardiovascular MR Perfusion and Infarct Resorption Measurements in Swine. <i>Radiology</i> , 2007, 243, 451-460.	7.3	38

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55	Injection of Adeno-associated Viral Vectorâ€œEncoding Vascular Endothelial Growth Factor Gene in Infarcted Swine Myocardium: MR Measurements of Left Ventricular Function and Strain. <i>Radiology</i> , 2007, 245, 196-205.	7.3	38
56	MR systems for MRIâ€œguided interventions. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 253-266.	3.4	37
57	Utility of high-resolution electroanatomic mapping of the left ventricle using a multispline basket catheter in a swine model of chronic myocardial infarction. <i>Heart Rhythm</i> , 2015, 12, 144-154.	0.7	36
58	An expandable intravenous RF coil for arterial wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 226-234.	3.4	34
59	Intraoperative Magnetic Resonance Imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2000, 11, 203-212.	1.2	34
60	Magnetic resonance imaging quantification of left ventricular dysfunction following coronary microembolization. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 595-602.	3.0	31
61	Heterogeneous Microinfarcts Caused by Coronary Microemboli: Evaluation with Multidetector CT and MR Imaging in a Swine Model. <i>Radiology</i> , 2010, 254, 718-728.	7.3	31
62	MR Guidance of Targeted Injections into Border and Core of Scarred Myocardium in Pigs. <i>Radiology</i> , 2006, 240, 419-426.	7.3	30
63	A Novel Method for Quantifying Smooth Regional Variations in Myocardial Contractility Within an Infarcted Human Left Ventricle Based on Delay-Enhanced Magnetic Resonance Imaging. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 081009.	1.3	29
64	Comparison of Stereotactic Brain Biopsy to Interventional Magnetic-Resonance-Imaging-Guided Brain Biopsy. <i>Stereotactic and Functional Neurosurgery</i> , 1999, 73, 148-153.	1.5	28
65	Effect of Chronic Sustained-Release Dipyridamole on Myocardial Blood Flow and Left Ventricular Function in Patients With Ischemic Cardiomyopathy. <i>Congestive Heart Failure</i> , 2007, 13, 130-135.	2.0	28
66	MR-Guided and MR-Monitored Neurosurgical Procedures at 1.5 T. <i>Journal of Computer Assisted Tomography</i> , 2000, 24, 909-918.	0.9	26
67	Radially Branched Deployment for More Efficient Cell Transplantation at the Scale of the Human Brain. <i>Stereotactic and Functional Neurosurgery</i> , 2013, 91, 92-103.	1.5	25
68	Comparison of Deep Brain Stimulation Lead Targeting Accuracy and Procedure Duration between 1.5- and 3-Tesla Interventional Magnetic Resonance Imaging Systems: An Initial 12-Month Experience. <i>Stereotactic and Functional Neurosurgery</i> , 2016, 94, 102-107.	1.5	25
69	Deep brain stimulator implantation in a diagnostic MRI suite: infection history over a 10-year period. <i>Journal of Neurosurgery</i> , 2017, 126, 108-113.	1.6	25
70	Determination of cerebrospinal fluid shunt obstruction with magnetic resonance phase imaging. <i>Journal of Neurosurgery</i> , 1991, 75, 535-540.	1.6	24
71	Minimally invasive precision brain access using prospective stereotaxy and a trajectory guide. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 737-743.	3.4	24
72	Steady-state imaging for visualization of endovascular interventions. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 434-438.	3.0	23

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73	RF Heating of MRI-Assisted Catheter Steering Coils for Interventional MRI. <i>Academic Radiology</i> , 2011, 18, 277-285.	2.5	23
74	Magnetically Assisted Remote-controlled Endovascular Catheter for Interventional MR Imaging: In Vitro Navigation at 1.5 T versus X-ray Fluoroscopy. <i>Radiology</i> , 2014, 271, 862-869.	7.3	23
75	MR imaging during endovascular procedures: An evaluation of the potential for catheter heating. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 45-53.	3.0	21
76	Steerable Catheter Microcoils for Interventional MRI. <i>Academic Radiology</i> , 2011, 18, 270-276.	2.5	21
77	New-Generation Laser-lithographed Dual-Axis Magnetically Assisted Remote-controlled Endovascular Catheter for Interventional MR Imaging: In Vitro Multiplanar Navigation at 1.5 T and 3 T versus X-ray Fluoroscopy. <i>Radiology</i> , 2015, 277, 842-852.	7.3	20
78	Interventional Magnetic Resonance Guidance of Deep Brain Stimulator Implantation for Parkinson Disease. <i>Topics in Magnetic Resonance Imaging</i> , 2008, 19, 213-221.	1.2	19
79	Impaired regional left ventricular strain after repair of tetralogy of fallot. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 79-85.	3.4	19
80	Carotid stent delivery in an XMR suite: immediate assessment of the physiologic impact of extracranial revascularization. <i>American Journal of Neuroradiology</i> , 2005, 26, 531-7.	2.4	19
81	MR evaluation of cervical cancer in hysterectomy specimens: Correlation of quantitative T2 measurement and histology. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 779-786.	3.4	18
82	Numerical Simulation of Pre- and Postsurgical Flow in a Giant Basilar Aneurysm. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 021004.	1.3	18
83	Delivery and assessment of endovascular stents to repair aortic coarctation using MR and X-ray imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 371-378.	3.4	17
84	Magnetic Resonance Perfusion Tracks 133 Xe Cerebral Blood Flow Changes After Carotid Stenting. <i>Stroke</i> , 2005, 36, 676-678.	2.0	16
85	Interventional Magnetic Resonance Imaging-guided Cell Transplantation Into the Brain With Radially Branched Deployment. <i>Molecular Therapy</i> , 2015, 23, 119-129.	8.2	16
86	Hemorrhage Detection and Incidence during Magnetic Resonance-Guided Deep Brain Stimulator Implantations. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 307-314.	1.5	16
87	Wireless Resonant Circuits Printed Using Aerosol Jet Deposition for MRI Catheter Tracking. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 876-882.	4.2	16
88	Estimation of fusiform intracranial aneurysm growth by serial magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 177-183.	3.4	15
89	Permanent Coronary Artery Occlusion: Cardiovascular MR Imaging Is Platform for Percutaneous Transendocardial Delivery and Assessment of Gene Therapy in Canine Model. <i>Radiology</i> , 2008, 249, 560-571.	7.3	14
90	Comparing deflection measurements of a magnetically steerable catheter using optical imaging and MRI. <i>Medical Physics</i> , 2014, 41, 022305.	3.0	14

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91	Rapid Inverse Planning for Pressure-Driven Drug Infusions in the Brain. <i>PLoS ONE</i> , 2013, 8, e56397.	2.5	13
92	System architecture for a magnetically guided endovascular microcatheter. <i>Biomedical Microdevices</i> , 2014, 16, 97-106.	2.8	13
93	Persistent decline in longitudinal and radial strain after coronary microembolization detected on velocity encoded phase contrast magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 69-76.	3.4	12
94	Magnetic Resonanceâ€“Guided Passive Catheter Tracking for Endovascular Therapy. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 591-605.	1.1	12
95	An efficient chemical shift imaging scheme for magnetic resonanceâ€“guided neurosurgery. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 1-7.	3.4	11
96	Real-time MR Properties of Particulate Embolic Agents Tested in a Dynamic Flow Model. <i>Journal of Vascular and Interventional Radiology</i> , 2002, 13, 613-618.	0.5	11
97	Percutaneous transendocardial VEGF gene therapy: MRI guided delivery and characterization of 3D myocardial strain. <i>International Journal of Cardiology</i> , 2010, 143, 255-263.	1.7	11
98	Endovascular MR-guided Renal Embolization by Using a Magnetically Assisted Remote-controlled Catheter System. <i>Radiology</i> , 2016, 281, 219-228.	7.3	11
99	Deep Brain Stimulation: Interventional and Intraoperative MRI Approaches. <i>Progress in Neurological Surgery</i> , 2018, 33, 187-197.	1.3	11
100	A Volumetric Metric for Monitoring Intracranial Aneurysms: Repeatability and Growth Criteria in a Longitudinal MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2021, 42, 1591-1597.	2.4	11
101	Coronary microembolization causes long-term detrimental effects on regional left ventricular function. <i>Scandinavian Cardiovascular Journal</i> , 2011, 45, 205-214.	1.2	10
102	MR Portal Venography. <i>Academic Radiology</i> , 2002, 9, 1179-1184.	2.5	9
103	Cardiovascular magnetic resonance imaging in delivering and evaluating the efficacy of hepatocyte growth factor gene in chronic infarct scar. <i>Cardiovascular Revascularization Medicine</i> , 2011, 12, 111-122.	0.8	9
104	Noninvasive MR characterization of structural and functional components of reperfused infarct. <i>Acta Radiologica</i> , 2010, 51, 1093-1102.	1.1	8
105	Evaluation of pressureâ€“driven brain infusions in nonhuman primates by intraâ€“operative 7 tesla MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1339-1346.	3.4	8
106	Interventional magnetic resonance imaging guided carotid embolectomy using a novel resonant marker catheter: demonstration of preclinical feasibility. <i>Biomedical Microdevices</i> , 2017, 19, 88.	2.8	8
107	On MR imaging of atheromatous lipids in human arteries. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 373-374.	3.4	7
108	Safety of retained microcatheters: an evaluation of radiofrequency heating in endovascular microcatheters with nitinol, tungsten, and polyetheretherketone braiding at 1.5â€“T and 3â€“T. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 314-319.	3.3	7

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109	Design of catheter radio frequency coils using coaxial transmission line resonators for interventional neurovascular MR imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 187-194.	2.0	7
110	Magnetically-Assisted Remote Controlled Microcatheter Tip Deflection under Magnetic Resonance Imaging. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	6
111	An Integrated Multi-physics Finite Element Modeling Framework for Deep Brain Stimulation: Preliminary Study on Impact of Brain Shift on Neuronal Pathways. <i>Lecture Notes in Computer Science</i> , 2019, , 682-690.	1.3	6
112	Effective Interventional Magnetic Resonance Image-guided Laser Ablations in a Parkinson's Disease Patient with Refractory Tremor. <i>Movement Disorders Clinical Practice</i> , 2016, 3, 312-314.	1.5	5
113	Identification of intra-individual variation in intracranial arterial flow by MRI and the effect on computed hemodynamic descriptors. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 659-666.	2.0	5
114	Software Requirements for Interventional MR in Restorative and Functional Neurosurgery. <i>Neurosurgery Clinics of North America</i> , 2009, 20, 179-186.	1.7	4
115	Accounting for Deformation in Deep Brain Stimulation Surgery With Models: Comparison to Interventional Magnetic Resonance Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2934-2944.	4.2	4
116	Impact of brain shift on neural pathways in deep brain stimulation: a preliminary analysis via multi-physics finite element models. <i>Journal of Neural Engineering</i> , 2021, 18, 056009.	3.5	4
117	DBS targeting for essential tremor using intersectional dentato-rubro-thalamic tractography and direct proton density visualization of the VIM: technical note on 2 cases. <i>Journal of Neurosurgery</i> , 2021, 135, 806-814.	1.6	4
118	Intra-Arterial MR Perfusion Imaging of Meningiomas: Comparison to Digital Subtraction Angiography and Intravenous MR Perfusion Imaging. <i>PLoS ONE</i> , 2016, 11, e0163554.	2.5	4
119	Improved MR images of arterial specimens by submersion in trichlorotrifluoroethane. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 790-796.	3.0	3
120	Imaging and CFD in the analysis of vascular disease progression. , 2006, , .		3
121	Temporal Stability of Dymorphic Fusiform Aneurysms of the Intracranial Internal Carotid Artery. <i>Journal of Vascular and Interventional Radiology</i> , 2011, 22, 1007-1011.	0.5	3
122	Digital subtraction MR angiography roadmapping for magnetic steerable catheter tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1157-1162.	3.4	3
123	MRI in Patients with Deep Brain Stimulation Electrodes: Balancing Risks and Benefits. <i>Radiology</i> , 2019, 293, 184-185.	7.3	3
124	Interventional cardiac magnetic resonance imaging. <i>Seminars in Roentgenology</i> , 2003, 38, 352-357.	0.6	2
125	Quantification of <sup>89</sup> Zr-iron oxide nanoparticle biodistribution using PET-MR and ultrashort TE sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1717-1720.	3.4	2
126	Model-based correction for brain shift in deep brain stimulation burr hole procedures: a comparison using interventional magnetic resonance imaging. , 2018, , .		1



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127	Drs Martin and Henkelman respond. Journal of Magnetic Resonance Imaging, 1995, 5, 374-374.	3.4	0
128	<title>Using fMRI to guide neurosurgery in a combined 1.5Tesla MR operating room</title>. , 2001, 4321, 348.		0
129	<title>Using intraoperative MRI to assess bleeding</title>. , 2001, 4321, 371.		0
130	Assessment of the potential for catheter heating during MR imaging. , 2008, , .		0
131	MRI Guidance of Minimally Invasive Cranial Applications. Medical Radiology, 2011, , 97-112.	0.1	0
132	Catheter-based high-intensity ultrasound for epicardial ablation of the left ventricle: device design and<i>in vivo</i>feasibility. Proceedings of SPIE, 2015, , .	0.8	0
133	Venous Thromboembolism during Interventional MRI-Guided Stereotactic Surgery. Stereotactic and Functional Neurosurgery, 2018, 96, 40-45.	1.5	0
134	Safety Concerns and Limitations. , 2011, , 397-412.		0