Frank G Shellock

List of Publications by Citations

168 papers	7,559 citations	43 h-index	82 g-index
178 ext. papers	8,427 ext. citations	5.5 avg, IF	6.13 L-index

#	Paper	IF	Citations
168	MR procedures: biologic effects, safety, and patient care. *Radiology*, **2004**, 232, 635-52	20.5	426
167	Gadolinium deposition in the brain: summary of evidence and recommendations. *Lancet Neurology, The*, **2017**, 16, 564-570	24.1	390
166	Magnetic resonance imaging and cardiac pacemaker safety at 1.5-Tesla. *Journal of the American College of Cardiology*, **2004**, 43, 1315-24	15.1	318
165	Patellofemoral kinematics during weight-bearing and non-weight-bearing knee extension in persons with lateral subluxation of the patella: a preliminary study. *Journal of Orthopaedic and Sports Physical Therapy*, **2003**, 33, 677-85	4.2	266
164	Safety of magnetic resonance imaging contrast agents. *Journal of Magnetic Resonance Imaging*, **1999**, 10, 477-84	5.6	265
163	Radiofrequency energy-induced heating during MR procedures: a review. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 30-6	5.6	247
162	Neurostimulation systems for deep brain stimulation: in vitro evaluation of magnetic resonance imaging-related heating at 1.5 tesla. *Journal of Magnetic Resonance Imaging*, **2002**, 15, 241-50	5.6	226
161	Permanent neurological deficit related to magnetic resonance imaging in a patient with implanted deep brain stimulation electrodes for Parkinson's disease: case report. *Neurosurgery*, **2005**, 57, E1063; discussion E1063	3.2	202
160	Policies, guidelines, and recommendations for MR imaging safety and patient management. SMRI Safety Committee. *Journal of Magnetic Resonance Imaging*, **1991**, 1, 97-101	5.6	193
159	Evaluation of specific absorption rate as a dosimeter of MRI-related implant heating. *Journal of Magnetic Resonance Imaging*, **2004**, 20, 315-20	5.6	178
158	Biomedical implants and devices: assessment of magnetic field interactions with a 3.0-Tesla MR system. *Journal of Magnetic Resonance Imaging*, **2002**, 16, 721-32	5.6	170
157	MRI safety update 2008: part 1, MRI contrast agents and nephrogenic systemic fibrosis. *American Journal of Roentgenology*, **2008**, 191, 1129-39	5.4	168
156	Magnetic resonance safety update 2002: implants and devices. *Journal of Magnetic Resonance Imaging*, **2002**, 16, 485-96	5.6	160
155	Auditory noise associated with MR procedures: a review. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 37-45	5.6	150
154	Neurostimulation system used for deep brain stimulation (DBS): MR safety issues and implications of failing to follow safety recommendations. *Investigative Radiology*, **2004**, 39, 300-3	10.1	148
153	Quantification of patellar tracking using kinematic MRI. *Journal of Magnetic Resonance Imaging*, **1998**, 8, 724-32	5.6	119
152	MRI safety update 2008: part 2, screening patients for MRI. *American Journal of Roentgenology*, **2008**, 191, 1140-9	5.4	114

151	MR imaging and metallic implants for anterior cruciate ligament reconstruction: assessment of ferromagnetism and artifact. *Journal of Magnetic Resonance Imaging*, **1992**, 2, 225-8	5.6	101
150	MR imaging-related heating of deep brain stimulation electrodes: in vitro study. *American Journal of Neuroradiology*, **2002**, 23, 1795-802	4.4	86
149	Is magnetic resonance imaging safe for patients with neurostimulation systems used for deep brain stimulation?. *Neurosurgery*, **2005**, 57, 1056-62; discussion 1056-62	3.2	82
148	Pre-MRI procedure screening: recommendations and safety considerations for biomedical implants and devices. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 92-106	5.6	82
147	Cardiac pacemakers, ICDs, and loop recorder: evaluation of translational attraction using conventional ("long-bore") and "short-bore" 1.5- and 3.0-Tesla MR systems. *Journal of Cardiovascular Magnetic Resonance*, **2003**, 5, 387-97	6.9	72
146	Evaluation of patients with persistent symptoms after lateral retinacular release by kinematic magnetic resonance imaging of the patellofemoral joint. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **1990**, 6, 226-34	5.4	71
145	Magnetic resonance imaging in patients with cardiac pacemakers: era of "MR Conditional" designs. *Journal of Cardiovascular Magnetic Resonance*, **2011**, 13, 63	6.9	68
144	Determination of gradient magnetic field-induced acoustic noise associated with the use of echo planar and three-dimensional, fast spin echo techniques. *Journal of Magnetic Resonance Imaging*, **1998**, 8, 1154-7	5.6	67
143	Metallic neurosurgical implants: evaluation of magnetic field interactions, heating, and artifacts at 1.5-Tesla. *Journal of Magnetic Resonance Imaging*, **2001**, 14, 295-9	5.6	66
142	Magnetic resonance imaging and permanent cosmetics (tattoos): survey of complications and adverse events. *Journal of Magnetic Resonance Imaging*, **2002**, 15, 180-4	5.6	63
141	MR Safety and the American College of Radiology White Paper. *American Journal of Roentgenology*, **2002**, 178, 1349-52	5.4	63
140	Prosthetic heart valves: evaluation of magnetic field interactions, heating, and artifacts at 1.5 T. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 363-9	5.6	59
139	Neurostimulation systems: assessment of magnetic field interactions associated with 1.5- and 3-Tesla MR systems. *Journal of Magnetic Resonance Imaging*, **2005**, 21, 72-7	5.6	56
138	MRI issues for ballistic objects: information obtained at 1.5-, 3- and 7-Tesla. *Spine Journal*, **2013**, 13, 815-22	4	55
137	Safety of gadobenate dimeglumine (MultiHance): Summary of findings from clinical studies and postmarketing surveillance. *Investigative Radiology*, **2006**, 41, 500-9	10.1	52
136	Magnetic resonance imaging safety: implications for cardiovascular patients. *Journal of Cardiovascular Magnetic Resonance*, **2001**, 3, 171-82	6.9	51
135	Evaluation of the rotator cuff and glenoid labrum using a 0.2-Tesla extremity magnetic resonance (MR) system: MR results compared to surgical findings. *Journal of Magnetic Resonance Imaging*, **2001**, 14, 763-70	5.6	50
134	Alterations in body and skin temperatures caused by magnetic resonance imaging: is the recommended exposure for radiofrequency radiation too conservative?. *British Journal of Radiology* , **1989**, 62, 904-9	3.4	50

133	Ex vivo evaluation of ferromagnetism, heating, and artifacts produced by heart valve prostheses exposed to a 1.5-T MR system. *Journal of Magnetic Resonance Imaging*, **1994**, 4, 756-8	5.6	49
132	Simple design changes to wires to substantially reduce MRI-induced heating at 1.5 T: implications for implanted leads. *Magnetic Resonance Imaging*, **2005**, 23, 887-91	3.3	46
131	Regarding the value reported for the term "spatial gradient magnetic field" and how this information is applied to labeling of medical implants and devices. *American Journal of Roentgenology*, **2011**, 196, 142-5	5.4	45
130	Drug eluting coronary stent: in vitro evaluation of magnet resonance safety at 3 Tesla. *Journal of Cardiovascular Magnetic Resonance*, **2005**, 7, 415-9	6.9	45
129	Computational and experimental studies of an orthopedic implant: MRI-related heating at 1.5-T/64-MHz and 3-T/128-MHz. *Journal of Magnetic Resonance Imaging*, **2013**, 37, 491-7	5.6	43
128	Peroneal tendons: use of kinematic MR imaging of the ankle to determine subluxation. *Journal of Magnetic Resonance Imaging*, **1997**, 7, 451-4	5.6	43
127	Reduction of magnetic resonance imaging-related heating in deep brain stimulation leads using a lead management device. *Operative Neurosurgery*, **2005**, 57, 392-7; discussion 392-7	1.6	43
126	Bilateral neurostimulation systems used for deep brain stimulation: in vitro study of MRI-related heating at 1.5 T and implications for clinical imaging of the brain. *Magnetic Resonance Imaging*, **2005** , 23, 549-55	3.3	43
125	Exertional muscle injuries. *Topics in Magnetic Resonance Imaging*, **1991**, 3, 50???70	2.3	43
124	Policies, guidelines, and recommendations for MR imaging safety and patient management. SMRI Safety Committee. *Journal of Magnetic Resonance Imaging*, **1992**, 2, 247-8	5.6	43
123	Assessment of MRI issues at 7 T for 28 implants and other objects. *American Journal of Roentgenology*, **2014**, 202, 401-5	5.4	42
122	Effect of bracing on patellar kinematics in patients with patellofemoral joint pain. *Medicine and Science in Sports and Exercise*, **1999**, 31, 1714-20	1.2	41
121	MR in patients with pacemakers and ICDs: Defining the issues. *Journal of Cardiovascular Magnetic Resonance*, **2007**, 9, 5-13	6.9	40
120	8.0-Tesla human MR system: temperature changes associated with radiofrequency-induced heating of a head phantom. *Journal of Magnetic Resonance Imaging*, **2003**, 17, 220-6	5.6	39
119	Guidelines and recommendations for MR imaging safety and patient management. III. Questionnaire for screening patients before MR procedures. The SMRI Safety Committee. *Journal of Magnetic Resonance Imaging*, **1994**, 4, 749-51	5.6	39
118	Radiofrequency energy-induced heating of bovine articular cartilage using a bipolar radiofrequency electrode. *American Journal of Sports Medicine*, **2000**, 28, 720-4	6.8	38
117	Safety characteristics of gadobenate dimeglumine: clinical experience from intra- and interindividual comparison studies with gadopentetate dimeglumine. *Journal of Magnetic Resonance Imaging*, **2006**, 24, 1378-85	5.6	37
116	Assessment of MRI issues at 3-Tesla for metallic surgical implants: findings applied to 61 additional skin closure staples and vessel ligation clips. *Journal of Cardiovascular Magnetic Resonance*, **2012**, 14, 3	6.9	36

115	Assessment of patellofemoral relationships using kinematic MRI: comparison between qualitative and quantitative methods. *Journal of Magnetic Resonance Imaging*, **2002**, 16, 69-74	5.6	36
114	Prosthetic heart valves and annuloplasty rings: assessment of magnetic field interactions, heating, and artifacts at 1.5 Tesla. *Journal of Cardiovascular Magnetic Resonance*, **2001**, 3, 317-24	6.9	36
113	Cardiac pacemakers and implantable cardioverter defibrillators: in vitro magnetic resonance imaging evaluation at 1.5-tesla. *Journal of Cardiovascular Magnetic Resonance*, **2007**, 9, 21-31	6.9	35
112	Burns associated with the use of monitoring equipment during MR procedures. *Journal of Magnetic Resonance Imaging*, **1996**, 6, 271-2	5.6	35
111	MR imaging of temporomandibular joint abnormalities associated with cervical hyperextension/hyperflexion (whiplash) injuries. *Journal of Magnetic Resonance Imaging*, **1992**, 2, 569-74	5.6	35
110	Assessment of MRI issues for the Argus II retinal prosthesis. *Magnetic Resonance Imaging*, **2012**, 30, 382-9	3.3	34
109	Assessment of the rotator cuff and glenoid labrum using an extremity MR system: MR results compared to surgical findings from a multi-center study. *Journal of Magnetic Resonance Imaging*, **2004**, 19, 623-31	5.6	34
108	Aneurysm clips: evaluation of magnetic field interactions with an 8.0 T MR system. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 107-11	5.6	34
107	Ex vivo evaluation of ferromagnetism and artifacts of cardiac occluders exposed to a 1.5-T MR system. *Journal of Magnetic Resonance Imaging*, **1994**, 4, 213-5	5.6	34
106	Safety Considerations of 7-T MRI in Clinical Practice. *Radiology*, **2019**, 292, 509-518	20.5	33
105	Cardiac pacemaker: in vitro assessment at 1.5 T. *American Heart Journal*, **2006**, 151, 436-43	4.9	33
104	Effect of a patellar realignment brace on patellofemoral relationships: evaluation with kinematic MR imaging. *Journal of Magnetic Resonance Imaging*, **1994**, 4, 590-4	5.6	33
103	ACR guidance document on MR safe practices: Updates and critical information 2019. *Journal of Magnetic Resonance Imaging*, **2020**, 51, 331-338	5.6	33
102	MRI information for commonly used otologic implants: review and update. *Otolaryngology - Head and Neck Surgery*, **2014**, 150, 512-9	5.5	32
101	Cardiovascular catheters and accessories: ex vivo testing of ferromagnetism, heating, and artifacts associated with MRI. *Journal of Magnetic Resonance Imaging*, **1998**, 8, 1338-42	5.6	32
100	Effect of a 1.5 T static magnetic field on body temperature of man. *Magnetic Resonance in Medicine*, **1986**, 3, 644-7	4.4	31
99	Implantable microstimulator: magnetic resonance safety at 1.5 Tesla. *Investigative Radiology*, **2004**, 39, 591-9	10.1	29
98	Aneurysm clips: evaluation of magnetic field interactions and translational attraction by use of "long-bore" and "short-bore" 3.0-T MR imaging systems. *American Journal of Neuroradiology*, **2003**, 24, 463-71	4.4	29

97	Magnetic resonance safety testing of a newly-developed fiber-optic cardiac pacing lead. *Journal of Magnetic Resonance Imaging*, **2002**, 16, 97-103	5.6	28
96	Implantable spinal fusion stimulator: assessment of MR safety and artifacts. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 214-23	5.6	28
95	Vagus nerve stimulation therapy system: in vitro evaluation of magnetic resonance imaging-related heating and function at 1.5 and 3 tesla. *Neuromodulation*, **2006**, 9, 204-13	3.1	27
94	Neurostimulators: potential for excessive heating of deep brain stimulation electrodes during magnetic resonance imaging. *Journal of Magnetic Resonance Imaging*, **2001**, 14, 488-9	5.6	27
93	Temperature changes associated with radiofrequency energy-induced heating of bovine capsular tissue: evaluation of bipolar RF electrodes. *Arthroscopy - Journal of Arthroscopic and Related Surgery* , **2000**, 16, 348-58	5.4	27
92	Exposure to a 1.5-T static magnetic field does not alter body and skin temperatures in man. *Magnetic Resonance in Medicine*, **1989**, 11, 371-5	4.4	27
91	Detachable coil for cerebral aneurysms: in vitro evaluation of magnetic field interactions, heating, and artifacts at 3T. *American Journal of Neuroradiology*, **2005**, 26, 363-6	4.4	27
90	Effects of coil dimensions and field polarization on RF heating inside a head phantom. *Magnetic Resonance Imaging*, **2005**, 23, 53-60	3.3	26
89	Aneurysm clips: effects of long-term and multiple exposures to a 1.5-T MR system. *Radiology*, **1999**, 210, 563-5	20.5	26
88	Magnetically programmable shunt valve: MRI at 3-Tesla. *Magnetic Resonance Imaging*, **2007**, 25, 1116-21	3.3	24
87	Vascular access ports and catheters: ex vivo testing of ferromagnetism, heating, and artifacts associated with MR imaging. *Magnetic Resonance Imaging*, **1996**, 14, 443-7	3.3	24
86	Metallic surgical instruments for interventional MRI procedures: evaluation of MR safety. *Journal of Magnetic Resonance Imaging*, **2001**, 13, 152-7	5.6	23
85	Biopsy needles and devices: assessment of ferromagnetism and artifacts during exposure to a 1.5-T MR system. *Journal of Magnetic Resonance Imaging*, **1995**, 5, 369-72	5.6	23
84	Thermal responses in human subjects exposed to magnetic resonance imaging. *Annals of the New York Academy of Sciences*, **1992**, 649, 260-72	6.5	23
83	Short-term exposure to a 1.5 tesla static magnetic field does not affect somato-sensory-evoked potentials in man. *Magnetic Resonance Imaging*, **1990**, 8, 65-9	3.3	23
82	Magnetic resonance imaging evaluation of muscle usage associated with three exercises for rotator cuff rehabilitation. *Medicine and Science in Sports and Exercise*, **1999**, 31, 1361-6	1.2	23
81	Detection of implants and other objects using a ferromagnetic detection system: implications for patient screening before MRI. *American Journal of Roentgenology*, **2013**, 201, 720-5	5.4	22
80	Sedation, anesthesia, and physiologic monitoring during MR imaging: evaluation of procedures and equipment. *Journal of Magnetic Resonance Imaging*, **1993**, 3, 553-8	5.6	22

79	MR imaging and cervical fixation devices: evaluation of ferromagnetism, heating, and artifacts at 1.5 Tesla. *Magnetic Resonance Imaging*, **1996**, 14, 1093-8	3.3	21
78	Development and clinical application of kinematic MRI of the patellofemoral joint using an extremity MR system. *Medicine and Science in Sports and Exercise*, **1999**, 31, 788-91	1.2	21
77	The effect of mechanical deformation on magnetic properties and MRI artifacts of type 304 and type 316L stainless steel. *Journal of Magnetic Resonance Imaging*, **1997**, 7, 1170-3	5.6	20
76	Programmable infusion pump and catheter: evaluation using 3-tesla magnetic resonance imaging. *Neuromodulation*, **2008**, 11, 163-70	3.1	19
75	MR imaging and electronically activated devices. *Radiology*, **2001**, 219, 294-5	20.5	17
74	MR imaging and vascular access ports: ex vivo evaluation of ferromagnetism, heating, and artifacts at 1.5 T. *Journal of Magnetic Resonance Imaging*, **1995**, 5, 481-4	5.6	17
73	Ex vivo evaluation of ferromagnetism, heating, and artifacts of breast tissue expanders exposed to a 1.5-T MR system. *Journal of Magnetic Resonance Imaging*, **1995**, 5, 614-6	5.6	17
72	Standardized MR terminology and reporting of implants and devices as recommended by the American College of Radiology Subcommittee on MR Safety. *Radiology*, **2015**, 274, 866-70	20.5	16
71	Assessment of MRI issues for a 3-T "immune" programmable CSF shunt valve. *American Journal of Roentgenology*, **2011**, 197, 202-7	5.4	16
70	Septal repair implants: evaluation of magnetic resonance imaging safety at 3 T. *Magnetic Resonance Imaging*, **2005**, 23, 1021-5	3.3	16
69	Pre-MRI procedure screening: recommendations and safety considerations for biomedical implants and devices. *Journal of Magnetic Resonance Imaging*, **2000**, 12, 510	5.6	16
68	In Vitro Magnetic Resonance Imaging Evaluation of Fragmented, Open-Coil, Percutaneous Peripheral Nerve Stimulation Leads. *Neuromodulation*, **2018**, 21, 276-283	3.1	16
67	Armor-piercing bullet: 3-T MRI findings and identification by a ferromagnetic detection system. *Military Medicine*, **2013**, 178, e380-5	1.3	15
66	Ironman triathletes: MRI assessment of the shoulder. *Skeletal Radiology*, **2008**, 37, 737-41	2.7	15
65	Functional assessment of the joints using kinematic magnetic resonance imaging. *Seminars in Musculoskeletal Radiology*, **2003**, 7, 249-76	1.8	15
64	New metallic implant used for permanent contraception in women: evaluation of MR safety. *American Journal of Roentgenology*, **2002**, 178, 1513-6	5.4	15
63	Ceramic surgical instruments: ex vivo evaluation of compatibility with MR imaging at 1.5 T. *Journal of Magnetic Resonance Imaging*, **1996**, 6, 954-6	5.6	15
62	Extrusion of eye socket magnetic implant after MR imaging: potential hazard to patient with eye prosthesis. *Journal of Magnetic Resonance Imaging*, **1991**, 1, 711-3	5.6	15

61	Evaluation of magnetic resonance imaging issues for a wirelessly powered lead used for epidural, spinal cord stimulation. *Neuromodulation*, **2014**, 17, 334-9; discussion 339	3.1	14
60	Knees of Ironman triathletes: magnetic resonance imaging assessment of older (>35 years old) competitors. *Journal of Magnetic Resonance Imaging*, **2003**, 17, 122-30	5.6	14
59	Dynamic study of the upper airway with ultrafast spoiled GRASS MR imaging. *Journal of Magnetic Resonance Imaging*, **1992**, 2, 103-7	5.6	14
58	Evaluation of MRI issues at 3-Tesla for a transcatheter aortic valve replacement (TAVR) bioprosthesis. *Magnetic Resonance Imaging*, **2015**, 33, 497-501	3.3	13
57	Evaluation of MRI issues for a new neurological implant, the Sensor Reservoir. *Magnetic Resonance Imaging*, **2013**, 31, 1245-50	3.3	13
56	Evaluation of MRI issues for an access port with a radiofrequency identification (RFID) tag. *Magnetic Resonance Imaging*, **2013**, 31, 1439-44	3.3	13
55	"MR-conditional" pacemakers: the radiologist's role in multidisciplinary management. *American Journal of Roentgenology*, **2011**, 197, W457-9	5.4	13
54	Radiofrequency energy induced heating of bovine articular cartilage: comparison between temperature-controlled, monopolar, and bipolar systems. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2001**, 9, 392-7	5.5	12
53	Radiofrequency energy-induced heating of bovine capsular tissue: Temperature changes produced by bipolar versus monopolar electrodes. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2001**, 17, 124-31	5.4	12
52	Sustained benefits or oral pentaerythritol tetranitrate on ventricular function in chronic congestive heart failure. *Clinical Pharmacology and Therapeutics*, **1980**, 28, 436-40	6.1	12
51	Association between the menstrual cycle and anterior cruciate ligament injuries in female athletes. *American Journal of Sports Medicine*, **2000**, 28, 131	6.8	11
50	Evaluation of magnetic resonance imaging issues for implantable microfabricated magnetic actuators. *Biomedical Microdevices*, **2014**, 16, 153-61	3.7	10
49	MR imaging in patients with pacemakers and other devices: engineering the future. *JACC: Cardiovascular Imaging*, **2012**, 5, 332-3	8.4	10
48	MRI of cervical fixation devices: sensation of heating caused by vibration of metallic components. *Journal of Magnetic Resonance Imaging*, **1997**, 7, 771-2	5.6	10
47	In vitro magnetic resonance imaging evaluation of ossicular implants at 3 T. *Otology and Neurotology*, **2012**, 33, 871-7	2.6	9
46	Phantom limb pain induced in amputee by strong magnetic fields. *Journal of Magnetic Resonance Imaging*, **1992**, 2, 221-3	5.6	9
45	MRI interaction with tattoo pigments. *Plastic and Reconstructive Surgery*, **1998**, 101, 1150-1	2.7	9
44	In vitro assessment of 3-T MRI issues for a bioabsorbable, coronary artery scaffold with metallic markers. *Magnetic Resonance Imaging*, **2014**, 32, 163-7	3.3	8

43	Evaluation of MRI artifacts at 3 Tesla for 38 commonly used cosmetics. *Magnetic Resonance Imaging* , **2013**, 31, 778-82	3.3	8
42	A next-generation, flow-diverting implant used to treat brain aneurysms: in vitro evaluation of magnetic field interactions, heating and artifacts at 3-T. *Magnetic Resonance Imaging*, **2013**, 31, 145-9	3.3	8
41	In vitro assessment of a fiducial marker for lung lesions: MRI issues at 3 T. *American Journal of Roentgenology*, **2013**, 200, 1234-7	5.4	8
40	Cervical external immobilization devices: evaluation of magnetic resonance imaging issues at 3.0 Tesla. *Spine*, **2010**, 35, 411-5	3.3	7
39	Screening adolescents for metallic foreign bodies before MR procedures. *Journal of Magnetic Resonance Imaging*, **1995**, 5, 784-5	5.6	7
38	Reconsidering the "MR Unsafe" breast tissue expander with magnetic infusion port: A case report and literature review. *Archives of Plastic Surgery*, **2019**, 46, 375-380	1.6	7
37	Low-intensity focused ultrasound pulsation device used during magnetic resonance imaging: evaluation of magnetic resonance imaging-related heating at 3 Tesla/128 MHz. *Neuromodulation*, **2014**, 17, 236-41; discussion 241	3.1	6
36	In vitro assessment of MRI issues at 3-Tesla for a breast tissue expander with a remote port. *Magnetic Resonance Imaging*, **2014**, 32, 297-302	3.3	6
35	MRI of the shoulder: a rational approach to the reporting of findings. *Journal of Magnetic Resonance Imaging*, **1996**, 6, 268-70	5.6	6
34	Radiofrequency energy-induced heating of bovine articular cartilage: evaluation of a new temperature-controlled, bipolar radiofrequency system used at different settings. *Journal of Knee Surgery*, **2002**, 15, 90-6	2.4	6
33	Chelated or dechelated gadolinium deposition - AuthorsQreply. *Lancet Neurology, The*, **2017**, 16, 955-956	24.1	5
32	Ventricular assist device implant (AB 5000) prototype cannula: in vitro assessment of MRI issues at 3-Tesla. *Journal of Cardiovascular Magnetic Resonance*, **2008**, 10, 23	6.9	5
31	In-office MR imaging. *Clinics in Sports Medicine*, **2002**, 21, 261-87, vii	2.6	5
30	Metallic clips used for scleral buckling: ex vivo evaluation of ferromagnetism at 1.5 T. *Journal of Magnetic Resonance Imaging*, **1993**, 3, 559	5.6	5
29	Thermal responses to different levels of radiofrequency power deposition during clinical magnetic resonance imaging at 1.5 Tesla. *Magnetic Resonance Imaging*, **1986**, 4, 94	3.3	5
28	Undisclosed and undetected foreign bodies during MRI screening resulting in a potentially serious outcome. *Magnetic Resonance Imaging*, **2013**, 31, 630-3	3.3	4
27	Assessment of MRI issues for a new cerebral spinal fluid shunt, gravitational valve (GV). *Magnetic Resonance Imaging*, **2017**, 44, 8-14	3.3	4
26	A new vascular coupling device: assessment of MRI issues at 3-tesla. *Magnetic Resonance Imaging*, **2014**, 32, 585-9	3.3	4

25	"MR conditional" respiratory ventilator system incident in a 3-T MRI environment. *Magnetic Resonance Imaging*, **2011**, 29, 1150-4	3.3	4
24	MRI Safety and Neuromodulation Systems **2009**, 243-281		4
23	Evaluation of Magnetic Resonance Imaging Safety and Imaging Issues Associated with the Occlusion Balloon Used during Fetoscopic Endoluminal Tracheal Occlusion. *Fetal Diagnosis and Therapy*, **2018**, 44, 179-183	2.4	3
22	Assessment of MRI Issues at 3 Tesla for a New Metallic Tissue Marker. *International Journal of Breast Cancer*, **2015**, 2015, 823759	2.3	3
21	MR imaging in patients with intraspinal bullets. *Journal of Magnetic Resonance Imaging*, **1999**, 10, 107	5.6	3
20	Additional information pertaining to the MR-compatibility of biopsy needles and devices. *Journal of Magnetic Resonance Imaging*, **1996**, 6, 411	5.6	3
19	Assessment of metallic patient support devices and other items at 7-Tesla: Findings applied to 46 additional devices. *Magnetic Resonance Imaging*, **2019**, 57, 250-253	3.3	3
18	7-Tesla MRI of the brain in a research subject with bilateral, total knee replacement implants: Case report and proposed safety guidelines. *Magnetic Resonance Imaging*, **2019**, 57, 313-316	3.3	3
17	MRI Safety and Neuromodulation Systems **2018**, 315-337		3
16	Changes in corneal temperature associated with high-field (1.5 Tesla) magnetic resonance imaging: Experience in 118 patients. *Magnetic Resonance Imaging*, **1986**, 4, 95	3.3	2
15	Evaluation of a power injection system in the 7-Tesla MRI environment. *International Journal of Imaging Systems and Technology*, **2015**, 25, 50-55	2.5	1
14	Reply to "Assessment of MRI issues at 7 T". *American Journal of Roentgenology*, **2014**, 203, W561	5.4	1
13	Evaluation of MR safety for a new liquid embolic device. *Journal of NeuroInterventional Surgery*, **2014**, 6, 624-9	7.8	1
12	Excessive temperature increases in pacemaker leads at 3-T MR imaging with a transmit-receive head coil. *Radiology*, **2009**, 251, 948-9; author reply 949-50	20.5	1
11	Bioeffects and Safety of Radiofrequency Electromagnetic Fields **2007**,		1
10	Alterations in body and skin temperatures caused by MRI. *British Journal of Radiology*, **1990**, 63, 317	3.4	1
9	Thermoregulatory consequences of NMR imaging. *Magnetic Resonance Imaging*, **1987**, 5, 505,507	3.3	1
8	MRI safety and imaging artifacts evaluated for a cannulated screw used for guided growth surgery. *Magnetic Resonance Imaging*, **2020**, 66, 219-225	3.3	1

7	Radiofrequency Energy-Induced Heating During MR Procedures: A Review **2000**, 12, 30		1
6	Breast Tissue Expander With Radiofrequency Identification Port: Assessment of MRI Issues. *American Journal of Roentgenology*, **2020**, 215, 159-164	5.4	0
5	MRI Evaluation of an Atrial-Anchored Transcatheter Mitral Valve Replacement Implant. *American Journal of Roentgenology*, **2020**, 214, 524-528	5.4	0
4	Evaluation of MRI Issues for a New Wirelessly Powered, Spinal Cord Stimulation Lead With Receiver. *American Journal of Roentgenology*, **2020**, 214, 406-412	5.4	0
3	Assessment of MRI issues at 1.5 T for the Temperature Logger Implant. *Journal of Thermal Biology*, **2018**, 74, 249-255	2.9	
2	Evaluation of MRI issues at 3-Tesla for a hospital identification (ID) wristband. *Magnetic Resonance Imaging*, **2012**, 30, 299-303	3.3	
1	Screening Forms for Patients for MR Procedures and Individuals for the MR Environment. *Current Protocols in Magnetic Resonance Imaging*, **2003**, 11, A1.1		