

Martin R Prince

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335
papers

14,433
citations

62
h-index

110
g-index

360
ext. papers

16,269
ext. citations

6.7
avg, IF

6.26
L-index

#	Paper	IF	Citations
335	Gadolinium-enhanced MR aortography. <i>Radiology</i> , 1994 , 191, 155-64	20.5	697
334	Stenting and medical therapy for atherosclerotic renal-artery stenosis. <i>New England Journal of Medicine</i> , 2014 , 370, 13-22	59.2	604
333	Breath-hold gadolinium-enhanced MR angiography of the abdominal aorta and its major branches. <i>Radiology</i> , 1995 , 197, 785-92	20.5	535
332	Dynamic gadolinium-enhanced three-dimensional abdominal MR arteriography. <i>Journal of Magnetic Resonance Imaging</i> , 1993 , 3, 877-81	5.6	449
331	Diagnosis of pulmonary embolism with magnetic resonance angiography. <i>New England Journal of Medicine</i> , 1997 , 336, 1422-7	59.2	421
330	Nephrotoxicity of high-dose gadolinium compared with iodinated contrast. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 162-6	5.6	342
329	Morphology enabled dipole inversion for quantitative susceptibility mapping using structural consistency between the magnitude image and the susceptibility map. <i>NeuroImage</i> , 2012 , 59, 2560-8	7.9	303
328	The effects of time varying intravascular signal intensity and k-space acquisition order on three-dimensional MR angiography image quality. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 642-51	5.6	256
327	The dissected aorta: part III. Anatomy and radiologic diagnosis of branch-vessel compromise. <i>Radiology</i> , 1997 , 203, 37-44	20.5	246
326	Automated detection of bolus arrival and initiation of data acquisition in fast, three-dimensional, gadolinium-enhanced MR angiography. <i>Radiology</i> , 1997 , 203, 275-80	20.5	246
325	Incidence of nephrogenic systemic fibrosis at two large medical centers. <i>Radiology</i> , 2008 , 248, 807-16	20.5	241
324	Three-dimensional gadolinium-enhanced MR angiography of the thoracic aorta. <i>American Journal of Roentgenology</i> , 1996 , 166, 1387-97	5.4	234
323	The dissected aorta: percutaneous treatment of ischemic complications--principles and results. <i>Journal of Vascular and Interventional Radiology</i> , 1997 , 8, 605-25	2.4	212
322	25 Years of Contrast-Enhanced MRI: Developments, Current Challenges and Future Perspectives. <i>Advances in Therapy</i> , 2016 , 33, 1-28	4.1	211
321	Contrast-enhanced abdominal MR angiography: optimization of imaging delay time by automating the detection of contrast material arrival in the aorta. <i>Radiology</i> , 1997 , 203, 109-14	20.5	209
320	Quantitative MR susceptibility mapping using piece-wise constant regularized inversion of the magnetic field. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1003-9	4.4	207
319	Incidence of immediate gadolinium contrast media reactions. <i>American Journal of Roentgenology</i> , 2011 , 196, W138-43	5.4	199

318	The value of specific MRI features in the evaluation of suspected placental invasion. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 87-93	3.3	189
317	Gadolinium-enhanced MR angiography of visceral arteries in patients with suspected chronic mesenteric ischemia. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 171-6	5.6	169
316	Hemodynamically significant atherosclerotic renal artery stenosis: MR angiographic features. <i>Radiology</i> , 1997 , 205, 128-36	20.5	150
315	Gadolinium Retention: A Research Roadmap from the 2018 NIH/ACR/RSNA Workshop on Gadolinium Chelates. <i>Radiology</i> , 2018 , 289, 517-534	20.5	136
314	Signal Change in the Dentate Nucleus on T1-Weighted MR Images After Multiple Administrations of Gadopentetate Dimeglumine Versus Gadobutrol. <i>American Journal of Roentgenology</i> , 2016 , 206, 414-9	5.4	134
313	MR angiography with an ultrasmall superparamagnetic iron oxide blood pool agent. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 209-14	5.6	130
312	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 951-971	5.6	128
311	Trabeculated (noncompacted) and compact myocardium in adults: the multi-ethnic study of atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 357-66	3.9	127
310	The relationship of left ventricular trabeculation to ventricular function and structure over a 9.5-year follow-up: the MESA study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1971-80	15.1	123
309	Gadolinium-enhanced magnetic resonance angiography of abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 1995 , 21, 656-69	3.5	115
308	3D contrast-enhanced MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 13-25	5.6	113
307	¹¹ C-dihydrotetrabenazine PET of the pancreas in subjects with long-standing type 1 diabetes and in healthy controls. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 382-9	8.9	108
306	Risk factors for NSF: a literature review. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 1298-308	5.6	100
305	Magnetic resonance angiography with gadomer-17. An animal study original investigation. <i>Investigative Radiology</i> , 1998 , 33, 699-708	10.1	100
304	Anti-P-selectin antibody decreases inflammation and thrombus formation in venous thrombosis. <i>Journal of Vascular Surgery</i> , 1997 , 25, 816-27; discussion 828	3.5	99
303	Respiratory and cardiac self-gated free-breathing cardiac CINE imaging with multiecho 3D hybrid radial SSFP acquisition. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1230-7	4.4	98
302	Contrast material travel times in patients undergoing peripheral MR angiography. <i>Radiology</i> , 2002 , 224, 55-61	20.5	96
301	Arterial-phase three-dimensional contrast-enhanced MR angiography of the carotid arteries. <i>American Journal of Roentgenology</i> , 1996 , 167, 211-5	5.4	96

300	Morphologic and functional magnetic resonance imaging of renal artery stenosis: a multireader tricenter study. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 158-169	12.7	96
299	Pulmonary Microvascular Blood Flow in Mild Chronic Obstructive Pulmonary Disease and Emphysema. The MESA COPD Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 570-80	10.2	95
298	Quantitative evaluation of susceptibility and shielding effects of nitinol, platinum, cobalt-alloy, and stainless steel stents. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 972-6	4.4	95
297	Blood pool MR angiography of aortic stent-graft endoleak. <i>American Journal of Roentgenology</i> , 2004 , 182, 1181-6	5.4	91
296	3D gadolinium-enhanced MR angiography of the carotid arteries. <i>Magnetic Resonance Imaging</i> , 1996 , 14, 593-600	3.3	90
295	Contrast-enhanced peripheral MR angiography from the abdominal aorta to the pedal arteries: combined dynamic two-dimensional and bolus-chase three-dimensional acquisitions. <i>Investigative Radiology</i> , 2001 , 36, 170-7	10.1	89
294	Normal left ventricular myocardial thickness for middle-aged and older subjects with steady-state free precession cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 500-8	3.9	88
293	Thoracic MR aortography: imaging techniques and strategies. <i>Radiographics</i> , 1998 , 18, 287-309	5.4	88
292	Iron oxide-enhanced MR lymphography: the evaluation of cervical lymph node metastases in head and neck cancer. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 75-81	5.6	86
291	Flow compensated quantitative susceptibility mapping for venous oxygenation imaging. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 438-45	4.4	84
290	Vascular complications of liver transplantation: evaluation with gadolinium-enhanced MR angiography. <i>Radiology</i> , 1998 , 207, 153-60	20.5	83
289	Gadodiamide administration causes spurious hypocalcemia. <i>Radiology</i> , 2003 , 227, 639-46	20.5	81
288	Diagnosis of renal vascular disease with MR angiography. <i>Radiographics</i> , 1999 , 19, 1535-54	5.4	81
287	Nephrogenic systemic fibrosis: review of 370 biopsy-confirmed cases. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1206-16	8.4	77
286	Venous thrombosis prophylaxis by inflammatory inhibition without anticoagulation therapy. <i>Journal of Vascular Surgery</i> , 2000 , 31, 309-24	3.5	77
285	Extent of Signal Hyperintensity on Unenhanced T1-weighted Brain MR Images after More than 35 Administrations of Linear Gadolinium-based Contrast Agents. <i>Radiology</i> , 2017 , 282, 516-525	20.5	76
284	Magnetic resonance imaging anatomy of the female urethra: a direct histologic comparison. <i>Obstetrics and Gynecology</i> , 1996 , 88, 750-6	4.9	74
283	Nephrogenic systemic fibrosis and its impact on abdominal imaging. <i>Radiographics</i> , 2009 , 29, 1565-74	5.4	73

282	CONTRAST-ENHANCED MR ANGIOGRAPHY: Theory and Optimization. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1998 , 6, 257-267	1.6	73
281	Reproducibility of quantitative susceptibility mapping in the brain at two field strengths from two vendors. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1592-600	5.6	69
280	The diameter of the inferior vena cava and its implications for the use of vena caval filters. <i>Radiology</i> , 1983 , 149, 687-9	20.5	68
279	Immediate Allergic Reactions to Gadolinium-based Contrast Agents: A Systematic Review and Meta-Analysis. <i>Radiology</i> , 2018 , 286, 471-482	20.5	67
278	Impaired left ventricular filling in COPD and emphysema: is it the heart or the lungs? The Multi-Ethnic Study of Atherosclerosis COPD Study. <i>Chest</i> , 2013 , 144, 1143-1151	5.3	67
277	Cor pulmonale parvus in chronic obstructive pulmonary disease and emphysema: the MESA COPD study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 2000-9	15.1	63
276	Pulmonary hyperinflation and left ventricular mass: the Multi-Ethnic Study of Atherosclerosis COPD Study. <i>Circulation</i> , 2013 , 127, 1503-11, 1511e1-6	16.7	63
275	The effects of incomplete breath-holding on 3D MR image quality. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 1132-9	5.6	63
274	MR imaging (including MR angiography) of abdominal aortic aneurysms: comparison with conventional angiography. <i>American Journal of Roentgenology</i> , 1994 , 163, 203-10	5.4	63
273	Minimizing risk of nephrogenic systemic fibrosis in cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 31	6.9	61
272	Automated segmentation of routine clinical cardiac magnetic resonance imaging for assessment of left ventricular diastolic dysfunction. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 476-84	3.9	61
271	In vivo quantification of contrast agent concentration using the induced magnetic field for time-resolved arterial input function measurement with MRI. <i>Medical Physics</i> , 2008 , 35, 5328-39	4.4	61
270	Deep venous thrombosis complicating a congenital absence of the inferior vena cava. <i>Surgery</i> , 1996 , 120, 891-6	3.6	61
269	Magnetic resonance imaging in renal transplantation. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 357-68	5.6	60
268	Viral IL-10 gene transfer decreases inflammation and cell adhesion molecule expression in a rat model of venous thrombosis. <i>Journal of Immunology</i> , 2000 , 164, 2131-41	5.3	59
267	Percent emphysema and right ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis-Lung and Multi-Ethnic Study of Atherosclerosis-Right Ventricle Studies. <i>Chest</i> , 2013 , 144, 136-144	5.3	58
266	"Bull's-eye" sign on gadolinium-enhanced magnetic resonance venography determines thrombus presence and age: a preliminary study. <i>Journal of Vascular Surgery</i> , 1997 , 26, 809-16	3.5	58
265	Coronary MR angiography: selection of acquisition window of minimal cardiac motion with electrocardiography-triggered navigator cardiac motion prescanning--initial results. <i>Radiology</i> , 2001 , 218, 580-5	20.5	57

264	Effects of papillary muscles and trabeculae on left ventricular quantification: increased impact of methodological variability in patients with left ventricular hypertrophy. <i>Journal of Hypertension</i> , 2008 , 26, 1677-85	1.9	56
263	Gadolinium-enhanced magnetic resonance angiography of renal transplants. <i>Magnetic Resonance Imaging</i> , 1997 , 15, 13-20	3.3	55
262	Left ventricle: automated segmentation by using myocardial perfusion threshold reduction and intravoxel computation at MR imaging. <i>Radiology</i> , 2008 , 248, 1004-12	20.5	54
261	Human airway branch variation and chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E974-E981	11.5	53
260	In vitro model of arterial stenosis: correlation of MR signal dephasing and trans-stenotic pressure gradients. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 301-10	3.3	53
259	Bolus arterial-venous transit in the lower extremity and venous contamination in bolus chase three-dimensional magnetic resonance angiography. <i>Investigative Radiology</i> , 2002 , 37, 458-63	10.1	53
258	Decreased venous contamination on 3D gadolinium-enhanced bolus chase peripheral mr angiography using thigh compression. <i>American Journal of Roentgenology</i> , 2004 , 183, 1041-7	5.4	52
257	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. <i>Radiology</i> , 2019 , 293, 554-564	20.5	50
256	Radiologic monitoring of hepatocellular carcinoma tumor viability after transhepatic arterial chemoembolization: estimating the accuracy of contrast-enhanced cross-sectional imaging with histopathologic correlation. <i>Journal of Vascular and Interventional Radiology</i> , 2009 , 20, 30-8	2.4	50
255	3D dynamic contrast-enhanced MRI of rectal carcinoma at 3T: correlation with microvascular density and vascular endothelial growth factor markers of tumor angiogenesis. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 1309-16	5.6	50
254	Gadolinium-enhanced 3D magnetic resonance angiography of the thoracic vessels. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 758-70	5.6	50
253	Unambiguous identification of superparamagnetic iron oxide particles through quantitative susceptibility mapping of the nonlinear response to magnetic fields. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 1383-9	3.3	49
252	BODY MR ANGIOGRAPHY WITH GADOLINIUM CONTRAST AGENTS. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1996 , 4, 11-24	1.6	46
251	Optimizing three-dimensional gadolinium-enhanced magnetic resonance angiography. Original investigation. <i>Investigative Radiology</i> , 1998 , 33, 528-37	10.1	46
250	A Systematic Review of 639 Patients with Biopsy-confirmed Nephrogenic Systemic Fibrosis. <i>Radiology</i> , 2019 , 292, 376-386	20.5	45
249	Contrast-enhanced MR angiography. <i>Abdominal Imaging</i> , 1998 , 23, 469-84		45
248	The development of endotension is associated with increased transmission of pressure and serous components in porous expanded polytetrafluoroethylene stent-grafts: characterization using a canine model. <i>Journal of Vascular Surgery</i> , 2006 , 43, 109-16	3.5	45
247	Peripheral vascular disease: combined 3D bolus chase and dynamic 2D MR angiography compared with x-ray angiography for treatment planning. <i>Radiology</i> , 2002 , 224, 63-74	20.5	44

246	A fast navigator-gated 3D sequence for delayed enhancement MRI of the myocardium: comparison with breathhold 2D imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 802-8	5.6	43
245	Interobserver variability in the evaluation of chronic mesenteric ischemia with gadolinium-enhanced MR angiography. <i>Academic Radiology</i> , 2001 , 8, 879-87	4.3	43
244	Renal MR angiography: a comprehensive approach. <i>Journal of Magnetic Resonance Imaging</i> , 1998 , 8, 511-566	5.6	42
243	Renal MR angiography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2004 , 12, 487-503, vi	1.6	42
242	Comparative in vitro evaluation of the nitinol inferior vena cava filter. <i>Radiology</i> , 1982 , 145, 351-5	20.5	42
241	Bone quantitative susceptibility mapping using a chemical species-specific R2* signal model with ultrashort and conventional echo data. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 121-128	4.4	41
240	Renal artery stenosis evaluation: diagnostic performance of gadobenate dimeglumine-enhanced MR angiography--comparison with DSA. <i>Radiology</i> , 2008 , 247, 273-85	20.5	41
239	Effective motion-sensitizing magnetization preparation for black blood magnetic resonance imaging of the heart. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 1092-100	5.6	41
238	A pilot investigation of new superparamagnetic iron oxide (ferumoxytol) as a contrast agent for cardiovascular MRI. <i>Journal of X-Ray Science and Technology</i> , 2003 , 11, 231-40	2.1	41
237	Expanding role of MR angiography in clinical practice. <i>European Radiology, Supplement</i> , 2006 , 16 Suppl 2, B3-8		40
236	Arterial-phase three-dimensional gadolinium magnetic resonance angiography of the renal arteries. Strategies for timing and contrast media injection: original investigation. <i>Investigative Radiology</i> , 1998 , 33, 506-14	10.1	40
235	Improved left ventricular mass quantification with partial voxel interpolation: in vivo and necropsy validation of a novel cardiac MRI segmentation algorithm. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 137-46	3.9	39
234	Subclavian MR arteriography: reduction of susceptibility artifact with short echo time and dilute gadopentetate dimeglumine. <i>Radiology</i> , 2000 , 217, 581-6	20.5	39
233	Time of flight renal MR angiography: utility in patients with renal insufficiency. <i>Magnetic Resonance Imaging</i> , 1993 , 11, 925-30	3.3	39
232	Three-dimensional Contrast-enhanced MR Angiography. <i>Topics in Magnetic Resonance Imaging</i> , 1996 , 8, 322-344	2.3	38
231	Fast 3D contrast enhanced MRI of the liver using temporal resolution acceleration with constrained evolution reconstruction. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 370-81	4.4	37
230	Impact of diastolic dysfunction severity on global left ventricular volumetric filling - assessment by automated segmentation of routine cine cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 46	6.9	37
229	Local intravascular effects of the nitinol wire blood clot filter. <i>Investigative Radiology</i> , 1988 , 23, 294-300	10.1	36

228	Effect of Renal Function on Gadolinium-Related Signal Increases on Unenhanced T1-Weighted Brain Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2016 , 51, 677-682	10.1	36
227	Pulmonary vascular volume, impaired left ventricular filling and dyspnea: The MESA Lung Study. <i>PLoS ONE</i> , 2017 , 12, e0176180	3.7	35
226	Renal artery stenosis: imaging options, pitfalls, and concerns. <i>Progress in Cardiovascular Diseases</i> , 2009 , 52, 209-19	8.5	35
225	Effect of the rate of gadopentetate dimeglumine administration on abdominal vascular and soft-tissue MR imaging enhancement patterns. <i>Radiology</i> , 1996 , 201, 809-16	20.5	35
224	Kalman filtering for real-time navigator processing. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 158-68	4.4	35
223	Quantitative and semiquantitative measures of regional pulmonary microvascular perfusion by magnetic resonance imaging and their relationships to global lung perfusion and lung diffusing capacity: the multiethnic study of atherosclerosis chronic obstructive pulmonary disease study. <i>Investigative Radiology</i> , 2013 , 48, 223-30	10.1	34
222	Effect of gadolinium on phase-contrast MR angiography of the renal arteries. <i>American Journal of Roentgenology</i> , 1997 , 168, 261-6	5.4	34
221	Diagnosis of renal artery stenosis with magnetic resonance angiography: update 2003. <i>Nephrology Dialysis Transplantation</i> , 2003 , 18, 1252-6	4.3	34
220	Algorithm for fast monoexponential fitting based on Auto-Regression on Linear Operations (ARLO) of data. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 843-50	4.4	33
219	3-T MRI of rectal carcinoma: preoperative diagnosis, staging, and planning of sphincter-sparing surgery. <i>American Journal of Roentgenology</i> , 2008 , 190, 1271-8	5.4	33
218	Usefulness of magnetic resonance angiography in the evaluation of complex congenital heart disease in newborns and infants. <i>American Journal of Cardiology</i> , 2007 , 100, 715-21	3	33
217	Effects of gadopentetate dimeglumine and gadodiamide on serum calcium, magnesium, and creatinine measurements. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 383-7	5.6	33
216	Anatomic imaging of abdominal perforator flaps without ionizing radiation: seeing is believing with magnetic resonance imaging angiography. <i>Journal of Reconstructive Microsurgery</i> , 2010 , 26, 37-44	2.5	32
215	3D Contrast MR Angiography 1997 ,		32
214	Quantitative susceptibility mapping (QSM) minimizes interference from cellular pathology in R2* estimation of liver iron concentration. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1069-1079	5.6	31
213	Perforator flap magnetic resonance angiography for reconstructive breast surgery: a review of 25 deep inferior epigastric and gluteal perforator artery flap patients. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 1176-84	5.6	31
212	3D Contrast MR Angiography 1999 ,		31
211	Improved hepatic arterial phase MRI with 3-second temporal resolution. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 1129-36	5.6	29

210	The creation of an infrarenal aneurysm within the native abdominal aorta of swine. <i>Surgery</i> , 2007 , 142, 143-9	3.6	29
209	Diagnostic accuracy of time-resolved 2D projection MR angiography for symptomatic infrapopliteal arterial occlusive disease. <i>American Journal of Roentgenology</i> , 2005 , 184, 938-47	5.4	29
208	The association between cardiovascular risk and cardiovascular magnetic resonance measures of fibrosis: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 15	6.9	28
207	Pancreatic Cysts in Autosomal Dominant Polycystic Kidney Disease: Prevalence and Association with PKD2 Gene Mutations. <i>Radiology</i> , 2016 , 280, 762-70	20.5	28
206	Three-dimensional cine imaging using variable-density spiral trajectories and SSFP with application to coronary artery angiography. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 535-43	4.4	27
205	MRI and CT contrast media extravasation: A systematic review. <i>Medicine (United States)</i> , 2018 , 97, e00551.8	1.8	26
204	Cardiac fat navigator-gated steady-state free precession 3D magnetic resonance angiography of coronary arteries. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 210-5	4.4	26
203	Guidelines for training in Cardiovascular Magnetic Resonance (CMR). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 3-4	6.9	26
202	High temporal and spatial resolution 4D MRA using spiral data sampling and sliding window reconstruction. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 14-8	4.4	26
201	Pulmonary magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 326-38	5.6	26
200	RENAL MR ANGIOGRAPHY. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1998 , 6, 351-370	1.6	26
199	Direct coronary motion extraction from a 2D fat image navigator for prospectively gated coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 599-607	4.4	25
198	Z intensity-weighted position self-respiratory gating method for free-breathing 3D cardiac CINE imaging. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 861-8	3.3	25
197	Rapid and accurate left ventricular chamber quantification using a novel CMR segmentation algorithm: a clinical validation study. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 845-53	5.6	25
196	Treatment of type II endoleaks with a novel polyurethane thrombogenic foam: induction of endoleak thrombosis and elimination of intra-aneurysmal pressure in the canine model. <i>Journal of Vascular Surgery</i> , 2005 , 42, 321-8	3.5	25
195	Soft tissue enhancement on time-resolved peripheral magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 590-7	5.6	25
194	Rapid serum carotene loading with high-dose beta-carotene: clinical implications. <i>Journal of Cardiovascular Pharmacology</i> , 1991 , 17, 343-7	3.1	25
193	Abdominal aortic aneurysm. Detection of multilevel vascular pathology by time-resolved multiphase 3D gadolinium MR angiography: initial report. <i>Investigative Radiology</i> , 1999 , 34, 648-59	10.1	25

192	Safety of gadobutrol in over 23,000 patients: the GARDIAN study, a global multicentre, prospective, non-interventional study. <i>European Radiology</i> , 2017 , 27, 286-295	8	24
191	Cross-sectional imaging anatomy of the anal sphincters. <i>Obstetrics and Gynecology</i> , 1997 , 90, 839-44	4.9	24
190	Superficial femoral artery occlusive disease severity correlates with MR cine phase-contrast flow measurements. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 355-60	5.6	23
189	Dentate Nucleus Signal Intensity Decrease on T1-weighted MR Images after Switching from Gadopentetate Dimeglumine to Gadobutrol. <i>Radiology</i> , 2018 , 287, 816-823	20.5	22
188	Quantification of cerebral perfusion using dynamic quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1540-8	4.4	22
187	Contemporary applications and limitations of magnetic resonance imaging contrast materials. <i>Journal of Urology</i> , 2010 , 183, 27-33	2.5	22
186	Magnetic resonance angiographic techniques for the diagnosis of arterial disease. <i>Cardiology Clinics</i> , 2002 , 20, 501-12, v	2.5	22
185	Doppler US gating of cardiac MR imaging. <i>Academic Radiology</i> , 2000 , 7, 1116-22	4.3	22
184	Diagnosis of pulmonary embolism: comparison of CT angiography and MR angiography in canines. <i>Journal of Vascular and Interventional Radiology</i> , 1999 , 10, 309-18	2.4	22
183	MR angiography in the preoperative evaluation of abdominal aortic aneurysms: a preliminary study. <i>Journal of Vascular and Interventional Radiology</i> , 1994 , 5, 489-96	2.4	22
182	Effect of pulse duration on selective ablation of atherosclerotic plaque by 480- to 490-nanometer laser radiation. <i>Lasers in Surgery and Medicine</i> , 1988 , 8, 18-21	3.6	22
181	Selective laser ablation of venous thrombus: implications for a new approach in the treatment of pulmonary embolus. <i>Lasers in Surgery and Medicine</i> , 1988 , 8, 486-93	3.6	22
180	Left ventricle segmentation using graph searching on intensity and gradient and a priori knowledge (lvGIGA) for short-axis cardiac magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 1393-401	5.6	21
179	Can diffusion-weighted imaging serve as a biomarker of fibrosis in pancreatic adenocarcinoma?. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 393-402	5.6	20
178	Changes in hepatic venous morphology with cirrhosis on MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1085-92	5.6	20
177	Peripheral MR angiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006 , 8, 517-28	6.9	20
176	Three-dimensional MR angiography in imaging platinum alloy stents. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 975-80	5.6	20
175	Atherosclerotic disease distribution in carotid and vertebrobasilar arteries: clinical experience in 100 patients undergoing fluoro-triggered 3D Gd-MRA. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 545-58	5.6	20

174	Anatomic imaging of gluteal perforator flaps without ionizing radiation: seeing is believing with magnetic resonance angiography. <i>Journal of Reconstructive Microsurgery</i> , 2010 , 26, 45-57	2.5	19
173	Flip angle profile correction for T ₁ and T ₂ quantification with look-locker inversion recovery 2D steady-state free precession imaging. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 1579-85	4.4	18
172	Gadobutrol for contrast-enhanced magnetic resonance imaging in elderly patients: review of the safety profile from clinical trial, post-marketing surveillance, and pharmacovigilance data. <i>Clinical Radiology</i> , 2015 , 70, 743-51	2.9	16
171	Left ventricle: fully automated segmentation based on spatiotemporal continuity and myocardium information in cine cardiac magnetic resonance imaging (LV-FAST). <i>BioMed Research International</i> , 2015 , 2015, 367583	3	16
170	Magnetic resonance angiography: a review. <i>Academic Radiology</i> , 1998 , 5, 289-305	4.3	16
169	A canine model to study the significance and hemodynamics of type II endoleaks. <i>Journal of Surgical Research</i> , 2005 , 123, 275-83	2.5	16
168	Applications of magnetic resonance imaging and magnetic resonance angiography to evaluate the hepatic vasculature in the pediatric patient. <i>Pediatric Radiology</i> , 1999 , 29, 238-43	2.8	16
167	Reduced long axis strain is associated with heart failure and cardiovascular events in the multi-ethnic study of Atherosclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 178-85	5.6	16
166	Breast Tissue Expanders with Magnetic Ports: Clinical Experience at 1.5 T. <i>Plastic and Reconstructive Surgery</i> , 2016 , 138, 1171-1178	2.7	15
165	Seminal megavesicle in autosomal dominant polycystic kidney disease. <i>Clinical Imaging</i> , 2015 , 39, 289-92	2.7	15
164	Free-breathing 3-dimensional steady-state free precession coronary magnetic resonance angiography: comparison of four navigator gating techniques. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 807-14	3.3	15
163	In vivo quantification of femoral-popliteal compression during isometric thigh contraction: Assessment using MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1116-24	5.6	14
162	Detection of perivenous inflammation in a rat model of venous thrombosis using MRV. <i>Journal of Investigative Surgery</i> , 1999 , 12, 151-6	1.2	14
161	Gadolinium-enhanced magnetic resonance venography of the portal venous system prior to transjugular intrahepatic portosystemic shunts and liver transplantation. Original investigation. <i>Investigative Radiology</i> , 1998 , 33, 644-52	10.1	14
160	Rapid automated liver quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 725-732	5.6	14
159	Reduction of reconstruction time for time-resolved spiral 3D contrast-enhanced magnetic resonance angiography using parallel computing. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 704-8	4.4	13
158	Characterization of retrograde collateral (type II) endoleak using a new canine model. <i>Journal of Vascular Surgery</i> , 2004 , 40, 985-94	3.5	13
157	Autologous breast reconstruction: preoperative magnetic resonance angiography for perforator flap vessel mapping. <i>Journal of Reconstructive Microsurgery</i> , 2015 , 31, 1-11	2.5	12

156	Gadofosveset trisodium-enhanced abdominal perforator MRA. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 711-6	5.6	12
155	Free-breathing 3D steady-state free precession coronary magnetic resonance angiography: comparison of diaphragm and cardiac fat navigators. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 509-14	5.6	12
154	Beta carotene uptake into atherosclerotic plaque: enhanced staining and preferential ablation with the pulsed dye laser. <i>Lasers in Surgery and Medicine</i> , 1993 , 13, 149-57	3.6	12
153	Preoperative cross-sectional mapping for deep inferior epigastric and profunda artery perforator flaps. <i>Cardiovascular Diagnosis and Therapy</i> , 2019 , 9, S131-S142	2.6	11
152	Chronic pulmonary embolism: combining MR angiography with functional assessment. <i>Radiology</i> , 2004 , 232, 325-6	20.5	11
151	Self-gated free-breathing 3D coronary CINE imaging with simultaneous water and fat visualization. <i>PLoS ONE</i> , 2014 , 9, e89315	3.7	11
150	Effect of blood flow on double inversion recovery vessel wall MRI of the peripheral arteries: quantitation with T2 mapping and comparison with flow-insensitive T2-prepared inversion recovery imaging. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 736-44	4.4	10
149	Breath-hold 3D steady-state free precession coronary MRA compared with conventional X-ray coronary angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 669-73	5.6	10
148	Reproducibility and Changes in Vena Caval Blood Flow by Using 4D Flow MRI in Pulmonary Emphysema and Chronic Obstructive Pulmonary Disease (COPD): The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Substudy. <i>Radiology</i> , 2019 , 292, 585-594	20.5	9
147	Post-CABG coronary CT angiography: radiation dose and graft image quality in retrospective versus prospective ECG gating. <i>Academic Radiology</i> , 2010 , 17, 1122-7	4.3	9
146	Features of nephrogenic systemic fibrosis on radiology examinations. <i>American Journal of Roentgenology</i> , 2009 , 193, 61-9	5.4	9
145	More on pseudohypocalcemia and gadolinium-enhanced MRI. <i>New England Journal of Medicine</i> , 2004 , 350, 87-8; author reply 87-8	59.2	9
144	Cross-sectional pattern of collateral vessels in patients with superficial femoral artery occlusion. <i>Investigative Radiology</i> , 2001 , 36, 422-9	10.1	9
143	MRA contrast bolus timing with ultrasound bubbles. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 389-94	5.6	9
142	Effect of blood upon the selective ablation of atherosclerotic plaque with a pulsed dye laser. <i>Lasers in Surgery and Medicine</i> , 1990 , 10, 533-43	3.6	9
141	Preventing Allergic Reactions to Gadolinium-Based Contrast Agents. <i>Topics in Magnetic Resonance Imaging</i> , 2016 , 25, 275-279	2.3	9
140	Multivariate analysis of CT imaging, laboratory, and demographical features for prediction of acute kidney injury in COVID-19 patients: a Bi-centric analysis. <i>Abdominal Radiology</i> , 2021 , 46, 1651-1658	3	9
139	Pulmonary hyperinflation due to gas trapping and pulmonary artery size: The MESA COPD Study. <i>PLoS ONE</i> , 2017 , 12, e0176812	3.7	8

138	Computerized tomographic and magnetic resonance angiography for perforator-based free flaps: technical considerations. <i>Clinics in Plastic Surgery</i> , 2011 , 38, 219-28	3	8
137	Anatomically tailored k-Space sampling for bolus-chase three-dimensional MR digital subtraction angiography. <i>Radiology</i> , 2001 , 218, 899-904	20.5	8
136	Magnetic resonance imaging of the aorta and branch vessels. <i>Coronary Artery Disease</i> , 1999 , 10, 141-9	1.4	8
135	How accurate is MOLLI T1 mapping in vivo? Validation by spin echo methods. <i>PLoS ONE</i> , 2014 , 9, e107323	3.7	8
134	Pulmonary Embolism in Hospitalized Patients with COVID-19: A Multicenter Study. <i>Radiology</i> , 2021 , 301, E426-E433	20.5	8
133	Automating Perforator Flap MRA and CTA Reporting. <i>Journal of Digital Imaging</i> , 2017 , 30, 350-357	5.3	7
132	Effect of MRI on breast tissue expanders and recommendations for safe use. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017 , 70, 1702-1707	1.7	7
131	Pelvic cardiovascular magnetic resonance venography: venous changes with patient position and hydration status. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 3	6.9	7
130	Comparison of MRI segmentation techniques for measuring liver cyst volumes in autosomal dominant polycystic kidney disease. <i>Clinical Imaging</i> , 2018 , 47, 41-46	2.7	7
129	A radial self-calibrated (RASCAL) generalized autocalibrating partially parallel acquisition (GRAPPA) method using weight interpolation. <i>NMR in Biomedicine</i> , 2011 , 24, 844-54	4.4	7
128	MR angiography after renal revascularization: spectrum of expected anatomic results and postintervention complications. <i>Radiographics</i> , 1999 , 19, 1555-68	5.4	7
127	PULMONARY MR ANGIOGRAPHY. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1999 , 7, 393-409	1.6	7
126	Deep semantic lung segmentation for tracking potential pulmonary perfusion biomarkers in chronic obstructive pulmonary disease (COPD): The multi-ethnic study of atherosclerosis COPD study. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 571-579	5.6	7
125	Free-Breathing 3D Imaging of Right Ventricular Structure and Function Using Respiratory and Cardiac Self-Gated Cine MRI. <i>BioMed Research International</i> , 2015 , 2015, 819102	3	6
124	Contrast-enhanced magnetic resonance angiography. <i>Clinics in Plastic Surgery</i> , 2011 , 38, 263-75	3	6
123	Noninvasive imaging of living kidney donors. <i>Transplantation</i> , 2008 , 86, 1168-9	1.8	6
122	Contrast-enhanced magnetic resonance angiography with biodegradable (Gd-DTPA)-cystamine copolymers: comparison with MS-325 in a swine model. <i>Molecular Pharmaceutics</i> , 2006 , 3, 558-65	5.6	6
121	Simultaneous multiple volume (SMV) acquisition: algorithm for real-time navigator gating. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 969-75	3.3	6

120	Postprocessing techniques for time-resolved contrast-enhanced MR angiography. <i>Radiology</i> , 2002 , 222, 564-8	20.5	6
119	Brain Iron Distribution after Multiple Doses of Ultra-small Superparamagnetic Iron Oxide Particles in Rats. <i>Comparative Medicine</i> , 2018 , 68, 139-147	1.6	6
118	Portal venous magnetic resonance angiography. A review. <i>Investigative Radiology</i> , 1998 , 33, 628-36	10.1	6
117	Renal anatomic changes on magnetic resonance imaging and gadolinium-enhanced magnetic resonance angiography after renal revascularization. Original investigation. <i>Investigative Radiology</i> , 1998 , 33, 660-9	10.1	6
116	The role of cardiac magnetic resonance imaging in antiphospholipid syndrome. <i>Journal of Rheumatology</i> , 2002 , 29, 2658-9	4.1	6
115	Serial cardiac MRIs in adult Fontan patients detect progressive hepatic enlargement and congestion. <i>Congenital Heart Disease</i> , 2017 , 12, 153-158	3.1	5
114	Patient-Level, Institutional, and Temporal Variations in Use of Imaging Modalities to Confirm Pulmonary Embolism. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e010651	3.9	5
113	Notice of Withdrawal: MR Imaging and Gadolinium: Reassessing the Risk of Nephrogenic Systemic Fibrosis in Patients with Severe Renal Disease. <i>Radiology</i> , 2018 , 286, 120-121	20.5	5
112	Cisterna chyli in autosomal dominant polycystic kidney disease. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 142-8	5.6	5
111	Nephrogenic systemic fibrosis risk and liver disease. <i>International Journal of Nephrology</i> , 2014 , 2014, 679605	1.7	5
110	Images in vascular medicine. An unusual case of claudication. <i>Vascular Medicine</i> , 2002 , 7, 55	3.3	5
109	Free breathing three-dimensional cardiac quantitative susceptibility mapping for differential cardiac chamber blood oxygenation - initial validation in patients with cardiovascular disease inclusive of direct comparison to invasive catheterization. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 70	6.9	5
108	Vastly accelerated linear least-squares fitting with numerical optimization for dual-input delay-compensated quantitative liver perfusion mapping. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2413-2421 ⁴	4.4	4
107	An evaluation of the sensitivity of MRI at detecting hepatocellular carcinoma in cirrhotic patients utilizing an explant reference standard. <i>Clinical Imaging</i> , 2014 , 38, 693-7	2.7	4
106	Patch based reconstruction of undersampled data (PROUD) for high signal-to-noise ratio and high frame rate contrast enhanced liver imaging. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 1587-97	4.4	4
105	Automatic selection of mask and arterial phase images for temporally resolved MR digital subtraction angiography. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 1004-10	4.4	4
104	Cutaneous nodules, pain, and thrombophlebitis as an adverse reaction to gadolinium contrast media. <i>American Journal of Roentgenology</i> , 1997 , 169, 318-9	5.4	4
103	Aortic enlargement in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. <i>International Journal of Cardiology</i> , 2021 , 331, 214-220	3.2	4

102	MRI in autosomal dominant polycystic kidney disease. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 41-51	5.6	4
101	Sliding motion compensated low-rank plus sparse (SMC-LS) reconstruction for high spatiotemporal free-breathing liver 4D DCE-MRI. <i>Magnetic Resonance Imaging</i> , 2019 , 58, 56-66	3.3	4
100	Quantitative transport mapping (QTM) of the kidney with an approximate microvascular network. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2247-2262	4.4	4
99	Evaluation of diffusion kurtosis imaging in stratification of nonalcoholic fatty liver disease and early diagnosis of nonalcoholic steatohepatitis in a rabbit model. <i>Magnetic Resonance Imaging</i> , 2019 , 63, 267-273	2.3	3
98	Reducing Interruptions in the Reading Room: Standardized CT/MRI Contrast Orders. <i>Journal of the American College of Radiology</i> , 2015 , 12, 1196-9	3.5	3
97	Morphine three-dimensional T1 gadoxetate MR cholangiography of potential living related liver donors. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 584-9	5.6	3
96	Complex liver cysts in Autosomal Dominant Polycystic Kidney Disease. <i>Clinical Imaging</i> , 2017 , 46, 98-101	2.7	3
95	Three-dimensional flow-independent balanced steady-state free precession vessel wall MRI of the popliteal artery: preliminary experience and comparison with flow-dependent black-blood techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 696-701	5.6	3
94	Design of a birdcage array for lower extremity angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 589-97	5.6	3
93	Automatic algorithm for correcting motion artifacts in time-resolved two-dimensional magnetic resonance angiography using convex projections. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 649-58	4.4	3
92	Is there replacement for percentage stenosis in characterizing occlusive vascular disease?. <i>Radiology</i> , 2007 , 245, 617-8	20.5	3
91	Renal MR Angiography. <i>Seminars in Interventional Radiology</i> , 1998 , 15, 163-178	1.6	3
90	A simple MR-compatible infusion pump. <i>Magnetic Resonance Imaging</i> , 1996 , 14, 121-8	3.3	3
89	Ependymoma of the fourth ventricle. <i>American Journal of Roentgenology</i> , 1991 , 157, 1278	5.4	3
88	Seminal Vesicles in Autosomal Dominant Polycystic Kidney Disease	4.43	3
87	Hiatal hernia prevalence and natural history on non-contrast CT in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>BMJ Open Gastroenterology</i> , 2021 , 8,	3.9	3
86	Deep neural network for water/fat separation: Supervised training, unsupervised training, and no training. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2263-2277	4.4	3
85	Immediate reaction to gadolinium based contrast agent with fatal outcome. <i>Radiology Case Reports</i> , 2018 , 13, 1091-1092	1	3

84	Additive value of non-contrast MRA in the preoperative evaluation of potential liver donors. <i>Clinical Imaging</i> , 2017 , 41, 132-136	2.7	2
83	Ghosts in the Machine: Quality Control 166-182		2
82	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Current Cardiovascular Imaging Reports</i> , 2015 , 8, 1	0.7	2
81	Gadofosveset trisodium-enhanced MR angiography for detection of lower gastrointestinal bleeding. <i>Clinical Imaging</i> , 2015 , 39, 1052-5	2.7	2
80	Cardiac structural changes after transcatheter aortic valve replacement: systematic review and meta-analysis of cardiovascular magnetic resonance studies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 41	6.9	2
79	Quantitative evaluation of gadoxetate hepatocyte phase homogeneity: potential imaging markers for detection of early cirrhosis. <i>Clinical Imaging</i> , 2016 , 40, 979-86	2.7	2
78	Impact of epoetin alfa on left ventricular structure, function, and pressure volume relations as assessed by cardiac magnetic resonance: the heart failure preserved ejection fraction (HFPEF) anemia trial. <i>Congestive Heart Failure</i> , 2013 , 19, 172-9		2
77	Reconstruction of highly under-sampled dynamic MRI using sparse representation of 1D temporal snippets 2015 ,		2
76	Clinical demand for chest/abdomen/pelvis anatomy following thoracic or lumbar spine CT. <i>Emergency Radiology</i> , 2012 , 19, 211-5	3	2
75	Body magnetic resonance angiography. <i>Seminars in Roentgenology</i> , 2009 , 44, 84-98	0.8	2
74	Motion artifact suppression in breath hold 3D contrast enhanced magnetic resonance angiography using ECG ordering. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 739-42		2
73	Emerging functional MR angiographic techniques. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2005 , 13, 181-8, vii	1.6	2
72	Detection of and Somatic Variants in Autosomal Dominant Polycystic Kidney Cyst Epithelial Cells by Whole-Genome Sequencing. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 ,	12.7	2
71	Renal Arteries 1999 , 89-105		2
70	Enhancing the carotenoid content of atherosclerotic plaque: implications for laser therapy. <i>Journal of Vascular Surgery</i> , 1989 , 9, 563-7	3.5	2
69	Simultaneous hepatic iron and fat quantification with dual-energy CT in a rabbit model of coexisting iron and fat. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 2001-2012	3.6	2
68	Relationship of Seminal Megavesicles, Prostate Median Cysts, and Genotype in Autosomal Dominant Polycystic Kidney Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 894-903	5.6	2
67	Utilization of radiomics to predict long-term outcome of magnetic resonance-guided focused ultrasound ablation therapy in adenomyosis. <i>European Radiology</i> , 2021 , 31, 392-402	8	2

66	Integrated quantitative susceptibility and R * mapping for evaluation of liver fibrosis: An ex vivo feasibility study. <i>NMR in Biomedicine</i> , 2021 , 34, e4412	4.4	2
65	Technical Aspect of Contrast-Enhanced MRA 2012 , 65-73		2
64	The Parallel Universe: Parallel Imaging and Novel Acquisition Techniques 225-250		1
63	Patents on Quantitative Susceptibility Mapping (QSM) of Tissue Magnetism. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 90-113	2.2	1
62	Comparing mono-exponential, bi-exponential, and stretched-exponential diffusion-weighted MR imaging for stratifying non-alcoholic fatty liver disease in a rabbit model. <i>European Radiology</i> , 2020 , 30, 6022-6032	8	1
61	Potential role of lipoic acid as a chelator in prevention and treatment of gadolinium brain retention. <i>Medical Hypotheses</i> , 2018 , 114, 29	3.8	1
60	Plastic surgeons' opinions and practices regarding compatibility of MRI and breast tissue expanders. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018 , 71, 1123-1128	1.7	1
59	Science to practice: a new insight into nephrotoxicity after contrast medium administration. <i>Radiology</i> , 2012 , 265, 651-3	20.5	1
58	Rapid automated quantification of left ventricular ejection fraction with LV-METRIC \square novel segmentation algorithm. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	1
57	Quantitative transport mapping (QTM) for differentiating benign and malignant breast lesion: Comparison with traditional kinetics modeling and semi-quantitative enhancement curve characteristics. <i>Magnetic Resonance Imaging</i> , 2021 , 86, 86-93	3.3	1
56	Contrast-enhanced magnetic resonance angiography 2004 , 277-311		1
55	Pulmonary MRA 1999 , 41-52		1
54	Ferumoxitol-enhanced vascular suppression in magnetic resonance neurography. <i>Skeletal Radiology</i> , 2021 , 50, 2255-2266	2.7	1
53	MR Angiography of the Prostate Arteries: Benefit prior to Prostate Embolization. <i>Radiology</i> , 2019 , 291, 379-380	20.5	1
52	Re: Risk scoring system with MRI for intraoperative massive hemorrhage in placenta previa and accreta. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 959-960	5.6	1
51	Dipole modeling of multispectral signal for detecting metallic biopsy markers during MRI-guided breast biopsy: a pilot study. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 1380-1389	4.4	1
50	Prevalence of Inferior Vena Cava Compression in ADPKD. <i>Kidney International Reports</i> , 2021 , 6, 168-178	4.1	1
49	Bladder diverticuli following injection of onabotulinum toxin A in a patient with multiple sclerosis and autosomal dominant polycystic kidney disease. <i>Radiology Case Reports</i> , 2018 , 13, 1021-1024	1	1

48	Pulmonary magnetic resonance angiography 1999 , 10, 326		1
47	Diagnostic usefulness of 3 dimensional gadolinium enhanced magnetic resonance venography in antiphospholipid syndrome. <i>Journal of Rheumatology</i> , 2002 , 29, 1338-9	4.1	1
46	Getting in Tune: Resonance and Relaxation124-143		0
45	Response to: Safety risks with gadolinium-based contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 817-817	5.6	0
44	Multiprocessor scheduling implementation of the simultaneous multiple volume (SMV) navigator method. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 362-7	4.4	0
43	The appearance of magnetic susceptibility objects in SWI phase depends on object size: Comparison with QSM and CT. <i>Clinical Imaging</i> , 2021 , 82, 67-72	2.7	0
42	Trimetazidine reduces contrast-induced nephropathy in patients with renal insufficiency undergoing coronary angiography and angioplasty: A systematic review and meta-analysis (PRISMA). <i>Medicine (United States)</i> , 2021 , 100, e24603	1.8	0
41	Hemorrhagic Cysts and Other MR Biomarkers for Predicting Renal Dysfunction Progression in Autosomal Dominant Polycystic Kidney Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 564-576	5.6	0
40	Predictors of acute deep venous thrombosis in patients hospitalized for COVID-19. <i>Medicine (United States)</i> , 2021 , 100, e27216	1.8	0
39	Machine Learning Based Prediction Model for Closed-Loop Small Bowel Obstruction Using Computed Tomography and Clinical Findings.. <i>Journal of Computer Assisted Tomography</i> , 2022 , 46, 169-174	2.2	0
38	Deployed Deep Learning Kidney Segmentation for Polycystic Kidney Disease MRI.. <i>Radiology: Artificial Intelligence</i> , 2022 , 4, e210205	8.7	0
37	MR: What's the Attraction?1-8		
36	Early Daze: Your First Week in MR11-25		
35	Seeing is Believing: Introduction to Image Contrast26-40		
34	Lost in the Pulse Sequence Jungle?41-54		
33	The Devil's in the Detail: Pixels, Matrices and Slices55-66		
32	Improving Your Image: How to Avoid Artefacts81-101		
31	Spaced Out: Spatial Encoding102-123		

30 Let's Talk Technical: MR Equipment 144-165

29 Acronyms Anonymous I: Spin Echo 185-206

28 Acronyms Anonymous II: Gradient Echo 207-224

27 Go with the Flow: MR Angiography 251-268

26 A Heart to Heart Discussion: Cardiac MRI 269-287

25 It's Not Just Squiggles: In Vivo Spectroscopy 288-302

24 To BOLDly Go: fMRI, Perfusion and Diffusion 303-325

23 Making it Count: Quantitative MRI 326-344

22 But is it Safe? Bio-effects 345-357

21 Where Are We Going Now? 358-364

20 Appendix: maths revision 365-368

19 What You Set is What You Get: Basic Image Optimization 67-80

18 Nonlinear profile order for three-dimensional hybrid radial acquisition applied to self-gated free-breathing cardiac cine MRI. *Chinese Physics B*, **2017**, 26, 018701 1.2

17 Gadolinium Based Contrast Agents and NSF. *Current Rheumatology Reviews*, **2010**, 6, 189-192 1.6

16 MR Angiography of the Renal Arteries **2005**, 209-229

15 Abdominal and Renal MR Angiography A Comprehensive Approach. *Journal of Vascular and Interventional Radiology*, **1998**, 9, 240-243 2.4

14 Cardiovascular MR angiography. *International Journal of Cardiovascular Imaging*, **1999**, 15, 115-6

13 Renal MR Angiography. *Journal of Vascular and Interventional Radiology*, **1999**, 10, 340-361 2.4

- 12 IRIS-Intelligent Rapid Interactive Segmentation for Measuring Liver Cyst Volumes in Autosomal Dominant Polycystic Kidney Disease.. *Tomography*, **2022**, 8, 447-456 3.1
- 11 Contrast Agents for Cardiovascular MRI **2008**, 237-254
- 10 Mesenteric Arteries **1997**, 69-74
- 9 Mesenteric Arteries **1999**, 107-122
- 8 Abdominal Aorta **1999**, 71-88
- 7 Utility of dynamic MRA in the evaluation of male erectile dysfunction. *Abdominal Radiology*, **2020**, 45, 1990-2000 3
- 6 Multispectral Imaging for Metallic Biopsy Marker Detection During MRI-Guided Breast Biopsy: A Feasibility Study for Clinical Translation. *Frontiers in Oncology*, **2021**, 11, 605014 5.3
- 5 Imaging for Diagnosis and Monitoring of Cardiac Sarcoidosis. *International Journal of Cardiovascular Practice*, **2018**, 3, 21-24 0
- 4 Reply to "the impact of mechanical properties on aortic dilation in patients with COPD and emphysema". *International Journal of Cardiology*, **2021**, 334, 125 3.2
- 3 Improved venous suppression on renal MR angiography with recessed elliptical centric ordering of K-space. *Journal of X-Ray Science and Technology*, **2003**, 11, 141-7 2.1
- 2 Predictors of biliary intervention in patients hospitalized for COVID-19.. *Abdominal Radiology*, **2022**, 47, 1891 3
- 1 MR Angiography Series: Abdominal and Pelvic MR Angiography.. *Radiographics*, **2022**, 210224 5.4