

Rolf Wilhelm Gnther

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377
papers

11,646
citations

54
h-index

80
g-index

432
ext. papers

12,867
ext. citations

5.7
avg, IF

5.6
L-index

#	Paper	IF	Citations
377	Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 2042-7	15.1	264
376	Automatic, three-segment, MR-based attenuation correction for whole-body PET/MR data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 138-52	8.8	261
375	In vivo magnetic resonance imaging of coronary thrombosis using a fibrin-binding molecular magnetic resonance contrast agent. <i>Circulation</i> , 2004 , 110, 1463-6	16.7	179
374	A new algorithm for metal artifact reduction in computed tomography: in vitro and in vivo evaluation after total hip replacement. <i>Investigative Radiology</i> , 2003 , 38, 769-75	10.1	172
373	Reduction of contrast material dose and artifacts by a saline flush using a double power injector in helical CT of the thorax. <i>American Journal of Roentgenology</i> , 2000 , 174, 1049-53	5.4	170
372	MR imaging of thrombi using EP-2104R, a fibrin-specific contrast agent: initial results in patients. <i>European Radiology</i> , 2008 , 18, 1995-2005	8	157
371	Multidetector CT of the spine in multiple myeloma: comparison with MR imaging and radiography. <i>American Journal of Roentgenology</i> , 2002 , 178, 1429-36	5.4	157
370	Magnetic resonance--guided coronary artery stent placement in a swine model. <i>Circulation</i> , 2002 , 105, 874-9	16.7	149
369	Molecular magnetic resonance imaging of atrial clots in a swine model. <i>Circulation</i> , 2005 , 112, 396-9	16.7	147
368	Association of aortic valve calcification severity with the degree of aortic regurgitation after transcatheter aortic valve implantation. <i>International Journal of Cardiology</i> , 2011 , 150, 142-5	3.2	145
367	Massive pulmonary embolism: percutaneous emergency treatment by pigtail rotation catheter. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 375-80	15.1	137
366	Molecular magnetic resonance imaging of coronary thrombosis and pulmonary emboli with a novel fibrin-targeted contrast agent. <i>Circulation</i> , 2005 , 111, 1377-82	16.7	129
365	Sixteen-slice spiral CT versus MR imaging for the assessment of left ventricular function in acute myocardial infarction. <i>European Radiology</i> , 2005 , 15, 714-20	8	120
364	Results of a multicenter study of the retrievable Tulip Vena Cava Filter: early clinical experience. <i>CardioVascular and Interventional Radiology</i> , 1997 , 20, 10-6	2.7	119
363	Image fusion in dual energy computed tomography: effect on contrast enhancement, signal-to-noise ratio and image quality in computed tomography angiography. <i>Investigative Radiology</i> , 2009 , 44, 1-6	10.1	106
362	Coronary artery stents in multislice computed tomography: in vitro artifact evaluation. <i>Investigative Radiology</i> , 2004 , 39, 27-33	10.1	104
361	Percutaneous treatment of thrombosed primary arteriovenous hemodialysis access fistulae. <i>Kidney International</i> , 2000 , 57, 1169-75	9.9	101

360	Small pulmonary nodules: effect of two computer-aided detection systems on radiologist performance. <i>Radiology</i> , 2006 , 241, 564-71	20.5	100
359	Catheter visualization using locally induced, actively controlled field inhomogeneities. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 253-8	4.4	96
358	Does positron emission tomography using 18-fluoro-2-deoxyglucose improve clinical staging of testicular cancer?--Results of a study in 50 patients. <i>Urology</i> , 1999 , 54, 900-4	1.6	96
357	Quantitative and qualitative assessment of left ventricular volume with ECG-gated multislice spiral CT: value of different image reconstruction algorithms in comparison to MRI. <i>Acta Radiologica</i> , 2003 , 44, 604-611	2	88
356	Dynamic multi-section CT imaging in acute myocardial infarction: preliminary animal experience. <i>European Radiology</i> , 2006 , 16, 746-52	8	87
355	Gd-DTPA-cascade-polymer: potential blood pool contrast agent for MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1994 , 4, 462-6	5.6	87
354	Fragmentation of massive pulmonary embolism using a pigtail rotation catheter. <i>Chest</i> , 1998 , 114, 1427-36	3.6	85
353	MR urography: examination techniques and clinical applications. <i>European Radiology</i> , 2001 , 11, 355-72	8	84
352	Magnetic resonance-guided placement of atrial septal closure device in animal model of patent foramen ovale. <i>Circulation</i> , 2002 , 106, 511-5	16.7	81
351	Stent placement in iliac arterial lesions: three years of clinical experience with the Wallstent. <i>CardioVascular and Interventional Radiology</i> , 1992 , 15, 285-90	2.7	78
350	Prevalence and clinical importance of aortic valve calcification detected incidentally on CT scans: comparison with echocardiography. <i>Radiology</i> , 2006 , 241, 76-82	20.5	74
349	Free-breathing 3D steady-state free precession coronary MR angiography with radial k-space sampling: comparison with cartesian k-space sampling and cartesian gradient-echo coronary MR angiography--pilot study. <i>Radiology</i> , 2004 , 231, 581-6	20.5	72
348	Assessment of global right ventricular function on 64-MDCT compared with MRI. <i>American Journal of Roentgenology</i> , 2008 , 190, 1358-61	5.4	70
347	Individually weight-adapted examination protocol in retrospectively ECG-gated MSCT of the heart. <i>European Radiology</i> , 2003 , 13, 2560-6	8	70
346	Imaging of interstitial cryotherapy--an in vitro comparison of ultrasound, computed tomography, and magnetic resonance imaging. <i>Cryobiology</i> , 1999 , 38, 250-9	2.7	70
345	Global left ventricular function in cardiac CT. Evaluation of an automated 3D region-growing segmentation algorithm. <i>European Radiology</i> , 2006 , 16, 1117-23	8	69
344	Posterior semicircular canal dehiscence: a morphologic cause of vertigo similar to superior semicircular canal dehiscence. <i>European Radiology</i> , 2003 , 13, 1444-50	8	69
343	Short- and long-term retrievability of the Celect vena cava filter: results from a multi-institutional registry. <i>Journal of Vascular and Interventional Radiology</i> , 2009 , 20, 1441-8	2.4	67

342	Magnetic resonance-guided cardiac interventions using magnetic resonance-compatible devices: a preclinical study and first-in-man congenital interventions. <i>Circulation: Cardiovascular Interventions</i> , 2010 , 3, 585-92	6	66
341	Radiation dose reduction to breast and thyroid during MDCT: effectiveness of an in-plane bismuth shield. <i>Acta Radiologica</i> , 2006 , 47, 562-7	2	66
340	Low tube voltage improves computed tomography imaging of delayed myocardial contrast enhancement in an experimental acute myocardial infarction model. <i>Investigative Radiology</i> , 2007 , 42, 123-9	10.1	66
339	Aneurysmal bone cyst: value of MR imaging and conventional radiography. <i>European Radiology</i> , 2003 , 13, 1118-24	8	65
338	MR urography today. <i>Abdominal Imaging</i> , 2003 , 28, 191-209		65
337	Accuracy of automated volumetry of pulmonary nodules across different multislice CT scanners. <i>European Radiology</i> , 2007 , 17, 1979-84	8	64
336	Long-term results 10 years after iliac arterial stent placement. <i>Radiology</i> , 2002 , 224, 731-8	20.5	64
335	Carotid plaque analysis: comparison of dual-source computed tomography (CT) findings and histopathological correlation. <i>European Journal of Vascular and Endovascular Surgery</i> , 2009 , 38, 14-9	2.3	62
334	Automated vs. manual assessment of left ventricular function in cardiac multidetector row computed tomography: comparison with magnetic resonance imaging. <i>European Radiology</i> , 2006 , 16, 1416-23	8	59
333	Free-breathing renal MR angiography with steady-state free-precession (SSFP) and slab-selective spin inversion: initial results. <i>Kidney International</i> , 2004 , 66, 1272-8	9.9	58
332	A feasibility study of contrast enhancement of acute myocardial infarction in multislice computed tomography: comparison with magnetic resonance imaging and gross morphology in pigs. <i>Investigative Radiology</i> , 2005 , 40, 700-4	10.1	58
331	Interventional magnetic resonance. Initial clinical experience with a 1.5-tesla magnetic resonance system combined with c-arm fluoroscopy. <i>Investigative Radiology</i> , 1997 , 32, 191-7	10.1	58
330	MR-guided radiofrequency ablation of hepatic malignancies at 1.5 T: initial results. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 342-8	5.6	57
329	Individually adapted examination protocols for reduction of radiation exposure in chest CT. <i>Investigative Radiology</i> , 2001 , 36, 604-11	10.1	57
328	Simulated flow pattern in massive pulmonary embolism: significance for selective intrapulmonary thrombolysis. <i>CardioVascular and Interventional Radiology</i> , 1998 , 21, 199-204	2.7	56
327	Gadopentetate-dimeglumine-enhanced MR imaging of osteonecrosis and osteochondritis dissecans of the elbow: initial experience. <i>Skeletal Radiology</i> , 1995 , 24, 17-20	2.7	56
326	Dose reduction during CT fluoroscopy: phantom study of angular beam modulation. <i>Radiology</i> , 2008 , 246, 519-25	20.5	55
325	Diagnostic accuracy of phase-inversion tissue harmonic imaging versus fundamental B-mode sonography in the evaluation of focal lesions of the kidney. <i>American Journal of Roentgenology</i> , 2003 , 180, 1639-47	5.4	55

324	Detection of coronary calcifications: feasibility of dose reduction with a body weight-adapted examination protocol. <i>American Journal of Roentgenology</i> , 2003 , 181, 533-8	5.4	54
323	Jugular versus subclavian totally implantable access ports: catheter position, complications and intrainterventional pain perception. <i>European Journal of Radiology</i> , 2011 , 79, 338-42	4.7	52
322	Semi-automated measurement of hyperdense, hypodense and heterogeneous hepatic metastasis on standard MDCT slices. Comparison of semi-automated and manual measurement of RECIST and WHO criteria. <i>European Radiology</i> , 2008 , 18, 2456-65	8	52
321	Multipolar radiofrequency ablation: first clinical results. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2004 , 176, 324-9	2.3	52
320	Measurement of cardiac output from a test-bolus injection in multislice computed tomography. <i>European Radiology</i> , 2003 , 13, 2498-504	8	52
319	Molecular magnetic resonance imaging of pulmonary emboli with a fibrin-specific contrast agent. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 494-500	10.2	52
318	Artifact-free coronary magnetic resonance angiography and coronary vessel wall imaging in the presence of a new, metallic, coronary magnetic resonance imaging stent. <i>Circulation</i> , 2005 , 111, 1019-26	16.7	52
317	Artifact-free in-stent lumen visualization by standard magnetic resonance angiography using a new metallic magnetic resonance imaging stent. <i>Circulation</i> , 2002 , 105, 1772-5	16.7	52
316	Association of fetuin-A levels with the progression of aortic valve calcification in non-dialyzed patients. <i>European Heart Journal</i> , 2009 , 30, 2054-61	9.5	50
315	Molecular magnetic resonance imaging of myocardial perfusion with EP-3600, a collagen-specific contrast agent: initial feasibility study in a swine model. <i>Circulation</i> , 2009 , 119, 1768-75	16.7	50
314	Imaging of the cardiac venous system: comparison of MDCT and conventional angiography. <i>American Journal of Roentgenology</i> , 2005 , 185, 1252-7	5.4	50
313	Molecular MR imaging of human thrombi in a swine model of pulmonary embolism using a fibrin-specific contrast agent. <i>Investigative Radiology</i> , 2007 , 42, 586-95	10.1	49
312	Radiofrequency ablation of osteoid osteoma: initial results with a bipolar ablation device. <i>Journal of Vascular and Interventional Radiology</i> , 2006 , 17, 1465-70	2.4	49
311	Acute myocardial infarction: assessment of left ventricular function with 16-detector row spiral CT versus MR imaging--study in pigs. <i>Radiology</i> , 2005 , 236, 112-7	20.5	49
310	MR-guided percutaneous cryotherapy of the liver: in vivo evaluation with histologic correlation in an animal model. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 50-6	5.6	49
309	Real-time MR Guidance for inferior vena cava filter placement in an animal model. <i>Journal of Vascular and Interventional Radiology</i> , 2001 , 12, 753-6	2.4	49
308	New retrievable percutaneous vena cava filter: experimental in vitro and in vivo evaluation. <i>CardioVascular and Interventional Radiology</i> , 1993 , 16, 224-9	2.7	49
307	Radiation dose reduction to the male gonads during MDCT: the effectiveness of a lead shield. <i>American Journal of Roentgenology</i> , 2005 , 184, 128-30	5.4	48

306	Dynamic contrast-enhanced MR imaging of the upper abdomen: enhancement properties of gadobutrol, gadolinium-DTPA-polylysine, and gadolinium-DTPA-cascade-polymer. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 622-8	4.4	48
305	Asbestos Surveillance Program Aachen (ASPA): initial results from baseline screening for lung cancer in asbestos-exposed high-risk individuals using low-dose multidetector-row CT. <i>European Radiology</i> , 2007 , 17, 1193-9	8	47
304	Computed tomography of the inner ear: size of anatomical structures in the normal temporal bone and in the temporal bone of patients with Menière disease. <i>European Radiology</i> , 2005 , 15, 1505-13	8	47
303	Assessment of myocardial function with interactive non-breath-hold real-time MR imaging: comparison with echocardiography and breath-hold Cine MR imaging. <i>Radiology</i> , 2004 , 231, 198-207	20.5	46
302	Radiofrequency ablation of renal tumors. <i>European Radiology</i> , 2004 , 14, 1449-55	8	46
301	Sharp central venous recanalization by means of a TIPS needle. <i>CardioVascular and Interventional Radiology</i> , 2005 , 28, 673-6	2.7	46
300	Interstitial T1-weighted MR lymphography: lipophilic perfluorinated gadolinium chelates in pigs. <i>Radiology</i> , 2001 , 220, 129-34	20.5	46
299	Multi-slice CT urography after diuretic injection: initial results. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2001 , 173, 176-80	2.3	46
298	Variation of the coronary calcium score depending on image reconstruction interval and scoring algorithm. <i>Investigative Radiology</i> , 2002 , 37, 496-502	10.1	46
297	Multislice computed tomography perfusion imaging for visualization of acute pulmonary embolism: animal experience. <i>European Radiology</i> , 2005 , 15, 1378-86	8	45
296	Coronary artery calcium scoring with multislice computed tomography: in vitro assessment of a low tube voltage protocol. <i>Investigative Radiology</i> , 2006 , 41, 668-73	10.1	44
295	Individually adapted examination protocols for reduction of radiation exposure for 16-MDCT chest examinations. <i>American Journal of Roentgenology</i> , 2005 , 184, 1437-43	5.4	44
294	MR-guided interstitial cryotherapy of the liver with a novel, nitrogen-cooled cryoprobe. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 354-60	4.4	43
293	Effect of varying slice thickness on coronary calcium scoring with multislice computed tomography in vitro and in vivo. <i>Investigative Radiology</i> , 2005 , 40, 695-9	10.1	43
292	Percutaneous radiofrequency ablation of renal cell carcinoma: preliminary results. <i>Acta Radiologica</i> , 2005 , 46, 208-14	2	43
291	Diagnosis of pulmonary arterial hypertension and pulmonary embolism with magnetic resonance angiography. <i>Chest</i> , 2001 , 120, 1556-61	5.3	43
290	Comparative in vitro study of two percutaneous hydrodynamic thrombectomy systems. <i>Journal of Vascular and Interventional Radiology</i> , 1996 , 7, 445-9	2.4	43
289	Which Iodine concentration in chest CT?--a prospective study in 300 patients. <i>European Radiology</i> , 2008 , 18, 2826-32	8	42

288	Use of a nonmetallic guide wire for magnetic resonance-guided coronary artery catheterization. <i>Investigative Radiology</i> , 2004 , 39, 656-60	10.1	42
287	MDCT detection of mitral valve calcification: prevalence and clinical relevance compared with echocardiography. <i>American Journal of Roentgenology</i> , 2007 , 188, 1264-9	5.4	41
286	Cardiac CT: coronary arteries and beyond. <i>European Radiology</i> , 2007 , 17, 994-1008	8	41
285	Computer-aided detection of pulmonary embolism: influence on radiologists' detection performance with respect to vessel segments. <i>European Radiology</i> , 2008 , 18, 1350-5	8	41
284	MR-based attenuation correction for a whole-body sequential PET/MR system 2009 ,		40
283	Neointimal hyperplasia in low-profile Nitinol stents, Palmaz stents, and Wallstents: a comparative experimental study. <i>CardioVascular and Interventional Radiology</i> , 1996 , 19, 248-54	2.7	40
282	Diuretic-enhanced gadolinium excretory MR urography: comparison of conventional gradient-echo sequences and echo-planar imaging. <i>European Radiology</i> , 2001 , 11, 18-27	8	39
281	Comparison of conventional time-intensity curves vs. maximum intensity over time for post-processing of dynamic contrast-enhanced ultrasound. <i>European Journal of Radiology</i> , 2010 , 75, e149-53	4.7	38
280	Cardiac amyloidosis: MR imaging findings and T1 quantification, comparison with control subjects. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1283-7	5.6	38
279	64-slice computed tomography assessment of coronary artery stents: a phantom study. <i>Acta Radiologica</i> , 2006 , 47, 36-42	2	38
278	Cine MR imaging of heart valve dysfunction with segmented true fast imaging with steady state free precession. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 59-67	5.6	38
277	Localization of small islet-cell tumors. Preoperative and intraoperative ultrasound, computed tomography, arteriography, digital subtraction angiography, and pancreatic venous sampling. <i>Gastrointestinal Radiology</i> , 1985 , 10, 145-52		38
276	Electromagnetic tracking for CT-guided spine interventions: phantom, ex-vivo and in-vivo results. <i>European Radiology</i> , 2009 , 19, 990-4	8	36
275	Pulmonary embolism: comparison of angiography with spiral computed tomography, magnetic resonance angiography, and real-time magnetic resonance imaging. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 167, 729-34	10.2	36
274	Feasibility of pulmonary ventilation visualization with aerosolized magnetic resonance contrast media. <i>Investigative Radiology</i> , 2005 , 40, 85-8	10.1	36
273	Percutaneous retrieval of the Tulip vena cava filter: feasibility, short- and long-term changes--an experimental study in dogs. <i>CardioVascular and Interventional Radiology</i> , 2001 , 24, 418-23	2.7	36
272	MRI of degenerative bone marrow lesions in experimental osteoarthritis of canine knee joints. <i>Skeletal Radiology</i> , 1996 , 25, 413-20	2.7	36
271	Computed tomography characterization of renal cell tumors in correlation with histopathology. <i>Investigative Radiology</i> , 1997 , 32, 596-601	10.1	36

270	Biologic response to polymer-coated stents: in vitro analysis and results in an iliac artery sheep model. <i>Radiology</i> , 2004 , 230, 151-62	20.5	35
269	Multi-slice CT for visualization of pulmonary embolism using perfusion weighted color maps. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2001 , 173, 289-94	2.3	35
268	A concept for magnetic resonance visualization of surgical textile implants. <i>Investigative Radiology</i> , 2010 , 45, 477-83	10.1	34
267	A simple trick to facilitate bleeding control after percutaneous hemodialysis fistula and graft interventions. <i>CardioVascular and Interventional Radiology</i> , 1997 , 20, 159-60	2.7	34
266	Visualization of MR-compatible catheters by electrically induced local field inhomogeneities: evaluation in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 1998 , 8, 209-13	5.6	34
265	Estimation of radiation exposure in low-dose multislice computed tomography of the heart and comparison with a calculation program. <i>European Radiology</i> , 2006 , 16, 1841-6	8	34
264	CT imaging in acute pulmonary embolism: diagnostic strategies. <i>European Radiology</i> , 2005 , 15, 919-29	8	34
263	Use of a cutting balloon for dilatation of a resistant venous stenosis of a hemodialysis fistula. <i>CardioVascular and Interventional Radiology</i> , 1995 , 18, 62-4	2.7	34
262	Intraindividual comparison of contrast media concentrations for combined abdominal and thoracic MDCT. <i>American Journal of Roentgenology</i> , 2008 , 191, 145-50	5.4	33
261	A multihormonal response to corticotropin-releasing hormone in inferior petrosal sinus blood of patients with Cushing's disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1990 , 71, 1195-201	5.6	33
260	Intra-individual comparison of different contrast media concentrations (300 mg, 370 mg and 400 mg iodine) in MDCT. <i>European Radiology</i> , 2010 , 20, 1644-50	8	32
259	Automated volumetry of solid pulmonary nodules in a phantom: accuracy across different CT scanner technologies. <i>Investigative Radiology</i> , 2007 , 42, 297-302	10.1	32
258	Coronary calcium scoring using 16-row multislice computed tomography: nonenhanced versus contrast-enhanced studies in vitro and in vivo. <i>Investigative Radiology</i> , 2005 , 40, 148-54	10.1	32
257	Is there a need for contrast-enhanced T1-weighted MRI of the spine after inconspicuous short tau inversion recovery imaging?. <i>European Radiology</i> , 2005 , 15, 1387-92	8	32
256	Recanalization of thrombosed dialysis access with use of a rotating mini-pigtail catheter: follow-up study. <i>Journal of Vascular and Interventional Radiology</i> , 2000 , 11, 721-7	2.4	32
255	Effect of different saline chaser volumes and flow rates on intravascular contrast enhancement in CT using a circulation phantom. <i>European Journal of Radiology</i> , 2010 , 73, 688-93	4.7	31
254	Thermoablation of malignant kidney tumors using magnetic nanoparticles: an in vivo feasibility study in a rabbit model. <i>CardioVascular and Interventional Radiology</i> , 2010 , 33, 127-34	2.7	31
253	Aneurysm Sac pressure measurement with minimally invasive implantable pressure sensors: an alternative to current surveillance regimes after EVAR?. <i>CardioVascular and Interventional Radiology</i> , 2008 , 31, 460-7	2.7	31

252	Value of virtual tracheobronchoscopy and bronchography from 16-slice multidetector-row spiral computed tomography for assessment of suspected tracheobronchial stenosis in children. <i>European Radiology</i> , 2006 , 16, 1684-91	8	31
251	Magnetic resonance-guided placement of aortic stents grafts: feasibility with real-time magnetic resonance fluoroscopy. <i>Journal of Vascular and Interventional Radiology</i> , 2004 , 15, 189-95	2.4	31
250	Approaches to CT perfusion imaging in pulmonary embolism. <i>Seminars in Roentgenology</i> , 2005 , 40, 64-73	0.8	31
249	MR-guided percutaneous intramyocardial injection with an MR-compatible catheter: feasibility and changes in T1 values after injection of extracellular contrast medium in pigs. <i>Radiology</i> , 2005 , 235, 487-94	20.5	31
248	Magnetic resonance urography in children: evaluation of suspected ureteral ectopia in duplex systems. <i>Journal of Urology</i> , 2001 , 166, 2346-50	2.5	31
247	Angioplasty and stent placement for treatment of hepatic artery thrombosis following liver transplantation. <i>Journal of Vascular and Interventional Radiology</i> , 1994 , 5, 309-11; discussion 312-4	2.4	31
246	Semi-automated quantification of hepatic lesions in a phantom. <i>Investigative Radiology</i> , 2009 , 44, 82-8	10.1	30
245	Comparison of dual-source CT angiography and MR angiography in preoperative evaluation of intra- and extracranial vessels: a pilot study. <i>European Radiology</i> , 2010 , 20, 469-76	8	30
244	Metallic renal artery MR imaging stent: artifact-free lumen visualization with projection and standard renal MR angiography. <i>Radiology</i> , 2003 , 227, 897-902	20.5	30
243	The petromastoid canal on computed tomography. <i>European Radiology</i> , 2002 , 12, 2770-5	8	30
242	Differentiation of spontaneous canine breast tumors using dynamic magnetic resonance imaging with 24-Gadolinium-DTPA-cascade-polymer, a new blood-pool agent. Preliminary experience. <i>Investigative Radiology</i> , 1996 , 31, 267-74	10.1	30
241	Impact of different vein catheter sizes for mechanical power injection in CT: in vitro evaluation with use of a circulation phantom. <i>CardioVascular and Interventional Radiology</i> , 2009 , 32, 25-31	2.7	29
240	Performance evaluation of a computer-aided detection algorithm for solid pulmonary nodules in low-dose and standard-dose MDCT chest examinations and its influence on radiologists. <i>British Journal of Radiology</i> , 2008 , 81, 841-7	3.4	29
239	Late-phase MSCT in the different stages of myocardial infarction: animal experiments. <i>European Radiology</i> , 2007 , 17, 2310-7	8	29
238	Quantitative assessment of left ventricular function with interactive real-time spiral and radial MR imaging. <i>Radiology</i> , 2003 , 227, 870-6	20.5	29
237	Free-breathing renal magnetic resonance angiography with steady-state free-precession and slab-selective spin inversion combined with radial k-space sampling and water-selective excitation. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 1228-33	4.4	29
236	MR-venography using high resolution True-FISP. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2001 , 173, 686-90	2.3	29
235	Local ablative therapies in HCC: percutaneous ethanol injection and radiofrequency ablation. <i>Digestive Diseases</i> , 2009 , 27, 148-56	3.2	28

234	A 2-year prospective study of bone metabolism and bone mineral density in adolescents with anorexia nervosa. <i>Journal of Neural Transmission</i> , 2007 , 114, 1611-8	4.3	28
233	MR coronary vessel wall imaging: comparison between radial and spiral k-space sampling. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 757-62	5.6	28
232	Ultrasonography of the pancreas. 2. Harmonic imaging. <i>Abdominal Imaging</i> , 2007 , 32, 150-60		28
231	Influence of heart rate and temporal resolution on left-ventricular volumes in cardiac multislice spiral computed tomography: a phantom study. <i>Investigative Radiology</i> , 2006 , 41, 429-35	10.1	28
230	Navigator-gated coronary magnetic resonance angiography using steady-state-free-precession: comparison to standard T2-prepared gradient-echo and spiral imaging. <i>Investigative Radiology</i> , 2003 , 38, 263-8	10.1	28
229	Stent placement for failed angioplasty of aortic stenoses: report of two cases. <i>CardioVascular and Interventional Radiology</i> , 1991 , 14, 316-9	2.7	28
228	Molecular magnetic resonance imaging of deep vein thrombosis using a fibrin-targeted contrast agent: a feasibility study. <i>Investigative Radiology</i> , 2009 , 44, 146-50	10.1	27
227	Left ventricular function can reliably be assessed from dual-source CT using ECG-gated tube current modulation. <i>Investigative Radiology</i> , 2009 , 44, 384-9	10.1	26
226	Semicircular canal dehiscence: comparison of T2-weighted turbo spin-echo MRI and CT. <i>Neuroradiology</i> , 2004 , 46, 326-31	3.2	26
225	Initial experiences with in vivo intravascular coronary vessel wall imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 615-9	5.6	26
224	Nephron-sparing percutaneous ablation of a 5 cm renal cell carcinoma by superselective embolization and percutaneous RF-ablation. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2001 , 173, 980-3	2.3	26
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