

# Konstantin Nikolaou

## List of Publications by Year in Descending Order

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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.

164  
papers

11,069  
citations

56  
h-index

103  
g-index

167  
ext. papers

12,374  
ext. citations

6.5  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
164	Dose escalation to hypoxic subvolumes in head and neck cancer: A randomized phase II study using dynamic [F]FMISO PET/CT.. <i>Radiotherapy and Oncology</i> , <b>2022</b> ,	5.3	3
163	Fluid-based augmentation of magnetic resonance visualization of interventional devices. <i>Journal of Applied Clinical Medical Physics</i> , <b>2021</b> , 22, 261-269	2.3	1
162	Imaging Pulmonary Blood Flow Using Pseudocontinuous Arterial Spin Labeling (PCASL) With Balanced Steady-State Free-Precession (bSSFP) Readout at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 52, 1767-1782	5.6	3
161	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , <b>2020</b> , 17, 427-450	14.8	37
160	Independent attenuation correction of whole body [F]FDG-PET using a deep learning approach with Generative Adversarial Networks. <i>EJNMMI Research</i> , <b>2020</b> , 10, 53	3.6	16
159	MedGAN: Medical image translation using GANs. <i>Computerized Medical Imaging and Graphics</i> , <b>2020</b> , 79, 101684	7.6	133
158	MR-Guided High-Power Microwave Ablation in Hepatic Malignancies: Initial Results in Clinical Routine. <i>CardioVascular and Interventional Radiology</i> , <b>2020</b> , 43, 1631-1638	2.7	3
157	MR-guided microwave ablation in hepatic malignancies: clinical experiences from 50 procedures. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 349-355	3.7	9
156	Prospective Evaluation of a Tumor Control Probability Model Based on Dynamic F-FMISO PET for Head and Neck Cancer Radiotherapy. <i>Journal of Nuclear Medicine</i> , <b>2019</b> , 60, 1698-1704	8.9	22
155	Application of a Metal Artifact Reduction Algorithm for C-Arm Cone-Beam CT: Impact on Image Quality and Diagnostic Confidence for Bronchial Artery Embolization. <i>CardioVascular and Interventional Radiology</i> , <b>2019</b> , 42, 1449-1458	2.7	1
154	Artefact and ablation performance of an MR-conditional high-power microwave system in bovine livers: an ex vivo study. <i>European Radiology Experimental</i> , <b>2019</b> , 3, 39	4.5	2
153	Feasibility, efficacy, and safety of percutaneous MR-guided ablation of small (12 mm) hepatic malignancies. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 374-381	5.6	11
152	Value of CT iterative metal artifact reduction in PET/CT-clinical evaluation in 100 patients. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20180756	3.4	8
151	Renal Lesion Characterization with Spectral CT: Determining the Optimal Energy for Virtual Monoenergetic Reconstruction. <i>Radiology</i> , <b>2018</b> , 287, 874-883	20.5	15
150	Diagnostic Accuracy of Simulated Low-Dose Perfusion CT to Detect Cerebral Perfusion Impairment after Aneurysmal Subarachnoid Hemorrhage: A Retrospective Analysis. <i>Radiology</i> , <b>2018</b> , 287, 643-650	20.5	10
149	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , <b>2018</b> , 28, 4006-4017	8	1
148	Assessment of image quality of a radiotherapy-specific hardware solution for PET/MRI in head and neck cancer patients. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 485-491	5.3	20

147	Impact of iterative metal artifact reduction on diagnostic image quality in patients with dental hardware. <i>Acta Radiologica</i> , <b>2017</b> , 58, 279-285	2	28
146	Prognostic value of dynamic hypoxia PET in head and neck cancer: Results from a planned interim analysis of a randomized phase II hypoxia-image guided dose escalation trial. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 124, 526-532	5.3	84
145	Pancreatic fat content by magnetic resonance imaging in subjects with prediabetes, diabetes, and controls from a general population without cardiovascular disease. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177154	3.7	32
144	Overlap of highly FDG-avid and FMISO hypoxic tumor subvolumes in patients with head and neck cancer. <i>Acta Oncologica</i> , <b>2017</b> , 56, 1577-1582	3.2	14
143	Geometric analysis of loco-regional recurrences in relation to pre-treatment hypoxia in patients with head and neck cancer. <i>Acta Oncologica</i> , <b>2017</b> , 56, 1571-1576	3.2	17
142	Improving CT-Based PET Attenuation Correction in the Vicinity of Metal Implants by an Iterative Metal Artifact Reduction Algorithm of CT Data and Its Comparison to Dual-Energy-Based Strategies: A Phantom Study. <i>Investigative Radiology</i> , <b>2017</b> , 52, 61-65	10.1	23
141	Diffusion-weighted echo planar MR imaging of the neck at 3 T using integrated shimming: comparison of MR sequence techniques for reducing artifacts caused by magnetic-field inhomogeneities. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2017</b> , 30, 57-63	2.8	12
140	MR-guided microwave ablation in hepatic tumours: initial results in clinical routine. <i>European Radiology</i> , <b>2017</b> , 27, 1467-1476	8	42
139	Diagnostic accuracy of coronary CT angiography using 3-generation dual-source CT and automated tube voltage selection: Clinical application in a non-obese and obese patient population. <i>European Radiology</i> , <b>2017</b> , 27, 2298-2308	8	23
138	Impact of an advanced image-based monoenergetic reconstruction algorithm on coronary stent visualization using third generation dual-source dual-energy CT: a phantom study. <i>European Radiology</i> , <b>2016</b> , 26, 1871-8	8	37
137	Spinal dual-energy computed tomography: improved visualisation of spinal tumorous growth with a noise-optimised advanced monoenergetic post-processing algorithm. <i>Neuroradiology</i> , <b>2016</b> , 58, 1093-1102	3.2	8
136	Iodine concentration as a perfusion surrogate marker in oncology: Further elucidation of the underlying mechanisms using Volume Perfusion CT with 80 kVp. <i>European Radiology</i> , <b>2016</b> , 26, 2929-36	8	33
135	Evidencia científica reciente y avances técnicos en la tomografía computarizada cardiovascular. <i>Revista Espanola De Cardiologia</i> , <b>2016</b> , 69, 509-514	1.5	12
134	Diffusion-weighted imaging in the assessment of prostate cancer: Comparison of zoomed imaging and conventional technique. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 893-900	4.7	22
133	25 Years of Contrast-Enhanced MRI: Developments, Current Challenges and Future Perspectives. <i>Advances in Therapy</i> , <b>2016</b> , 33, 1-28	4.1	211
132	Reproducibility and differentiation of cervical arteriopathies using in vivo high-resolution black-blood MRI at 3 T. <i>Neuroradiology</i> , <b>2016</b> , 58, 569-576	3.2	9
131	Detection of pulmonary embolism with free-breathing dynamic contrast-enhanced MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 43, 887-93	5.6	9
130	Recent Scientific Evidence and Technical Developments in Cardiovascular Computed Tomography. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2016</b> , 69, 509-14	0.7	2

129	Cardiac computed tomography for the evaluation of the acute chest pain syndrome: state of the art. <i>Radiologic Clinics of North America</i> , <b>2015</b> , 53, 297-305	2.3	11
128	DCE-MRI biomarkers for monitoring an anti-angiogenic triple combination therapy in experimental hypopharynx carcinoma xenografts with immunohistochemical validation. <i>Acta Radiologica</i> , <b>2015</b> , 56, 294-303	2	7
127	Feasibility of free-breathing, GRAPPA-based, real-time cardiac cine assessment of left-ventricular function in cardiovascular patients at 3T. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 849-55	4.7	5
126	Robustness of quantitative hypoxia PET image analysis for predicting local tumor control. <i>Acta Oncologica</i> , <b>2015</b> , 54, 1364-9	3.2	18
125	Material characterization of dual-energy computed tomographic data using polar coordinates. <i>Journal of Computer Assisted Tomography</i> , <b>2015</b> , 39, 134-9	2.2	1
124	High-Pitch Low-Dose Whole-Body Computed Tomography for the Assessment of Ventriculoperitoneal Shunts in a Pediatric Patient Model: An Experimental Ex Vivo Study in Rabbits. <i>Investigative Radiology</i> , <b>2015</b> , 50, 858-62	10.1	2
123	Ex Vivo Perfusion-Simulation Measurements of Microbubbles as a Scattering Contrast Agent for Grating-Based X-Ray Dark-Field Imaging. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129512	3.7	11
122	Comparison and Combination of Dual-Energy- and Iterative-Based Metal Artefact Reduction on Hip Prosthesis and Dental Implants. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143584	3.7	59
121	Diffusion-weighted imaging in musculoskeletal radiology-clinical applications and future directions. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2015</b> , 5, 740-53	3.6	18
120	Feasibility of dynamic CT-based adenosine stress myocardial perfusion imaging to detect and differentiate ischemic and infarcted myocardium in a large experimental porcine animal model. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 803-12	2.5	15
119	Lung tumors on multimodal radiographs derived from grating-based X-ray imaging--a feasibility study. <i>Physica Medica</i> , <b>2014</b> , 30, 352-7	2.7	21
118	Parallel-transmit-accelerated spatially-selective excitation MRI for reduced-FOV diffusion-weighted-imaging of the pancreas. <i>European Journal of Radiology</i> , <b>2014</b> , 83, 1709-14	4.7	22
117	Dynamic myocardial CT perfusion imaging for evaluation of myocardial ischemia as determined by MR imaging. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 267-77	8.4	82
116	Small-animal dark-field radiography for pulmonary emphysema evaluation <b>2014</b> ,		3
115	Diffusion-weighted MRI of the prostate: advantages of Zoomed EPI with parallel-transmit-accelerated 2D-selective excitation imaging. <i>European Radiology</i> , <b>2014</b> , 24, 3233-41	8	63
114	Assessment of pulmonary perfusion with breath-hold and free-breathing dynamic contrast-enhanced magnetic resonance imaging: quantification and reproducibility. <i>Investigative Radiology</i> , <b>2014</b> , 49, 382-9	10.1	23
113	Improved diagnosis of pulmonary emphysema using in vivo dark-field radiography. <i>Investigative Radiology</i> , <b>2014</b> , 49, 653-8	10.1	44
112	Individual patient data meta-analysis for the clinical assessment of coronary computed tomography angiography: protocol of the Collaborative Meta-Analysis of Cardiac CT (CoMe-CCT). <i>Systematic Reviews</i> , <b>2013</b> , 2, 13	3	10

111	Whole-brain CT perfusion: reliability and reproducibility of volumetric perfusion deficit assessment in patients with acute ischemic stroke. <i>Neuroradiology</i> , <b>2013</b> , 55, 827-35	3.2	60
110	Impact of cardiovascular risk factors on vessel wall inflammation and calcified plaque burden differs across vascular beds: a PET-CT study. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1899-908	2.5	24
109	Comparison of contrast-to-noise ratios of transmission and dark-field signal in grating-based X-ray imaging for healthy murine lung tissue. <i>Zeitschrift Fur Medizinische Physik</i> , <b>2013</b> , 23, 236-42	7.6	20
108	The Big Picture: Evidence Base and Current Trials in Cardiac CT. <i>Current Radiology Reports</i> , <b>2013</b> , 1, 246-254	2.5	3
107	The carotid plaque imaging in acute stroke (CAPIAS) study: protocol and initial baseline data. <i>BMC Neurology</i> , <b>2013</b> , 13, 201	3.1	26
106	Optimal timing for first-pass stress CT myocardial perfusion imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 435-42	2.5	60
105	Myocardial CT perfusion imaging in a large animal model: comparison of dynamic versus single-phase acquisitions. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 1229-38	8.4	37
104	Worsening respiratory function in mechanically ventilated intensive care patients: feasibility and value of xenon-enhanced dual energy CT. <i>European Journal of Radiology</i> , <b>2013</b> , 82, 557-62	4.7	15
103	CT stress perfusion imaging for detection of haemodynamically relevant coronary stenosis as defined by FFR. <i>Heart</i> , <b>2013</b> , 99, 1004-11	5.1	92
102	Pulmonary emphysema diagnosis with a preclinical small-animal X-ray dark-field scatter-contrast scanner. <i>Radiology</i> , <b>2013</b> , 269, 427-33	20.5	93
101	Free breathing real-time cardiac cine imaging with improved spatial resolution at 3 T. <i>Investigative Radiology</i> , <b>2013</b> , 48, 158-66	10.1	7
100	In vivo monitoring of sorafenib therapy effects on experimental prostate carcinomas using dynamic contrast-enhanced MRI and macromolecular contrast media. <i>Cancer Imaging</i> , <b>2013</b> , 13, 557-66	5.6	6
99	Diagnosing and mapping pulmonary emphysema on X-ray projection images: incremental value of grating-based X-ray dark-field imaging. <i>PLoS ONE</i> , <b>2013</b> , 8, e59526	3.7	35
98	Incremental prognostic value of different components of coronary atherosclerotic plaque at cardiac CT angiography beyond coronary calcification in patients with acute chest pain. <i>Radiology</i> , <b>2012</b> , 264, 679-90	20.5	50
97	Emphysema diagnosis using X-ray dark-field imaging at a laser-driven compact synchrotron light source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 17880-5	11.5	138
96	Prevalence of nonstenosing, complicated atherosclerotic plaques in cryptogenic stroke. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 397-405	8.4	135
95	Diagnostic image quality of a comprehensive high-pitch dual-spiral cardiothoracic CT protocol in patients with undifferentiated acute chest pain. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 3697-702	4.7	25
94	Severity assessment of pulmonary embolism using dual energy CT - correlation of a pulmonary perfusion defect score with clinical and morphological parameters of blood oxygenation and right ventricular failure. <i>European Radiology</i> , <b>2012</b> , 22, 269-78	8	45

93	CT Evaluation of the Myocardial Blood Supply: Single-Source, Single-Energy CT. <i>Medical Radiology</i> , <b>2012</b> , 65-74	0.2	
92	Perfusion MRI for monitoring the effect of sorafenib on experimental prostate carcinoma: a validation study. <i>American Journal of Roentgenology</i> , <b>2012</b> , 198, 384-91	5.4	22
91	Time-resolved CT angiography for the detection and classification of endoleaks. <i>Radiology</i> , <b>2012</b> , 263, 917-26	20.5	49
90	Accuracy of dynamic computed tomography adenosine stress myocardial perfusion imaging in estimating myocardial blood flow at various degrees of coronary artery stenosis using a porcine animal model. <i>Investigative Radiology</i> , <b>2012</b> , 47, 71-7	10.1	72
89	Meta-analysis and systematic review of the long-term predictive value of assessment of coronary atherosclerosis by contrast-enhanced coronary computed tomography angiography. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 57, 2426-36	15.1	131
88	Metal artifact reduction by dual energy computed tomography using monoenergetic extrapolation. <i>European Radiology</i> , <b>2011</b> , 21, 1424-9	8	432
87	MRI and CT in the diagnosis of coronary artery disease: indications and applications. <i>Insights Into Imaging</i> , <b>2011</b> , 2, 9-24	5.6	34
86	Interrupted nitinol U-Clips versus standard running suture for the central arterial T-graft anastomosis: a prospective randomized study. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, e93-7	3	4
85	Vessel wall inflammation in spontaneous cervical artery dissection: a prospective, observational positron emission tomography, computed tomography, and magnetic resonance imaging study. <i>Stroke</i> , <b>2011</b> , 42, 1563-8	6.7	50
84	Detection of hemodynamically significant coronary artery stenosis: incremental diagnostic value of dynamic CT-based myocardial perfusion imaging. <i>Radiology</i> , <b>2011</b> , 260, 689-98	20.5	216
83	Single-phase dual-energy CT allows for characterization of renal masses as benign or malignant. <i>Investigative Radiology</i> , <b>2010</b> , 45, 399-405	10.1	172
82	In vivo imaging of macrophage activity in the coronary arteries using <sup>68</sup> Ga-DOTATATE PET/CT: correlation with coronary calcium burden and risk factors. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 193-7	8.9	115
81	Evaluation of plaques and stenosis. <i>Radiologic Clinics of North America</i> , <b>2010</b> , 48, 729-44	2.3	4
80	Dual-energy lung perfusion computed tomography: a novel pulmonary functional imaging method. <i>Seminars in Ultrasound, CT and MRI</i> , <b>2010</b> , 31, 301-8	1.7	22
79	Image quality of virtual noncontrast images derived from dual-energy CT angiography after endovascular aneurysm repair. <i>Journal of Vascular and Interventional Radiology</i> , <b>2010</b> , 21, 315-21	2.4	77
78	Quantitative pulmonary perfusion magnetic resonance imaging: influence of temporal resolution and signal-to-noise ratio. <i>Investigative Radiology</i> , <b>2010</b> , 45, 7-14	10.1	31
77	Time-resolved computed tomography imaging of the aorta: a feasibility study. <i>Journal of Thoracic Imaging</i> , <b>2010</b> , 25, 161-7	5.6	15
76	Diagnosing pulmonary embolism: new computed tomography applications. <i>Journal of Thoracic Imaging</i> , <b>2010</b> , 25, 151-60	5.6	40

75	Saving dose in triple-rule-out computed tomography examination using a high-pitch dual spiral technique. <i>Investigative Radiology</i> , <b>2010</b> , 45, 64-71	10.1	83
74	Dual energy CT of the chest: how about the dose?. <i>Investigative Radiology</i> , <b>2010</b> , 45, 347-53	10.1	150
73	Automated computer-aided stenosis detection at coronary CT angiography: initial experience. <i>European Radiology</i> , <b>2010</b> , 20, 1160-7	8	43
72	Systolic acquisition of coronary dual-source computed tomography angiography: feasibility in an unselected patient population. <i>European Radiology</i> , <b>2010</b> , 20, 1331-6	8	12
71	Dynamic myocardial stress perfusion imaging using fast dual-source CT with alternating table positions: initial experience. <i>European Radiology</i> , <b>2010</b> , 20, 1168-73	8	83
70	Pulmonary ventilation and perfusion imaging with dual-energy CT. <i>European Radiology</i> , <b>2010</b> , 20, 2882-98		67
69	Association of inflammation of the left anterior descending coronary artery with cardiovascular risk factors, plaque burden and pericardial fat volume: a PET/CT study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2010</b> , 37, 1203-12	8.8	59
68	<sup>18</sup> F-FDG PET/CT identifies patients at risk for future vascular events in an otherwise asymptomatic cohort with neoplastic disease. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1611-20	8.9	274
67	High resolution carotid black-blood 3T MR with parallel imaging and dedicated 4-channel surface coils. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11, 41	6.9	41
66	Adequate image quality with reduced radiation dose in prospectively triggered coronary CTA compared with retrospective techniques. <i>European Radiology</i> , <b>2009</b> , 19, 2147-55	8	56
65	Dual-energy CT for the assessment of contrast material distribution in the pulmonary parenchyma. <i>American Journal of Roentgenology</i> , <b>2009</b> , 193, 144-9	5.4	173
64	Cardiovascular whole-body MRI. <i>European Journal of Radiology</i> , <b>2009</b> , 70, 418-23	4.7	5
63	Contrast-enhanced whole-heart MR coronary angiography at 3.0 T using the intravascular contrast agent gadofosveset. <i>Investigative Radiology</i> , <b>2009</b> , 44, 369-74	10.1	41
62	Time-resolved 3D pulmonary perfusion MRI: comparison of different k-space acquisition strategies at 1.5 and 3 T. <i>Investigative Radiology</i> , <b>2009</b> , 44, 525-31	10.1	26
61	Noninvasive coronary angiography using dual-source computed tomography in patients with atrial fibrillation. <i>Investigative Radiology</i> , <b>2009</b> , 44, 159-67	10.1	65
60	The value of dual-energy bone removal in maximum intensity projections of lower extremity computed tomography angiography. <i>Investigative Radiology</i> , <b>2009</b> , 44, 285-92	10.1	67
59	New Indications for Cardiac CT. <i>Medical Radiology</i> , <b>2009</b> , 253-268	0.2	1
58	Dual energy CT for the assessment of lung perfusion--correlation to scintigraphy. <i>European Journal of Radiology</i> , <b>2008</b> , 68, 369-74	4.7	223

57	Optimization of cardiac MSCT contrast injection protocols: dependency of the main bolus contrast density on test bolus parameters and patientsTbody weight. <i>Academic Radiology</i> , <b>2008</b> , 15, 49-57	4.3	16
56	Dual energy CT characterization of urinary calculi: initial in vitro and clinical experience. <i>Investigative Radiology</i> , <b>2008</b> , 43, 112-9	10.1	271
55	Dual-source CT for chest pain assessment. <i>European Radiology</i> , <b>2008</b> , 18, 773-80	8	76
54	Value of automatic bone subtraction in cranial CT angiography: comparison of bone-subtracted vs. standard CT angiography in 100 patients. <i>European Radiology</i> , <b>2008</b> , 18, 974-82	8	43
53	Thorax and Vasculature <b>2008</b> , 663-861		
52	Whole-body MRA <b>2008</b> , 131-138		
51	Pulmonary MRA <b>2008</b> , 69-79		
50	Vascular: Extended Chest Pain Protocol <b>2008</b> , 130-139		0
49	Combined functional and morphological imaging consisting of gated myocardial perfusion SPECT and 16-detector multislice spiral CT angiography in the noninvasive evaluation of coronary artery disease: first experiences. <i>Clinical Imaging</i> , <b>2007</b> , 31, 313-20	2.7	12
48	Visual and automatic grading of coronary artery stenoses with 64-slice CT angiography in reference to invasive angiography. <i>European Radiology</i> , <b>2007</b> , 17, 1445-51	8	51
47	Sixty-four slice spiral CT angiography does not predict the functional relevance of coronary artery stenoses in patients with stable angina. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2007</b> , 34, 4-10	8.8	116
46	Evaluation of left atrial myxoma by dual-source CT. <i>CardioVascular and Interventional Radiology</i> , <b>2007</b> , 30, 1085-6	2.7	2
45	New applications for noninvasive cardiac imaging: dual-source computed tomography. <i>European Radiology, Supplement</i> , <b>2007</b> , 17 Suppl 6, F16-25		20
44	ECG-gated 64-MDCT angiography in the differential diagnosis of acute chest pain. <i>American Journal of Roentgenology</i> , <b>2007</b> , 188, 76-82	5.4	121
43	Diagnostic accuracy of dual-source multi-slice CT-coronary angiography in patients with an intermediate pretest likelihood for coronary artery disease. <i>European Heart Journal</i> , <b>2007</b> , 28, 2354-60	9.5	239
42	Optimization of contrast material administration for electrocardiogram-gated computed tomographic angiography of the chest. <i>Journal of Computer Assisted Tomography</i> , <b>2007</b> , 31, 265-71	2.2	48
41	Diagnostic accuracy of dual-source computed tomography in the diagnosis of coronary artery disease. <i>Investigative Radiology</i> , <b>2007</b> , 42, 684-91	10.1	128
40	Imaging of Pulmonary Hypertension <b>2007</b> , 481-494		



39	Detection of healed myocardial infarction with multidetector-row computed tomography and comparison with cardiac magnetic resonance delayed hyperenhancement. <i>American Journal of Cardiology</i> , <b>2006</b> , 98, 149-55	3	39
38	Cardiac CINE MR imaging with a 32-channel cardiac coil and parallel imaging: impact of acceleration factors on image quality and volumetric accuracy. <i>Journal of Magnetic Resonance Imaging</i> , <b>2006</b> , 23, 222-7	5.6	66
37	Clinical value of MDCT in the diagnosis of coronary artery disease in patients with a low pretest likelihood of significant disease. <i>American Journal of Roentgenology</i> , <b>2006</b> , 186, 1659-68	5.4	50
36	High-spatial-resolution multistation MR angiography with parallel imaging and blood pool contrast agent: initial experience. <i>Radiology</i> , <b>2006</b> , 241, 861-72	20.5	95
35	Accuracy of 64-MDCT in the diagnosis of ischemic heart disease. <i>American Journal of Roentgenology</i> , <b>2006</b> , 187, 111-7	5.4	244
34	Assessment of coronary artery stent patency and restenosis using 64-slice computed tomography. <i>Academic Radiology</i> , <b>2006</b> , 13, 1465-73	4.3	61
33	Accuracy of 64-slice computed tomography to classify and quantify plaque volumes in the proximal coronary system: a comparative study using intravascular ultrasound. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 672-7	15.1	606
32	Cardiac steady-state free precession CINE magnetic resonance imaging at 3.0 tesla: impact of parallel imaging acceleration on volumetric accuracy and signal parameters. <i>Investigative Radiology</i> , <b>2006</b> , 41, 141-7	10.1	37
31	Contrast bolus optimization for cardiac 16-slice computed tomography: comparison of contrast medium formulations containing 300 and 400 milligrams of iodine per milliliter. <i>Investigative Radiology</i> , <b>2006</b> , 41, 460-7	10.1	53
30	Image quality, motion artifacts, and reconstruction timing of 64-slice coronary computed tomography angiography with 0.33-second rotation speed. <i>Investigative Radiology</i> , <b>2006</b> , 41, 436-42	10.1	159
29	High-resolution ex vivo imaging of coronary artery stents using 64-slice computed tomography--initial experience. <i>European Radiology</i> , <b>2006</b> , 16, 1564-9	8	22
28	Dual-source CT cardiac imaging: initial experience. <i>European Radiology</i> , <b>2006</b> , 16, 1409-15	8	290
27	Cardiovascular screening with parallel imaging techniques and a whole-body MR imager. <i>Radiology</i> , <b>2005</b> , 236, 300-10	20.5	74
26	Quantification of obstructive and nonobstructive coronary lesions by 64-slice computed tomography: a comparative study with quantitative coronary angiography and intravascular ultrasound. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 147-54	15.1	930
25	Flat panel computed tomography of human ex vivo heart and bone specimens: initial experience. <i>European Radiology</i> , <b>2005</b> , 15, 329-33	8	32
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19	Optimization of ex vivo CT- and MR- imaging of atherosclerotic vessel wall changes. <i>International Journal of Cardiovascular Imaging</i> , <b>2004</b> , 20, 327-34		5
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15	Morphological and functional magnetic resonance imaging after heterotopic heart transplantation. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 78, 1064-6	2.7	0
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2	Cardiac Multidetector-Row Computed Tomography: Initial Experience Using 16 Detector-Row Systems		5
1	Short-term variability of proton density fat fraction in pancreas and liver assessed by multi-echo chemical-shift encoding-based MRI at 3 T		1