

# Hatem Alkadhi

## List of Publications by Citations

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373  
papers

14,135  
citations

65  
h-index

106  
g-index

401  
ext. papers

16,362  
ext. citations

6  
avg, IF

6.31  
L-index

#	Paper	IF	Citations
373	Accuracy of MSCT coronary angiography with 64-slice technology: first experience. <i>European Heart Journal</i> , <b>2005</b> , 26, 1482-7	9.5	782
372	Accuracy of dual-source CT coronary angiography: First experience in a high pre-test probability population without heart rate control. <i>European Radiology</i> , <b>2006</b> , 16, 2739-47	8	345
371	Multislice computed tomography in infective endocarditis: comparison with transesophageal echocardiography and intraoperative findings. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 436-44	15.1	287
370	Prognostic value of multislice computed tomography and gated single-photon emission computed tomography in patients with suspected coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 623-632	15.1	272
369	Noninvasive coronary angiography with 64-section CT: effect of average heart rate and heart rate variability on image quality. <i>Radiology</i> , <b>2006</b> , 241, 378-85	20.5	269
368	Low kilovoltage cardiac dual-source CT: attenuation, noise, and radiation dose. <i>European Radiology</i> , <b>2008</b> , 18, 1809-17	8	242
367	Dual-source CT in step-and-shoot mode: noninvasive coronary angiography with low radiation dose. <i>Radiology</i> , <b>2008</b> , 249, 71-80	20.5	232
366	Low-dose CT coronary angiography in the step-and-shoot mode: diagnostic performance. <i>Heart</i> , <b>2008</b> , 94, 1132-7	5.1	231
365	Raw data-based iterative reconstruction in body CTA: evaluation of radiation dose saving potential. <i>European Radiology</i> , <b>2011</b> , 21, 2521-6	8	202
364	Endoleaks after endovascular abdominal aortic aneurysm repair: detection with dual-energy dual-source CT. <i>Radiology</i> , <b>2008</b> , 249, 682-91	20.5	180
363	Radiation dose estimates in dual-source computed tomography coronary angiography. <i>European Radiology</i> , <b>2008</b> , 18, 592-9	8	174
362	Cardiac image fusion from stand-alone SPECT and CT: clinical experience. <i>Journal of Nuclear Medicine</i> , <b>2007</b> , 48, 696-703	8.9	174
361	Functionally relevant coronary artery disease: comparison of 64-section CT angiography with myocardial perfusion SPECT. <i>Radiology</i> , <b>2008</b> , 248, 414-23	20.5	173
360	Diagnostic accuracy of high-pitch dual-source CT for the assessment of coronary stenoses: first experience. <i>European Radiology</i> , <b>2009</b> , 19, 2896-903	8	165
359	Ultralow-dose chest computed tomography for pulmonary nodule detection: first performance evaluation of single energy scanning with spectral shaping. <i>Investigative Radiology</i> , <b>2014</b> , 49, 465-73	10.1	162
358	Radiomics in medical imaging-"how-to" guide and critical reflection. <i>Insights Into Imaging</i> , <b>2020</b> , 11, 91	5.6	158
357	Dual-source CT coronary angiography: image quality, mean heart rate, and heart rate variability. <i>American Journal of Roentgenology</i> , <b>2007</b> , 189, 567-73	5.4	152

356	Automated attenuation-based tube potential selection for thoracoabdominal computed tomography angiography: improved dose effectiveness. <i>Investigative Radiology</i> , <b>2011</b> , 46, 767-73	10.1	148
355	Dual-source computed tomography coronary angiography: influence of obesity, calcium load, and heart rate on diagnostic accuracy. <i>European Heart Journal</i> , <b>2008</b> , 29, 766-76	9.5	148
354	Low-dose, 128-slice, dual-source CT coronary angiography: accuracy and radiation dose of the high-pitch and the step-and-shoot mode. <i>Heart</i> , <b>2010</b> , 96, 933-8	5.1	147
353	What disconnection tells about motor imagery: evidence from paraplegic patients. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 131-40	5.1	146
352	Image quality and reconstruction intervals of dual-source CT coronary angiography: recommendations for ECG-pulsing windowing. <i>Investigative Radiology</i> , <b>2007</b> , 42, 543-9	10.1	142
351	Coronary artery motion and cardiac phases: dependency on heart rate -- implications for CT image reconstruction. <i>Radiology</i> , <b>2007</b> , 245, 567-76	20.5	138
350	Adenosine stress high-pitch 128-slice dual-source myocardial computed tomography perfusion for imaging of reversible myocardial ischemia: comparison with magnetic resonance imaging. <i>Circulation: Cardiovascular Imaging</i> , <b>2011</b> , 4, 540-9	3.9	130
349	Metallic artefact reduction with monoenergetic dual-energy CT: systematic ex vivo evaluation of posterior spinal fusion implants from various vendors and different spine levels. <i>European Radiology</i> , <b>2012</b> , 22, 2357-64	8	127
348	Reduction of metal artifacts from hip prostheses on CT images of the pelvis: value of iterative reconstructions. <i>Radiology</i> , <b>2013</b> , 268, 237-44	20.5	124
347	Dual- and multi-energy CT: approach to functional imaging. <i>Insights Into Imaging</i> , <b>2011</b> , 2, 149-159	5.6	121
346	Validation of a new cardiac image fusion software for three-dimensional integration of myocardial perfusion SPECT and stand-alone 64-slice CT angiography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2007</b> , 34, 1097-106	8.8	121
345	Pre- and postoperative evaluation of congenital heart disease in children and adults with 64-section CT. <i>Radiographics</i> , <b>2007</b> , 27, 829-46	5.4	121
344	Coronary 64-slice CT angiography predicts outcome in patients with known or suspected coronary artery disease. <i>European Radiology</i> , <b>2008</b> , 18, 1162-73	8	120
343	Low-dose CT of the lung: potential value of iterative reconstructions. <i>European Radiology</i> , <b>2012</b> , 22, 2598-606	11.7	117
342	Meta-analysis: diagnostic performance of low-radiation-dose coronary computed tomography angiography. <i>Annals of Internal Medicine</i> , <b>2011</b> , 154, 413-20	8	116
341	Diagnostic performance of dual-energy CT for the detection of traumatic bone marrow lesions in the ankle: comparison with MR imaging. <i>Radiology</i> , <b>2012</b> , 264, 164-73	20.5	109
340	Optimal image reconstruction intervals for non-invasive coronary angiography with 64-slice CT. <i>European Radiology</i> , <b>2006</b> , 16, 1964-72	8	109
339	Accuracy of 64-slice CT angiography for the detection of functionally relevant coronary stenoses as assessed with myocardial perfusion SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2007</b> , 34, 1162-71	8.8	107

338	Dual-energy contrast-enhanced computed tomography for the detection of urinary stone disease. <i>Investigative Radiology</i> , <b>2007</b> , 42, 823-9	10.1	106
337	Plasticity of the human motor cortex in patients with arteriovenous malformations: a functional MR imaging study. <i>American Journal of Neuroradiology</i> , <b>2000</b> , 21, 1423-33	4.4	105
336	Cinematic rendering - an alternative to volume rendering for 3D computed tomography imaging. <i>Insights Into Imaging</i> , <b>2016</b> , 7, 849-856	5.6	101
335	Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. <i>Radiology</i> , <b>2018</b> , 286, 103-112	20.5	99
334	Reproducibility of primary motor cortex somatotopy under controlled conditions. <i>American Journal of Neuroradiology</i> , <b>2002</b> , 23, 1524-32	4.4	99
333	Left atrial appendage clip occlusion: early clinical results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 1269-74	1.5	98
332	Radiation dose of cardiac dual-source CT: the effect of tailoring the protocol to patient-specific parameters. <i>European Journal of Radiology</i> , <b>2008</b> , 68, 385-91	4.7	98
331	Evolution in Computed Tomography: The Battle for Speed and Dose. <i>Investigative Radiology</i> , <b>2015</b> , 50, 629-44	10.1	95
330	Mitral regurgitation: quantification with 16-detector row CT--initial experience. <i>Radiology</i> , <b>2006</b> , 238, 454-63	20.5	95
329	Acute gastrointestinal bleeding: detection of source and etiology with multi-detector-row CT. <i>European Radiology</i> , <b>2007</b> , 17, 1555-65	8	90
328	In vivo identification of uric acid stones with dual-energy CT: diagnostic performance evaluation in patients. <i>Abdominal Imaging</i> , <b>2010</b> , 35, 629-35		89
327	Aortic stenosis: comparative evaluation of 16-detector row CT and echocardiography. <i>Radiology</i> , <b>2006</b> , 240, 47-55	20.5	88
326	Aortic valve replacement through a minimally invasive approach: preoperative planning, surgical technique, and outcome. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 88, 1851-6	2.7	86
325	Aortic regurgitation: assessment with 64-section CT. <i>Radiology</i> , <b>2007</b> , 245, 111-21	20.5	86
324	Safe, effective and durable epicardial left atrial appendage clip occlusion in patients with atrial fibrillation undergoing cardiac surgery: first long-term results from a prospective device trial. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2014</b> , 45, 126-31	3	84
323	Dual-energy computed tomography for the differentiation of uric acid stones: ex vivo performance evaluation. <i>Urological Research</i> , <b>2008</b> , 36, 133-8		84
322	Characterization of urinary stones with dual-energy CT: improved differentiation using a tin filter. <i>Investigative Radiology</i> , <b>2010</b> , 45, 1-6	10.1	83
321	Myocardial bridging: depiction rate and morphology at CT coronary angiography--comparison with conventional coronary angiography. <i>Radiology</i> , <b>2008</b> , 246, 754-62	20.5	82

320	Vascular emergencies of the thorax after blunt and iatrogenic trauma: multi-detector row CT and three-dimensional imaging. <i>Radiographics</i> , <b>2004</b> , 24, 1239-55	5.4	81
319	Mcleod syndrome: A novel mutation, predominant psychiatric manifestations, and distinct striatal imaging findings. <i>Annals of Neurology</i> , <b>2001</b> , 49, 384-392	9.4	81
318	Patient-specific three-dimensional simulation of LDL accumulation in a human left coronary artery in its healthy and atherosclerotic states. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H1969-82	5.2	80
317	High-pitch dual-source CT angiography of the thoracic and abdominal aorta: is simultaneous coronary artery assessment possible?. <i>American Journal of Roentgenology</i> , <b>2010</b> , 194, 938-44	5.4	78
316	Texture Analysis and Machine Learning for Detecting Myocardial Infarction in Noncontrast Low-Dose Computed Tomography: Unveiling the Invisible. <i>Investigative Radiology</i> , <b>2018</b> , 53, 338-343	10.1	76
315	Cardiac CT angiography for the diagnosis of mitral valve prolapse: comparison with echocardiography1. <i>Radiology</i> , <b>2010</b> , 254, 374-83	20.5	73
314	Accuracy of 64-slice computed tomography for the preoperative detection of coronary artery disease in patients with chronic aortic regurgitation. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 701-6	3	72
313	Choosing the optimal wall shear parameter for the prediction of plaque location-A patient-specific computational study in human left coronary arteries. <i>Atherosclerosis</i> , <b>2012</b> , 221, 432-7	3.1	71
312	Left ventricular and left atrial dimensions and volumes: comparison between dual-source CT and echocardiography. <i>Investigative Radiology</i> , <b>2008</b> , 43, 284-9	10.1	71
311	Dual-energy CT for characterization of the incidental adrenal mass: preliminary observations. <i>American Journal of Roentgenology</i> , <b>2012</b> , 198, 138-44	5.4	69
310	Quantitative computed tomography liver perfusion imaging using dynamic spiral scanning with variable pitch: feasibility and initial results in patients with cancer metastases. <i>Investigative Radiology</i> , <b>2010</b> , 45, 419-26	10.1	68
309	Choosing the optimal wall shear parameter for the prediction of plaque location-A patient-specific computational study in human right coronary arteries. <i>Atherosclerosis</i> , <b>2010</b> , 211, 445-50	3.1	65
308	Texture analysis and machine learning of non-contrast T1-weighted MR images in patients with hypertrophic cardiomyopathy-Preliminary results. <i>European Journal of Radiology</i> , <b>2018</b> , 102, 61-67	4.7	62
307	Advanced virtual monoenergetic images: improving the contrast of dual-energy CT pulmonary angiography. <i>Clinical Radiology</i> , <b>2015</b> , 70, 1244-51	2.9	61
306	Influence of cardiac hemodynamic parameters on coronary artery opacification with 64-slice computed tomography. <i>European Radiology</i> , <b>2006</b> , 16, 1111-6	8	61
305	Multi-detector computed tomography of acute abdomen. <i>European Radiology</i> , <b>2005</b> , 15, 2435-47	8	60
304	Coronary CT angiography and myocardial perfusion imaging to detect flow-limiting stenoses: a potential gatekeeper for coronary revascularization?. <i>European Heart Journal</i> , <b>2009</b> , 30, 2921-9	9.5	58
303	Triple rule-out CT in the emergency department: protocols and spectrum of imaging findings. <i>European Radiology</i> , <b>2009</b> , 19, 789-99	8	58

302	Reference values for quantitative left ventricular and left atrial measurements in cardiac computed tomography. <i>European Radiology</i> , <b>2008</b> , 18, 1625-34	8	58
301	Advanced modelled iterative reconstruction for abdominal CT: qualitative and quantitative evaluation. <i>Clinical Radiology</i> , <b>2014</b> , 69, e497-504	2.9	57
300	High-pitch dual-source CT angiography of the aortic valve-aortic root complex without ECG-synchronization. <i>European Radiology</i> , <b>2011</b> , 21, 205-12	8	56
299	Cardiac CT for the differentiation of bicuspid and tricuspid aortic valves: comparison with echocardiography and surgery. <i>American Journal of Roentgenology</i> , <b>2010</b> , 195, 900-8	5.4	56
298	Influence of calcifications on diagnostic accuracy of coronary CT angiography using prospective ECG triggering. <i>American Journal of Roentgenology</i> , <b>2008</b> , 191, 1684-9	5.4	56
297	Photon-Counting CT: High-Resolution Imaging of Coronary Stents. <i>Investigative Radiology</i> , <b>2018</b> , 53, 143-149	14.9	54
296	MRI in tick-borne encephalitis. <i>Neuroradiology</i> , <b>2000</b> , 42, 753-5	3.2	54
295	Metal Artifact Reduction in Pelvic Computed Tomography With Hip Prostheses: Comparison of Virtual Monoenergetic Extrapolations From Dual-Energy Computed Tomography and an Iterative Metal Artifact Reduction Algorithm in a Phantom Study. <i>Investigative Radiology</i> , <b>2015</b> , 50, 828-34	10.1	53
294	Performance of dual-energy CT with tin filter technology for the discrimination of renal cysts and enhancing masses. <i>Academic Radiology</i> , <b>2010</b> , 17, 526-34	4.3	53
293	Dual-step prospective ECG-triggered 128-slice dual-source CT for evaluation of coronary arteries and cardiac function without heart rate control: a technical note. <i>European Radiology</i> , <b>2010</b> , 20, 2092-9	8	53
292	Computed tomography of the spleen: how to interpret the hypodense lesion. <i>Insights Into Imaging</i> , <b>2013</b> , 4, 65-76	5.6	52
291	Low kilovoltage CT of the neck with 70 kVp: comparison with a standard protocol. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, 1014-9	4.4	52
290	Monoenergetic computed tomography reconstructions reduce beam hardening artifacts from dental restorations. <i>Forensic Science, Medicine, and Pathology</i> , <b>2013</b> , 9, 327-32	1.5	51
289	Metal artefact reduction from dental hardware in carotid CT angiography using iterative reconstructions. <i>European Radiology</i> , <b>2013</b> , 23, 2687-94	8	51
288	Effect of decrease in heart rate variability on the diagnostic accuracy of 64-MDCT coronary angiography. <i>American Journal of Roentgenology</i> , <b>2008</b> , 190, 1583-90	5.4	51
287	Correlation between Dual-Energy and Perfusion CT in Patients with Hepatocellular Carcinoma. <i>Radiology</i> , <b>2016</b> , 280, 78-87	20.5	50
286	In-vivo flow simulation in coronary arteries based on computed tomography datasets: feasibility and initial results. <i>European Radiology</i> , <b>2007</b> , 17, 1291-300	8	50
285	Quantification of liver iron content with CT-added value of dual-energy. <i>European Radiology</i> , <b>2011</b> , 21, 1727-32	8	49

284	Whole-body CT in polytrauma patients: effect of arm positioning on thoracic and abdominal image quality. <i>Emergency Radiology</i> , <b>2011</b> , 18, 285-93	3	49
283	Low dose high-pitch spiral acquisition 128-slice dual-source computed tomography for the evaluation of coronary artery bypass graft patency. <i>Investigative Radiology</i> , <b>2010</b> , 45, 324-30	10.1	48
282	Whole-body CT-based imaging algorithm for multiple trauma patients: radiation dose and time to diagnosis. <i>British Journal of Radiology</i> , <b>2015</b> , 88, 20140616	3.4	47
281	Remodelling of the aortic root in severe tricuspid aortic stenosis: implications for transcatheter aortic valve implantation. <i>European Radiology</i> , <b>2009</b> , 19, 1316-23	8	47
280	Ultralow dose CT for pulmonary nodule detection with chest x-ray equivalent dose - a prospective intra-individual comparative study. <i>European Radiology</i> , <b>2017</b> , 27, 3290-3299	8	46
279	Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. <i>Europace</i> , <b>2018</b> , 20, e105-e114	3.9	46
278	Stenosis quantification in coronary CT angiography: impact of an integrated circuit detector with iterative reconstruction. <i>Investigative Radiology</i> , <b>2013</b> , 48, 32-40	10.1	46
277	Dual-source versus 64-section CT coronary angiography at lower heart rates: comparison of accuracy and radiation dose. <i>Radiology</i> , <b>2009</b> , 253, 56-64	20.5	46
276	Comparison of diagnostic accuracy of 64-slice computed tomography coronary angiography in patients with low, intermediate, and high cardiovascular risk. <i>Academic Radiology</i> , <b>2008</b> , 15, 452-61	4.3	46
275	Spontaneous otogenic intracerebral pneumocephalus: case report and review of the literature. <i>European Archives of Oto-Rhino-Laryngology</i> , <b>2005</b> , 262, 135-8	3.5	46
274	Automated tube potential selection for standard chest and abdominal CT in follow-up patients with testicular cancer: comparison with fixed tube potential. <i>European Radiology</i> , <b>2012</b> , 22, 1937-45	8	44
273	High-pitch dual-source CT coronary angiography: systolic data acquisition at high heart rates. <i>European Radiology</i> , <b>2010</b> , 20, 2565-71	8	44
272	Prospective and retrospective ECG-gating for CT coronary angiography perform similarly accurate at low heart rates. <i>European Journal of Radiology</i> , <b>2011</b> , 79, 85-91	4.7	43
271	Radiation dose of cardiac computed tomography - what has been achieved and what needs to be done. <i>European Radiology</i> , <b>2011</b> , 21, 505-9	8	43
270	Triple rule-out CT in patients with suspicion of acute pulmonary embolism: findings and accuracy. <i>Academic Radiology</i> , <b>2009</b> , 16, 708-17	4.3	43
269	Combining dual-source computed tomography coronary angiography and calcium scoring: added value for the assessment of coronary artery disease. <i>Heart</i> , <b>2008</b> , 94, 1154-61	5.1	42
268	Delayed enhancement imaging of myocardial viability: low-dose high-pitch CT versus MRI. <i>European Radiology</i> , <b>2011</b> , 21, 2091-9	8	41
267	Multislice computed tomography coronary angiography for risk stratification in patients with an intermediate pretest likelihood. <i>Heart</i> , <b>2009</b> , 95, 1607-11	5.1	41

266	Mitral annular shape, size, and motion in normals and in patients with cardiomyopathy: evaluation with computed tomography. <i>Investigative Radiology</i> , <b>2009</b> , 44, 218-25	10.1	41
265	Dynamic cine imaging of the mitral valve with 16-MDCT: a feasibility study. <i>American Journal of Roentgenology</i> , <b>2005</b> , 185, 636-46	5.4	41
264	CT Angiography of the Aorta: Prospective Evaluation of Individualized Low-Volume Contrast Media Protocols. <i>Radiology</i> , <b>2016</b> , 280, 960-8	20.5	40
263	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. <i>BMJ, The</i> , <b>2019</b> , 365, l1945	5.9	39
262	High-pitch coronary CT angiography with third generation dual-source CT: limits of heart rate. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 1173-9	2.5	39
261	Dual-source computed tomography in patients with acute chest pain: feasibility and image quality. <i>European Radiology</i> , <b>2007</b> , 17, 3179-88	8	39
260	Technical challenges of coronary CT angiography: today and tomorrow. <i>European Journal of Radiology</i> , <b>2011</b> , 79, 161-71	4.7	38
259	Accuracy and time efficiency for the detection of thoracic cage fractures: volume rendering compared with transverse computed tomography images. <i>Journal of Computer Assisted Tomography</i> , <b>2004</b> , 28, 378-85	2.2	37
258	Optimizing radiation dose by using advanced modelled iterative reconstruction in high-pitch coronary CT angiography. <i>European Radiology</i> , <b>2016</b> , 26, 459-68	8	36
257	Computed tomographic perfusion imaging for the prediction of response and survival to transarterial radioembolization of liver metastases. <i>Investigative Radiology</i> , <b>2013</b> , 48, 787-94	10.1	36
256	Radiation dose of cardiac CT--what is the evidence?. <i>European Radiology</i> , <b>2009</b> , 19, 1311-5	8	36
255	Performance of turbo high-pitch dual-source CT for coronary CT angiography: first ex vivo and patient experience. <i>European Radiology</i> , <b>2014</b> , 24, 1889-95	8	35
254	Differentiation of early from advanced coronary atherosclerotic lesions: systematic comparison of CT, intravascular US, and optical frequency domain imaging with histopathologic examination in ex vivo human hearts. <i>Radiology</i> , <b>2012</b> , 265, 393-401	20.5	35
253	Evaluation of pulmonary nodules and infection on chest CT with radiation dose equivalent to chest radiography: Prospective intra-individual comparison study to standard dose CT. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 360-5	4.7	35
252	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
251	Dual source CT coronary angiography in severely obese patients: trading off temporal resolution and image noise. <i>Investigative Radiology</i> , <b>2009</b> , 44, 720-7	10.1	34
250	Caseous calcification of the mitral annulus. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 129, 1438-40	1.5	34
249	Computed tomography of the lung in the high-pitch mode: is breath holding still required?. <i>Investigative Radiology</i> , <b>2011</b> , 46, 240-5	10.1	33



248	Scan length adjustment of CT coronary angiography using the calcium scoring scan: effect on radiation dose. <i>American Journal of Roentgenology</i> , <b>2010</b> , 194, W272-7	5.4	33
247	Automated attenuation-based kilovoltage selection: preliminary observations in patients after endovascular aneurysm repair of the abdominal aorta. <i>American Journal of Roentgenology</i> , <b>2012</b> , 199, W380-5	5.4	33
246	Somatotopy in the ipsilateral primary motor cortex. <i>NeuroReport</i> , <b>2002</b> , 13, 2065-70	1.7	33
245	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels: Tapping the Potential of a New Technology for Stent Imaging. <i>Investigative Radiology</i> , <b>2018</b> , 53, 486-494	10.1	33
244	Ex vivo evaluation of coronary atherosclerotic plaques: characterization with dual-source CT in comparison with histopathology. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2010</b> , 4, 301-8	2.8	32
243	Noise Texture Deviation: A Measure for Quantifying Artifacts in Computed Tomography Images With Iterative Reconstructions. <i>Investigative Radiology</i> , <b>2017</b> , 52, 87-94	10.1	31
242	Effect of automatic tube voltage selection on image quality and radiation dose in abdominal CT angiography of various body sizes: a phantom study. <i>Clinical Radiology</i> , <b>2013</b> , 68, e79-86	2.9	31
241	State of the art low-dose CT angiography of the body. <i>European Journal of Radiology</i> , <b>2011</b> , 80, 36-40	4.7	31
240	Time-effectiveness, observer-dependence, and accuracy of measurements of left ventricular ejection fraction using 4-channel MDCT. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2004</b> , 176, 529-37	2.3	31
239	Predictors of image quality in high-pitch coronary CT angiography. <i>American Journal of Roentgenology</i> , <b>2011</b> , 197, 851-8	5.4	30
238	Split-bolus dual-energy CT urography: protocol optimization and diagnostic performance for the detection of urinary stones. <i>Abdominal Imaging</i> , <b>2013</b> , 38, 1136-43		29
237	Dual-energy CT with tin filter technology for the discrimination of renal lesion proxies containing blood, protein, and contrast-agent. An experimental phantom study. <i>European Radiology</i> , <b>2011</b> , 21, 385-92		29
236	Accuracy of quantitative coronary angiography with computed tomography and its dependency on plaque composition: plaque composition and accuracy of cardiac CT. <i>International Journal of Cardiovascular Imaging</i> , <b>2008</b> , 24, 895-904	2.5	29
235	Modified Dual-Energy Algorithm for Calcified Plaque Removal: Evaluation in Carotid Computed Tomography Angiography and Comparison With Digital Subtraction Angiography. <i>Investigative Radiology</i> , <b>2017</b> , 52, 680-685	10.1	28
234	Computed high concentrations of low-density lipoprotein correlate with plaque locations in human coronary arteries. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 2466-71	2.9	28
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