Hatem Alkadhi

List of Publications by Year
in descending order

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388	18,213	13332	21843
papers	citations	70 h-index	118 g-index

401	401	401	12279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accuracy of MSCT coronary angiography with 64-slice technology: first experience. European Heart Journal, 2005, 26, 1482-1487.	1.0	904
2	Radiomics in medical imagingâ€"â€œhow-toâ€•guide and critical reflection. Insights Into Imaging, 2020, 11, 91.	1.6	599
3	Accuracy of dual-source CT coronary angiography: first experience in a high pre-test probability population without heart rate control. European Radiology, 2006, 16, 2739-2747.	2.3	395
4	Multislice Computed Tomography in Infective Endocarditis. Journal of the American College of Cardiology, 2009, 53, 436-444.	1.2	368
5	Prognostic Value of Multislice Computed Tomography and Gated Single-Photon Emission Computed Tomography in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2009, 53, 623-632.	1.2	308
6	Noninvasive Coronary Angiography with 64-Section CT: Effect of Average Heart Rate and Heart Rate Variability on Image Quality. Radiology, 2006, 241, 378-385.	3.6	298
7	Low kilovoltage cardiac dual-source CT: attenuation, noise, and radiation dose. European Radiology, 2008, 18, 1809-1817.	2.3	275
8	Low-dose CT coronary angiography in the step-and-shoot mode: diagnostic performance. Heart, 2008, 94, 1132-1137.	1.2	263
9	Dual-Source CT in Step-and-Shoot Mode: Noninvasive Coronary Angiography with Low Radiation Dose¹. Radiology, 2008, 249, 71-80.	3.6	254
10	Raw data-based iterative reconstruction in body CTA: evaluation of radiation dose saving potential. European Radiology, 2011, 21, 2521-2526.	2.3	223
11	Endoleaks after Endovascular Abdominal Aortic Aneurysm Repair: Detection with Dual-Energy Dual-Source CT. Radiology, 2008, 249, 682-691.	3.6	207
12	Ultralow-Dose Chest Computed Tomography for Pulmonary Nodule Detection. Investigative Radiology, 2014, 49, 465-473.	3.5	206
13	Functionally Relevant Coronary Artery Disease: Comparison of 64-Section CT Angiography with Myocardial Perfusion SPECT. Radiology, 2008, 248, 414-423.	3.6	202
14	Cardiac Image Fusion from Stand-Alone SPECT and CT: Clinical Experience. Journal of Nuclear Medicine, 2007, 48, 696-703.	2.8	201
15	Radiation dose estimates in dual-source computed tomography coronary angiography. European Radiology, 2008, 18, 592-599.	2.3	194
16	Diagnostic accuracy of high-pitch dual-source CT for the assessment of coronary stenoses: first experience. European Radiology, 2009, 19, 2896-2903.	2.3	180
17	Coronary Artery Motion and Cardiac Phases: Dependency on Heart Rateâ€"Implications for CT Image Reconstruction. Radiology, 2007, 245, 567-576.	3.6	169
18	Dual-Source CT Coronary Angiography: Image Quality, Mean Heart Rate, and Heart Rate Variability. American Journal of Roentgenology, 2007, 189, 567-573.	1.0	169

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19	What Disconnection Tells about Motor Imagery: Evidence from Paraplegic Patients. Cerebral Cortex, 2005, 15, 131-140.	1.6	162
20	Image Quality and Reconstruction Intervals of Dual-Source CT Coronary Angiography. Investigative Radiology, 2007, 42, 543-549.	3.5	162
21	Dual-source computed tomography coronary angiography: influence of obesity, calcium load, and heart rate on diagnostic accuracy. European Heart Journal, 2008, 29, 766-776.	1.0	161
22	Automated Attenuation-Based Tube Potential Selection for Thoracoabdominal Computed Tomography Angiography. Investigative Radiology, 2011, 46, 767-773.	3.5	159
23	Low-dose, 128-slice, dual-source CT coronary angiography: accuracy and radiation dose of the high-pitch and the step-and-shoot mode. Heart, 2010, 96, 933-938.	1.2	158
24	Dual- and multi-energy CT: approach to functional imaging. Insights Into Imaging, 2011, 2, 149-159.	1.6	155
25	Meta-analysis: Diagnostic Performance of Low-Radiation-Dose Coronary Computed Tomography Angiography. Annals of Internal Medicine, 2011, 154, 413.	2.0	152
26	Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. Radiology, 2018, 286, 103-112.	3.6	151
27	Adenosine Stress High-Pitch 128-Slice Dual-Source Myocardial Computed Tomography Perfusion for Imaging of Reversible Myocardial Ischemia. Circulation: Cardiovascular Imaging, 2011, 4, 540-549.	1.3	146
28	Metallic artefact reduction with monoenergetic dual-energy CT: systematic ex vivo evaluation of posterior spinal fusion implants from various vendors and different spine levels. European Radiology, 2012, 22, 2357-2364.	2.3	146
29	Reduction of Metal Artifacts from Hip Prostheses on CT Images of the Pelvis: Value of Iterative Reconstructions. Radiology, 2013, 268, 237-244.	3.6	144
30	Pre- and Postoperative Evaluation of Congenital Heart Disease in Children and Adults with 64-Section CT. Radiographics, 2007, 27, 829-846.	1.4	142
31	Validation of a new cardiac image fusion software for three-dimensional integration of myocardial perfusion SPECT and stand-alone 64-slice CT angiography. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1097-1106.	3.3	140
32	Cinematic rendering â€“ an alternative to volume rendering for 3D computed tomography imaging. Insights Into Imaging, 2016, 7, 849-856.	1.6	140
33	Coronary 64-slice CT angiography predicts outcome in patients with known or suspected coronary artery disease. European Radiology, 2008, 18, 1162-1173.	2.3	135
34	Low-dose CT of the lung: potential value of iterative reconstructions. European Radiology, 2012, 22, 2597-2606.	2.3	133
35	Evolution in Computed Tomography. Investigative Radiology, 2015, 50, 629-644.	3.5	128
36	Diagnostic Performance of Dual-Energy CT for the Detection of Traumatic Bone Marrow Lesions in the Ankle: Comparison with MR Imaging. Radiology, 2012, 264, 164-173.	3.6	127

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37	Accuracy of 64-slice CT angiography for the detection of functionally relevant coronary stenoses as assessed with myocardial perfusion SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1162-1171.	3.3	125
38	Left atrial appendage clip occlusion: Early clinical results. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1269-1274.	0.4	121
39	Optimal image reconstruction intervals for non-invasive coronary angiography with 64-slice CT. European Radiology, 2006, 16, 1964-1972.	2.3	118
40	Dual-Energy Contrast-Enhanced Computed Tomography for the Detection of Urinary Stone Disease. Investigative Radiology, 2007, 42, 823-829.	3.5	115
41	Acute gastrointestinal bleeding: detection of source and etiology with multi-detector-row CT. European Radiology, 2007, 17, 1555-1565.	2.3	114
42	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. European Journal of Cardio-thoracic Surgery, 2014, 45, 126-131.	0.6	114
43	Reproducibility of primary motor cortex somatotopy under controlled conditions. American Journal of Neuroradiology, 2002, 23, 1524-32.	1.2	114
44	Plasticity of the human motor cortex in patients with arteriovenous malformations: a functional MR imaging study. American Journal of Neuroradiology, 2000, 21, 1423-33.	1.2	113
45	Texture Analysis and Machine Learning for Detecting Myocardial Infarction in Noncontrast Low-Dose Computed Tomography. Investigative Radiology, 2018, 53, 338-343.	3.5	110
46	Aortic Stenosis: Comparative Evaluation of 16â€“Detector Row CT and Echocardiography. Radiology, 2006, 240, 47-55.	3.6	108
47	Mitral Regurgitation: Quantification with 16â€“Detector Row CTâ€”Initial Experience. Radiology, 2006, 238, 454-463.	3.6	105
48	Dual-energy computed tomography for the differentiation of uric acid stones: ex vivo performance evaluation. Urological Research, 2008, 36, 133-138.	1.5	104
49	Radiation dose of cardiac dual-source CT: The effect of tailoring the protocol to patient-specific parameters. European Journal of Radiology, 2008, 68, 385-391.	1.2	104
50	Aortic Valve Replacement Through a Minimally Invasive Approach: Preoperative Planning, Surgical Technique, and Outcome. Annals of Thoracic Surgery, 2009, 88, 1851-1856.	0.7	103
51	Mcleod syndrome: A novel mutation, predominant psychiatric manifestations, and distinct striatal imaging findings. Annals of Neurology, 2001, 49, 384-392.	2.8	99
52	Aortic Regurgitation: Assessment with 64-Section CT. Radiology, 2007, 245, 111-121.	3.6	99
53	In vivo identification of uric acid stones with dual-energy CT: diagnostic performance evaluation in patients. Abdominal Imaging, 2010, 35, 629-635.	2.0	99
54	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. BMJ: British Medical Journal, 2019, 365, l1945.	2.4	99

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55	Vascular Emergencies of the Thorax after Blunt and Iatrogenic Trauma: Multiâ€“Detector Row CT and Three-dimensional Imaging. Radiographics, 2004, 24, 1239-1255.	1.4	98
56	Texture analysis and machine learning of non-contrast T1-weighted MR images in patients with hypertrophic cardiomyopathyâ€”Preliminary results. European Journal of Radiology, 2018, 102, 61-67.	1.2	97
57	Myocardial Bridging: Depiction Rate and Morphology at CT Coronary Angiographyâ€”Comparison with Conventional Coronary Angiography. Radiology, 2008, 246, 754-762.	3.6	95
58	Choosing the optimal wall shear parameter for the prediction of plaque locationâ€”A patient-specific computational study in human left coronary arteries. Atherosclerosis, 2012, 221, 432-437.	0.4	92
59	Photon-Counting CT. Investigative Radiology, 2018, 53, 143-149.	3.5	91
60	Patient-specific three-dimensional simulation of LDL accumulation in a human left coronary artery in its healthy and atherosclerotic states. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1969-H1982.	1.5	90
61	Characterization of Urinary Stones With Dual-Energy CT. Investigative Radiology, 2010, 45, 1-6.	3.5	90
62	High-Pitch Dual-Source CT Angiography of the Thoracic and Abdominal Aorta: Is Simultaneous Coronary Artery Assessment Possible?. American Journal of Roentgenology, 2010, 194, 938-944.	1.0	90
63	Choosing the optimal wall shear parameter for the prediction of plaque locationâ€”A patient-specific computational study in human right coronary arteries. Atherosclerosis, 2010, 211, 445-450.	0.4	89
64	Accuracy of 64-Slice Computed Tomography for the Preoperative Detection of Coronary Artery Disease in Patients With Chronic Aortic Regurgitation. American Journal of Cardiology, 2007, 100, 701-706.	0.7	85
65	Cardiac CT Angiography for the Diagnosis of Mitral Valve Prolapse: Comparison with Echocardiography<sup />. Radiology, 2010, 254, 374-383.	3.6	83
66	High-Pitch Photon-Counting Detector Computed Tomography Angiography of the Aorta. Investigative Radiology, 2022, 57, 115-121.	3.5	83
67	Left Ventricular and Left Atrial Dimensions and Volumes. Investigative Radiology, 2008, 43, 284-289.	3.5	80
68	Dual-Energy CT for Characterization of the Incidental Adrenal Mass: Preliminary Observations. American Journal of Roentgenology, 2012, 198, 138-144.	1.0	78
69	Metal Artifact Reduction in Pelvic Computed Tomography With Hip Prostheses. Investigative Radiology, 2015, 50, 828-834.	3.5	75
70	Multi-detector computed tomography of acute abdomen. European Radiology, 2005, 15, 2435-2447.	2.3	74
71	Advanced virtual monoenergetic images: improving the contrast of dual-energy CT pulmonary angiography. Clinical Radiology, 2015, 70, 1244-1251.	0.5	72
72	Ultra-High-Resolution Coronary CT Angiography With Photon-Counting Detector CT. Investigative Radiology, 2022, 57, 780-788.	3.5	72

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73	Quantitative Computed Tomography Liver Perfusion Imaging Using Dynamic Spiral Scanning With Variable Pitch. Investigative Radiology, 2010, 45, 419-426.	3.5	71
74	Coronary CT angiography and myocardial perfusion imaging to detect flow-limiting stenoses: a potential gatekeeper for coronary revascularization?. European Heart Journal, 2009, 30, 2921-2929.	1.0	70
75	Ultralow dose CT for pulmonary nodule detection with chest x-ray equivalent dose â€“ a prospective intra-individual comparative study. European Radiology, 2017, 27, 3290-3299.	2.3	70
76	Reference values for quantitative left ventricular and left atrial measurements in cardiac computed tomography. European Radiology, 2008, 18, 1625-1634.	2.3	68
77	Triple rule-out CT in the emergency department: protocols and spectrum of imaging findings. European Radiology, 2009, 19, 789-799.	2.3	68
78	Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. Europace, 2018, 20, e105-e114.	0.7	68
79	Influence of cardiac hemodynamic parameters on coronary artery opacification with 64-slice computed tomography. European Radiology, 2006, 16, 1111-1116.	2.3	65
80	Influence of Calcifications on Diagnostic Accuracy of Coronary CT Angiography Using Prospective ECG Triggering. American Journal of Roentgenology, 2008, 191, 1684-1689.	1.0	65
81	Cardiac CT for the Differentiation of Bicuspid and Tricuspid Aortic Valves: Comparison With Echocardiography and Surgery. American Journal of Roentgenology, 2010, 195, 900-908.	1.0	65
82	Correlation between Dual-Energy and Perfusion CT in Patients with Hepatocellular Carcinoma. Radiology, 2016, 280, 78-87.	3.6	65
83	Advanced modelled iterative reconstruction for abdominal CT: Qualitative and quantitative evaluation. Clinical Radiology, 2014, 69, e497-e504.	0.5	64
84	High-pitch dual-source CT angiography of the aortic valve-aortic root complex without ECG-synchronization. European Radiology, 2011, 21, 205-212.	2.3	63
85	Whole-body CT in polytrauma patients: effect of arm positioning on thoracic and abdominal image quality. Emergency Radiology, 2011, 18, 285-293.	1.0	63
86	Contrast-Enhanced Abdominal CT with Clinical Photon-Counting Detector CT: Assessment of Image Quality and Comparison with Energy-Integrating Detector CT. Academic Radiology, 2022, 29, 689-697.	1.3	63
87	Quantification of liver iron content with CTâ€"added value of dual-energy. European Radiology, 2011, 21, 1727-1732.	2.3	62
88	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. European Radiology, 2010, 20, 2092-2099.	2.3	61
89	MRI in tick-borne encephalitis. Neuroradiology, 2000, 42, 753-755.	1.1	60
90	Computed tomography of the spleen: how to interpret the hypodense lesion. Insights Into Imaging, 2013, 4, 65-76.	1.6	60

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91	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels. Investigative Radiology, 2018, 53, 486-494.	3.5	60
92	Performance of Dual-Energy CT with Tin Filter Technology for the Discrimination of Renal Cysts and Enhancing Masses. Academic Radiology, 2010, 17, 526-534.	1.3	59
93	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. Radiotherapy and Oncology, 2020, 152, 203-207.	0.3	59
94	Low Kilovoltage CT of the Neck with 70 kVp: Comparison with a Standard Protocol. American Journal of Neuroradiology, 2012, 33, 1014-1019.	1.2	58
95	In-vivo flow simulation in coronary arteries based on computed tomography datasets: feasibility and initial results. European Radiology, 2007, 17, 1291-1300.	2.3	57
96	Whole-body CT-based imaging algorithm for multiple trauma patients: radiation dose and time to diagnosis. British Journal of Radiology, 2015, 88, 20140616.	1.0	57
97	Effect of Decrease in Heart Rate Variability on the Diagnostic Accuracy of 64-MDCT Coronary Angiography. American Journal of Roentgenology, 2008, 190, 1583-1590.	1.0	55
98	Monoenergetic computed tomography reconstructions reduce beam hardening artifacts from dental restorations. Forensic Science, Medicine, and Pathology, 2013, 9, 327-332.	0.6	55
99	Metal artefact reduction from dental hardware in carotid CT angiography using iterative reconstructions. European Radiology, 2013, 23, 2687-2694.	2.3	55
100	Prospective and retrospective ECG-gating for CT coronary angiography perform similarly accurate at low heart rates. European Journal of Radiology, 2011, 79, 85-91.	1.2	54
101	Quantum Iterative Reconstruction for Abdominal Photon-counting Detector CT Improves Image Quality. Radiology, 2022, 303, 339-348.	3.6	54
102	Remodelling of the aortic root in severe tricuspid aortic stenosis: implications for transcatheter aortic valve implantation. European Radiology, 2009, 19, 1316-1323.	2.3	53
103	Comparison of Diagnostic Accuracy of 64-Slice Computed Tomography Coronary Angiography in Patients with Low, Intermediate, and High Cardiovascular Risk. Academic Radiology, 2008, 15, 452-461.	1.3	52
104	Spontaneous otogenic intracerebral pneumocephalus: case report and review of the literature. European Archives of Oto-Rhino-Laryngology, 2005, 262, 135-138.	0.8	51
105	Combining dual-source computed tomography coronary angiography and calcium scoring: added value for the assessment of coronary artery disease. Heart, 2008, 94, 1154-1161.	1.2	51
106	Dual-Source versus 64-Section CT Coronary Angiography at Lower Heart Rates: Comparison of Accuracy and Radiation Dose. Radiology, 2009, 253, 56-64.	3.6	51
107	High-pitch dual-source CT coronary angiography: systolic data acquisition at high heart rates. European Radiology, 2010, 20, 2565-2571.	2.3	51
108	Triple Rule-Out CT in Patients with Suspicion of Acute Pulmonary Embolism. Academic Radiology, 2009, 16, 708-717.	1.3	50

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109	Mitral Annular Shape, Size, and Motion in Normals and in Patients With Cardiomyopathy. Investigative Radiology, 2009, 44, 218-225.	3.5	50
110	Low Dose High-Pitch Spiral Acquisition 128-Slice Dual-Source Computed Tomography for the Evaluation of Coronary Artery Bypass Graft Patency. Investigative Radiology, 2010, 45, 324-330.	3.5	50
111	Radiation dose of cardiac computed tomography â€“ what has been achieved and what needs to be done. European Radiology, 2011, 21, 505-509.	2.3	50
112	Modified Dual-Energy Algorithm for Calcified Plaque Removal. Investigative Radiology, 2017, 52, 680-685.	3.5	50
113	MRI and CT in the diagnosis of coronary artery disease: indications and applications. Insights Into Imaging, 2011, 2, 9-24.	1.6	49
114	Automated tube potential selection for standard chest and abdominal CT in follow-up patients with testicular cancer: comparison with fixed tube potential. European Radiology, 2012, 22, 1937-1945.	2.3	49
115	Caseous calcification of the mitral annulus. Journal of Thoracic and Cardiovascular Surgery, 2005, 129, 1438-1440.	0.4	48
116	Dynamic Cine Imaging of the Mitral Valve with 16-MDCT: A Feasibility Study. American Journal of Roentgenology, 2005, 185, 636-646.	1.0	48
117	Multislice computed tomography coronary angiography for risk stratification in patients with an intermediate pretest likelihood. Heart, 2009, 95, 1607-1611.	1.2	48
118	Scan Length Adjustment of CT Coronary Angiography Using the Calcium Scoring Scan: Effect on Radiation Dose. American Journal of Roentgenology, 2010, 194, W272-W277.	1.0	48
119	Stenosis Quantification in Coronary CT Angiography. Investigative Radiology, 2013, 48, 32-40.	3.5	48
120	CT Angiography of the Aorta: Prospective Evaluation of Individualized Low-Volume Contrast Media Protocols. Radiology, 2016, 280, 960-968.	3.6	48
121	Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. Investigative Radiology, 2022, 57, 399-405.	3.5	47
122	Delayed enhancement imaging of myocardial viability: low-dose high-pitch CT versus MRI. European Radiology, 2011, 21, 2091-2099.	2.3	46
123	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. European Journal of Radiology, 2016, 85, 360-365.	1.2	46
124	The Future of Computed Tomography. Investigative Radiology, 2020, 55, 545-555.	3.5	46
125	Accuracy and Time Efficiency for the Detection of Thoracic Cage Fractures. Journal of Computer Assisted Tomography, 2004, 28, 378-385.	0.5	45
126	Dual-source computed tomography in patients with acute chest pain: feasibility and image quality. European Radiology, 2007, 17, 3179-3188.	2.3	45

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127	Technical challenges of coronary CT angiography: Today and tomorrow. European Journal of Radiology, 2011, 79, 161-171.	1.2	45
128	High-pitch coronary CT angiography with third generation dual-source CT: limits of heart rate. International Journal of Cardiovascular Imaging, 2014, 30, 1173-1179.	0.7	45
129	Performance of turbo high-pitch dual-source CT for coronary CT angiography: first ex vivo and patient experience. European Radiology, 2014, 24, 1889-1895.	2.3	43
130	Optimizing radiation dose by using advanced modelled iterative reconstruction in high-pitch coronary CT angiography. European Radiology, 2016, 26, 459-468.	2.3	43
131	The potential of machine learning to predict postoperative pancreatic fistula based on preoperative, non-contrast-enhanced CT: A proof-of-principle study. Surgery, 2020, 167, 448-454.	1.0	43
132	Time-effectiveness, Observer-dependence, and Accuracy of Measurements of Left Ventricular Ejection Fraction Using 4-channel MDCT. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2004, 176, 529-537.	0.7	42
133	Computed Tomographic Perfusion Imaging for the Prediction of Response and Survival to Transarterial Radioembolization of Liver Metastases. Investigative Radiology, 2013, 48, 787-794.	3.5	42
134	First Performance Evaluation of an Artificial Intelligence-Based Computer-Aided Detection System for Pulmonary Nodule Evaluation in Dual-Source Photon-Counting Detector CT at Different Low-Dose Levels. Investigative Radiology, 2022, 57, 108-114.	3.5	41
135	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. Radiology, 2012, 265, 393-401.	3.6	40
136	Noise Texture Deviation. Investigative Radiology, 2017, 52, 87-94.	3.5	40
137	Radiation dose of cardiac CTâ€"what is the evidence?. European Radiology, 2009, 19, 1311-1315.	2.3	38
138	Dual Source CT Coronary Angiography in Severely Obese Patients. Investigative Radiology, 2009, 44, 720-727.	3.5	38
139	State of the art low-dose CT angiography of the body. European Journal of Radiology, 2011, 80, 36-40.	1.2	38
140	Computed Tomography of the Lung in the High-Pitch Mode. Investigative Radiology, 2011, 46, 240-245.	3.5	38
141	Effect of automatic tube voltage selection on image quality and radiation dose in abdominal CT angiography of various body sizes: A phantom study. Clinical Radiology, 2013, 68, e79-e86.	0.5	38
142	Three-Dimensional Texture Analysis with Machine Learning Provides Incremental Predictive Information for Successful Shock Wave Lithotripsy in Patients with Kidney Stones. Journal of Urology, 2018, 200, 829-836.	0.2	38
143	Coronary Calcium Scoring with First Generation Dual-Source Photon-Counting CTâ€"First Evidence from Phantom and In-Vivo Scans. Diagnostics, 2021, 11, 1708.	1.3	38
144	Predictors of Image Quality in High-Pitch Coronary CT Angiography. American Journal of Roentgenology, 2011, 197, 851-858.	1.0	37

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145	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 75-87.	2.3	37
146	Texture analysis of acute myocardial infarction with CT: First experience study. PLoS ONE, 2017, 12, e0186876.	1.1	37
147	Somatotopy in the ipsilateral primary motor cortex. NeuroReport, 2002, 13, 2065-2070.	0.6	36
148	Ex vivo evaluation of coronary atherosclerotic plaques: Characterization with dual-source CT in comparison with histopathology. Journal of Cardiovascular Computed Tomography, 2010, 4, 301-308.	0.7	36
149	Ultralow-dose CT with tin filtration for detection of solid and sub solid pulmonary nodules: a phantom study. British Journal of Radiology, 2015, 88, 20150389.	1.0	36
150	Computer-aided detection (CAD) of solid pulmonary nodules in chest x-ray equivalent ultralow dose chest CT - first in-vivo results at dose levels of 0.13 mSv. European Journal of Radiology, 2016, 85, 2217-2224.	1.2	36
151	Vertical offâ€centering affects organ dose in chest <scp>CT</scp>: Evidence from Monte Carlo simulations in anthropomorphic phantoms. Medical Physics, 2017, 44, 5697-5704.	1.6	35
152	Coronary artery imaging with 64-slice computed tomography from cardiac surgical perspectiveâ˜†. European Journal of Cardio-thoracic Surgery, 2006, 30, 109-116.	0.6	34
153	Automated Attenuation-Based Kilovoltage Selection: Preliminary Observations in Patients After Endovascular Aneurysm Repair of the Abdominal Aorta. American Journal of Roentgenology, 2012, 199, W380-W385.	1.0	34
154	Flow and wall shear stress in end-to-side and side-to-side anastomosis of venous coronary artery bypass grafts. BioMedical Engineering OnLine, 2007, 6, 35.	1.3	33
155	Accuracy of quantitative coronary angiography with computed tomography and its dependency on plaque composition. International Journal of Cardiovascular Imaging, 2008, 24, 895-904.	0.7	33
156	Dual-energy CT with tin filter technology for the discrimination of renal lesion proxies containing blood, protein, and contrast-agent. An experimental phantom study. European Radiology, 2011, 21, 385-392.	2.3	33
157	Quantum Iterative Reconstruction for Low-Dose Ultra-High-Resolution Photon-Counting Detector CT of the Lung. Diagnostics, 2022, 12, 522.	1.3	33
158	Long-term follow-up, computed tomography, and computational fluid dynamics of the Cabrol procedure. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1602-1608.	0.4	32
159	Split-bolus dual-energy CT urography: protocol optimization and diagnostic performance for the detection of urinary stones. Abdominal Imaging, 2013, 38, 1136-1143.	2.0	32
160	Osteogenesis imperfecta of the temporal bone: CT and MR imaging in Van der Hoeve-de Kleyn syndrome. American Journal of Neuroradiology, 2004, 25, 1106-9.	1.2	32
161	Coronary artery stent geometry and in-stent contrast attenuation with 64-slice computed tomography. European Radiology, 2007, 17, 1464-1473.	2.3	31
162	Computed high concentrations of low-density lipoprotein correlate with plaque locations in human coronary arteries. Journal of Biomechanics, 2011, 44, 2466-2471.	0.9	31

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163	CT metal artefact reduction for internal fixation of the proximal humerus: Value of mono-energetic extrapolation from dual-energy and iterative reconstructions. Clinical Radiology, 2014, 69, e199-e206.	0.5	31
164	Combining monoenergetic extrapolations from dual-energy CT with iterative reconstructions: reduction of coil and clip artifacts from intracranial aneurysm therapy. Neuroradiology, 2018, 60, 281-291.	1.1	31
165	Evaluation of topography and vascularization of cervical paragangliomas by magnetic resonance imaging and color duplex sonography. Neuroradiology, 2002, 44, 83-90.	1.1	30
166	Ex vivo and in vivo coronary ostial locations in humans. Surgical and Radiologic Anatomy, 2009, 31, 597-604.	0.6	29
167	Effect of reader experience on variability, evaluation time and accuracy of coronary plaque detection with computed tomography coronary angiography. European Radiology, 2010, 20, 1599-1606.	2.3	29
168	Gouty arthritis: the diagnostic and therapeutic impact of dual-energy CT. European Radiology, 2016, 26, 3989-3999.	2.3	29
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