

Hatem Alkadhi

List of Publications by Year in descending order

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Version: 2024-02-01

388
papers

18,213
citations

13332

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21843

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docs citations

401
times ranked

12279
citing authors

#	ARTICLE	IF	CITATIONS
1	Liver Iodine Quantification With Photon-Counting Detector CT: Accuracy in an Abdominal Phantom and Feasibility in Patients. <i>Academic Radiology</i> , 2023, 30, 461-469.	1.3	10
2	Virtual monoenergetic images from dual-energy CT: systematic assessment of task-based image quality performance. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 726-741.	1.1	11
3	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. <i>Investigative Radiology</i> , 2022, 57, 108-114.	3.5	41
4	Routine early postoperative computed tomography angiography after coronary artery bypass surgery: clinical value and management implications. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 459-466.	0.6	4
5	Contrast-Enhanced Abdominal CT with Clinical Photon-Counting Detector CT: Assessment of Image Quality and Comparison with Energy-Integrating Detector CT. <i>Academic Radiology</i> , 2022, 29, 689-697.	1.3	63
6	High-Pitch Photon-Counting Detector Computed Tomography Angiography of the Aorta. <i>Investigative Radiology</i> , 2022, 57, 115-121.	3.5	83
7	Radiomics for detecting prostate cancer bone metastases invisible in CT: a proof-of-concept study. <i>European Radiology</i> , 2022, 32, 1823-1832.	2.3	17
8	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 75-87.	2.3	37
9	Tube voltage-independent coronary calcium scoring on a first-generation dual-source photon-counting CT: a proof-of-principle phantom study. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 905-912.	0.7	13
10	Impact of Contrast Enhancement and Virtual Monoenergetic Image Energy Levels on Emphysema Quantification. <i>Investigative Radiology</i> , 2022, 57, 359-365.	3.5	20
11	Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. <i>Investigative Radiology</i> , 2022, 57, 399-405.	3.5	47
12	Pneumatosis intestinalis in abdominal CT: predictors of short-term mortality in patients with clinical suspicion of mesenteric ischemia. <i>Abdominal Radiology</i> , 2022, 47, 1625-1635.	1.0	4
13	Quantum Iterative Reconstruction for Abdominal Photon-counting Detector CT Improves Image Quality. <i>Radiology</i> , 2022, 303, 339-348.	3.6	54
14	Virtual Noncontrast Imaging of the Liver Using Photon-Counting Detector Computed Tomography. <i>Investigative Radiology</i> , 2022, 57, 488-493.	3.5	24
15	Photon-counting computed tomography for the diagnosis of myocardial infarction with non-obstructive coronary artery disease. <i>European Heart Journal - Case Reports</i> , 2022, 6, ytac028.	0.3	3
16	Quantum Iterative Reconstruction for Low-Dose Ultra-High-Resolution Photon-Counting Detector CT of the Lung. <i>Diagnostics</i> , 2022, 12, 522.	1.3	33
17	Epicardial Adipose Tissue Attenuation and Fat Attenuation Index: Phantom Study and In Vivo Measurements With Photon-Counting Detector CT. <i>American Journal of Roentgenology</i> , 2022, 218, 822-829.	1.0	20
18	Impact of myocardial injury on regional left ventricular function in the course of acute myocarditis with preserved ejection fraction: insights from segmental feature tracking strain analysis using cine cardiac MRI. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1851-1861.	0.2	1

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19	Diagnosis of acute heart failure in CT pulmonary angiography: feasibility and accuracy. <i>European Radiology</i> , 2022, , 1.	2.3	3
20	Simplified image acquisition and detection of ischemic and non-ischemic myocardial fibrosis with fixed short inversion time magnetic resonance late gadolinium enhancement. <i>British Journal of Radiology</i> , 2022, 95, 20210966.	1.0	1
21	Performance of virtual non-contrast images generated on clinical photon-counting detector CT for emphysema quantification: proof of concept. <i>British Journal of Radiology</i> , 2022, 95, 20211367.	1.0	16
22	Computed tomography angiography versus Agatston score for diagnosis of coronary artery disease in patients with stable chest pain: individual patient data meta-analysis of the international COME-CCT Consortium. <i>European Radiology</i> , 2022, 32, 5233-5245.	2.3	6
23	Segmental strain for scar detection in acute myocardial infarcts and in follow-up exams using non-contrast CMR cine sequences. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 226.	0.7	6
24	Parametric mapping CMR for the measurement of inflammatory reactions of the pericardium. <i>Open Heart</i> , 2022, 9, e001919.	0.9	1
25	Prognostic factors in patients with acute mesenteric ischemia â€“ a novel tool for determining patient outcomes. <i>British Journal of Surgery</i> , 2022, 109, .	0.1	0
26	Ultra-High-Resolution Coronary CT Angiography With Photon-Counting Detector CT. <i>Investigative Radiology</i> , 2022, 57, 780-788.	3.5	72
27	Acute Pulmonary Embolism in COVID-19: A Potential Connection between Venous Congestion and Thrombus Distribution. <i>Biomedicines</i> , 2022, 10, 1300.	1.4	3
28	Virtual Noncontrast Abdominal Imaging with Photon-counting Detector CT. <i>Radiology</i> , 2022, 305, 107-115.	3.6	24
29	Third-Generation Cardiovascular Phantom. <i>Investigative Radiology</i> , 2022, 57, 834-840.	3.5	5
30	Organ-based tube current modulation and bismuth eye shielding in pediatric head computed tomography. <i>Pediatric Radiology</i> , 2022, 52, 2584-2594.	1.1	4
31	Dual-Energy CT-Based Iodine Quantification in Liver Tumors â€“ Impact of Scan-, Patient-, and Position-Related Factors. <i>Academic Radiology</i> , 2021, 28, 783-789.	1.3	5
32	Plaques, stenosis and subtended myocardial Mass: CT crosses the bridge from morphology to function. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 46-47.	0.7	1
33	Bone Mineral Density Quantification from Localizer Radiographs: Accuracy and Precision of Energy-integrating Detector CT and Photon-counting Detector CT. <i>Radiology</i> , 2021, 298, 147-152.	3.6	18
34	Low-dose dual-energy CT for stone characterization: a systematic comparison of two generations of split-filter single-source and dual-source dual-energy CT. <i>Abdominal Radiology</i> , 2021, 46, 2079-2089.	1.0	9
35	Comparison of 3D and 2D late gadolinium enhancement magnetic resonance imaging in patients with acute and chronic myocarditis. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 305-313.	0.7	2
36	Mitral annular calcification in the elderly â€“ Quantitative assessment. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 161-166.	0.7	12

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37	3D whole heart imaging in severe funnel chest and non-compaction cardiomyopathy. International Journal of Cardiovascular Imaging, 2021, 37, 633-634.	0.7	1
38	Prediction of treatment response to transarterial radioembolization of liver metastases: Radiomics analysis of pre-treatment cone-beam CT: A proof of concept study. European Journal of Radiology Open, 2021, 8, 100375.	0.7	11
39	Mitral annular disjunction in patients with severe aortic stenosis: Extent and reproducibility of measurements with computed tomography. European Journal of Radiology Open, 2021, 8, 100335.	0.7	8
40	Vascular Abnormalities Detected with Chest CT in COVID-19: Spectrum, Association with Parenchymal Lesions, Cardiac Changes, and Correlation with Clinical Severity (COVID-CAVA Study). Diagnostics, 2021, 11, 606.	1.3	3
41	Photon-Counting Multienergy Computed Tomography With Spectrally Optimized Contrast Media for Plaque Removal and Stenosis Assessment. Investigative Radiology, 2021, 56, 563-570.	3.5	23
42	Assessment of Bone Mineral Density From a Computed Tomography Topogram of Photon-Counting Detector Computed Tomography—Effect of Phantom Size and Tube Voltage. Investigative Radiology, 2021, 56, 614-620.	3.5	6
43	Accidental finding of 2 giant coronary button aneurysms 23 years after composite graft replacement. European Journal of Cardio-thoracic Surgery, 2021, 60, 1000.	0.6	0
44	Comparison of ultrasound speed-of-sound of the lower extremity and lumbar muscle assessed with computed tomography for muscle loss assessment. Medicine (United States), 2021, 100, e25947.	0.4	4
45	Value of cardiac magnetic resonance imaging derived spectral myocardial strain pattern for non-invasive diagnosis of myocarditis. European Heart Journal Cardiovascular Imaging, 2021, 22, .	0.5	0
46	Segmental strain analysis for the detection of chronic ischemic scars in non-contrast cardiac MRI cine images. Scientific Reports, 2021, 11, 12376.	1.6	13
47	Accuracy of dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease in patients with reduced ejection fraction. Imaging, 2021, 13, 61-68.	0.3	0
48	Coronary Calcium Scoring with First Generation Dual-Source Photon-Counting CT—First Evidence from Phantom and In-Vivo Scans. Diagnostics, 2021, 11, 1708.	1.3	38
49	Virtual Monoenergetic Images of Dual-Energy CT—Impact on Repeatability, Reproducibility, and Classification in Radiomics. Cancers, 2021, 13, 4710.	1.7	14
50	Incremental Prognostic Value of Coronary Artery Calcium Score for Predicting All-Cause Mortality after Transcatheter Aortic Valve Replacement. Radiology, 2021, 301, 105-112.	3.6	13
51	Fusion of Preinterventional MR Imaging With Liver Perfusion CT After RFA of Hepatocellular Carcinoma. Investigative Radiology, 2021, 56, 188-196.	3.5	10
52	Computed Tomography Angiography of the Aorta—Optimization of Automatic Tube Voltage Selection Settings to Reduce Radiation Dose or Contrast Medium in a Prospective Randomized Trial. Investigative Radiology, 2021, 56, 283-291.	3.5	11
53	Iatrogenic Aortic Root Injury from Coronary Interventions: Early and Follow-up CT Imaging Findings. Radiology: Cardiothoracic Imaging, 2021, 3, e210241.	0.9	3
54	Chest X-ray Dose Equivalent Low-dose CT with Tin Filtration: Potential Role for the Assessment of Pectus Excavatum. Academic Radiology, 2020, 27, 644-650.	1.3	4

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55	Dual-Energy Low-keV or Single-Energy Low-kV CT for Endoleak Detection?. Investigative Radiology, 2020, 55, 45-52.	3.5	15
56	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
57	Amphetamine-induced coronary artery dissection and massive aortic valve thrombus. European Heart Journal, 2020, 41, 230-230.	1.0	4
58	Machine learning-based CT fractional flow reserve assessment in acute chest pain: first experience. Cardiovascular Diagnosis and Therapy, 2020, 10, 820-830.	0.7	19
59	Radiomics in medical imaging—how-to guide and critical reflection. Insights Into Imaging, 2020, 11, 91.	1.6	599
60	Machine Learning and Deep Neural Networks. Journal of Thoracic Imaging, 2020, 35, S17-S20.	0.8	22
61	Prognostic value of texture analysis from cardiac magnetic resonance imaging in patients with Takotsubo syndrome: a machine learning based proof-of-principle approach. Scientific Reports, 2020, 10, 20537.	1.6	9
62	Photon-counting CT with tungsten as contrast medium: Experimental evidence of vessel lumen and plaque visualization. Atherosclerosis, 2020, 310, 11-16.	0.4	22
63	Artificial Intelligence and Texture Analysis in Cardiac Imaging. Current Cardiology Reports, 2020, 22, 131.	1.3	20
64	The Future of Computed Tomography. Investigative Radiology, 2020, 55, 545-555.	3.5	46
65	Quantitative accuracy of virtual non-contrast images derived from spectral detector computed tomography: an abdominal phantom study. Scientific Reports, 2020, 10, 21575.	1.6	14
66	Radiation Dose to the Fetus From Computed Tomography of Pregnant Patients—Development and Validation of a Web-Based Tool. Investigative Radiology, 2020, 55, 762-768.	3.5	10
67	Deep learning for automatic quantification of lung abnormalities in COVID-19 patients: First experience and correlation with clinical parameters. European Journal of Radiology Open, 2020, 7, 100272.	0.7	10
68	Multimodal Multiparametric Three-dimensional Image Fusion in Coronary Artery Disease: Combining the Best of Two Worlds. Radiology: Cardiothoracic Imaging, 2020, 2, e190116.	0.9	3
69	1024-pixel image matrix for chest CT—Impact on image quality of bronchial structures in phantoms and patients. PLoS ONE, 2020, 15, e0234644.	1.1	7
70	Frequency and causes of delayed diagnosis of visceral artery pseudoaneurysms with CT: Lessons learned. European Journal of Radiology Open, 2020, 7, 100221.	0.7	11
71	Deep learning based detection of intracranial aneurysms on digital subtraction angiography: A feasibility study. Neuroradiology Journal, 2020, 33, 311-317.	0.6	20
72	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. Radiotherapy and Oncology, 2020, 152, 203-207.	0.3	59

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73	Secular evolution of femoral morphology from a clinical perspective. <i>Clinical Anatomy</i> , 2020, 33, 887-898.	1.5	2
74	Effect of intracoronary bone marrow-derived mononuclear cell injection early and late after myocardial infarction on CMR-derived myocardial strain. <i>International Journal of Cardiology</i> , 2020, 310, 108-115.	0.8	7
75	Aortic valve calcification scoring with computed tomography: impact of iterative reconstruction techniques. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1575-1581.	0.7	4
76	Computed Tomography-based evaluation of porcine cardiac dimensions to assist in pre-study planning and optimized model selection for pre-clinical research. <i>Scientific Reports</i> , 2020, 10, 6020.	1.6	9
77	Cardiovascular magnetic resonance T2* mapping for the assessment of cardiovascular events in hypertrophic cardiomyopathy. <i>Open Heart</i> , 2020, 7, e001152.	0.9	8
78	Solving controversial findings in a heart transplant recipient with 3D image fusion. <i>Imaging</i> , 2020, 12, 13-14.	0.3	0
79	Planning the Procedure. , 2020, , 91-131.		0
80	Diagnosis, Indication and Timing. , 2020, , 1-62.		0
81	Patient Screening. , 2020, , 63-89.		0
82	A young woman with recurrent spontaneous coronary artery dissection. <i>Kardiologia Polska</i> , 2020, 78, 1059-1061.	0.3	0
83	In vitro qualitative and quantitative CT assessment of iodinated aerosol nasal deposition using a 3D-printed nasal replica. <i>European Radiology Experimental</i> , 2019, 3, 32.	1.7	3
84	How patient off-centering impacts organ dose and image noise in pediatric head and thoracoabdominal CT. <i>European Radiology</i> , 2019, 29, 6790-6793.	2.3	15
85	P459Inflammatory reactions of the pericardium as measured with parametric mapping CMR. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, .	0.5	0
86	Determinants of myocardial function characterized by CMR-derived strain parameters in left ventricular non-compaction cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 15882.	1.6	23
87	Incidence and characteristics of left atrial appendage stumps after device-enabled epicardial closure. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 663-669.	0.5	18
88	Reproducibility of aortic valve calcification scoring with computed tomography – An interplatform analysis. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 92-98.	0.7	20
89	Reduced-order modeling of blood flow for noninvasive functional evaluation of coronary artery disease. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 1867-1881.	1.4	21
90	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: British Medical Journal</i> , 2019, 365, l1945.	2.4	99

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91	Evolution of Radiation Dose from Cardiac CT. Contemporary Medical Imaging, 2019, , 11-18.	0.3	0
92	Venous Collateral Pathways in Superior Thoracic Inlet Obstruction: A Systematic Analysis of Anatomy, Embryology, and Resulting Patterns. American Journal of Roentgenology, 2019, 213, 200-210.	1.0	8
93	CT Angiography of the Aorta: Contrast Timing by Using a Fixed versus a Patient-specific Trigger Delay. Radiology, 2019, 291, 531-538.	3.6	22
94	Texture analysis of myocardial infarction in CT: Comparison with visual analysis and impact of iterative reconstruction. European Journal of Radiology, 2019, 113, 245-250.	1.2	19
95	Cardiovascular magnetic resonance T2* mapping for structural alterations in hypertrophic cardiomyopathy. European Journal of Radiology Open, 2019, 6, 78-84.	0.7	14
96	Quantitative CT texture analysis for diagnosing systemic sclerosis. Medicine (United States), 2019, 98, e16423.	0.4	9
97	Computed Tomography for 4-Dimensional Angiography and Perfusion Imaging of the Prostate for Embolization Planning of Benign Prostatic Hyperplasia. Investigative Radiology, 2019, 54, 661-668.	3.5	4
98	Radiomics for Distinguishing Myocardial Infarction from Myocarditis at Late Gadolinium Enhancement at MRI: Comparison with Subjective Visual Analysis. Radiology: Cardiothoracic Imaging, 2019, 1, e180026.	0.9	20
99	Technical Note: Radiation dose reduction from computed tomography localizer radiographs using a tin spectral shaping filter. Medical Physics, 2019, 46, 544-549.	1.6	11
100	Precision and reliability of liver iodine quantification from spectral detector CT: evidence from phantom and patient data. European Radiology, 2019, 29, 2098-2106.	2.3	18
101	Dynamic anatomic relationship of the coronary arteries to the valves. Part 1: mitral annulus and circumflex artery. EuroIntervention, 2019, 15, 919-922.	1.4	3
102	Preclinical Multimodality Fusion Imaging Platform to Optimize Catheter-Based Mitral Valve Interventions. Thoracic and Cardiovascular Surgeon, 2019, , .	0.4	0
103	Cardiac manifestation of polyarteritis nodosa. European Heart Journal, 2018, 39, 2603-2603.	1.0	4
104	Combined Static and Dynamic Computed Tomography Angiography of Peripheral Artery Occlusive Disease: Comparison with Magnetic Resonance Angiography. CardioVascular and Interventional Radiology, 2018, 41, 1205-1213.	0.9	5
105	Chest pain CT in the Emergency Department: evaluating the coronary arteries even when not specifically asked for?. Acta Radiologica, 2018, 59, 1309-1315.	0.5	1
106	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
107	3D image fusion of whole-heart dynamic cardiac MR perfusion and late gadolinium enhancement: Intuitive delineation of myocardial hypoperfusion and scar. Journal of Magnetic Resonance Imaging, 2018, 48, 1129-1138.	1.9	6
108	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

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109	Texture Analysis and Machine Learning for Detecting Myocardial Infarction in Noncontrast Low-Dose Computed Tomography. <i>Investigative Radiology</i> , 2018, 53, 338-343.	3.5	110
110	Lost Opportunities: Radiologists Are Not Sufficiently Using Reduced-Dose CT for Kidney Stones. <i>Radiology</i> , 2018, 286, 590-591.	3.6	0
111	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> , 2018, 102, 61-67.	1.2	97
112	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> , 2018, 28, 4006-4017.	2.3	2
113	Multiple pathologies in one standard cardiac MR examination: whole in one. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1239-1240.	0.7	0
114	Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. <i>Europace</i> , 2018, 20, e105-e114.	0.7	68
115	Sternal Anomalies in Asymptomatic Patients after Median Sternotomy and Potential Influencing Factors. <i>Thoracic and Cardiovascular Surgeon</i> , 2018, 66, 517-522.	0.4	2
116	Photon-Counting CT. <i>Investigative Radiology</i> , 2018, 53, 143-149.	3.5	91
117	Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. <i>Radiology</i> , 2018, 286, 103-112.	3.6	151
118	Prediction of successful shock wave lithotripsy with CT: a phantom study using texture analysis. <i>Abdominal Radiology</i> , 2018, 43, 1432-1438.	1.0	22
119	Fusion of CT coronary angiography and whole-heart dynamic 3D cardiac MR perfusion: building a framework for comprehensive cardiac imaging. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 649-660.	0.7	13
120	Chest pain CT in the emergency department: Watch out for the myocardium. <i>European Journal of Radiology Open</i> , 2018, 5, 202-208.	0.7	3
121	Gouty arthritis: Can we avoid unnecessary dual-energy CT examinations using prior radiographs?. <i>PLoS ONE</i> , 2018, 13, e0200473.	1.1	4
122	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels. <i>Investigative Radiology</i> , 2018, 53, 486-494.	3.5	60
123	Comprehensive morphologic and functional imaging of heart transplant patients: first experience with dynamic perfusion CT. <i>European Radiology</i> , 2018, 28, 4111-4121.	2.3	6
124	Arterio-portal shunts in the cirrhotic liver: perfusion computed tomography for distinction of arterIALIZED pseudolesions from hepatocellular carcinoma. <i>European Radiology</i> , 2017, 27, 1074-1080.	2.3	11
125	Ultralow dose CT for pulmonary nodule detection with chest x-ray equivalent dose—a prospective intra-individual comparative study. <i>European Radiology</i> , 2017, 27, 3290-3299.	2.3	70
126	Repeated CT scans in trauma transfers: An analysis of indications, radiation dose exposure, and costs. <i>European Journal of Radiology</i> , 2017, 88, 135-140.	1.2	15

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127	Noninvasive Coronary Artery Imaging. <i>Medical Radiology</i> , 2017, , 729-741.	0.0	0
128	Noise Texture Deviation. <i>Investigative Radiology</i> , 2017, 52, 87-94.	3.5	40
129	Radiographically occult perforation and dissection of the common carotid artery following stab injury to the neck. <i>Trauma Case Reports</i> , 2017, 9, 17-21.	0.2	1
130	Modified Dual-Energy Algorithm for Calcified Plaque Removal. <i>Investigative Radiology</i> , 2017, 52, 680-685.	3.5	50
131	Iterative Reconstructions in Reduced-Dose CT. <i>Academic Radiology</i> , 2017, 24, 1114-1124.	1.3	14
132	Computed tomography perfusion imaging for monitoring transarterial chemoembolization of hepatocellular carcinoma. <i>European Journal of Radiology</i> , 2017, 91, 160-167.	1.2	9
133	Paradigm shifts in diagnostics and treatment of multiply injured patients – How does it affect visceral injuries?. <i>Injury</i> , 2017, 48, 565-567.	0.7	2
134	Coronary artery calcium scoring for ruling-out acute coronary syndrome in chest pain CT. <i>American Journal of Emergency Medicine</i> , 2017, 35, 1565-1567.	0.7	9
135	Emphysema quantification and lung volumetry in chest X-ray equivalent ultralow dose CT – Intra-individual comparison with standard dose CT. <i>European Journal of Radiology</i> , 2017, 91, 1-9.	1.2	25
136	C-arm flat-panel CT arthrography of the shoulder: Radiation dose considerations and preliminary data on diagnostic performance. <i>European Radiology</i> , 2017, 27, 454-463.	2.3	7
137	3D fusion of coronary CT angiography and CT myocardial perfusion imaging: Intuitive assessment of morphology and function. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 437-443.	0.7	6
138	Multi-centre study of whole-heart dynamic 3D cardiac magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: gender based analysis of diagnostic performance. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1099-1106.	0.5	9
139	Vertical off-centering affects organ dose in chest CT: Evidence from Monte Carlo simulations in anthropomorphic phantoms. <i>Medical Physics</i> , 2017, 44, 5697-5704.	1.6	35
140	Normative values for CT-based texture analysis of vertebral bodies in dual X-ray absorptiometry-confirmed, normally mineralized subjects. <i>Skeletal Radiology</i> , 2017, 46, 1541-1551.	1.2	9
141	Prognostic Value of Negative Coronary CT Angiography in Severely Obese Patients Prior to Bariatric Surgery: a Follow-Up After 6 Years. <i>Obesity Surgery</i> , 2017, 27, 2044-2049.	1.1	4
142	An Expandable Aortic Ring in Aortic Root Remodeling: Exact Position, Pulsatility, Effectiveness, and Stability in Three-Dimensional CT Study. <i>Annals of Thoracic Surgery</i> , 2017, 103, 83-90.	0.7	14
143	CT Perfusion for Early Response Evaluation of Radiofrequency Ablation of Focal Liver Lesions: First Experience. <i>CardioVascular and Interventional Radiology</i> , 2017, 40, 90-98.	0.9	19
144	Effect of Localizer Radiography Projection on Organ Dose at Chest CT with Automatic Tube Current Modulation. <i>Radiology</i> , 2017, 282, 842-849.	3.6	22

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145	Imaging algorithms and CT protocols in trauma patients: survey of Swiss emergency centers. <i>European Radiology</i> , 2017, 27, 1922-1928.	2.3	27
146	Dose-Optimized Computed Tomography for Screening and Follow-Up of Solid Pulmonary Nodules in Obesity: A Phantom Study. <i>Current Problems in Diagnostic Radiology</i> , 2017, 46, 204-209.	0.6	5
147	Rare coronary anomaly with hemodynamic consequence: squeezing of the right coronary artery. <i>European Heart Journal</i> , 2017, 38, 3539-3539.	1.0	0
148	Texture analysis of acute myocardial infarction with CT: First experience study. <i>PLoS ONE</i> , 2017, 12, e0186876.	1.1	37
149	Computed tomography in patients with tricuspid regurgitation prior to transcatheter valve repair: dynamic analysis of the annulus with an individually tailored contrast media protocol. <i>EuroIntervention</i> , 2017, 12, e1828-e1836.	1.4	22
150	Quantification of aortic valve calcification on contrast-enhanced CT of patients prior to transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2017, 13, 921-927.	1.4	17
151	Organ Dose and Attributable Cancer Risk in Lung Cancer Screening with Low-Dose Computed Tomography. <i>PLoS ONE</i> , 2016, 11, e0155722.	1.1	26
152	Dual Energy CT Pulmonary Angiography with 6g Iodine—A Propensity Score-Matched Study. <i>PLoS ONE</i> , 2016, 11, e0167214.	1.1	14
153	Influence of Sinogram-Affirmed Iterative Reconstruction on Computed Tomography—Based Lung Volumetry and Quantification of Pulmonary Emphysema. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 96-101.	0.5	3
154	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> , 2016, 85, 360-365.	1.2	46
155	Systematic Evaluation of Radiation Dose Reduction in CT Studies of Body Packers: Accuracy Down to Submillisievert Levels. <i>American Journal of Roentgenology</i> , 2016, 206, 740-746.	1.0	6
156	Automatic radiation dose monitoring for CT of trauma patients with different protocols: feasibility and accuracy. <i>Clinical Radiology</i> , 2016, 71, 905-911.	0.5	5
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