List of Publications by Year in descending order

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Ηλτένα Δικλιρη

#	Article	IF	CITATIONS
1	Liver Iodine Quantification With Photon-Counting Detector CT: Accuracy in an Abdominal Phantom and Feasibility in Patients. Academic Radiology, 2023, 30, 461-469.	2.5	10
2	Virtual monoenergetic images from dual-energy CT: systematic assessment of task-based image quality performance. Quantitative Imaging in Medicine and Surgery, 2022, 12, 726-741.	2.0	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. Investigative Radiology, 2022, 57, 108-114.	6.2	41
4	Routine early postoperative computed tomography angiography after coronary artery bypass surgery: clinical value and management implications. European Journal of Cardio-thoracic Surgery, 2022, 61, 459-466.	1.4	4
5	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.	2.5	63
6	High-Pitch Photon-Counting Detector Computed Tomography Angiography of the Aorta. Investigative Radiology, 2022, 57, 115-121.	6.2	83
7	Radiomics for detecting prostate cancer bone metastases invisible in CT: a proof-of-concept study. European Radiology, 2022, 32, 1823-1832.	4.5	17
8	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 75-87.	5.3	37
9	Tube voltage-independent coronary calcium scoring on a first-generation dual-source photon-counting CT—a proof-of-principle phantom study. International Journal of Cardiovascular Imaging, 2022, 38, 905-912.	1.5	13
10	Impact of Contrast Enhancement and Virtual Monoenergetic Image Energy Levels on Emphysema Quantification. Investigative Radiology, 2022, 57, 359-365.	6.2	20
11	Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. Investigative Radiology, 2022, 57, 399-405.	6.2	47
12	Pneumatosis intestinalis in abdominal CT: predictors of short-term mortality in patients with clinical suspicion of mesenteric ischemia. Abdominal Radiology, 2022, 47, 1625-1635.	2.1	4
13	Quantum Iterative Reconstruction for Abdominal Photon-counting Detector CT Improves Image Quality. Radiology, 2022, 303, 339-348.	7.3	54
14	Virtual Noncontrast Imaging of the Liver Using Photon-Counting Detector Computed Tomography. Investigative Radiology, 2022, 57, 488-493.	6.2	24
15	Photon-counting computed tomography for the diagnosis of myocardial infarction with non-obstructive coronary artery disease. European Heart Journal - Case Reports, 2022, 6, ytac028.	0.6	3
16	Quantum Iterative Reconstruction for Low-Dose Ultra-High-Resolution Photon-Counting Detector CT of the Lung. Diagnostics, 2022, 12, 522.	2.6	33
17	Epicardial Adipose Tissue Attenuation and Fat Attenuation Index: Phantom Study and In Vivo Measurements With Photon-Counting Detector CT. American Journal of Roentgenology, 2022, 218, 822-829.	2.2	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. International Journal of Cardiovascular Imaging, 2022, 38, 1851-1861.	0.6	1

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19	Diagnosis of acute heart failure in CT pulmonary angiography: feasibility and accuracy. European Radiology, 2022, , 1.	4.5	3
20	Simplified image acquisition and detection of ischemic and non-ischemic myocardial fibrosis with fixed short inversion time magnetic resonance late gadolinium enhancement. British Journal of Radiology, 2022, 95, 20210966.	2.2	1
21	Performance of virtual non-contrast images generated on clinical photon-counting detector CT for emphysema quantification: proof of concept. British Journal of Radiology, 2022, 95, 20211367.	2.2	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. European Radiology, 2022, 32, 5233-5245.	4.5	6
23	Segmental strain for scar detection in acute myocardial infarcts and in follow-up exams using non-contrast CMR cine sequences. BMC Cardiovascular Disorders, 2022, 22, 226.	1.7	6
24	Parametric mapping CMR for the measurement of inflammatory reactions of the pericardium. Open Heart, 2022, 9, e001919.	2.3	1
25	Prognostic factors in patients with acute mesenteric ischemia – a novel tool for determining patient outcomes. British Journal of Surgery, 2022, 109, .	0.3	0
26	Ultra-High-Resolution Coronary CT Angiography With Photon-Counting Detector CT. Investigative Radiology, 2022, 57, 780-788.	6.2	72
27	Acute Pulmonary Embolism in COVID-19: A Potential Connection between Venous Congestion and Thrombus Distribution. Biomedicines, 2022, 10, 1300.	3.2	3
28	Virtual Noncontrast Abdominal Imaging with Photon-counting Detector CT. Radiology, 2022, 305, 107-115.	7.3	24
29	Third-Generation Cardiovascular Phantom. Investigative Radiology, 2022, 57, 834-840.	6.2	5
30	Organ-based tube current modulation and bismuth eye shielding in pediatric head computed tomography. Pediatric Radiology, 2022, 52, 2584-2594.	2.0	4
31	Dual-Energy CT-Based lodine Quantification in Liver Tumors – Impact of Scan-, Patient-, and Position-Related Factors. Academic Radiology, 2021, 28, 783-789.	2.5	5
32	Plaques, stenosis and subtended myocardial Mass: CT crosses the bridge from morphology to function. Journal of Cardiovascular Computed Tomography, 2021, 15, 46-47.	1.3	1
33	Bone Mineral Density Quantification from Localizer Radiographs: Accuracy and Precision of Energy-integrating Detector CT and Photon-counting Detector CT. Radiology, 2021, 298, 147-152.	7.3	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. Abdominal Radiology, 2021, 46, 2079-2089.	2.1	9
35	Comparison of 3D and 2D late gadolinium enhancement magnetic resonance imaging in patients with acute and chronic myocarditis. International Journal of Cardiovascular Imaging, 2021, 37, 305-313.	1.5	2
36	Mitral annular calcification in the elderly – Quantitative assessment. Journal of Cardiovascular Computed Tomography, 2021, 15, 161-166.	1.3	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.	1.5	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.	1.6	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.	1.6	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.	2.6	3
41	Photon-Counting Multienergy Computed Tomography With Spectrally Optimized Contrast Media for Plaque Removal and Stenosis Assessment. Investigative Radiology, 2021, 56, 563-570.	6.2	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.	6.2	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.	1.4	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.	1.0	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, .	1.2	0
46	Segmental strain analysis for the detection of chronic ischemic scars in non-contrast cardiac MRI cine images. Scientific Reports, 2021, 11, 12376.	3.3	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.	2.6	38
49	Virtual Monoenergetic Images of Dual-Energy CT—Impact on Repeatability, Reproducibility, and Classification in Radiomics. Cancers, 2021, 13, 4710.	3.7	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.	7.3	13
51	Fusion of Preinterventional MR Imaging With Liver Perfusion CT After RFA of Hepatocellular Carcinoma. Investigative Radiology, 2021, 56, 188-196.	6.2	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.	6.2	11
53	latrogenic Aortic Root Injury from Coronary Interventions: Early and Follow-up CT Imaging Findings. Radiology: Cardiothoracic Imaging, 2021, 3, e210241	2.5	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.	2.5	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.	6.2	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.	1.9	43
57	Amphetamine-induced coronary artery dissection and massive aortic valve thrombus. European Heart Journal, 2020, 41, 230-230.	2.2	4
58	Machine learning-based CT fractional flow reserve assessment in acute chest pain: first experience. Cardiovascular Diagnosis and Therapy, 2020, 10, 820-830.	1.7	19
59	Radiomics in medical imaging—"how-to―guide and critical reflection. Insights Into Imaging, 2020, 11, 91.	3.4	599
60	Machine Learning and Deep Neural Networks. Journal of Thoracic Imaging, 2020, 35, S17-S20.	1.5	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.	3.3	9
62	Photon-counting CT with tungsten as contrast medium: Experimental evidence of vessel lumen and plaque visualization. Atherosclerosis, 2020, 310, 11-16.	0.8	22
63	Artificial Intelligence and Texture Analysis in Cardiac Imaging. Current Cardiology Reports, 2020, 22, 131.	2.9	20
64	The Future of Computed Tomography. Investigative Radiology, 2020, 55, 545-555.	6.2	46
65	Quantitative accuracy of virtual non-contrast images derived from spectral detector computed tomography: an abdominal phantom study. Scientific Reports, 2020, 10, 21575.	3.3	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.	6.2	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.	1.6	10
68	Multimodal Multiparametric Three-dimensional Image Fusion in Coronary Artery Disease: Combining the Best of Two Worlds. Radiology: Cardiothoracic Imaging, 2020, 2, e190116.	2.5	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.	2.5	7
70	Frequency and causes of delayed diagnosis of visceral artery pseudoaneurysms with CT: Lessons learned. European Journal of Radiology Open, 2020, 7, 100221.	1.6	11
71	Deep learning based detection of intracranial aneurysms on digital subtraction angiography: A feasibility study. Neuroradiology Journal, 2020, 33, 311-317.	1.2	20
72	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. Radiotherapy and Oncology, 2020, 152, 203-207.	0.6	59

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73	Secular evolution of femoral morphology from a clinical perspective. Clinical Anatomy, 2020, 33, 887-898.	2.7	2
74	Effect of intracoronary bone marrow-derived mononuclear cell injection early and late after myocardial infarction on CMR-derived myocardial strain. International Journal of Cardiology, 2020, 310, 108-115.	1.7	7
75	Aortic valve calcification scoring with computed tomography: impact of iterative reconstruction techniques. International Journal of Cardiovascular Imaging, 2020, 36, 1575-1581.	1.5	4
76	Computed Tomography-based evaluation of porcine cardiac dimensions to assist in pre-study planning and optimized model selection for pre-clinical research. Scientific Reports, 2020, 10, 6020.	3.3	9
77	Cardiovascular magnetic resonance T2* mapping for the assessment of cardiovascular events in hypertrophic cardiomyopathy. Open Heart, 2020, 7, e001152.	2.3	8
78	Solving controversial findings in a heart transplant recipient with 3D image fusion. Imaging, 2020, 12, 13-14.	0.3	0
79	Planning the Procedure. , 2020, , 91-131.		Ο
80	Diagnosis, Indication and Timing. , 2020, , 1-62.		0
81	Patient Screening. , 2020, , 63-89.		Ο
82	A young woman with recurrent spontaneous coronary artery dissection. Kardiologia Polska, 2020, 78, 1059-1061.	0.6	0
83	In vitro qualitative and quantitative CT assessment of iodinated aerosol nasal deposition using a 3D-printed nasal replica. European Radiology Experimental, 2019, 3, 32.	3.4	3
84	How patient off-centering impacts organ dose and image noise in pediatric head and thoracoabdominal CT. European Radiology, 2019, 29, 6790-6793.	4.5	15
85	P459Inflammatory reactions of the pericardium as measured with parametric mapping CMR. European Heart Journal Cardiovascular Imaging, 2019, 20, .	1.2	Ο
86	Determinants of myocardial function characterized by CMR-derived strain parameters in left ventricular non-compaction cardiomyopathy. Scientific Reports, 2019, 9, 15882.	3.3	23
87	Incidence and characteristics of left atrial appendage stumps after device-enabled epicardial closure. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 663-669.	1.1	18
88	Reproducibility of aortic valve calcification scoring with computed tomography – An interplatform analysis. Journal of Cardiovascular Computed Tomography, 2019, 13, 92-98.	1.3	20
89	Reduced-order modeling of blood flow for noninvasive functional evaluation of coronary artery disease. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1867-1881.	2.8	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. BMJ: British Medical Journal, 2019, 365, 11945.	2.3	99

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91	Evolution of Radiation Dose from Cardiac CT. Contemporary Medical Imaging, 2019, , 11-18.	0.4	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.	2.2	8
93	CT Angiography of the Aorta: Contrast Timing by Using a Fixed versus a Patient-specific Trigger Delay. Radiology, 2019, 291, 531-538.	7.3	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.	2.6	19
95	Cardiovascular magnetic resonance T2* mapping for structural alterations in hypertrophic cardiomyopathy. European Journal of Radiology Open, 2019, 6, 78-84.	1.6	14
96	Quantitative CT texture analysis for diagnosing systemic sclerosis. Medicine (United States), 2019, 98, e16423.	1.0	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.	6.2	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.	2.5	20
99	Technical Note: Radiation dose reduction from computed tomography localizer radiographs using a tin spectral shaping filter. Medical Physics, 2019, 46, 544-549.	3.0	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.	4.5	18
101	Dynamic anatomic relationship of the coronary arteries to the valves. Part 1: mitral annulus and circumflex artery. EuroIntervention, 2019, 15, 919-922.	3.2	3
102	Preclinical Multimodality Fusion Imaging Platform to Optimize Catheter-Based Mitral Valve Interventions. Thoracic and Cardiovascular Surgeon, 2019, , .	1.0	0
103	Cardiac manifestation of polyarteritis nodosa. European Heart Journal, 2018, 39, 2603-2603.	2.2	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.	2.0	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.	1.1	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.	0.4	38
107	3D image fusion of wholeâ€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.	3.4	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.	2.2	31

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109	Texture Analysis and Machine Learning for Detecting Myocardial Infarction in Noncontrast Low-Dose Computed Tomography. Investigative Radiology, 2018, 53, 338-343.	6.2	110
110	Lost Opportunities: Radiologists Are Not Sufficiently Using Reduced-Dose CT for Kidney Stones. Radiology, 2018, 286, 590-591.	7.3	0
111	Texture analysis and machine learning of non-contrast T1-weighted MR images in patients with hypertrophic cardiomyopathy—Preliminary results. European Journal of Radiology, 2018, 102, 61-67.	2.6	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. European Radiology, 2018, 28, 4006-4017.	4.5	2
113	Multiple pathologies in one standard cardiac MR examination: whole in one. International Journal of Cardiovascular Imaging, 2018, 34, 1239-1240.	1.5	0
114	Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. Europace, 2018, 20, e105-e114.	1.7	68
115	Sternal Anomalies in Asymptomatic Patients after Median Sternotomy and Potential Influencing Factors. Thoracic and Cardiovascular Surgeon, 2018, 66, 517-522.	1.0	2
116	Photon-Counting CT. Investigative Radiology, 2018, 53, 143-149.	6.2	91
117	Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. Radiology, 2018, 286, 103-112.	7.3	151
118	Prediction of successful shock wave lithotripsy with CT: a phantom study using texture analysis. Abdominal Radiology, 2018, 43, 1432-1438.	2.1	22
119	Fusion of CT coronary angiography and whole-heart dynamic 3D cardiac MR perfusion: building a framework for comprehensive cardiac imaging. International Journal of Cardiovascular Imaging, 2018, 34, 649-660.	1.5	13
120	Chest pain CT in the emergency department: Watch out for the myocardium. European Journal of Radiology Open, 2018, 5, 202-208.	1.6	3
121	Gouty arthritis: Can we avoid unnecessary dual-energy CT examinations using prior radiographs?. PLoS ONE, 2018, 13, e0200473.	2.5	4
122	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels. Investigative Radiology, 2018, 53, 486-494.	6.2	60
123	Comprehensive morphologic and functional imaging of heart transplant patients: first experience with dynamic perfusion CT. European Radiology, 2018, 28, 4111-4121.	4.5	6
124	Arterio-portal shunts in the cirrhotic liver: perfusion computed tomography for distinction of arterialized pseudolesions from hepatocellular carcinoma. European Radiology, 2017, 27, 1074-1080.	4.5	11
125	Ultralow dose CT for pulmonary nodule detection with chest x-ray equivalent dose – a prospective intra-individual comparative study. European Radiology, 2017, 27, 3290-3299.	4.5	70
126	Repeated CT scans in trauma transfers: An analysis of indications, radiation dose exposure, and costs. European Journal of Radiology, 2017, 88, 135-140.	2.6	15

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127	Noninvasive Coronary Artery Imaging. Medical Radiology, 2017, , 729-741.	0.1	0
128	Noise Texture Deviation. Investigative Radiology, 2017, 52, 87-94.	6.2	40
129	Radiographically occult perforation and dissection of the common carotid artery following stab injury to the neck. Trauma Case Reports, 2017, 9, 17-21.	0.4	1
130	Modified Dual-Energy Algorithm for Calcified Plaque Removal. Investigative Radiology, 2017, 52, 680-685.	6.2	50
131	Iterative Reconstructions in Reduced-Dose CT. Academic Radiology, 2017, 24, 1114-1124.	2.5	14
132	Computed tomography perfusion imaging for monitoring transarterial chemoembolization of hepatocellular carcinoma. European Journal of Radiology, 2017, 91, 160-167.	2.6	9
133	Paradigm shifts in diagnostics and treatment of multiply injured patients – How does it affect visceral injuries?. Injury, 2017, 48, 565-567.	1.7	2
134	Coronary artery calcium scoring for ruling-out acute coronary syndrome in chest pain CT. American Journal of Emergency Medicine, 2017, 35, 1565-1567.	1.6	9
135	Emphysema quantification and lung volumetry in chest X-ray equivalent ultralow dose CT – Intra-individual comparison with standard dose CT. European Journal of Radiology, 2017, 91, 1-9.	2.6	25
136	C-arm flat-panel CT arthrography of the shoulder: Radiation dose considerations and preliminary data on diagnostic performance. European Radiology, 2017, 27, 454-463.	4.5	7
137	3D fusion of coronary CT angiography and CT myocardial perfusion imaging: Intuitive assessment of morphology and function. Journal of Cardiovascular Computed Tomography, 2017, 11, 437-443.	1.3	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. European Heart Journal Cardiovascular Imaging, 2017, 18, 1099-1106.	1.2	9
139	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.	3.0	35
140	Normative values for CT-based texture analysis of vertebral bodies in dual X-ray absorptiometry-confirmed, normally mineralized subjects. Skeletal Radiology, 2017, 46, 1541-1551.	2.0	9
141	Prognostic Value of Negative Coronary CT Angiography in Severely Obese Patients Prior to Bariatric Surgery: a Follow-Up After 6ÂYears. Obesity Surgery, 2017, 27, 2044-2049.	2.1	4
142	An Expansible Aortic Ring in Aortic Root Remodeling: Exact Position, Pulsatility, Effectiveness, and Stability in Three-Dimensional CT Study. Annals of Thoracic Surgery, 2017, 103, 83-90.	1.3	14
143	CT Perfusion for Early Response Evaluation of Radiofrequency Ablation of Focal Liver Lesions: First Experience. CardioVascular and Interventional Radiology, 2017, 40, 90-98.	2.0	19
144	Effect of Localizer Radiography Projection on Organ Dose at Chest CT with Automatic Tube Current Modulation. Radiology, 2017, 282, 842-849.	7.3	22

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145	Imaging algorithms and CT protocols in trauma patients: survey of Swiss emergency centers. European Radiology, 2017, 27, 1922-1928.	4.5	27
146	Dose-Optimized Computed Tomography for Screening and Follow-Up of Solid Pulmonary Nodules in Obesity: A Phantom Study. Current Problems in Diagnostic Radiology, 2017, 46, 204-209.	1.4	5
147	Rare coronary anomaly with hemodynamic consequence: squeezing of the right coronary artery. European Heart Journal, 2017, 38, 3539-3539.	2.2	Ο
148	Texture analysis of acute myocardial infarction with CT: First experience study. PLoS ONE, 2017, 12, e0186876.	2.5	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. EuroIntervention, 2017, 12, e1828-e1836.	3.2	22
150	Quantification of aortic valve calcification on contrast-enhanced CT of patients prior to transcatheter aortic valve implantation. EuroIntervention, 2017, 13, 921-927.	3.2	17
151	Organ Dose and Attributable Cancer Risk in Lung Cancer Screening with Low-Dose Computed Tomography. PLoS ONE, 2016, 11, e0155722.	2.5	26
152	Dual Energy CT Pulmonary Angiography with 6g Iodine—A Propensity Score-Matched Study. PLoS ONE, 2016, 11, e0167214.	2.5	14
153	Influence of Sinogram-Affirmed Iterative Reconstruction on Computed Tomography–Based Lung Volumetry and Quantification of Pulmonary Emphysema. Journal of Computer Assisted Tomography, 2016, 40, 96-101.	0.9	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. European Journal of Radiology, 2016, 85, 360-365.	2.6	46
155	Systematic Evaluation of Radiation Dose Reduction in CT Studies of Body Packers: Accuracy Down to Submillisievert Levels. American Journal of Roentgenology, 2016, 206, 740-746.	2.2	6
156	Automatic radiation dose monitoring for CT of trauma patients with different protocols: feasibility and accuracy. Clinical Radiology, 2016, 71, 905-911.	1.1	5
157	Quantitative comparison of 2D and 3D late gadolinium enhancement MR imaging in patients with Fabry disease and hypertrophic cardiomyopathy. International Journal of Cardiology, 2016, 217, 167-173.	1.7	10
158	Cinematic rendering – an alternative to volume rendering for 3D computed tomography imaging. Insights Into Imaging, 2016, 7, 849-856.	3.4	140
159	Prospective Randomized Comparison of High-pitch CT at 80 kVp Under Free Breathing with Standard-pitch CT at 100 kVp Under Breath-Hold for Detection of Pulmonary Embolism. Academic Radiology, 2016, 23, 1335-1341.	2.5	10
160	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.	2.6	36
161	Impact of Advanced Modeled Iterative Reconstruction on Coronary Artery Calcium Quantification. Academic Radiology, 2016, 23, 1506-1512.	2.5	19
162	Long-term follow-up after aortic root replacement with the Shelhigh® biological valved conduit: a word of caution!. European Journal of Cardio-thoracic Surgery, 2016, 50, 1172-1178.	1.4	14

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163	Computed Tomography Angiography of Coronary Artery Bypass Grafts. Investigative Radiology, 2016, 51, 241-248.	6.2	24
164	Predictive value of low tube voltage and dual-energy CT for successful shock wave lithotripsy: an in vitro study. Urolithiasis, 2016, 44, 271-276.	2.0	10
165	Spontaneous Intramural Hematoma of the Left Ventricle. Circulation, 2016, 133, 543-545.	1.6	1
166	Gouty arthritis: the diagnostic and therapeutic impact of dual-energy CT. European Radiology, 2016, 26, 3989-3999.	4.5	29
167	CT Angiography of the Aorta: Prospective Evaluation of Individualized Low-Volume Contrast Media Protocols. Radiology, 2016, 280, 960-968.	7.3	48
168	Correlation between Dual-Energy and Perfusion CT in Patients with Hepatocellular Carcinoma. Radiology, 2016, 280, 78-87.	7.3	65
169	Optimizing radiation dose by using advanced modelled iterative reconstruction in high-pitch coronary CT angiography. European Radiology, 2016, 26, 459-468.	4.5	43
170	Histogram Analysis of CT Perfusion of Hepatocellular Carcinoma for Predicting Response to Transarterial Radioembolization: Value of Tumor Heterogeneity Assessment. CardioVascular and Interventional Radiology, 2016, 39, 400-408.	2.0	27
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