

Hatem Alkadhi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Impact of Contrast Enhancement and Virtual Monoenergetic Image Energy Levels on Emphysema Quantification: Experience With Photon-Counting Detector Computed Tomography.. <i>Investigative Radiology</i> , 2022 ,	10.1	4
372	Pneumatosis intestinalis in abdominal CT: predictors of short-term mortality in patients with clinical suspicion of mesenteric ischemia.. <i>Abdominal Radiology</i> , 2022 , 1	3	0
371	Quantum Iterative Reconstruction for Abdominal Photon-counting Detector CT Improves Image Quality.. <i>Radiology</i> , 2022 , 211931	20.5	5
370	Virtual Noncontrast Imaging of the Liver Using Photon-Counting Detector Computed Tomography: A Systematic Phantom and Patient Study.. <i>Investigative Radiology</i> , 2022 ,	10.1	1
369	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	0.9	0
368	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	3.6	0
367	Diagnosis of acute heart failure in CT pulmonary angiography: feasibility and accuracy.. <i>European Radiology</i> , 2022 , 1	8	1
366	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 , 20210966	3.4	
365	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 , 20211367	3.4	0
364	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 , 1	8	
363	Photon-Counting CT: Initial Clinical Experience. <i>Medical Radiology</i> , 2022 , 363-376	0.2	
362	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	2.3	0
361	Parametric mapping CMR for the measurement of inflammatory reactions of the pericardium. <i>Open Heart</i> , 2022 , 9, e001919	3	
360	Acute Pulmonary Embolism in COVID-19: A Potential Connection between Venous Congestion and Thrombus Distribution. <i>Biomedicines</i> , 2022 , 10, 1300	4.8	0
359	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. <i>Investigative Radiology</i> , 2021 , 56, 283-291	10.1	3
358	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> , 2021 , 1	2.5	1
357	Fusion of Preinterventional MR Imaging With Liver Perfusion CT After RFA of Hepatocellular Carcinoma: Early Quantitative Prediction of Local Recurrence. <i>Investigative Radiology</i> , 2021 , 56, 188-196	10.1	2

356	Vascular Abnormalities Detected with Chest CT in COVID-19: Spectrum, Association with Parenchymal Lesions, Cardiac Changes, and Correlation with Clinical Severity (COVID-CAVA Study). <i>Diagnostics</i> , 2021 , 11,	3.8	2
355	Photon-Counting Multienergy Computed Tomography With Spectrally Optimized Contrast Media for Plaque Removal and Stenosis Assessment. <i>Investigative Radiology</i> , 2021 , 56, 563-570	10.1	8
354	Assessment of Bone Mineral Density From a Computed Tomography Topogram of Photon-Counting Detector Computed Tomography-Effect of Phantom Size and Tube Voltage. <i>Investigative Radiology</i> , 2021 , 56, 614-620	10.1	1
353	Accidental finding of 2 giant coronary button aneurysms 23 years after composite graft replacement. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 60, 1000	3	
352	Comparison of ultrasound speed-of-sound of the lower extremity and lumbar muscle assessed with computed tomography for muscle loss assessment. <i>Medicine (United States)</i> , 2021 , 100, e25947	1.8	0
351	Segmental strain analysis for the detection of chronic ischemic scars in non-contrast cardiac MRI cine images. <i>Scientific Reports</i> , 2021 , 11, 12376	4.9	2
350	Accuracy of dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease in patients with reduced ejection fraction. <i>Imaging</i> , 2021 , 13, 61-68	0.3	
349	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> , 2021 ,	10.1	8
348	Dual-Energy CT-Based Iodine Quantification in Liver Tumors - Impact of Scan-, Patient-, and Position-Related Factors. <i>Academic Radiology</i> , 2021 , 28, 783-789	4.3	3
347	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	20.5	4
346	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	3	1
345	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	2.5	0
344	Mitral annular calcification in the elderly - Quantitative assessment. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 161-166	2.8	3
343	3D whole heart imaging in severe funnel chest and non-compaction cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 633-634	2.5	0
342	Prediction of treatment response to transarterial radioembolization of liver metastases: Radiomics analysis of pre-treatment cone-beam CT: A proof of concept study. <i>European Journal of Radiology Open</i> , 2021 , 8, 100375	2.6	0
341	Mitral annular disjunction in patients with severe aortic stenosis: Extent and reproducibility of measurements with computed tomography. <i>European Journal of Radiology Open</i> , 2021 , 8, 100335	2.6	1
340	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> , 2021 ,	4.3	8
339	High-Pitch Photon-Counting Detector Computed Tomography Angiography of the Aorta: Intraindividual Comparison to Energy-Integrating Detector Computed Tomography at Equal Radiation Dose. <i>Investigative Radiology</i> , 2021 ,	10.1	7

338	Radiomics for detecting prostate cancer bone metastases invisible in CT: a proof-of-concept study. <i>European Radiology</i> , 2021 , 1	8	4
337	Coronary Calcium Scoring with First Generation Dual-Source Photon-Counting CT-First Evidence from Phantom and In-Vivo Scans. <i>Diagnostics</i> , 2021 , 11,	3.8	4
336	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021 , 15, 75-75	8.4	1
335	Incremental Prognostic Value of Coronary Artery Calcium Score for Predicting All-Cause Mortality after Transcatheter Aortic Valve Replacement. <i>Radiology</i> , 2021 , 301, 105-112	20.5	3
334	Iatrogenic Aortic Root Injury from Coronary Interventions: Early and Follow-up CT Imaging Findings.. <i>Radiology: Cardiothoracic Imaging</i> , 2021 , 3, e210241	8.3	
333	Quantitative accuracy of virtual non-contrast images derived from spectral detector computed tomography: an abdominal phantom study. <i>Scientific Reports</i> , 2020 , 10, 21575	4.9	7
332	Radiation Dose to the Fetus From Computed Tomography of Pregnant Patients-Development and Validation of a Web-Based Tool. <i>Investigative Radiology</i> , 2020 , 55, 762-768	10.1	4
331	Deep learning for automatic quantification of lung abnormalities in COVID-19 patients: First experience and correlation with clinical parameters. <i>European Journal of Radiology Open</i> , 2020 , 7, 100272	2.6	5
330	Multimodal Multiparametric Three-dimensional Image Fusion in Coronary Artery Disease: Combining the Best of Two Worlds. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e190116	8.3	3
329	1024-pixel image matrix for chest CT - Impact on image quality of bronchial structures in phantoms and patients. <i>PLoS ONE</i> , 2020 , 15, e0234644	3.7	1
328	Frequency and causes of delayed diagnosis of visceral artery pseudoaneurysms with CT: Lessons learned. <i>European Journal of Radiology Open</i> , 2020 , 7, 100221	2.6	4
327	Deep learning based detection of intracranial aneurysms on digital subtraction angiography: A feasibility study. <i>Neuroradiology Journal</i> , 2020 , 33, 311-317	2	9
326	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. <i>Radiotherapy and Oncology</i> , 2020 , 152, 203-207	5.3	26
325	Secular evolution of femoral morphology from a clinical perspective. <i>Clinical Anatomy</i> , 2020 , 33, 887-898	2.5	1
324	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	3.2	1
323	Aortic valve calcification scoring with computed tomography: impact of iterative reconstruction techniques. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 1575-1581	2.5	2
322	Cardiovascular magnetic resonance T2* mapping for the assessment of cardiovascular events in hypertrophic cardiomyopathy. <i>Open Heart</i> , 2020 , 7, e001152	3	1
321	Patient Screening 2020 , 63-89		

320	A young woman with recurrent spontaneous coronary artery dissection. <i>Kardiologia Polska</i> , 2020 , 78, 1059-1061	0.9	
319	Solving controversial findings in a heart transplant recipient with 3D image fusion. <i>Imaging</i> , 2020 , 12, 13-14	0.3	
318	Planning the Procedure 2020 , 91-131		
317	Diagnosis, Indication and Timing 2020 , 1-62		
316	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	4.9	3
315	Dual-Energy Low-keV or Single-Energy Low-kV CT for Endoleak Detection?: A 6-Reader Study in an Aortic Aneurysm Phantom. <i>Investigative Radiology</i> , 2020 , 55, 45-52	10.1	6
314	The potential of machine learning to predict postoperative pancreatic fistula based on preoperative, non-contrast-enhanced CT: A proof-of-principle study. <i>Surgery</i> , 2020 , 167, 448-454	3.6	17
313	Amphetamine-induced coronary artery dissection and massive aortic valve thrombus. <i>European Heart Journal</i> , 2020 , 41, 230	9.5	3
312	Machine learning-based CT fractional flow reserve assessment in acute chest pain: first experience. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 820-830	2.6	9
311	Radiomics in medical imaging-"how-to" guide and critical reflection. <i>Insights Into Imaging</i> , 2020 , 11, 91	5.6	158
310	Machine Learning and Deep Neural Networks: Applications in Patient and Scan Preparation, Contrast Medium, and Radiation Dose Optimization. <i>Journal of Thoracic Imaging</i> , 2020 , 35 Suppl 1, S17-S20	5.6	12
309	Prognostic value of texture analysis from cardiac magnetic resonance imaging in patients with Takotsubo syndrome: a machine learning based proof-of-principle approach. <i>Scientific Reports</i> , 2020 , 10, 20537	4.9	4
308	Photon-counting CT with tungsten as contrast medium: Experimental evidence of vessel lumen and plaque visualization. <i>Atherosclerosis</i> , 2020 , 310, 11-16	3.1	10
307	Artificial Intelligence and Texture Analysis in Cardiac Imaging. <i>Current Cardiology Reports</i> , 2020 , 22, 131	4.2	4
306	The Future of Computed Tomography: Personalized, Functional, and Precise. <i>Investigative Radiology</i> , 2020 , 55, 545-555	10.1	19
305	Chest X-ray Dose Equivalent Low-dose CT with Tin Filtration: Potential Role for the Assessment of Pectus Excavatum. <i>Academic Radiology</i> , 2020 , 27, 644-650	4.3	2
304	Incidence and characteristics of left atrial appendage stumps after device-enabled epicardial closure. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 663-669	1.8	9
303	Reproducibility of aortic valve calcification scoring with computed tomography - An interplatform analysis. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 92-98	2.8	12

302	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	3.8	7
301	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> , 2019 , 365, l1945	5.9	39
300	Evolution of Radiation Dose from Cardiac CT. <i>Contemporary Medical Imaging</i> , 2019 , 11-18	0.1	
299	Venous Collateral Pathways in Superior Thoracic Inlet Obstruction: A Systematic Analysis of Anatomy, Embryology, and Resulting Patterns. <i>American Journal of Roentgenology</i> , 2019 , 213, 200-210	5.4	3
298	CT Angiography of the Aorta: Contrast Timing by Using a Fixed versus a Patient-specific Trigger Delay. <i>Radiology</i> , 2019 , 291, 531-538	20.5	14
297	Texture analysis of myocardial infarction in CT: Comparison with visual analysis and impact of iterative reconstruction. <i>European Journal of Radiology</i> , 2019 , 113, 245-250	4.7	13
296	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	4.5	3
295	How patient off-centering impacts organ dose and image noise in pediatric head and thoracoabdominal CT. <i>European Radiology</i> , 2019 , 29, 6790-6793	8	9
294	Determinants of myocardial function characterized by CMR-derived strain parameters in left ventricular non-compaction cardiomyopathy. <i>Scientific Reports</i> , 2019 , 9, 15882	4.9	11
293	Dynamic anatomic relationship of the coronary arteries to the valves. Part 1: mitral annulus and circumflex artery. <i>EuroIntervention</i> , 2019 , 15, 919-922	3.1	3
292	Cardiovascular magnetic resonance T2* mapping for structural alterations in hypertrophic cardiomyopathy. <i>European Journal of Radiology Open</i> , 2019 , 6, 78-84	2.6	6
291	Quantitative CT texture analysis for diagnosing systemic sclerosis: Effect of iterative reconstructions and radiation doses. <i>Medicine (United States)</i> , 2019 , 98, e16423	1.8	5
290	Computed Tomography for 4-Dimensional Angiography and Perfusion Imaging of the Prostate for Embolization Planning of Benign Prostatic Hyperplasia. <i>Investigative Radiology</i> , 2019 , 54, 661-668	10.1	3
289	Radiomics for Distinguishing Myocardial Infarction from Myocarditis at Late Gadolinium Enhancement at MRI: Comparison with Subjective Visual Analysis. <i>Radiology: Cardiothoracic Imaging</i> , 2019 , 1, e180026	8.3	7
288	Technical Note: Radiation dose reduction from computed tomography localizer radiographs using a tin spectral shaping filter. <i>Medical Physics</i> , 2019 , 46, 544-549	4.4	4
287	Precision and reliability of liver iodine quantification from spectral detector CT: evidence from phantom and patient data. <i>European Radiology</i> , 2019 , 29, 2098-2106	8	13
286	Cardiac manifestation of polyarteritis nodosa. <i>European Heart Journal</i> , 2018 , 39, 2603	9.5	2
285	Combined Static and Dynamic Computed Tomography Angiography of Peripheral Artery Occlusive Disease: Comparison with Magnetic Resonance Angiography. <i>CardioVascular and Interventional Radiology</i> , 2018 , 41, 1205-1213	2.7	4

284	Chest pain CT in the Emergency Department: evaluating the coronary arteries even when not specifically asked for?. <i>Acta Radiologica</i> , 2018 , 59, 1309-1315	2	1
283	Three-Dimensional Texture Analysis with Machine Learning Provides Incremental Predictive Information for Successful Shock Wave Lithotripsy in Patients with Kidney Stones. <i>Journal of Urology</i> , 2018 , 200, 829-836	2.5	27
282	3D image fusion of whole-heart dynamic cardiac MR perfusion and late gadolinium enhancement: Intuitive delineation of myocardial hypoperfusion and scar. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1129-1138	5.6	5
281	Combining monoenergetic extrapolations from dual-energy CT with iterative reconstructions: reduction of coil and clip artifacts from intracranial aneurysm therapy. <i>Neuroradiology</i> , 2018 , 60, 281-293	3.2	24
280	Texture Analysis and Machine Learning for Detecting Myocardial Infarction in Noncontrast Low-Dose Computed Tomography: Unveiling the Invisible. <i>Investigative Radiology</i> , 2018 , 53, 338-343	10.1	76
279	Lost Opportunities: Radiologists Are Not Sufficiently Using Reduced-Dose CT for Kidney Stones. <i>Radiology</i> , 2018 , 286, 590-591	20.5	
278	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	4.7	62
277	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	8	1
276	Multiple pathologies in one standard cardiac MR examination: whole in one. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 1239-1240	2.5	
275	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	3.9	46
274	Sternal Anomalies in Asymptomatic Patients after Median Sternotomy and Potential Influencing Factors. <i>Thoracic and Cardiovascular Surgeon</i> , 2018 , 66, 517-522	1.6	0
273	Photon-Counting CT: High-Resolution Imaging of Coronary Stents. <i>Investigative Radiology</i> , 2018 , 53, 143-149	14.9	54
272	Subacute and Chronic Left Ventricular Myocardial Scar: Accuracy of Texture Analysis on Nonenhanced Cine MR Images. <i>Radiology</i> , 2018 , 286, 103-112	20.5	99
271	Prediction of successful shock wave lithotripsy with CT: a phantom study using texture analysis. <i>Abdominal Radiology</i> , 2018 , 43, 1432-1438	3	20
270	Comprehensive morphologic and functional imaging of heart transplant patients: first experience with dynamic perfusion CT. <i>European Radiology</i> , 2018 , 28, 4111-4121	8	5
269	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	2.5	12
268	Chest pain CT in the emergency department: Watch out for the myocardium. <i>European Journal of Radiology Open</i> , 2018 , 5, 202-208	2.6	3
267	Gouty arthritis: Can we avoid unnecessary dual-energy CT examinations using prior radiographs?. <i>PLoS ONE</i> , 2018 , 13, e0200473	3.7	3

266	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels: Tapping the Potential of a New Technology for Stent Imaging. <i>Investigative Radiology</i> , 2018 , 53, 486-494	10.1	33
265	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	8	9
264	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	8	46
263	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	4.7	13
262	Noninvasive Coronary Artery Imaging. <i>Medical Radiology</i> , 2017 , 729-741	0.2	
261	Noise Texture Deviation: A Measure for Quantifying Artifacts in Computed Tomography Images With Iterative Reconstructions. <i>Investigative Radiology</i> , 2017 , 52, 87-94	10.1	31
260	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	0.5	1
259	Modified Dual-Energy Algorithm for Calcified Plaque Removal: Evaluation in Carotid Computed Tomography Angiography and Comparison With Digital Subtraction Angiography. <i>Investigative Radiology</i> , 2017 , 52, 680-685	10.1	28
258	Iterative Reconstructions in Reduced-Dose CT: Which Type Ensures Diagnostic Image Quality in Young Oncology Patients?. <i>Academic Radiology</i> , 2017 , 24, 1114-1124	4.3	8
257	Computed tomography perfusion imaging for monitoring transarterial chemoembolization of hepatocellular carcinoma. <i>European Journal of Radiology</i> , 2017 , 91, 160-167	4.7	7
256	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	2.9	9
255	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	4.7	19
254	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	8	5
253	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	2.8	6
252	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	4.1	6
251	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	4.4	22
250	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	2.7	6
249	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	3.7	4

248	An Expandible 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	2.7	12
247	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	2.7	15
246	Effect of Localizer Radiography Projection on Organ Dose at Chest CT with Automatic Tube Current Modulation. <i>Radiology</i> , 2017 , 282, 842-849	20.5	14
245	Imaging algorithms and CT protocols in trauma patients: survey of Swiss emergency centers. <i>European Radiology</i> , 2017 , 27, 1922-1928	8	24
244	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	1.6	4
243	Rare coronary anomaly with hemodynamic consequence: squeezing of the right coronary artery. <i>European Heart Journal</i> , 2017 , 38, 3539	9.5	
242	Texture analysis of acute myocardial infarction with CT: First experience study. <i>PLoS ONE</i> , 2017 , 12, e0186876	9.7	24
241	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	3.1	16
240	Quantification of aortic valve calcification on contrast-enhanced CT of patients prior to transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2017 , 13, 921-927	3.1	12
239	Histogram Analysis of CT Perfusion of Hepatocellular Carcinoma for Predicting Response to Transarterial Radioembolization: Value of Tumor Heterogeneity Assessment. <i>CardioVascular and Interventional Radiology</i> , 2016 , 39, 400-8	2.7	23
238	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. <i>Academic Radiology</i> , 2016 , 23, 1335-1341	4.3	9
237	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 0.13mSv. <i>European Journal of Radiology</i> , 2016 , 85, 2217-2224	4.7	25
236	Impact of Advanced Modeled Iterative Reconstruction on Coronary Artery Calcium Quantification. <i>Academic Radiology</i> , 2016 , 23, 1506-1512	4.3	13
235	Long-term follow-up after aortic root replacement with the Shelhigh [®] biological valved conduit: a word of caution!. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 50, 1172-1178	3	12
234	Computed Tomography Angiography of Coronary Artery Bypass Grafts: Low Contrast Media Volume Protocols Adapted to Tube Voltage. <i>Investigative Radiology</i> , 2016 , 51, 241-8	10.1	20
233	Predictive value of low tube voltage and dual-energy CT for successful shock wave lithotripsy: an in vitro study. <i>Urolithiasis</i> , 2016 , 44, 271-6	3.2	10
232	Spontaneous Intramural Hematoma of the Left Ventricle. <i>Circulation</i> , 2016 , 133, 543-5	16.7	1
231	Gouty arthritis: the diagnostic and therapeutic impact of dual-energy CT. <i>European Radiology</i> , 2016 , 26, 3989-3999	8	25

230	CT Angiography of the Aorta: Prospective Evaluation of Individualized Low-Volume Contrast Media Protocols. <i>Radiology</i> , 2016 , 280, 960-8	20.5	40
229	Correlation between Dual-Energy and Perfusion CT in Patients with Hepatocellular Carcinoma. <i>Radiology</i> , 2016 , 280, 78-87	20.5	50
228	Optimizing radiation dose by using advanced modelled iterative reconstruction in high-pitch coronary CT angiography. <i>European Radiology</i> , 2016 , 26, 459-68	8	36
227	Organ Dose and Attributable Cancer Risk in Lung Cancer Screening with Low-Dose Computed Tomography. <i>PLoS ONE</i> , 2016 , 11, e0155722	3.7	15
226	Dual Energy CT Pulmonary Angiography with 6g Iodine-A Propensity Score-Matched Study. <i>PLoS ONE</i> , 2016 , 11, e0167214	3.7	12
225	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	2.2	3
224	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, 360-5	4.7	35
223	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, 740-6	5.4	6
222	Automatic radiation dose monitoring for CT of trauma patients with different protocols: feasibility and accuracy. <i>Clinical Radiology</i> , 2016 , 71, 905-11	2.9	4
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