Julian Lukas Wichmann

List of Publications by Year
in descending order

138	4,190	87723	161609
papers	citations	38	54
		h-index	g-index

138	138	138	3455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of Clinical Applications for Virtual Monoenergetic Dual-Energy CT. Radiology, 2019, 293, 260-271.	3.6	133
2	Dual-Energy CT–based Display of Bone Marrow Edema in Osteoporotic Vertebral Compression Fractures: Impact on Diagnostic Accuracy of Radiologists with Varying Levels of Experience in Correlation to MR Imaging. Radiology, 2016, 280, 510-519.	3.6	130
3	Assessment of an Advanced Monoenergetic Reconstruction Technique in Dual-Energy Computed Tomography of Head and Neck Cancer. European Radiology, 2015, 25, 2493-2501.	2.3	121
4	Advanced image-based virtual monoenergetic dual-energy CT angiography of the abdomen: optimization of kiloelectron volt settings to improve image contrast. European Radiology, 2016, 26, 1863-1870.	2.3	120
5	Comprehensive Comparison of Virtual Monoenergetic and Linearly Blended Reconstruction Techniques in Third-Generation Dual-Source Dual-Energy Computed Tomography Angiography of the Thorax and Abdomen. Investigative Radiology, 2016, 51, 582-590.	3.5	115
6	Virtual Monoenergetic Dual-Energy Computed Tomography. Investigative Radiology, 2014, 49, 735-741.	3.5	108
7	Contrast-Induced Nephropathy. Circulation, 2015, 132, 1931-1936.	1.6	97
8	Single- and dual-energy CT of the abdomen: comparison of radiation dose and image quality of 2nd and 3rd generation dual-source CT. European Radiology, 2017, 27, 642-650.	2.3	93
9	State-of-the-Art Pulmonary CT Angiography for Acute Pulmonary Embolism. American Journal of Roentgenology, 2017, 208, 495-504.	1.0	86
10	Dual energy computed tomography virtual monoenergetic imaging: technique and clinical applications. British Journal of Radiology, 2019, 92, 20180546.	1.0	81
11	Dual-Energy Computed Tomography Angiography of the Lower Extremity Runoff. Investigative Radiology, 2016, 51, 139-146.	3.5	69
12	Dual-energy CT of the pancreas: improved carcinoma-to-pancreas contrast with a noise-optimized monoenergetic reconstruction algorithm. European Journal of Radiology, 2015, 84, 2052-2058.	1.2	67
13	Evaluation of different keV-settings in dual-energy CT angiography of the aorta using advanced image-based virtual monoenergetic imaging. International Journal of Cardiovascular Imaging, 2016, 32, 137-144.	0.7	64
14	Dual-Energy CT–based Phantomless in Vivo Three-dimensional Bone Mineral Density Assessment of the Lumbar Spine. Radiology, 2014, 271, 778-784.	3.6	62
15	Contrast-induced nephropathy in CT: incidence, risk factors and strategies for prevention. European Radiology, 2016, 26, 3310-3318.	2.3	61
16	Iodine and Fat Quantification for Differentiation of Adrenal Gland Adenomas From Metastases Using Third-Generation Dual-Source Dual-Energy Computed Tomography. Investigative Radiology, 2018, 53, 173-178.	3.5	60
17	Diagnostic value of quantitative stenosis predictors with coronary CT angiography compared to invasive fractional flow reserve. European Journal of Radiology, 2015, 84, 1509-1515.	1.2	59
18	Virtual Noncalcium Dual-Energy CT: Detection of Lumbar Disk Herniation in Comparison with Standard Gray-scale CT. Radiology, 2019, 290, 446-455.	3.6	57

#	Article	IF	Citations
19	Virtual Monoenergetic Imaging and Iodine Perfusion Maps Improve Diagnostic Accuracy of Dual-Energy Computed Tomography Pulmonary Angiography With Suboptimal Contrast Attenuation. Investigative Radiology, 2017, 52, 659-665.	3.5	57
20	A noise-optimized virtual monoenergetic reconstruction algorithm improves the diagnostic accuracy of late hepatic arterial phase dual-energy CT for the detection of hypervascular liver lesions. European Radiology, 2018, 28, 3393-3404.	2.3	55
21	Virtual unenhanced imaging of the liver with third-generation dual-source dual-energy CT and advanced modeled iterative reconstruction. European Journal of Radiology, 2016, 85, 1257-1264.	1.2	53
22	Iodine quantification to distinguish hepatic neuroendocrine tumor metastasis from hepatocellular carcinoma at dual-source dual-energy liver CT. European Journal of Radiology, 2018, 105, 20-24.	1.2	52
23	Impact of an advanced image-based monoenergetic reconstruction algorithm on coronary stent visualization using third generation dual-source dual-energy CT: a phantom study. European Radiology, 2016, 26, 1871-1878.	2.3	50
24	Application of an Advanced Image-Based Virtual Monoenergetic Reconstruction of Dual Source Dual-Energy CT Data at Low keV Increases Image Quality for Routine Pancreas Imaging. Journal of Computer Assisted Tomography, 2015, 39, 716-720.	0.5	48
25	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CTÂAngiography for Diagnosis of Peripheral Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1116-1124.	2.3	47
26	Value of a noise-optimized virtual monoenergetic reconstruction technique in dual-energy CT for planning of transcatheter aortic valve replacement. European Radiology, 2017, 27, 705-714.	2.3	45
27	Dual-energy CT in patients with colorectal cancer: Improved assessment of hypoattenuating liver metastases using noise-optimized virtual monoenergetic imaging. European Journal of Radiology, 2018, 106, 184-191.	1.2	45
28	Optimization of window settings for virtual monoenergetic imaging in dual-energy CT of the liver: A multi-reader evaluation of standard monoenergetic and advanced imaged-based monoenergetic datasets. European Journal of Radiology, 2016, 85, 695-699.	1.2	44
29	Monoenergetic Dual-energy Computed Tomographic Imaging. Journal of Thoracic Imaging, 2017, 32, 151-158.	0.8	43
30	Dual-energy CT in early acute pancreatitis: improved detection using iodine quantification. European Radiology, 2019, 29, 2226-2232.	2.3	42
31	Dual-Energy Computed Tomographyâ€"Based Display of Bone Marrow Edema in Incidental Vertebral Compression Fractures. Investigative Radiology, 2018, 53, 409-416.	3.5	41
32	Color-coded virtual non-calcium dual-energy CT for the depiction of bone marrow edema in patients with acute knee trauma: a multireader diagnostic accuracy study. European Radiology, 2020, 30, 141-150.	2.3	41
33	Diagnostic Accuracy of Late Iodineâ€"Enhancement Dual-Energy Computed Tomography for the Detection of Chronic Myocardial Infarction Compared With Late Gadoliniumâ€"Enhancement 3-T Magnetic Resonance Imaging. Investigative Radiology, 2013, 48, 851-856.	3.5	40
34	Endoleaks after endovascular aortic aneurysm repair: Improved detection with noise-optimized virtual monoenergetic dual-energy CT. European Journal of Radiology, 2017, 94, 125-132.	1.2	40
35	Evaluation of virtual monoenergetic imaging algorithms for dual-energy carotid and intracerebral CT angiography: Effects on image quality, artefacts and diagnostic performance for the detection of stenosis. European Journal of Radiology, 2018, 99, 111-117.	1.2	40
36	Automated tube voltage selection for radiation dose and contrast medium reduction at coronary CT angiography using 3rd generation dual-source CT. European Radiology, 2016, 26, 3608-3616.	2.3	39

#	Article	IF	Citations
37	Noise-Optimized Virtual Monoenergetic Dual-Energy CT Improves Diagnostic Accuracy for the Detection of Active Arterial Bleeding of the Abdomen. Journal of Vascular and Interventional Radiology, 2017, 28, 1257-1266.	0.2	39
38	Cardiac Magnetic Resonance T1-Mapping of the Myocardium. Journal of Thoracic Imaging, 2018, 33, 71-80.	0.8	39
39	Absolute Versus Relative Myocardial Blood Flow by Dynamic CT Myocardial Perfusion Imaging in Patients With Anatomic Coronary Artery Disease. American Journal of Roentgenology, 2015, 205, W67-W72.	1.0	36
40	Comparison of Coronary Computed Tomography Angiography-Derived vs Invasive Fractional Flow Reserve Assessment. Academic Radiology, 2016, 23, 1402-1411.	1.3	36
41	Clinical feasibility of a myocardial signal intensity threshold-based semi-automated cardiac magnetic resonance segmentation method. European Radiology, 2016, 26, 1503-1511.	2.3	36
42	T(Rho) and magnetization transfer and INvErsion recovery (TRAMINER)â€prepared imaging: A novel contrastâ€enhanced flowâ€independent darkâ€blood technique for the evaluation of myocardial late gadolinium enhancement in patients with myocardial infarction. Journal of Magnetic Resonance Imaging, 2017, 45, 1429-1437.	1.9	36
43	Low contrast medium-volume third-generation dual-source computed tomography angiography for transcatheter aortic valve replacement planning. European Radiology, 2017, 27, 1944-1953.	2.3	36
44	Evaluation of microwave ablation of liver malignancy with enabled constant spatial energy control to achieve a predictable spherical ablation zone. International Journal of Hyperthermia, 2018, 34, 492-500.	1.1	36
45	Brain Default Mode Network Changes after Renal Transplantation: A Diffusion-Tensor Imaging and Resting-State Functional MR Imaging Study. Radiology, 2016, 278, 485-495.	3.6	35
46	Noise-optimized virtual monoenergetic dual-energy computed tomography: optimization of kiloelectron volt settings in patients with gastrointestinal stromal tumors. Abdominal Radiology, 2017, 42, 718-726.	1.0	35
47	Comparative evaluation of non-contrast CAIPIRINHA-VIBE 3T-MRI and multidetector CT for detection of pulmonary nodules: In vivo evaluation of diagnostic accuracy and image quality. European Journal of Radiology, 2016, 85, 193-198.	1.2	34
48	Prognostic Value of Stress Dynamic Myocardial Perfusion CT in a Multicenter Population With Known or Suspected Coronary Artery Disease. American Journal of Roentgenology, 2017, 208, 761-769.	1.0	32
49	High-pitch Dual-source Computed Tomography Pulmonary Angiography in Freely Breathing Patients. Journal of Thoracic Imaging, 2012, 27, 376-381.	0.8	31
50	Evaluation of monoenergetic late iodine enhancement dual-energy computed tomography for imaging of chronic myocardial infarction. European Radiology, 2014, 24, 1211-1218.	2.3	31
51	Quantitative dual-energy CT for phantomless evaluation of cancellous bone mineral density of the vertebral pedicle: correlation with pedicle screw pull-out strength. European Radiology, 2015, 25, 1714-1720.	2.3	31
52	70 kVp Computed Tomography Pulmonary Angiography. Journal of Thoracic Imaging, 2015, 30, 69-76.	0.8	31
53	Diagnostic accuracy of quantitative dual-energy CT-based volumetric bone mineral density assessment for the prediction of osteoporosis-associated fractures. European Radiology, 2022, 32, 3076-3084.	2.3	31
54	Noise-optimized advanced image-based virtual monoenergetic imaging for improved visualization of lung cancer: Comparison with traditional virtual monoenergetic imaging. European Journal of Radiology, 2016, 85, 665-672.	1.2	30

#	Article	IF	Citations
55	70-kVp High-pitch Computed Tomography Pulmonary Angiography with 40â€‰mL Contrast Agent. Academic Radiology, 2015, 22, 1562-1570.	1.3	29
56	Dynamic CT myocardial perfusion imaging identifies early perfusion abnormalities in diabetes and hypertension: Insights from a multicenter registry. Journal of Cardiovascular Computed Tomography, 2016, 10, 301-308.	0.7	29
57	Approaches to ultra-low radiation dose coronary artery calcium scoring based on 3rd generation dual-source CT: A phantom study. European Journal of Radiology, 2016, 85, 39-47.	1.2	29
58	Diagnostic accuracy of quantitative dual-energy CT-based bone mineral density assessment in comparison to Hounsfield unit measurements using dual x-ray absorptiometry as standard of reference. European Journal of Radiology, 2020, 132, 109321.	1.2	28
59	Optimization of window settings for standard and advanced virtual monoenergetic imaging in abdominal dual-energy CT angiography. Abdominal Radiology, 2017, 42, 772-780.	1.0	27
60	Coronary CT angiography in obese patients using 3rd generation dual-source CT: effect of body mass index on image quality. European Radiology, 2016, 26, 2937-2946.	2.3	26
61	Diagnostic accuracy of coronary CT angiography using 3rd-generation dual-source CT and automated tube voltage selection: Clinical application in a non-obese and obese patient population. European Radiology, 2017, 27, 2298-2308.	2.3	26
62	Single- and dual-energy CT pulmonary angiography using second- and third-generation dual-source CT systems: comparison of radiation dose and image quality. European Radiology, 2019, 29, 4603-4612.	2.3	26
63	Dual-Energy Computed Tomography Virtual Monoenergetic Imaging of Lung Cancer. Journal of Computer Assisted Tomography, 2016, 40, 80-85.	0.5	25
64	Effect of automated tube voltage selection, integrated circuit detector and advanced iterative reconstruction on radiation dose and image quality of 3rd generation dual-source aortic CT angiography: An intra-individual comparison. European Journal of Radiology, 2016, 85, 972-978.	1.2	25
65	A noise-optimized virtual monochromatic reconstruction algorithm improves stent visualization and diagnostic accuracy for detection of in-stent re-stenosis in lower extremity run-off CT angiography. European Radiology, 2016, 26, 4380-4389.	2.3	25
66	Improved coronary artery contrast enhancement using noise-optimised virtual monoenergetic imaging from dual-source dual-energy computed tomography. European Journal of Radiology, 2020, 122, 108666.	1.2	25
67	Impact of noise-optimized virtual monoenergetic dual-energy computed tomography on image quality in patients with renal cell carcinoma. European Journal of Radiology, 2017, 97, 1-7.	1.2	24
68	Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mappingâ€"based Synthetic Inversion-Recovery Imaging. Radiology, 2016, 278, 374-382.	3.6	23
69	Global quantification of left ventricular myocardial perfusion at dynamic CT imaging: Prognostic value. Journal of Cardiovascular Computed Tomography, 2017, 11, 16-24.	0.7	23
70	Optimisation of window settings for traditional and noise-optimised virtual monoenergetic imaging in dual-energy computed tomography pulmonary angiography. European Radiology, 2018, 28, 1393-1401.	2.3	23
71	Automated Tube Voltage Adaptation in Combination with Advanced Modeled Iterative Reconstruction in Thoracoabdominal Third-Generation 192-Slice Dual-Source Computed Tomography. Academic Radiology, 2015, 22, 1081-1087.	1.3	22
72	Objective and subjective image quality of primary and recurrent squamous cell carcinoma on head and neck low-tube-voltage 80-kVp computed tomography. Neuroradiology, 2015, 57, 645-651.	1.1	22

#	Article	IF	Citations
73	Third-generation dual-source CT of the neck using automated tube voltage adaptation in combination with advanced modeled iterative reconstruction: evaluation of image quality and radiation dose. European Radiology, 2016, 26, 2623-2631.	2.3	22
74	Modified calcium subtraction in dual-energy CT angiography of the lower extremity runoff: impact on diagnostic accuracy for stenosis detection. European Radiology, 2019, 29, 4783-4793.	2.3	22
75	Single-portal-phase low-tube-voltage dual-energy CT for short-term follow-up of acute pancreatitis: evaluation of CT severity index, interobserver agreement and radiation dose. European Radiology, 2014, 24, 2927-2935.	2.3	21
76	Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. European Journal of Radiology, 2015, 84, 2401-2410.	1.2	21
77	Dual-energy CT-based iodine quantification to differentiate abdominal malignant lymphoma from lymph node metastasis. European Journal of Radiology, 2018, 105, 255-260.	1.2	21
78	Traumatic bone marrow edema of the calcaneus: Evaluation of color-coded virtual non-calcium dual-energy CT in a multi-reader diagnostic accuracy study. European Journal of Radiology, 2019, 118, 207-214.	1.2	20
79	Diagnostic Accuracy of Noncontrast Self-navigated Free-breathing MR Angiography versus CT Angiography: A Prospective Study in Pediatric Patients with Suspected Anomalous Coronary Arteries. Academic Radiology, 2019, 26, 1309-1317.	1.3	20
80	Virtual non-calcium dual-energy CT: clinical applications. European Radiology Experimental, 2021, 5, 38.	1.7	20
81	Advanced Modeled Iterative Reconstruction in Low-Tube-Voltage Contrast-Enhanced Neck CT: Evaluation of Objective and Subjective Image Quality. American Journal of Neuroradiology, 2016, 37, 143-150.	1.2	19
82	Evaluation of bone mineral density of the lumbar spine using a novel phantomless dual-energy CT post-processing algorithm in comparison with dual-energy X-ray absorptiometry. European Radiology Experimental, 2017, 1, 11.	1.7	19
83	Improved long-term durability of allogeneic heart valves in the orthotopic sheep model. European Journal of Cardio-thoracic Surgery, 2019, 55, 484-493.	0.6	19
84	Systematic Comparison of Reduced Tube Current Protocols for High-pitch and Standard-pitch Pulmonary CT Angiography in a Large Single-center Population. Academic Radiology, 2016, 23, 619-627.	1.3	18
85	Comparison of Radiation Dose and Image Quality of Contrast-Enhanced Dual-Source CT of the Chest: Single-Versus Dual-Energy and Second-Versus Third-Generation Technology. American Journal of Roentgenology, 2019, 212, 741-747.	1.0	18
86	Computed Tomography Imaging of Coronary Artery Plaque. Radiologic Clinics of North America, 2015, 53, 307-315.	0.9	17
87	Iterative Reconstruction Leads to Increased Subjective and Objective Image Quality in Cranial CT in Patients With Stroke. American Journal of Roentgenology, 2015, 205, 618-622.	1.0	17
88	Diagnostic accuracy of color-coded virtual noncalcium dual-energy CT for the assessment of bone marrow edema in sacral insufficiency fracture in comparison to MRI. European Journal of Radiology, 2020, 129, 109046.	1.2	17
89	Correction Factors for CT Coronary Artery Calcium Scoring Using Advanced Modeled Iterative Reconstruction Instead of Filtered Back Projection. Academic Radiology, 2016, 23, 1480-1489.	1.3	16
90	Incremental diagnostic value of color-coded virtual non-calcium dual-energy CT for the assessment of traumatic bone marrow edema of the scaphoid. European Radiology, 2021, 31, 4428-4437.	2.3	16

#	Article	IF	Citations
91	Prospectively ECG-Triggered Sequential Dual-Source Coronary CT Angiography in Patients with Atrial Fibrillation: Influence of Heart Rate on Image Quality and Evaluation of Diagnostic Accuracy. PLoS ONE, 2015, 10, e0134194.	1.1	15
92	Semiautomated Global Quantification of Left Ventricular Myocardial Perfusion at Stress Dynamic CT:. Academic Radiology, 2016, 23, 429-437.	1.3	15
93	Quantitative evaluation of beam-hardening artefact correction in dual-energy CT myocardial perfusion imaging. European Radiology, 2016, 26, 3215-3222.	2.3	15
94	Acute kidney injury in patients with nephrotic syndrome undergoing contrast-enhanced CT for suspected venous thromboembolism: a propensity score-matched retrospective cohort study. European Radiology, 2018, 28, 1585-1593.	2.3	15
95	Accuracy and precision of volumetric bone mineral density assessment using dual-source dual-energy versus quantitative CT: a phantom study. European Radiology Experimental, 2021, 5, 43.	1.7	15
96	Non-linear blending of dual-energy CT data improves depiction of late iodine enhancement in chronic myocardial infarction. International Journal of Cardiovascular Imaging, 2014, 30, 1145-1150.	0.7	14
97	Dual-energy computed tomography in patients with cutaneous malignant melanoma: Comparison of noise-optimized and traditional virtual monoenergetic imaging. European Journal of Radiology, 2017, 95, 1-8.	1.2	14
98	Virtual non-enhanced dual-energy CT reconstruction may replace true non-enhanced CT scans in the setting of suspected active hemorrhage. European Journal of Radiology, 2018, 109, 218-222.	1.2	14
99	Comprehensive comparison of dual-energy computed tomography and magnetic resonance imaging for the assessment of bone marrow edema and fracture lines in acute vertebral fractures. European Radiology, 2022, 32, 561-571.	2.3	14
100	Transcatheter Aortic Valve Replacement. Journal of Thoracic Imaging, 2015, 30, 349-358.	0.8	13
101	Dual-Energy CT in Patients with Suspected Gouty Arthritis:. Academic Radiology, 2016, 23, 267-272.	1.3	13
102	CT angiography for planning transcatheter aortic valve replacement using automated tube voltage selection: Image quality and radiation exposure. European Journal of Radiology, 2017, 86, 276-283.	1.2	12
103	90-kVp low-tube-voltage CT pulmonary angiography in combination with advanced modeled iterative reconstruction algorithm: effects on radiation dose, image quality and diagnostic accuracy for the detection of pulmonary embolism. British Journal of Radiology, 2018, 91, 20180269.	1.0	12
104	Relationship Between Pregnancy Complications and Subsequent Coronary Artery Disease Assessed by Coronary Computed Tomographic Angiography in Black Women. Circulation: Cardiovascular Imaging, 2019, 12, e008754.	1.3	12
105	Assessment of thoracic disk herniation by using virtual noncalcium dual-energy CT in comparison with standard grayscale CT. European Radiology, 2021, 31, 9221-9231.	2.3	12
106	Effect of reduced z-axis scan coverage on diagnostic performance and radiation dose of neck computed tomography in patients with suspected cervical abscess. PLoS ONE, 2017, 12, e0180671.	1.1	10
107	Incremental Diagnostic Value of Virtual Noncalcium Dual-Energy Computed Tomography for the Depiction of Cervical Disk Herniation Compared With Standard Gray-Scale Computed Tomography. Investigative Radiology, 2021, 56, 207-214.	3.5	10
108	Vascular Imaging Before Transcatheter Aortic Valve Replacement (TAVR): Why and How?. Current Cardiology Reports, 2016, 18, 14.	1.3	9

#	Article	IF	Citations
109	Detecting Intracranial Hemorrhage Using Automatic Tube Current Modulation With Advanced Modeled Iterative Reconstruction in Unenhanced Head Single- and Dual-Energy Dual-Source CT. American Journal of Roentgenology, 2017, 208, 1089-1096.	1.0	9
110	Miscellaneous and Emerging Applications of Dual-Energy Computed Tomography for the Evaluation of Pathologies in the Head and Neck. Neuroimaging Clinics of North America, 2017, 27, 469-482.	0.5	9
111	Diagnostic yield of 90-kVp low-tube-voltage carotid and intracerebral CT-angiography: effects on radiation dose, image quality and diagnostic performance for the detection of carotid stenosis. British Journal of Radiology, 2018, 91, 20170927.	1.0	9
112	Multi-observer comparison study between unenhanced quiescent-interval single-shot magnetic resonance angiography and invasive carbon dioxide angiography in patients with peripheral arterial disease and chronic renal insufficiency. European Journal of Radiology, 2018, 108, 140-146.	1.2	9
113	Carotid and cerebrovascular dual-energy computed tomography angiography: Optimization of window settings for virtual monoenergetic imaging reconstruction. European Journal of Radiology, 2020, 130, 109166.	1.2	9
114	Impact of Intravenously Injected Contrast Agent on Bone Mineral Density Measurement in Dual-Source Dual-Energy CT. Academic Radiology, 2022, 29, 880-887.	1.3	9
115	Evaluation of MRI T1-based treatment monitoring during laser-induced thermotherapy of liver metastases for necrotic size prediction. International Journal of Hyperthermia, 2014, 30, 19-26.	1.1	8
116	Single-source chest-abdomen-pelvis cancer staging on a third generation dual-source CT system: comparison of automated tube potential selection to second generation dual-source CT. Cancer Imaging, 2016, 16, 33.	1.2	8
117	Impact of T-cell-mediated immune response on xenogeneic heart valve transplantation: short-term success and mid-term failure. European Journal of Cardio-thoracic Surgery, 2018, 53, 784-792.	0.6	8
118	Dual-Energy CT Post-processing Applications. Current Radiology Reports, 2015, 3, 1.	0.4	7
119	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. European Radiology, 2017, 27, 3235-3243.	2.3	7
120	Diagnostic accuracy of color-coded virtual noncalcium reconstructions derived from portal venous phase dual-energy CT in the assessment of lumbar disk herniation. European Radiology, 2022, 32, 2168-2177.	2.3	7
121	Advanced Virtual Monoenergetic Imaging: Improvement of Visualization and Differentiation of Intramuscular Lesions in Portal-Venous-phase Contrast-enhanced Dual-energy CT. Academic Radiology, 2019, 26, 1457-1465.	1.3	6
122	Dual-Energy CT for the Detection of Portal Vein Thrombosis: Improved Diagnostic Performance Using Virtual Monoenergetic Reconstructions. Diagnostics, 2022, 12, 1682.	1.3	5
123	Dose and image quality of high-pitch dual source computed tomography for the evaluation of cervical lymph node status – Comparison to regular 128-slice single source computed tomography. European Journal of Radiology, 2013, 82, e281-e285.	1.2	4
124	Dose levels and image quality of second-generation 128-slice dual-source coronary CT angiography in clinical routine. Radiologia Medica, 2015, 120, 1112-1121.	4.7	4
125	Chondral lesions in the patellofemoral joint in MRI: Intra-individual comparison of short-tau inversion recovery sequence (STIR) with 2D multiple-echo data image combination sequence (MEDIC). European Journal of Radiology Open, 2016, 3, 259-263.	0.7	4
126	Association of aortic root calcification severity with the extent of coronary artery calcification assessed by calcium-scoring dual-source computed tomography. European Journal of Radiology, 2015, 84, 1910-1914.	1.2	3

#	Article	IF	Citations
127	High-pitch dual-source paranasal sinus CT in agitated patients with maxillofacial trauma: analysis of image quality, motion artifacts, and dose aspects. Acta Radiologica, 2018, 59, 909-916.	0.5	3
128	Improved visual delineation of the intimal flap in Stanford type A and B dissections at 3rd generation dual-source high-pitch CT angiography. Radiologia Medica, 2016, 121, 573-579.	4.7	2
129	Automated Attenuation Based Tube Potential Selection of the Lower Extremity Runoff. Journal of Computer Assisted Tomography, 2017, 41, 817-822.	0.5	2
130	Computed tomography of dynamic changes of the aortic root during systole and diastole in patients with coronary artery calcification. Radiologia Medica, 2015, 120, 595-602.	4.7	1
131	Dual-Energy CT Pulmonary Angiography: Quantification of Disease Burden and Impact on Management. Current Radiology Reports, 2018, 6, 1.	0.4	1
132	Evaluation of Radiation Dose and Image Quality using High-Pitch 70-kV Chest CT in Immunosuppressed Patients. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2019, 191, 122-129.	0.7	1
133	Skeletal Imaging: Bones. Medical Radiology, 2022, , 301-313.	0.0	1
134	Overview of Myocardial T1 Mapping Applications. Current Radiology Reports, 2015, 3, 1.	0.4	0
135	The brain following transjugular intrahepatic portosystemic shunt: the perspective from neuroimaging. Metabolic Brain Disease, 2015, 30, 1331-1341.	1.4	0
136	From low-dose to no-dose: thin-section magnetic resonance imaging for evaluation of pulmonary nodules. Journal of Thoracic Disease, 2018, 10, S1055-S1057.	0.6	0
137	Dual Energy CT in Liver Tumors. , 2015, , 59-73.		0
138	CT Imaging of Ischemic Heart Disease. Medical Radiology, 2016, , 341-359.	0.0	0