

U Joseph Schoepf

List of Publications by Year in descending order

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599
papers

23,775
citations

10979

71
h-index

16164

124
g-index

605
all docs

605
docs citations

605
times ranked

13648
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the Art: Iterative CT Reconstruction Techniques. <i>Radiology</i> , 2015, 276, 339-357.	3.6	519
2	CAD-RADSTM Coronary Artery Disease " Reporting and Data System. An expert consensus document of the Society of Cardiovascular Computed Tomography (SCCT), the American College of Radiology (ACR) and the North American Society for Cardiovascular Imaging (NASCI). Endorsed by the American College of Cardiology. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 269-281.	0.7	480
3	Right Ventricular Enlargement on Chest Computed Tomography. <i>Circulation</i> , 2004, 110, 3276-3280.	1.6	468
4	A clinical prediction rule for the diagnosis of coronary artery disease: validation, updating, and extension. <i>European Heart Journal</i> , 2011, 32, 1316-1330.	1.0	427
5	CT Angiography for Diagnosis of Pulmonary Embolism: State of the Art. <i>Radiology</i> , 2004, 230, 329-337.	3.6	386
6	Subsegmental Pulmonary Emboli: Improved Detection with Thin-Collimation Multi-Detector Row Spiral CT. <i>Radiology</i> , 2002, 222, 483-490.	3.6	355
7	Right Ventricular Enlargement on Chest Computed Tomography. <i>Circulation</i> , 2004, 109, 2401-2404.	1.6	328
8	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. <i>European Heart Journal</i> , 2019, 40, 1975-1986.	1.0	327
9	Multi-Detector Row CT Systems and Image-Reconstruction Techniques. <i>Radiology</i> , 2005, 235, 756-773.	3.6	326
10	Clinical Validity of a Negative Computed Tomography Scan in Patients With Suspected Pulmonary Embolism. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 2012.	3.8	284
11	CT of Coronary Artery Disease. <i>Radiology</i> , 2004, 232, 18-37.	3.6	283
12	Diagnostic Accuracy of a Machine-Learning Approach to Coronary Computed Tomographic Angiography-Based Fractional Flow Reserve. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007217.	1.3	280
13	Coronary Artery Calcium Measurement. <i>American Journal of Roentgenology</i> , 2001, 176, 1295-1298.	1.0	275
14	ECG-gated Reconstructed Multi-Detector Row CT Coronary Angiography: Effect of Varying Trigger Delay on Image Quality. <i>Radiology</i> , 2001, 220, 712-717.	3.6	252
15	CAD-RADS _{CT} : Coronary Artery Disease " Reporting and Data System. <i>Journal of the American College of Radiology</i> , 2016, 13, 1458-1466.e9.	0.9	251
16	Coronary CT angiography: image quality, diagnostic accuracy, and potential for radiation dose reduction using a novel iterative image reconstruction technique " comparison with traditional filtered back projection. <i>European Radiology</i> , 2011, 21, 2130-2138.	2.3	250
17	Ex vivo coronary atherosclerotic plaque characterization with multi-detector-row CT. <i>European Radiology</i> , 2003, 13, 2094-2098.	2.3	235
18	Predictive Value of Computed Tomography in Acute Pulmonary Embolism: Systematic Review and Meta-analysis. <i>American Journal of Medicine</i> , 2015, 128, 747-759.e2.	0.6	231

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19	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. <i>BMJ, The</i> , 2012, 344, e3485-e3485.	3.0	225
20	Spiral Computed Tomography for Acute Pulmonary Embolism. <i>Circulation</i> , 2004, 109, 2160-2167.	1.6	221
21	Dual-energy CT of the heart for diagnosing coronary artery stenosis and myocardial ischemia-initial experience. <i>European Radiology</i> , 2008, 18, 2414-2424.	2.3	215
22	Coronary Artery Calcium: Absolute Quantification in Nonenhanced and Contrast-enhanced Multi-Detector Row CT Studies. <i>Radiology</i> , 2002, 223, 474-480.	3.6	182
23	Imaging of Noncalcified Coronary Plaques Using Helical CT with Retrospective ECG Gating. <i>American Journal of Roentgenology</i> , 2000, 175, 423-424.	1.0	181
24	Comparison of Diagnostic Value of a Novel Noninvasive Coronary Computed Tomography Angiography Method Versus Standard Coronary Angiography for Assessing Fractional Flow Reserve. <i>American Journal of Cardiology</i> , 2014, 114, 1303-1308.	0.7	171
25	CT Signs of Right Ventricular Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 841-849.	2.3	167
26	Closing in on the K Edge: Coronary CT Angiography at 100, 80, and 70 kVp—Initial Comparison of a Second- versus a Third-Generation Dual-Source CT System. <i>Radiology</i> , 2014, 273, 373-382.	3.6	167
27	Comparison of Dual-Energy Computed Tomography of the Heart With Single Photon Emission Computed Tomography for Assessment of Coronary Artery Stenosis and of the Myocardial Blood Supply. <i>American Journal of Cardiology</i> , 2009, 104, 318-326.	0.7	166
28	Dual-Energy CT: Radiation Dose Aspects. <i>American Journal of Roentgenology</i> , 2012, 199, S16-S25.	1.0	165
29	Coronary Artery Disease - Reporting and Data System (CAD-RADS). <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1099-1113.	2.3	165
30	Coronary CT Angiography-derived Fractional Flow Reserve: Machine Learning Algorithm versus Computational Fluid Dynamics Modeling. <i>Radiology</i> , 2018, 288, 64-72.	3.6	165
31	Evaluation of Heavily Calcified Vessels with Coronary CT Angiography: Comparison of Iterative and Filtered Back Projection Image Reconstruction. <i>Radiology</i> , 2011, 260, 390-399.	3.6	162
32	Optimal Contrast Application for Cardiac 4-Detector-Row Computed Tomography. <i>Investigative Radiology</i> , 2003, 38, 690-694.	3.5	156
33	Cinematic Rendering in CT: A Novel, Lifelike 3D Visualization Technique. <i>American Journal of Roentgenology</i> , 2017, 209, 370-379.	1.0	152
34	Coronary CT Angiography-derived Fractional Flow Reserve. <i>Radiology</i> , 2017, 285, 17-33.	3.6	152
35	Advances in Cardiac Imaging with 16-Section CT Systems. <i>Academic Radiology</i> , 2003, 10, 386-401.	1.3	151
36	Coronary CT Angiography. <i>Radiology</i> , 2007, 244, 48-63.	3.6	136

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37	Dual-Energy CT of the Lung. American Journal of Roentgenology, 2012, 199, S40-S53.	1.0	135
38	Review of Clinical Applications for Virtual Monoenergetic Dual-Energy CT. Radiology, 2019, 293, 260-271.	3.6	133
39	CT in Transcatheter Aortic Valve Replacement. Radiology, 2013, 269, 650-669.	3.6	130
40	Adenosine-Stress Dynamic Myocardial Perfusion Imaging With Second-Generation Dual-Source CT: Comparison With Conventional Catheter Coronary Angiography and SPECT Nuclear Myocardial Perfusion Imaging. American Journal of Roentgenology, 2012, 198, 521-529.	1.0	124
41	Adenosine-Stress Dynamic Myocardial CT Perfusion Imaging. Investigative Radiology, 2010, 45, 306-313.	3.5	121
42	Contrast-Enhanced Dual-Energy CT of Gastrointestinal Stromal Tumors. Investigative Radiology, 2012, 47, 65-70.	3.5	117
43	Adenosine-stress dynamic real-time myocardial perfusion CT and adenosine-stress first-pass dual-energy myocardial perfusion CT for the assessment of acute chest pain: Initial results. European Journal of Radiology, 2012, 81, 3703-3710.	1.2	115
44	Significant Coronary Artery Stenosis: Comparison on Per-Patient and Per-Vessel or Per-Segment Basis at 64-Section CT Angiography. Radiology, 2007, 244, 112-120.	3.6	109
45	Detection of Coronary Artery Stenoses With Multislice Helical CT Angiography. Journal of Computer Assisted Tomography, 2002, 26, 750-755.	0.5	107
46	Right Heart: Split-Bolus Injection of Diluted Contrast Medium for Visualization at Coronary CT Angiography. Radiology, 2008, 247, 356-364.	3.6	104
47	Image quality and radiation dose of low dose coronary CT angiography in obese patients: Sinogram affirmed iterative reconstruction versus filtered back projection. European Journal of Radiology, 2012, 81, 3141-3145.	1.2	101
48	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. BMJ: British Medical Journal, 2019, 365, l1945.	2.4	99
49	CT Angiography after 20 Years: A Transformation in Cardiovascular Disease Characterization Continues to Advance. Radiology, 2014, 271, 633-652.	3.6	98
50	Dual-energy CT of the heartâ€™Principles and protocols. European Journal of Radiology, 2008, 68, 423-433.	1.2	97
51	Pediatric Cardiovascular CT Angiography: Radiation Dose Reduction Using Automatic Anatomic Tube Current Modulation. American Journal of Roentgenology, 2008, 190, 1232-1240.	1.0	97
52	Contrast-Induced Nephropathy. Circulation, 2015, 132, 1931-1936.	1.6	97
53	CT evaluation of coronary artery stents with iterative image reconstruction: improvements in image quality and potential for radiation dose reduction. European Radiology, 2013, 23, 125-132.	2.3	96
54	Dual energy CT pulmonary blood volume assessment in acute pulmonary embolism â€™ correlation with D-dimer level, right heart strain and clinical outcome. European Radiology, 2011, 21, 1914-1921.	2.3	95

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55	Electrocardiographically Gated Thin-Section CT of the Lung. <i>Radiology</i> , 1999, 212, 649-654.	3.6	94
56	Dual-Energy CT of the Heart. <i>American Journal of Roentgenology</i> , 2012, 199, S54-S63.	1.0	93
57	Single- and dual-energy CT of the abdomen: comparison of radiation dose and image quality of 2nd and 3rd generation dual-source CT. <i>European Radiology</i> , 2017, 27, 642-650.	2.3	93
58	Conformational Pulsatile Changes of the Aortic Annulus. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 984-994.	1.1	89
59	Pulmonary Embolism: Comprehensive Diagnosis by Using Electron-Beam CT for Detection of Emboli and Assessment of Pulmonary Blood Flow. <i>Radiology</i> , 2000, 217, 693-700.	3.6	88
60	White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 1. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 841-845.	0.5	86
61	State-of-the-Art Pulmonary CT Angiography for Acute Pulmonary Embolism. <i>American Journal of Roentgenology</i> , 2017, 208, 495-504.	1.0	86
62	Iterative Reconstruction to Preserve Image Quality and Diagnostic Accuracy at Reduced Radiation Dose in Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 1239-1249.	2.3	83
63	A clinically applicable deep-learning model for detecting intracranial aneurysm in computed tomography angiography images. <i>Nature Communications</i> , 2020, 11, 6090.	5.8	83
64	CT of Coronary Artery Disease. <i>Radiology</i> , 2009, 253, 317-338.	3.6	80
65	Prognostic value of perfusion defect volume at dual energy CTA in patients with pulmonary embolism: Correlation with CTA obstruction scores, CT parameters of right ventricular dysfunction and adverse clinical outcome. <i>European Journal of Radiology</i> , 2012, 81, 3592-3597.	1.2	80
66	First-â€œArterial-Pass Dual-Energy CT for Assessment of Myocardial Blood Supply: Do We Need Rest, Stress, and Delayed Acquisition? Comparison with SPECT. <i>Radiology</i> , 2014, 270, 708-716.	3.6	80
67	Myocardial Ischemia Diagnosed by Dual-Energy Computed Tomography. <i>Circulation</i> , 2008, 117, 1244-1245.	1.6	79
68	Iterative image reconstruction techniques: Applications for cardiac CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 225-230.	0.7	78
69	CT Myocardial Perfusion Imaging. <i>American Journal of Roentgenology</i> , 2015, 204, 487-497.	1.0	78
70	CT FFR for Ischemia-Specific CAD With a New Computational Fluid Dynamics Algorithm. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 980-990.	2.3	78
71	Quantification of left and right ventricular function and myocardial mass: Comparison of low-radiation dose 2nd generation dual-source CT and cardiac MRI. <i>European Journal of Radiology</i> , 2012, 81, e598-e604.	1.2	76
72	Accuracy of dual-energy computed tomography for the measurement of iodine concentration using cardiac CT protocols: validation in a phantom model. <i>European Radiology</i> , 2014, 24, 512-518.	2.3	74

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73	Image quality and radiation dose of low tube voltage 3rd generation dual-source coronary CT angiography in obese patients: a phantom study. <i>European Radiology</i> , 2014, 24, 1643-1650.	2.3	73
74	Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 760-770.	2.3	73
75	Multislice Helical CT of Focal and Diffuse Lung Disease. <i>American Journal of Roentgenology</i> , 2001, 177, 179-184.	1.0	72
76	Dual-energy CT lung ventilation/perfusion imaging for diagnosing pulmonary embolism. <i>European Radiology</i> , 2013, 23, 2666-2675.	2.3	72
77	High-pitch computed tomography pulmonary angiography with iterative reconstruction at 80 kVp and 20 mL contrast agent volume. <i>European Radiology</i> , 2014, 24, 3260-3268.	2.3	71
78	Atrial and Ventricular Functional and Structural Adaptations of the Heart in Elite Triathletes Assessed with Cardiac MR Imaging. <i>Radiology</i> , 2010, 257, 71-79.	3.6	70
79	Coronary CT angiography-derived plaque quantification with artificial intelligence CT fractional flow reserve for the identification of lesion-specific ischemia. <i>European Radiology</i> , 2019, 29, 2378-2387.	2.3	70
80	Dual-Energy Computed Tomography Angiography of the Lower Extremity Runoff. <i>Investigative Radiology</i> , 2016, 51, 139-146.	3.5	69
81	Update on Cardiovascular Applications of Multienergy CT. <i>Radiographics</i> , 2017, 37, 1955-1974.	1.4	68
82	64 slice cardiovascular CT in the Emergency Department: concepts and first experiences. <i>Radiologia Medica</i> , 2006, 111, 481-496.	4.7	67
83	Dual-energy CT of the pancreas: improved carcinoma-to-pancreas contrast with a noise-optimized monoenergetic reconstruction algorithm. <i>European Journal of Radiology</i> , 2015, 84, 2052-2058.	1.2	67
84	Noncalcified Atherosclerotic Plaque Burden at Coronary CT Angiography: A Better Predictor of Ischemia at Stress Myocardial Perfusion Imaging Than Calcium Score and Stenosis Severity. <i>American Journal of Roentgenology</i> , 2009, 193, 410-418.	1.0	66
85	Cardiothoracic CT Angiography: Current Contrast Medium Delivery Strategies. <i>American Journal of Roentgenology</i> , 2011, 196, W260-W272.	1.0	65
86	Quantification of Coronary Artery Calcium on the Basis of Dual-Energy Coronary CT Angiography. <i>Radiology</i> , 2012, 264, 700-707.	3.6	65
87	Pulmonary Embolism and Renal Vein Thrombosis in Patients with Nephrotic Syndrome: Prospective Evaluation of Prevalence and Risk Factors with CT. <i>Radiology</i> , 2014, 273, 897-906.	3.6	65
88	Leukocyte telomere length and coronary artery calcification. <i>Atherosclerosis</i> , 2010, 210, 262-267.	0.4	64
89	Comparison of image quality and radiation dose of different pulmonary CTA protocols on a 128-slice CT: high-pitch dual source CT, dual energy CT and conventional spiral CT. <i>European Radiology</i> , 2012, 22, 279-286.	2.3	64
90	Use of multidetector computed tomography for the assessment of acute chest pain: a consensus statement of the North American Society of Cardiac Imaging and the European Society of Cardiac Radiology. <i>European Radiology</i> , 2007, 17, 2196-2207.	2.3	63

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91	Role of Imaging in Penetrating and Blunt Traumatic Injury to the Heart. <i>Radiographics</i> , 2011, 31, E101-E115.	1.4	63
92	Detection of coronary artery stenosis with sub-milliSievert radiation dose by prospectively ECG-triggered high-pitch spiral CT angiography and iterative reconstruction. <i>European Radiology</i> , 2013, 23, 2927-2933.	2.3	63
93	Coronary CT angiography-derived fractional flow reserve correlated with invasive fractional flow reserve measurements – initial experience with a novel physician-driven algorithm. <i>European Radiology</i> , 2015, 25, 1201-1207.	2.3	63
94	Dual-Energy Computed Tomography for Integrative Imaging of Coronary Artery Disease: Principles and Clinical Applications. <i>Seminars in Ultrasound, CT and MRI</i> , 2010, 31, 276-291.	0.7	62
95	Xenon-Enhanced Dual-Energy CT Lung Ventilation Imaging: Techniques and Clinical Applications. <i>American Journal of Roentgenology</i> , 2014, 202, 309-317.	1.0	62
96	Monoenergetic extrapolation of cardiac dual energy CT for artifact reduction. <i>Acta Radiologica</i> , 2015, 56, 413-418.	0.5	62
97	Dual-Source CT Imaging to Plan Transcatheter Aortic Valve Replacement: Accuracy for Diagnosis of Obstructive Coronary Artery Disease. <i>Radiology</i> , 2015, 275, 80-88.	3.6	62
98	The dream of a one-stop-shop: Meta-analysis on myocardial perfusion CT. <i>European Journal of Radiology</i> , 2015, 84, 2411-2420.	1.2	61
99	Contrast-induced nephropathy in CT: incidence, risk factors and strategies for prevention. <i>European Radiology</i> , 2016, 26, 3310-3318.	2.3	61
100	CT imaging of acute pulmonary embolism. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 3-11.	0.7	60
101	Prognostic value of epicardial fat volume measurements by computed tomography: a systematic review of the literature. <i>European Radiology</i> , 2015, 25, 3372-3381.	2.3	60
102	Computer-Aided Diagnosis as a Second Reader. <i>Chest</i> , 2005, 128, 1517-1523.	0.4	59
103	Reproducibility of CT Signs of Right Ventricular Dysfunction in Acute Pulmonary Embolism. <i>American Journal of Roentgenology</i> , 2010, 194, 1500-1506.	1.0	59
104	Incremental Prognostic Value of Different Components of Coronary Atherosclerotic Plaque at Cardiac CT Angiography beyond Coronary Calcification in Patients with Acute Chest Pain. <i>Radiology</i> , 2012, 264, 679-690.	3.6	59
105	Diagnostic value of quantitative stenosis predictors with coronary CT angiography compared to invasive fractional flow reserve. <i>European Journal of Radiology</i> , 2015, 84, 1509-1515.	1.2	59
106	Coronary CT angiography derived morphological and functional quantitative plaque markers correlated with invasive fractional flow reserve for detecting hemodynamically significant stenosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 199-206.	0.7	59
107	Automated detection of lung nodules and coronary artery calcium using artificial intelligence on low-dose CT scans for lung cancer screening: accuracy and prognostic value. <i>BMC Medicine</i> , 2021, 19, 55.	2.3	59
108	Radiation Dose and Image Quality at High-Pitch CT Angiography of the Aorta: Intraindividual and Interindividual Comparisons With Conventional CT Angiography. <i>American Journal of Roentgenology</i> , 2012, 199, 1402-1409.	1.0	58

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109	Feasibility of prospectively ECG-triggered high-pitch coronary CT angiography with 30ÂmL iodinated contrast agent at 70ÂkVp: initial experience. <i>European Radiology</i> , 2014, 24, 1537-1546.	2.3	58
110	Pulmonary Embolism: Computer-aided Detection at Multidetector Row Spiral Computed Tomography. <i>Journal of Thoracic Imaging</i> , 2007, 22, 319-323.	0.8	57
111	Detection and size measurements of pulmonary nodules in ultra-low-dose CT with iterative reconstruction compared to low dose CT. <i>European Journal of Radiology</i> , 2016, 85, 564-570.	1.2	57
112	Virtual Monoenergetic Imaging and Iodine Perfusion Maps Improve Diagnostic Accuracy of Dual-Energy Computed Tomography Pulmonary Angiography With Suboptimal Contrast Attenuation. <i>Investigative Radiology</i> , 2017, 52, 659-665.	3.5	57
113	CT for imaging coronary artery disease: defining the paradigm for its application. <i>International Journal of Cardiovascular Imaging</i> , 2005, 21, 85-104.	0.7	56
114	Does Two-Segment Image Reconstruction at 64-Section CT Coronary Angiography Improve Image Quality and Diagnostic Accuracy?. <i>Radiology</i> , 2007, 244, 121-129.	3.6	56
115	CT detection of myocardial blood volume deficits: Dual-energy CT compared with single-energy CT spectra. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 421-429.	0.7	56
116	Iterative Image Reconstruction Techniques for CT Coronary Artery Calcium Quantification: Comparison with Traditional Filtered Back Projection in Vitro and in Vivo. <i>Radiology</i> , 2014, 270, 387-393.	3.6	56
117	Prognostic implications of coronary CT angiography-derived quantitative markers for the prediction of major adverse cardiac events. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 458-465.	0.7	56
118	Multislice CT angiography. <i>European Radiology</i> , 2003, 13, 1946-1961.	2.3	55
119	Multidetector CT of the Paranasal Sinus: Potential for Radiation Dose Reduction¹. <i>Radiology</i> , 2007, 243, 847-852.	3.6	55
120	Effective Radiation Dose in Computed Tomographic Angiography of the Chest and Diagnostic Cardiac Catheterization in Pediatric Patients. <i>Pediatric Cardiology</i> , 2013, 34, 518-524.	0.6	55
121	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. <i>European Radiology</i> , 2018, 28, 3393-3404.	2.3	55
122	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. <i>JAMA Cardiology</i> , 2020, 5, 1338.	3.0	55
123	Segmental and Subsegmental Pulmonary Arteries: Evaluation with Electron-Beam versus Spiral CT. <i>Radiology</i> , 2000, 214, 433-439.	3.6	54
124	Artificial Intelligence in the Management of Intracranial Aneurysms: Current Status and Future Perspectives. <i>American Journal of Neuroradiology</i> , 2020, 41, 373-379.	1.2	54
125	Virtual unenhanced imaging of the liver with third-generation dual-source dual-energy CT and advanced modeled iterative reconstruction. <i>European Journal of Radiology</i> , 2016, 85, 1257-1264.	1.2	53
126	Cardiac CT in the Assessment of Acute Chest Pain in the Emergency Department. <i>American Journal of Roentgenology</i> , 2009, 193, 397-409.	1.0	52

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127	Organ doses to adult patients for chest CT. <i>Medical Physics</i> , 2010, 37, 842-847.	1.6	52
128	Cost-effectiveness of substituting dual-energy CT for SPECT in the assessment of myocardial perfusion for the workup of coronary artery disease. <i>European Journal of Radiology</i> , 2012, 81, 3719-3725.	1.2	52
129	Cardiovascular CT angiography in neonates and children: Image quality and potential for radiation dose reduction with iterative image reconstruction techniques. <i>European Radiology</i> , 2013, 23, 1306-1315.	2.3	52
130	Small Intracranial Aneurysms: Diagnostic Accuracy of CT Angiography. <i>Radiology</i> , 2017, 285, 941-952.	3.6	52
131	Augmented Reality Visualization for CT-guided Interventions: System Description, Feasibility, and Initial Evaluation in an Abdominal Phantom. <i>Radiology</i> , 2006, 240, 230-235.	3.6	51
132	Automated computer-aided stenosis detection at coronary CT angiography: initial experience. <i>European Radiology</i> , 2010, 20, 1160-1167.	2.3	51
133	Dual-Energy Computed Tomography for the Detection of Late Enhancement in Reperfused Chronic Infarction. <i>Investigative Radiology</i> , 2011, 46, 450-456.	3.5	51
134	Radiation Dose at Coronary CT Angiography: Second-Generation Dual-Source CT Versus Single-Source 64-MDCT and First-Generation Dual-Source CT. <i>American Journal of Roentgenology</i> , 2011, 196, W550-W557.	1.0	51
135	Mammographic detection of breast arterial calcification as an independent predictor of coronary atherosclerotic disease in a single ethnic cohort of African American women. <i>Atherosclerosis</i> , 2015, 242, 218-221.	0.4	50
136	Impact of an advanced image-based monoenergetic reconstruction algorithm on coronary stent visualization using third generation dual-source dual-energy CT: a phantom study. <i>European Radiology</i> , 2016, 26, 1871-1878.	2.3	50
137	CT angiography to evaluate coronary artery disease and revascularization requirement before trans-catheter aortic valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 338-346.	0.7	50
138	Image quality, radiation dose, and diagnostic accuracy of prospectively ECG-triggered high-pitch coronary CT angiography at 70 kVp in a clinical setting: comparison with invasive coronary angiography. <i>European Radiology</i> , 2016, 26, 797-806.	2.3	49
139	Chasing the Heart. <i>Journal of Thoracic Imaging</i> , 2007, 22, 4-16.	0.8	48
140	Attenuation-based characterization of coronary atherosclerotic plaque: Comparison of dual source and dual energy CT with single-source CT and histopathology. <i>European Journal of Radiology</i> , 2011, 80, 54-59.	1.2	48
141	Radiation-Related Cancer Risks in a Clinical Patient Population Undergoing Cardiac CT. <i>American Journal of Roentgenology</i> , 2011, 196, W159-W165.	1.0	48
142	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. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 716-720.	0.5	48
143	Incremental Value of Pharmacological Stress Cardiac Dual-Energy CT Over Coronary CT Angiography Alone for the Assessment of Coronary Artery Disease in a High-Risk Population. <i>American Journal of Roentgenology</i> , 2014, 203, W70-W77.	1.0	47
144	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CT Angiography for Diagnosis of Peripheral Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1116-1124.	2.3	47

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145	Evaluation of a Deep Learningâ€‘Based Automated CT Coronary Artery Calcium Scoring Algorithm. JACC: Cardiovascular Imaging, 2020, 13, 524-526.	2.3	47
146	Diagnostic accuracy of CT angiography in infants with tetralogy of Fallot with pulmonary atresia and major aortopulmonary collateral arteries. Journal of Cardiovascular Computed Tomography, 2013, 7, 367-375.	0.7	46
147	Radiation Risks From Cardiovascular Imaging Tests. Circulation, 2014, 130, 442-445.	1.6	46
148	Contrast-Induced Acute Kidney Injury: Definition, Epidemiology, and Outcome. BioMed Research International, 2014, 2014, 1-6.	0.9	46
149	Computed tomography of acute pulmonary embolism: state-of-the-art. European Radiology, 2015, 25, 2547-2557.	2.3	46
150	Can dual-energy computed tomography improve visualization of hypoenhancing liver lesions in portal venous phase? Assessment of advanced image-based virtual monoenergetic images. Clinical Imaging, 2017, 41, 118-124.	0.8	46
151	Noninvasive Derivation of Fractional Flow Reserve From Coronary Computed Tomographic Angiography. Journal of Thoracic Imaging, 2018, 33, 88-96.	0.8	46
152	AI Evaluation of Stenosis on Coronary CTA, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2023, 16, 193-205.	2.3	46
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452	Differences in coronary artery disease by CT angiography between patients developing unstable angina pectoris vs. major adverse cardiac events. <i>European Journal of Radiology</i> , 2014, 83, 1113-1119.	1.2	6
453	Correlation of Cardiac Magnetic Resonance Imaging and Histopathology in Eosinophilic Endomyocarditis. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	6
454	Prospectively ECG-triggered high-pitch 80â€‰kVp coronary computed tomography angiography with 30â€‰mL of 270â€‰mg I/mL contrast material and iterative reconstruction. <i>Acta Radiologica</i> , 2016, 57, 287-294.	0.5	6
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457	Oracle of Our Time: Machine Learning for Predicting Cardiovascular Events. <i>Radiology</i> , 2019, 292, 363-364.	3.6	6
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465	Imaging in Minimally Invasive Mitral Valve Repair. <i>Journal of Thoracic Imaging</i> , 2015, 30, 378-385.	0.8	5
466	Computed Tomography-Derived Parameters of Myocardial Morphology and Function in Black and White Patients With Acute Chest Pain. <i>American Journal of Cardiology</i> , 2016, 117, 333-339.	0.7	5
467	Different Approaches for Coronary Computed Tomography Angiography-Derived Versus Invasive Fractional Flow Reserve Assessment. <i>American Journal of Cardiology</i> , 2016, 117, 486.	0.7	5
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470	Beam-hardening in 70-kV Coronary CT angiography: Artifact reduction using an advanced post-processing algorithm. <i>European Journal of Radiology</i> , 2018, 101, 111-117.	1.2	5
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488	Correlation and predictive value of aortic root calcification markers with coronary artery calcification and obstructive coronary artery disease. <i>Radiologia Medica</i> , 2017, 122, 113-120.	4.7	4
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528	In-Hospital Cost Comparison of Triple-Rule-Out Computed Tomography Angiography Versus Standard of Care in Patients With Acute Chest Pain. <i>Journal of Thoracic Imaging</i> , 2020, 35, 198-203.	0.8	2
529	The Feasibility, Tolerability, Safety, and Accuracy of Low-radiation Dynamic Computed Tomography Myocardial Perfusion Imaging With Regadenoson Compared With Single-photon Emission Computed Tomography. <i>Journal of Thoracic Imaging</i> , 2020, Publish Ahead of Print, 345-352.	0.8	2
530	Utility of Functional and Volumetric Left Atrial Parameters Derived From Preprocedural Cardiac CTA in Predicting Mortality After Transcatheter Aortic Valve Replacement. <i>American Journal of Roentgenology</i> , 2021, , .	1.0	2
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532	Time-dependent cardiac structural and functional changes after kidney transplantation: a multi-parametric cardiac magnetic resonance study. <i>European Radiology</i> , 2022, 32, 5265-5275.	2.3	2
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535	Isolated Subsegmental Pulmonary Embolus Diagnosed by Multidetector-Row Computed Tomography. <i>Circulation</i> , 2004, 109, e220-1.	1.6	1
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542	Reply. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 964-965.	2.3	1
543	A novel approach for fractional flow reserve derivation from coronary computed tomographic angiography. <i>Coronary Artery Disease</i> , 2015, 26, 279-280.	0.3	1
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549	Dual-Energy CT Pulmonary Angiography: Quantification of Disease Burden and Impact on Management. <i>Current Radiology Reports</i> , 2018, 6, 1.	0.4	1
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551	Journal of Thoracic Imaging's Exciting Growth. <i>Journal of Thoracic Imaging</i> , 2019, 34, 285-285.	0.8	1
552	CT Angiography-derived Fractional Flow Reserve: The Global Game of Thrones. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190197.	0.9	1
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573	Can Coronary Artery Anomalies Be Detected on CT Calcium Scoring Studies?. Academic Radiology, 2013, 20, 554-559.	1.3	0
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581	Reviewer Awards and Acknowledgements Editors'™ Recognition Awards for Distinction in Reviewing in 2016. Journal of Thoracic Imaging, 2017, 32, 69-70.	0.8	0
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