# Carlo N De Cecco

List of Publications by Year
in descending order



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|---|---|---|---|
| 249 papers | 8,052 citations | 50170 46 h-index | 74018 75 g-index |
| 253 all docs | 253 docs citations | 253 times ranked | 7926 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Prognostic Value of Quantitative Contrast-Enhanced Cardiovascular Magnetic Resonance for the Evaluation of Sudden Death Risk in Patients With Hypertrophic Cardiomyopathy. Circulation, 2014, 130, 484-495. | 1.6 | 783 |
| 2 | State of the Art: Iterative CT Reconstruction Techniques. Radiology, 2015, 276, 339-357. | 3.6 | 519 |
| 3 | Texture Analysis as Imaging Biomarker of Tumoral Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer Patients Studied with 3-T Magnetic Resonance. Investigative Radiology, 2015, 50, 239-245. | 3.5 | 169 |
| 4 | Coronary CT Angiographyâ€“derived Fractional Flow Reserve: Machine Learning Algorithm versus Computational Fluid Dynamics Modeling. Radiology, 2018, 288, 64-72. | 3.6 | 165 |
| 5 | Cinematic Rendering in CT: A Novel, Lifelike 3D Visualization Technique. American Journal of Roentgenology, 2017, 209, 370-379. | 1.0 | 152 |
| 6 | Coronary CT Angiographyâ€“derived Fractional Flow Reserve. Radiology, 2017, 285, 17-33. | 3.6 | 152 |
| 7 | Review of Clinical Applications for Virtual Monoenergetic Dual-Energy CT. Radiology, 2019, 293, 260-271. | 3.6 | 133 |
| 8 | Dual energy CT (DECT) of the liver: conventional versus virtual unenhanced images. European Radiology, 2010, 20, 2870-2875. | 2.3 | 105 |
| 9 | Contrast-Induced Nephropathy. Circulation, 2015, 132, 1931-1936. | 1.6 | 97 |
| 10 | 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 |
| 11 | White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 1. Journal of Computer Assisted Tomography, 2016, 40, 841-845. | 0.5 | 86 |
| 12 | State-of-the-Art Pulmonary CT Angiography for Acute Pulmonary Embolism. American Journal of Roentgenology, 2017, 208, 495-504. | 1.0 | 86 |
| 13 | Machine learning in cardiac CT: Basic concepts and contemporary data. Journal of Cardiovascular Computed Tomography, 2018, 12, 192-201. | 0.7 | 86 |
| 14 | Firstâ€“Arterial-Pass Dual-Energy CT for Assessment of Myocardial Blood Supply: Do We Need Rest, Stress, and Delayed Acquisition? Comparison with SPECT. Radiology, 2014, 270, 708-716. | 3.6 | 80 |
| 15 | CT Myocardial Perfusion Imaging. American Journal of Roentgenology, 2015, 204, 487-497. | 1.0 | 78 |
| 16 | Advanced atherosclerosis imaging by CT: Radiomics, machine learning and deep learning. Journal of Cardiovascular Computed Tomography, 2019, 13, 274-280. | 0.7 | 76 |
| 17 | Virtual Unenhanced Images of the Abdomen With Second-Generation Dual-Source Dual-Energy Computed Tomography. Investigative Radiology, 2013, 48, 1-9. | 3.5 | 75 |
| 18 | Image quality and radiation dose of low tube voltage 3rd generation dual-source coronary CT angiography in obese patients: a phantom study. European Radiology, 2014, 24, 1643-1650. | 2.3 | 73 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. JACC: Cardiovascular Imaging, 2020, 13, 760-770. | 2.3 | 73 |
| 20 | Coronary CT angiographyâ€“derived plaque quantification with artificial intelligence CT fractional flow reserve for the identification of lesion-specific ischemia. European Radiology, 2019, 29, 2378-2387. | 2.3 | 70 |
| 21 | Dual-Energy Computed Tomography Angiography of the Lower Extremity Runoff. Investigative Radiology, 2016, 51, 139-146. | 3.5 | 69 |
| 22 | 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 |
| 23 | Performance of diffusion-weighted imaging, perfusion imaging, and texture analysis in predicting tumoral response to neoadjuvant chemoradiotherapy in rectal cancer patients studied with 3T MR: initial experience. Abdominal Radiology, 2016, 41, 1728-1735. | 1.0 | 67 |
| 24 | Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. Atherosclerosis, 2020, 294, 25-32. | 0.4 | 67 |
| 25 | Detection of coronary artery stenosis with sub-milliSievert radiation dose by prospectively ECG-triggered high-pitch spiral CT angiography and iterative reconstruction. European Radiology, 2013, 23, 2927-2933. | 2.3 | 63 |
| 26 | Monoenergetic extrapolation of cardiac dual energy CT for artifact reduction. Acta Radiologica, 2015, 56, 413-418. | 0.5 | 62 |
| 27 | Dual-Source CT Imaging to Plan Transcatheter Aortic Valve Replacement: Accuracy for Diagnosis of Obstructive Coronary Artery Disease. Radiology, 2015, 275, 80-88. | 3.6 | 62 |
| 28 | Prognostic value of epicardial fat volume measurements by computed tomography: a systematic review of the literature. European Radiology, 2015, 25, 3372-3381. | 2.3 | 60 |
| 29 | 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 |
| 30 | Coronary CT angiography derived morphological and functional quantitative plaque markers correlated with invasive fractional flow reserve for detecting hemodynamically significant stenosis. Journal of Cardiovascular Computed Tomography, 2016, 10, 199-206. | 0.7 | 59 |
| 31 | Feasibility of prospectively ECG-triggered high-pitch coronary CT angiography with 30ÂmL iodinated contrast agent at 70ÂkVp: initial experience. European Radiology, 2014, 24, 1537-1546. | 2.3 | 58 |
| 32 | 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 |
| 33 | Prognostic implications of coronary CT angiography-derived quantitative markers for the prediction of major adverse cardiac events. Journal of Cardiovascular Computed Tomography, 2016, 10, 458-465. | 0.7 | 56 |
| 34 | CT Attenuation Analysis of Carotid Intraplaque Hemorrhage. American Journal of Neuroradiology, 2018, 39, 131-137. | 1.2 | 56 |
| 35 | Perforation rate in CT colonography: a systematic review of the literature and meta-analysis. European Radiology, 2014, 24, 1487-1496. | 2.3 | 55 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Artificial intelligence in cardiac radiology. Radiologia Medica, 2020, 125, 1186-1199. | 4.7 | 54 |
| 38 | 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 |
| 39 | Small Intracranial Aneurysms: Diagnostic Accuracy of CT Angiography. Radiology, 2017, 285, 941-952. | 3.6 | 52 |
| 40 | Anatomic variations of the hepatic arteries in 250 patients studied with 64-row CT angiography. European Radiology, 2009, 19, 2765-2770. | 2.3 | 51 |
| 41 | Mammographic detection of breast arterial calcification as an independent predictor of coronary atherosclerotic disease in a single ethnic cohort of African American women. Atherosclerosis, 2015, 242, 218-221. | 0.4 | 50 |
| 42 | 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 |
| 43 | CT angiography to evaluate coronary artery disease and revascularization requirement before trans-catheter aortic valve replacement. Journal of Cardiovascular Computed Tomography, 2017, 11, 338-346. | 0.7 | 50 |
| 44 | Anatomical variations of the coeliac trunk and the mesenteric arteries evaluated with 64-row CT angiography. Radiologia Medica, 2007, 112, 988-998. | 4.7 | 48 |
| 45 | 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 |
| 46 | 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. American Journal of Roentgenology, 2014, 203, W70-W77. | 1.0 | 47 |
| 47 | 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 |
| 48 | Role of CT angiography with three-dimensional reconstruction of mesenteric vessels in laparoscopic colorectal resections: a randomized controlled trial. Surgical Endoscopy and Other Interventional Techniques, 2013, 27, 2058-2067. | 1.3 | 46 |
| 49 | Radiation Risks From Cardiovascular Imaging Tests. Circulation, 2014, 130, 442-445. | 1.6 | 46 |
| 50 | Contrast-Induced Acute Kidney Injury: Definition, Epidemiology, and Outcome. BioMed Research International, 2014, 2014, 1-6. | 0.9 | 46 |
| 51 | 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 |
| 52 | Noninvasive Derivation of Fractional Flow Reserve From Coronary Computed Tomographic Angiography. Journal of Thoracic Imaging, 2018, 33, 88-96. | 0.8 | 46 |
| 53 | Artificial Intelligence and Machine Learning in Radiology. Investigative Radiology, 2020, 55, 619-627. | 3.5 | 46 |
| 54 | White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 2. Journal of Computer Assisted Tomography, 2016, 40, 846-850. | 0.5 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Prognostic value of CT myocardial perfusion imaging and CT-derived fractional flow reserve for major adverse cardiac events in patients with coronary artery disease. Journal of Cardiovascular Computed Tomography, 2019, 13, 26-33. | 0.7 | 45 |
| 56 | 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 |
| 57 | Monoenergetic Dual-energy Computed Tomographic Imaging. Journal of Thoracic Imaging, 2017, 32, 151-158. | 0.8 | 43 |
| 58 | Preliminary experience with abdominal dual-energy CT (DECT): true versus virtual nonenhanced images of the liver. Radiologia Medica, 2010, 115, 1258-1266. | 4.7 | 42 |
| 59 | Coronary Artery Computed Tomography Scanning. Circulation, 2014, 129, 1341-1345. | 1.6 | 41 |
| 60 | 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 |
| 61 | Myocardial perfusion imaging with dual energy CT. European Journal of Radiology, 2016, 85, 1914-1921. | 1.2 | 39 |
| 62 | Cardiac Magnetic Resonance T1-Mapping of the Myocardium. Journal of Thoracic Imaging, 2018, 33, 71-80. | 0.8 | 39 |
| 63 | Quantification of left ventricular function and mass in heart transplant recipients using dual-source CT and MRI: initial clinical experience. European Radiology, 2008, 18, 1784-1790. | 2.3 | 38 |
| 64 | Dynamic CT myocardial perfusion imaging. European Journal of Radiology, 2016, 85, 1893-1899. | 1.2 | 38 |
| 65 | Novel imaging biomarkers: epicardial adipose tissue evaluation. British Journal of Radiology, 2020, 93, 20190770. | 1.0 | 38 |
| 66 | Effect of Automated Attenuation-based Tube Voltage Selection on Radiation Dose at CT: An Observational Study on a Global Scale. Radiology, 2016, 279, 167-174. | 3.6 | 37 |
| 67 | Coronary Computed Tomographic Angiography-Derived Fractional Flow Reserve Based on Machine Learning for Risk Stratification of Non-Culprit Coronary Narrowings in Patients with Acute Coronary Syndrome. American Journal of Cardiology, 2017, 120, 1260-1266. | 0.7 | 37 |
| 68 | CarDiac magnEtic Resonance for prophylactic Implantable-cardioVerter defibrillAtor ThErapy in Non-Ischaemic dilated CardioMyopathy: an international Registry. Europace, 2021, 23, 1072-1083. | 0.7 | 37 |
| 69 | 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 |
| 70 | 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 |
| 71 | White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 4. Journal of Computer Assisted Tomography, 2017, 41, 8-14. | 0.5 | 36 |
| 72 | 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 |

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|---|---|---|---|
| 73 | 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 |
| 74 | Diffusion-Weighted Magnetic Resonance Application in Response Prediction before, during, and after Neoadjuvant Radiochemotherapy in Primary Rectal Cancer Carcinoma. BioMed Research International, 2013, 2013, 1-5. | 0.9 | 35 |
| 75 | Prevalence and distribution of colonic diverticula assessed with CT colonography (CTC). European Radiology, 2016, 26, 639-645. | 2.3 | 35 |
| 76 | Artificial intelligence from A to Z: From neural network to legal framework. European Journal of Radiology, 2020, 129, 109083. | 1.2 | 35 |
| 77 | Global Quantification of Left Ventricular Myocardial Perfusion at Dynamic CT: Feasibility in a Multicenter Patient Population. American Journal of Roentgenology, 2014, 203, W174-W180. | 1.0 | 34 |
| 78 | Reproducibility of Noncalcified Coronary Artery Plaque Burden Quantification From Coronary CT Angiography Across Different Image Analysis Platforms. American Journal of Roentgenology, 2014, 202, W43-W49. | 1.0 | 34 |
| 79 | White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 3. Journal of Computer Assisted Tomography, 2017, 41, 1-7. | 0.5 | 34 |
| 80 | Coronary Computed Tomographic Angiography-Derived Fractional Flow Reserve for Therapeutic Decision Making. American Journal of Cardiology, 2017, 120, 2121-2127. | 0.7 | 34 |
| 81 | Application of Imaging Guidelines in Patients With Foreign Body Ingestion or Inhalation: Literature Review. Seminars in Ultrasound, CT and MRI, 2015, 36, 48-56. | 0.7 | 33 |
| 82 | High-pitch low-voltage CT coronary artery calcium scoring with tin filtration: accuracy and radiation dose reduction. European Radiology, 2018, 28, 3097-3104. | 2.3 | 33 |
| 83 | High-Pitch Coronary CT Angiography at 70 kVp With Low Contrast Medium Volume. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Ov | 0.4 | 32 |
| 84 | Imaging in congenital pulmonary vein anomalies: the role of computed tomography. Pediatric Radiology, 2014, 44, 1158-1168. | 1.1 | 32 |
| 85 | Computed Tomographic Assessment of Coronary Artery Disease. Radiologic Clinics of North America, 2015, 53, 271-285. | 0.9 | 32 |
| 86 | 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 |
| 87 | Impact of Coronary Computerized Tomography Angiography-Derived Plaque Quantification and Machine-Learning Computerized Tomography Fractional Flow Reserve on Adverse Cardiac Outcome. American Journal of Cardiology, 2019, 124, 1340-1348. | 0.7 | 32 |
| 88 | Accuracy of an Artificial Intelligence Deep Learning Algorithm Implementing a Recurrent Neural Network With Long Short-term Memory for the Automated Detection of Calcified Plaques From Coronary Computed Tomography Angiography. Journal of Thoracic Imaging, 2020, 35, S49-S57. | 0.8 | 32 |
| 89 | Automatic coronary calcium scoring in chest CT using a deep neural network in direct comparison with non-contrast cardiac CT: A validation study. European Journal of Radiology, 2021, 134, 109428. | 1.2 | 32 |
| 90 | Is Contrast Medium Osmolality a Causal Factor for Contrast-Induced Nephropathy?. BioMed Research International, 2014, 2014, 1-8. | 0.9 | 31 |

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|---|---|---|---|
| 91 | A non-contrast self-navigated 3-dimensional MR technique for aortic root and vascular access route assessment in the context of transcatheter aortic valve replacement: proof of concept. European Radiology, 2016, 26, 951-958. | 2.3 | 31 |
| 92 | Reduced radiation dose and improved image quality at cardiovascular CT angiography by automated attenuation-based tube voltage selection: intra-individual comparison. European Radiology, 2014, 24, 2677-2684. | 2.3 | 30 |
| 93 | CT Evaluation of Small-Diameter Coronary Artery Stents: Effect of an Integrated Circuit Detector with Iterative Reconstruction. Radiology, 2015, 276, 706-714. | 3.6 | 29 |
| 94 | 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 |
| 95 | 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 |
| 96 | Dual-energy CT of the heart current and future status. European Journal of Radiology, 2018, 105, 110-118. | 1.2 | 29 |
| 97 | The optimal contrast media policy in CT of the liver. Part I: Technical notes. Acta Radiologica, 2011, 52, 467-472. | 0.5 | 28 |
| 98 | Automated Quantification of Epicardial Adipose Tissue Using CT Angiography: Evaluation of a Prototype Software. European Radiology, 2014, 24, 519-526. | 2.3 | 28 |
| 99 | Accuracy and Radiation Dose Reduction Using Low-Voltage Computed Tomography Coronary Artery Calcium Scoring With Tin Filtration. American Journal of Cardiology, 2017, 119, 675-680. | 0.7 | 28 |
| 100 | Dual-Energy Computed Tomography in Cardiothoracic Vascular Imaging. Radiologic Clinics of North America, 2018, 56, 521-534. | 0.9 | 28 |
| 101 | Second-Generation Dual-Energy Computed Tomography of the Abdomen. Journal of Computer Assisted Tomography, 2013, 37, 543-546. | 0.5 | 27 |
| 102 | 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 |
| 103 | Artificial Intelligence in Coronary Computed Tomography Angiography: From Anatomy to Prognosis. BioMed Research International, 2020, 2020, 1-10. | 0.9 | 27 |
| 104 | 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 |
| 105 | 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 |
| 106 | Heavily Calcified Coronary Arteries. Investigative Radiology, 2018, 53, 103-109. | 3.5 | 26 |
| 107 | Feasibility of extracellular volume quantification using dual-energy CT. Journal of Cardiovascular Computed Tomography, 2019, 13, 81-84. | 0.7 | 26 |
| 108 | Dual-Source CT for Visualization of the Coronary Arteries in Heart Transplant Patients with High Heart Rates. American Journal of Roentgenology, 2008, 191, 448-454. | 1.0 | 25 |

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|---|---|---|---|
| 109 | 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 |
| 110 | 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 |
| 111 | Low-Volume Contrast Medium Protocol for Comprehensive Cardiac and Aortoiliac CT Assessment in the Context of Transcatheter Aortic Valve Replacement. Academic Radiology, 2015, 22, 1138-1146. | 1.3 | 24 |
| 112 | Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mappingâ€“based Synthetic Inversion-Recovery Imaging. Radiology, 2016, 278, 374-382. | 3.6 | 23 |
| 113 | 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 |
| 114 | Coronary CT angiography-derived quantitative markers for predicting in-stent restenosis. Journal of Cardiovascular Computed Tomography, 2016, 10, 377-383. | 0.7 | 22 |
| 115 | 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 |
| 116 | Machine Learning and Deep Neural Networks Applications in Computed Tomography for Coronary Artery Disease and Myocardial Perfusion. Journal of Thoracic Imaging, 2020, 35, S58-S65. | 0.8 | 22 |
| 117 | Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. European Journal of Radiology, 2015, 84, 2401-2410. | 1.2 | 21 |
| 118 | Endometriosis: the role of magnetic resonance imaging. Acta Radiologica, 2015, 56, 355-367. | 0.5 | 21 |
| 119 | Artificial intelligence machine learning-based coronary CT fractional flow reserve (CT-FFRML): Impact of iterative and filtered back projection reconstruction techniques. Journal of Cardiovascular Computed Tomography, 2019, 13, 331-335. | 0.7 | 21 |
| 120 | Latent Tuberculosis Infection and Subclinical Coronary Atherosclerosis in Peru and Uganda. Clinical Infectious Diseases, 2021, 73, e3384-e3390. | 2.9 | 21 |
| 121 | Beyond Stenosis Detection. Radiologic Clinics of North America, 2015, 53, 317-334. | 0.9 | 20 |
| 122 | Diagnostic accuracy of low and high tube voltage coronary CT angiography using an X-ray tube potential-tailored contrast medium injection protocol. European Radiology, 2018, 28, 2134-2142. | 2.3 | 20 |
| 123 | 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 |
| 124 | Dual-source CT coronary imaging in heart transplant recipients: image quality and optimal reconstruction interval. European Radiology, 2008, 18, 1791-1799. | 2.3 | 19 |
| 125 | Gender differences in the diagnostic performance of machine learning coronary CT angiography-derived fractional flow reserve -results from the MACHINE registry. European Journal of Radiology, 2019, 119, 108657. | 1.2 | 19 |
| 126 | Determinants of peak oxygen uptake in patients with hypertrophic cardiomyopathy: a single-center study. Internal and Emergency Medicine, 2014, 9, 293-302. | 1.0 | 18 |

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|---|---|---|---|
| 127 | Influence of technical parameters on epicardial fat volume quantification at cardiac CT. European Journal of Radiology, 2015, 84, 1062-1067. | 1.2 | 18 |
| 128 | CT coronary calcium scoring with tin filtration using iterative beam-hardening calcium correction reconstruction. European Journal of Radiology, 2017, 91, 29-34. | 1.2 | 18 |
| 129 | Coronary Computed Tomography Angiographyâ€“Derived Plaque Quantification in Patients With Acute CoronaryÂSyndrome. American Journal of Cardiology, 2017, 119, 712-718. | 0.7 | 18 |
| 130 | Optimizing Contrast Media Injection Protocols in Computed Tomography Angiography at Different Tube Voltages. Journal of Computer Assisted Tomography, 2017, 41, 804-810. | 0.5 | 18 |
| 131 | Technical Feasibility of a Combined Noncontrast Magnetic Resonance Protocol for Preoperative Transcatheter Aortic Valve Replacement Evaluation. Journal of Thoracic Imaging, 2018, 33, 60-67. | 0.8 | 18 |
| 132 | Cardiovascular Imaging. Investigative Radiology, 2015, 50, 557-570. | 3.5 | 17 |
| 133 | Progression of coronary atherosclerotic plaque burden and relationship with adverse cardiovascular event in asymptomatic diabetic patients. BMC Cardiovascular Disorders, 2019, 19, 39. | 0.7 | 17 |
| 134 | Beyond the Artificial Intelligence Hype. Journal of Thoracic Imaging, 2020, 35, S3-S10. | 0.8 | 17 |
| 135 | Dual-energy CT performance in acute pulmonary embolism: a meta-analysis. European Radiology, 2021, 31, 6248-6258. | 2.3 | 17 |
| 136 | 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 |
| 137 | Iterative beam-hardening correction with advanced modeled iterative reconstruction in low voltage CT coronary calcium scoring with tin filtration: Impact on coronary artery calcium quantification and image quality. Journal of Cardiovascular Computed Tomography, 2017, 11, 354-359. | 0.7 | 16 |
| 138 | High concentration (400mgI/mL) versus low concentration (320mgI/mL) iodinated contrast media in multi detector computed tomography of the liver: A randomized, single centre, non-inferiority study. European Journal of Radiology, 2012, 81, 3096-3101. | 1.2 | 15 |
| 139 | Is There an Association between Cerebral Microbleeds andÂLeukoaraiosis?. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 284-289. | 0.7 | 15 |
| 140 | Semiautomated Global Quantification of Left Ventricular Myocardial Perfusion at Stress Dynamic CT:. Academic Radiology, 2016, 23, 429-437. | 1.3 | 15 |
| 141 | Quantitative evaluation of beam-hardening artefact correction in dual-energy CT myocardial perfusion imaging. European Radiology, 2016, 26, 3215-3222. | 2.3 | 15 |
| 142 | Coronary artery assessment using self-navigated free-breathing radial whole-heart magnetic resonance angiography in patients with congenital heart disease. European Radiology, 2018, 28, 1267-1275. | 2.3 | 15 |
| 143 | Intermodel disagreement of myocardial blood flow estimation from dynamic CT perfusion imaging. European Journal of Radiology, 2019, 110, 175-180. | 1.2 | 15 |
| 144 | Cardiac CT for myocardial ischaemia detection and characterizationâ€”comparative analysis. British Journal of Radiology, 2014, 87, 20140159. | 1.0 | 14 |

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|---|---|---|---|
| 145 | 18F-DPA-714 PET Imaging for Detecting Neuroinflammation in Rats with Chronic Hepatic Encephalopathy. Theranostics, 2016, 6, 1220-1231. | 4.6 | 14 |
| 146 | Pediatric Cardiac MR Imaging:. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 243-262. | 0.6 | 14 |
| 147 | Delayed Adverse Reactions to the Parenteral Administration of Iodinated Contrast Media. American Journal of Roentgenology, 2014, 203, 1163-1170. | 1.0 | 13 |
| 148 | Transcatheter Aortic Valve Replacement. Journal of Thoracic Imaging, 2015, 30, 349-358. | 0.8 | 13 |
| 149 | MDCT classification of steatotic liver. European Journal of Gastroenterology and Hepatology, 2015, 27, 290-297. | 0.8 | 13 |
| 150 | Ischemia and outcome prediction by cardiac CT based machine learning. International Journal of Cardiovascular Imaging, 2020, 36, 2429-2439. | 0.7 | 13 |
| 151 | Value of Machine Learningâ€“based Coronary CT Fractional Flow Reserve Applied to Triple-Rule-Out CT Angiography in Acute Chest Pain. Radiology: Cardiothoracic Imaging, 2020, 2, e190137. | 0.9 | 13 |
| 152 | The optimal contrast media policy in CT of the liver. Part II: Clinical protocols. Acta Radiologica, 2011, 52, 473-480. | 0.5 | 12 |
| 153 | Reconstruction of the Superior Vena Cava by Biologic Conduit: Assessment of Long-Term Patency by Magnetic Resonance Imaging. Annals of Thoracic Surgery, 2013, 96, 1039-1045. | 0.7 | 12 |
| 154 | MRI Post-Processing Methods for Myocardial Infarct Quantification. Current Radiology Reports, 2016, 4, 1. | 0.4 | 12 |
| 155 | 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 |
| 156 | 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 |
| 157 | Preoperative coronary risk assessment with dual-source CT in patients undergoing noncoronary cardiac surgery. Radiologia Medica, 2010, 115, 1028-1037. | 4.7 | 11 |
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