

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	Bridging the Gap between Structured and Free-form Radiology Reporting: A Case-study on Coronary CT Angiography. <i>ACM Transactions on Computing for Healthcare</i> , 2022, 3, 1-20.	3.3	1
2	Beyond the <i>AJR</i>: Radiomics Meets Machine Learning to Improve Outcome Prediction. <i>American Journal of Roentgenology</i> , 2022, , .	1.0	0
3	Evaluating the Performance of a Convolutional Neural Network Algorithm for Measuring Thoracic Aortic Diameters in a Heterogeneous Population. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210196.	3.0	10
4	The Journal of cardiovascular computed tomography: A year in review 2021. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, , .	0.7	1
5	Tumorous tissue characterization using integrated 18F-FDG PET/dual-energy CT in lung cancer: Combining iodine enhancement and glycolytic activity. <i>European Journal of Radiology</i> , 2022, 150, 110116.	1.2	2
6	COVID-19 pneumonia chest radiographic severity score: variability assessment among experienced and in-training radiologists and creation of a multireader composite score database for artificial intelligence algorithm development. <i>British Journal of Radiology</i> , 2022, 95, 20211028.	1.0	4
7	Predictive Value of Cardiac CTA, Cardiac MRI, and Transthoracic Echocardiography for Cardioembolic Stroke Recurrence. <i>American Journal of Roentgenology</i> , 2021, 217, 336-346.	1.0	7
8	Automatic coronary calcium scoring in chest CT using a deep neural network in direct comparison with non-contrast cardiac CT: A validation study. <i>European Journal of Radiology</i> , 2021, 134, 109428.	1.2	32
9	Magnetic Resonance Imaging of Diverticular Disease and its Association with Adipose Tissue Compartments and Constitutional Risk Factors in Subjects from a Western General Population. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 33-41.	0.7	2
10	Latent Tuberculosis Infection and Subclinical Coronary Atherosclerosis in Peru and Uganda. <i>Clinical Infectious Diseases</i> , 2021, 73, e3384-e3390.	2.9	21
11	Quantitative analysis of dynamic computed tomography angiography for the detection of endoleaks after abdominal aorta aneurysm endovascular repair: A feasibility study. <i>PLoS ONE</i> , 2021, 16, e0245134.	1.1	7
12	Dual-energy CT performance in acute pulmonary embolism: a meta-analysis. <i>European Radiology</i> , 2021, 31, 6248-6258.	2.3	17
13	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 180-189.	0.7	9
14	CarDiac magnEtic Resonance for prophylactic Implantable-cardioVerter defibrillAtor ThErapy in Non-Ischaemic dilated CardioMyopathy: an international Registry. <i>Europace</i> , 2021, 23, 1072-1083.	0.7	37
15	Prospective Evaluation of the First Integrated Positron Emission Tomography/Dual-Energy Computed Tomography System in Patients With Lung Cancer. <i>Journal of Thoracic Imaging</i> , 2021, Publish Ahead of Print, 382-388.	0.8	1
16	Dietary habits and the presence and degree of asymptomatic diverticular disease by magnetic resonance imaging in a Western population: a population-based cohort study. <i>Nutrition and Metabolism</i> , 2021, 18, 73.	1.3	2
17	Cardiac Magnetic Resonance Tissue Characterization in Ischemic Cardiomyopathy. <i>Journal of Thoracic Imaging</i> , 2021, Publish Ahead of Print, 2-16.	0.8	11
18	Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 760-770.	2.3	73

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19	Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. <i>Atherosclerosis</i> , 2020, 294, 25-32.	0.4	67
20	Novel imaging biomarkers: epicardial adipose tissue evaluation. <i>British Journal of Radiology</i> , 2020, 93, 20190770.	1.0	38
21	Evaluation of a Tube Voltageâ€œTailored Contrast Medium Injection Protocol for Coronary CT Angiography: Results From the Prospective VOLCANIC Study. <i>American Journal of Roentgenology</i> , 2020, 215, 1049-1056.	1.0	7
22	Differences in coronary vasodilatory capacity and atherosclerosis in endurance athletes using coronary CTA and computational fluid dynamics (CFD): Comparison with a sedentary lifestyle. <i>European Journal of Radiology</i> , 2020, 130, 109168.	1.2	2
23	Ischemia and outcome prediction by cardiac CT based machine learning. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 2429-2439.	0.7	13
24	Artificial Intelligence and Machine Learning in Radiology. <i>Investigative Radiology</i> , 2020, 55, 619-627.	3.5	46
25	Artificial intelligence in cardiac radiology. <i>Radiologia Medica</i> , 2020, 125, 1186-1199.	4.7	54
26	Value of Machine Learningâ€œbased Coronary CT Fractional Flow Reserve Applied to Triple-Rule-Out CT Angiography in Acute Chest Pain. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190137.	0.9	13
27	Beyond the Artificial Intelligence Hype. <i>Journal of Thoracic Imaging</i> , 2020, 35, S3-S10.	0.8	17
28	Artificial intelligence from A to Z: From neural network to legal framework. <i>European Journal of Radiology</i> , 2020, 129, 109083.	1.2	35
29	Use of Early T1 Mapping for MRI in Acute Myocarditis. <i>Radiology</i> , 2020, 295, 326-327.	3.6	3
30	Machine Learning and Deep Neural Networks Applications in Computed Tomography for Coronary Artery Disease and Myocardial Perfusion. <i>Journal of Thoracic Imaging</i> , 2020, 35, S58-S65.	0.8	22
31	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. <i>Journal of Thoracic Imaging</i> , 2020, 35, S49-S57.	0.8	32
32	Radiologists. <i>Journal of Thoracic Imaging</i> , 2020, 35, S1-S2.	0.8	1
33	Rationale and design of the quantification of myocardial blood flow using dynamic PET/CTA-fused imagery (DEMISTIFY) to determine physiological significance of specific coronary lesions. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1030-1039.	1.4	6
34	Repaired Congenital Heart Disease in Older Children and Adults. <i>Radiologic Clinics of North America</i> , 2020, 58, 503-516.	0.9	3
35	The Journal of Cardiovascular Computed Tomography year in review â€œ 2019. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 107-117.	0.7	5
36	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

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37	Artificial Intelligence in Coronary Computed Tomography Angiography: From Anatomy to Prognosis. BioMed Research International, 2020, 2020, 1-10.	0.9	27
38	Artificial intelligence in cardiothoracic imaging: A game changer. European Journal of Radiology, 2020, 128, 109016.	1.2	0
39	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
40	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
41	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
42	Review of Clinical Applications for Virtual Monoenergetic Dual-Energy CT. Radiology, 2019, 293, 260-271.	3.6	133
43	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
44	Intermodel disagreement of myocardial blood flow estimation from dynamic CT perfusion imaging. European Journal of Radiology, 2019, 110, 175-180.	1.2	15
45	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on) Tj ETQq1 1 0.784314 rgBT /Over 0.8 9	0.8	9
46	The Challenging Patient. Contemporary Medical Imaging, 2019, , 125-130.	0.3	0
47	Advanced atherosclerosis imaging by CT: Radiomics, machine learning and deep learning. Journal of Cardiovascular Computed Tomography, 2019, 13, 274-280.	0.7	76
48	Pediatric Cardiac MR Imaging:. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 243-262.	0.6	14
49	Machine Learning and Artificial Intelligence in Cardiovascular Imaging. Contemporary Medical Imaging, 2019, , 893-907.	0.3	0
50	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
51	Does the clinical information play a role in the magnetic resonance diagnostic confidence analysis of ovarian and deep endometriosis?. British Journal of Radiology, 2019, 92, 20180548.	1.0	5
52	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
53	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
54	Characteristics and associated risk factors of diverticular disease assessed by magnetic resonance imaging in subjects from a Western general population. European Radiology, 2019, 29, 1094-1103.	2.3	10

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55	Iodine quantification based on rest / stress perfusion dual energy CT to differentiate ischemic, infarcted and normal myocardium. <i>European Journal of Radiology</i> , 2019, 112, 136-143.	1.2	11
56	Artificial intelligence machine learning-based coronary CT fractional flow reserve (CT-FFRML): Impact of iterative and filtered back projection reconstruction techniques. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 331-335.	0.7	21
57	Feasibility of extracellular volume quantification using dual-energy CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 81-84.	0.7	26
58	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
59	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
60	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
61	Contrast media injection protocol optimization for dual-energy coronary CT angiography: results from a circulation phantom. <i>European Radiology</i> , 2018, 28, 3473-3481.	2.3	11
62	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
63	Nonbinary quantification technique accounting for myocardial infarct heterogeneity: Feasibility of applying percent infarct mapping in patients. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 788-798.	1.9	3
64	Quantitative inversion time prescription for myocardial late gadolinium enhancement using T1-mapping-based synthetic inversion recovery imaging: reducing subjectivity in the estimation of inversion time. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 921-929.	0.7	4
65	High-pitch low-voltage CT coronary artery calcium scoring with tin filtration: accuracy and radiation dose reduction. <i>European Radiology</i> , 2018, 28, 3097-3104.	2.3	33
66	Machine learning in cardiac CT: Basic concepts and contemporary data. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 192-201.	0.7	86
67	Cardiac Magnetic Resonance T1-Mapping of the Myocardium. <i>Journal of Thoracic Imaging</i> , 2018, 33, 71-80.	0.8	39
68	Technical Feasibility of a Combined Noncontrast Magnetic Resonance Protocol for Preoperative Transcatheter Aortic Valve Replacement Evaluation. <i>Journal of Thoracic Imaging</i> , 2018, 33, 60-67.	0.8	18
69	Heavily Calcified Coronary Arteries. <i>Investigative Radiology</i> , 2018, 53, 103-109.	3.5	26
70	Noninvasive Derivation of Fractional Flow Reserve From Coronary Computed Tomographic Angiography. <i>Journal of Thoracic Imaging</i> , 2018, 33, 88-96.	0.8	46
71	Coronary artery assessment using self-navigated free-breathing radial whole-heart magnetic resonance angiography in patients with congenital heart disease. <i>European Radiology</i> , 2018, 28, 1267-1275.	2.3	15
72	Diagnostic accuracy of low and high tube voltage coronary CT angiography using an X-ray tube potential-tailored contrast medium injection protocol. <i>European Radiology</i> , 2018, 28, 2134-2142.	2.3	20

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73	CT Attenuation Analysis of Carotid Intraplaque Hemorrhage. American Journal of Neuroradiology, 2018, 39, 131-137.	1.2	56
74	Dual-Energy CT Pulmonary Angiography: Quantification of Disease Burden and Impact on Management. Current Radiology Reports, 2018, 6, 1.	0.4	1
75	Dual-Energy Computed Tomography in Cardiothoracic Vascular Imaging. Radiologic Clinics of North America, 2018, 56, 521-534.	0.9	28
76	Current and future applications of CT coronary calcium assessment. Expert Review of Cardiovascular Therapy, 2018, 16, 441-453.	0.6	11
77	Dual-energy CT of the heart current and future status. European Journal of Radiology, 2018, 105, 110-118.	1.2	29
78	Aneurysm of Vieussensâ€™ arterial ring in a patient studied with coronary computed tomography. Journal of Cardiovascular Medicine, 2017, 18, 696-697.	0.6	1
79	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
80	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
81	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
82	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CT Angiography for Diagnosis of Peripheral Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1116-1124.	2.3	47
83	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
84	Functional Cardiac CT Angiography. Medical Radiology, 2017, , 777-803.	0.0	0
85	State-of-the-Art Pulmonary CT Angiography for Acute Pulmonary Embolism. American Journal of Roentgenology, 2017, 208, 495-504.	1.0	86
86	Correlation and predictive value of aortic root calcification markers with coronary artery calcification and obstructive coronary artery disease. Radiologia Medica, 2017, 122, 113-120.	4.7	4
87	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
88	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
89	Pictorial Review of Surgical Anatomy in Adult Congenital Heart Disease. Journal of Thoracic Imaging, 2017, 32, 217-232.	0.8	8
90	Cinematic Rendering in CT: A Novel, Lifelike 3D Visualization Technique. American Journal of Roentgenology, 2017, 209, 370-379.	1.0	152

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91	Monoenergetic Dual-energy Computed Tomographic Imaging. <i>Journal of Thoracic Imaging</i> , 2017, 32, 151-158.	0.8	43
92	CT coronary calcium scoring with tin filtration using iterative beam-hardening calcium correction reconstruction. <i>European Journal of Radiology</i> , 2017, 91, 29-34.	1.2	18
93	Accuracy and Radiation Dose Reduction Using Low-Voltage Computed Tomography Coronary Artery Calcium Scoring With Tin Filtration. <i>American Journal of Cardiology</i> , 2017, 119, 675-680.	0.7	28
94	Coronary Computed Tomography Angiographyâ€‘Derived Plaque Quantification in Patients With Acute Coronary Syndrome. <i>American Journal of Cardiology</i> , 2017, 119, 712-718.	0.7	18
95	CT angiography for planning transcatheter aortic valve replacement using automated tube voltage selection: Image quality and radiation exposure. <i>European Journal of Radiology</i> , 2017, 86, 276-283.	1.2	12
96	New Imaging Techniques for Atherosclerotic Plaque Characterization. <i>Current Radiology Reports</i> , 2017, 5, 1.	0.4	2
97	Coronary Computed Tomographic Angiography-Derived Fractional Flow Reserve for Therapeutic Decision Making. <i>American Journal of Cardiology</i> , 2017, 120, 2121-2127.	0.7	34
98	Coronary CT Angiographyâ€‘derived Fractional Flow Reserve. <i>Radiology</i> , 2017, 285, 17-33.	3.6	152
99	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. <i>American Journal of Cardiology</i> , 2017, 120, 1260-1266.	0.7	37
100	Iterative reconstruction improves detection of in-stent restenosis by high-pitch dual-source coronary CT angiography. <i>Scientific Reports</i> , 2017, 7, 6956.	1.6	10
101	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. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 354-359.	0.7	16
102	Coronary CT-Derived Fractional Flow Reserve. <i>Current Radiology Reports</i> , 2017, 5, 1.	0.4	0
103	Cardiac Dual-Energy CT Applications and Clinical Impact. <i>Current Radiology Reports</i> , 2017, 5, 1.	0.4	5
104	White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 4. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 8-14.	0.5	36
105	Optimizing Contrast Media Injection Protocols in Computed Tomography Angiography at Different Tube Voltages. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 804-810.	0.5	18
106	Small Intracranial Aneurysms: Diagnostic Accuracy of CT Angiography. <i>Radiology</i> , 2017, 285, 941-952.	3.6	52
107	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. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1429-1437.	1.9	36
108	Intra-individual comparison of CAIPIRINHA VIBE technique with conventional VIBE sequences in contrast-enhanced MRI of focal liver lesions. <i>European Journal of Radiology</i> , 2017, 86, 20-25.	1.2	5

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109	Cardiac CTA for Evaluation of Prosthetic Valve Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 91-93.	2.3	9
110	Can dual-energy computed tomography improve visualization of hypoenhancing liver lesions in portal venous phase? Assessment of advanced image-based virtual monoenergetic images. <i>Clinical Imaging</i> , 2017, 41, 118-124.	0.8	46
111	Low contrast medium-volume third-generation dual-source computed tomography angiography for transcatheter aortic valve replacement planning. <i>European Radiology</i> , 2017, 27, 1944-1953.	2.3	36
112	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. <i>European Radiology</i> , 2017, 27, 2298-2308.	2.3	26
113	Optimization of window settings for standard and advanced virtual monoenergetic imaging in abdominal dual-energy CT angiography. <i>Abdominal Radiology</i> , 2017, 42, 772-780.	1.0	27
114	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
115	Cutting edge clinical applications in cardiovascular magnetic resonance. <i>World Journal of Radiology</i> , 2017, 9, 1.	0.5	10
116	Segmentations of the cartilaginous skeletons of chondrichthyan fishes by the use of state-of-the-art computed tomography. <i>World Journal of Radiology</i> , 2017, 9, 191.	0.5	0
117	CT myocardial perfusion: state of the science. <i>Minerva Cardiology and Angiology</i> , 2017, 65, 252-264.	0.4	3
118	18F-DPA-714 PET Imaging for Detecting Neuroinflammation in Rats with Chronic Hepatic Encephalopathy. <i>Theranostics</i> , 2016, 6, 1220-1231.	4.6	14
119	Limitation of Virtual Noncontrasted Images in Evaluation of a Liver Lesion Status Post Transarterial Chemoembolization. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 557-559.	0.5	2
120	Which indicators for measuring the daily physical activity? An overview on the challenges and technology limits for Telehealth applications. <i>Technology and Health Care</i> , 2016, 24, 665-672.	0.5	10
121	White Paper of the Society of Computed Body Tomography and Magnetic Resonance on Dual-Energy CT, Part 2. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 846-850.	0.5	45
122	Automated tube voltage selection for radiation dose and contrast medium reduction at coronary CT angiography using 3rd generation dual-source CT. <i>European Radiology</i> , 2016, 26, 3608-3616.	2.3	39
123	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. <i>European Journal of Radiology</i> , 2016, 85, 695-699.	1.2	44
124	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. <i>Abdominal Radiology</i> , 2016, 41, 1728-1735.	1.0	67
125	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
126	Image quality, radiation dose and diagnostic accuracy of 70 kVp whole brain volumetric CT perfusion imaging: a preliminary study. <i>European Radiology</i> , 2016, 26, 4184-4193.	2.3	11

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127	Semiautomated Global Quantification of Left Ventricular Myocardial Perfusion at Stress Dynamic CT. Academic Radiology, 2016, 23, 429-437.	1.3	15
128	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
129	Cerebral CTA with Low Tube Voltage and Low Contrast Material Volume for Detection of Intracranial Aneurysms. American Journal of Neuroradiology, 2016, 37, 1774-1780.	1.2	11
130	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
131	Coronary CT angiography-derived quantitative markers for predicting in-stent restenosis. Journal of Cardiovascular Computed Tomography, 2016, 10, 377-383.	0.7	22
132	Myocardial perfusion imaging with dual energy CT. European Journal of Radiology, 2016, 85, 1914-1921.	1.2	39
133	Dynamic CT myocardial perfusion imaging. European Journal of Radiology, 2016, 85, 1893-1899.	1.2	38
134	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
135	MRI Post-Processing Methods for Myocardial Infarct Quantification. Current Radiology Reports, 2016, 4, 1.	0.4	12
136	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
137	Anatomy and Physiology in a Single Non-invasive Test: CTA-derived FFR. Current Radiology Reports, 2016, 4, 1.	0.4	0
138	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
139	Quantitative evaluation of beam-hardening artefact correction in dual-energy CT myocardial perfusion imaging. European Radiology, 2016, 26, 3215-3222.	2.3	15
140	The Role of MRI and CT in the Diagnosis of Atherosclerosis in an Aging Population. Current Radiology Reports, 2016, 4, 1.	0.4	1
141	Dual-Energy Computed Tomography Angiography of the Lower Extremity Runoff. Investigative Radiology, 2016, 51, 139-146.	3.5	69
142	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
143	Vascular Imaging Before Transcatheter Aortic Valve Replacement (TAVR): Why and How?. Current Cardiology Reports, 2016, 18, 14.	1.3	9
144	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

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145	Approaches to ultra-low radiation dose coronary artery calcium scoring based on 3rd generation dual-source CT: A phantom study. <i>European Journal of Radiology</i> , 2016, 85, 39-47.	1.2	29
146	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. <i>European Radiology</i> , 2016, 26, 4380-4389.	2.3	25
147	Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mapping-based Synthetic Inversion-Recovery Imaging. <i>Radiology</i> , 2016, 278, 374-382.	3.6	23
148	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. <i>European Radiology</i> , 2016, 26, 951-958.	2.3	31
149	Prevalence and distribution of colonic diverticula assessed with CT colonography (CTC). <i>European Radiology</i> , 2016, 26, 639-645.	2.3	35
150	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
151	Effect of Automated Attenuation-based Tube Voltage Selection on Radiation Dose at CT: An Observational Study on a Global Scale. <i>Radiology</i> , 2016, 279, 167-174.	3.6	37
152	Clinical feasibility of a myocardial signal intensity threshold-based semi-automated cardiac magnetic resonance segmentation method. <i>European Radiology</i> , 2016, 26, 1503-1511.	2.3	36
153	Cardiovascular Imaging. <i>Investigative Radiology</i> , 2015, 50, 557-570.	3.5	17
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