U Joseph Schoepf

List of Publications by Year
in descending order

599	23,775	12597	18944
papers	citations	71 h-index	123 g-index

605	605	605	14565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Cardiac magnetic resonance for prophylactic implantable-cardioverter defibrillator therapy international study: prognostic value of cardiac magnetic resonance-derived right ventricular parameters substudy. European Heart Journal Cardiovascular Imaging, 2023, 24, 472-482.	0.5	3
3	Performance of an Artificial Intelligence-Based Platform Against Clinical Radiology Reports for the Evaluation of Noncontrast Chest CT. Academic Radiology, 2022, 29, S108-S117.	1.3	9
4	Spontaneous Iliopsoas Muscle Hemorrhageâ€“Predictors of Associated Mortality. Academic Radiology, 2022, 29, 536-542.	1.3	4
5	<scp>Quiescentâ€Interval Sliceâ€Selective MRA</scp> Accurately Estimates Intravascular Stent Dimensions Prior to Intervention in Patients With Peripheral Artery Disease. Journal of Magnetic Resonance Imaging, 2022, 55, 246-254.	1.9	3
6	Deep learning for vessel-specific coronary artery calcium scoring: validation on a multi-centre dataset. European Heart Journal Cardiovascular Imaging, 2022, 23, 846-854.	0.5	19
7	Right/Left Ventricular Blood Pool <scp>T2</scp> Ratio as an Innovative Cardiac <scp>MRI</scp> Screening Tool for the Identification of <scp>Leftâ€toâ€Right</scp> Shunts in Patients With Right Ventricular Disease. Journal of Magnetic Resonance Imaging, 2022, 55, 1452-1458.	1.9	7
8	Diagnostic Accuracy and Performance of Artificial Intelligence in Detecting Lung Nodules in Patients With Complex Lung Disease. Journal of Thoracic Imaging, 2022, 37, 154-161.	0.8	13
9	In-patient care trends in peripheral artery disease in the German healthcare system over the past decade. European Radiology, 2022, 32, 1697-1708.	2.3	17
10	Coronary CT Fractional Flow Reserve before Transcatheter Aortic Valve Replacement: Clinical Outcomes. Radiology, 2022, 302, 50-58.	3.6	9
11	Calcium Scoring at Coronary CT Angiography Using Deep Learning. Radiology, 2022, 302, 309-316.	3.6	27
12	Additive value of epicardial adipose tissue quantification to coronary CT angiographyâ€“derived plaque characterization and CT fractional flow reserve for the prediction of lesion-specific ischemia. European Radiology, 2022, 32, 4243-4252.	2.3	16
13	Prognostic value of epicardial adipose tissue volume in combination with coronary plaque and flow assessment for the prediction of major adverse cardiac events. European Journal of Radiology, 2022, 148, 110157.	1.2	11
14	Cardiovascular Magnetic Resonance Imaging in Myocardial Involvement of Systemic Lupus Erythematosus. Trends in Cardiovascular Medicine, 2022, , .	2.3	4
15	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography. Clinical Imaging, 2022, 84, 149-158.	0.8	4
16	Stable patients with suspected myocardial ischemia: comparison of machine-learning computed tomography-based fractional flow reserve and stress perfusion cardiovascular magnetic resonance imaging to detect myocardial ischemia. BMC Cardiovascular Disorders, 2022, 22, 34.	0.7	3
17	Visualization of Concurrent Epicardial and Microvascular Coronary Artery Disease in a Patient with Systemic Lupus Erythematosus by Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2022, 31, 3-8.	0.7	1
18	One-year outcomes of CCTA alone versus machine learningâ€“based FFRCT for coronary artery disease: a single-center, prospective study. European Radiology, 2022, 32, 5179-5188.	2.3	6

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19	Tumor burden of lung metastases at initial staging in breast cancer patients detected by artificial intelligence as a prognostic tool for precision medicine. Heliyon, 2022, 8, e08962.	1.4	5
20	Functional CAD-RADS using FFRCT on therapeutic management and prognosis in patients with coronary artery disease. European Radiology, 2022, 32, 5210-5221.	2.3	7
21	Time-dependent cardiac structural and functional changes after kidney transplantation: a multi-parametric cardiac magnetic resonance study. European Radiology, 2022, 32, 5265-5275.	2.3	2
22	Impact of machine-learning-based coronary computed tomography angiographyâ€“derived fractional flow reserve on decision-making in patients with severe aortic stenosis undergoing transcatheter aortic valve replacement. European Radiology, 2022, 32, 6008-6016.	2.3	12
23	Computed tomographic assessment of right ventricular long axis strain for prognosis after transcatheter aortic valve replacement. European Journal of Radiology, 2022, 149, 110212.	1.2	2
24	Tumorous tissue characterization using integrated 18F-FDG PET/dual-energy CT in lung cancer: Combining iodine enhancement and glycolytic activity. European Journal of Radiology, 2022, 150, 110116.	1.2	2
25	Unstable plaques hide in heavily calcified coronary arteries. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2744-2754.	1.1	1
26	Editorsâ€™ Recognition for Reviewing in 2021. Journal of Thoracic Imaging, 2022, 37, 1-1.	0.8	0
27	Deep learning model to quantify left atrium volume on routine non-contrast chest CT and predict adverse outcomes. Journal of Cardiovascular Computed Tomography, 2022, 16, 245-253.	0.7	5
28	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis Using Invasive Angiography as Reference Standard. American Journal of Roentgenology, 2022, 219, 407-419.	1.0	14
29	Automated Dual-energy Computed Tomography-based Extracellular Volume Estimation for Myocardial Characterization in Patients With Ischemic and Nonischemic Cardiomyopathy. Journal of Thoracic Imaging, 2022, 37, 307-314.	0.8	7
30	Machine Learning for the Prevalence and Severity of Coronary Artery Calcification in Nondialysis Chronic Kidney Disease Patients. Journal of Thoracic Imaging, 2022, 37, 401-408.	0.8	4
31	CT in Transcatheter-delivered Treatment of Valvular Heart Disease. Radiology, 2022, 304, 4-17.	3.6	11
32	Impact of Artificial Intelligence Assistance on Chest CT Interpretation Times: A Prospective Randomized Study. American Journal of Roentgenology, 2022, 219, 743-751.	1.0	13
33	Role of CTA Surveillance for Management of Endovascular Repair of Aortic Dissection. Heart Surgery Forum, 2022, 25, E441-E448.	0.2	0
34	Feasibility of Coronary CT Angiographyâ€“derived Left Ventricular Long-Axis Shortening as an Early Marker of Ventricular Dysfunction in Transcatheter Aortic Valve Replacement. Radiology: Cardiothoracic Imaging, 2022, 4, .	0.9	3
35	Predictive Value of Cardiac CTA, Cardiac MRI, and Transthoracic Echocardiography for Cardioembolic Stroke Recurrence. American Journal of Roentgenology, 2021, 217, 336-346.	1.0	7
36	Improved long-term prognostic value of coronary CT angiography-derived plaque measures and clinical parameters on adverse cardiac outcome using machine learning. European Radiology, 2021, 31, 486-493.	2.3	21

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37	Computed tomography imaging needs for novel transcatheter tricuspid valve repair and replacement therapies. European Heart Journal Cardiovascular Imaging, 2021, 22, 601-610.	0.5	25
38	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
39	Cardiac magnetic resonance imaging features prognostic information in patients with suspected myocardial infarction with non-obstructed coronary arteries. International Journal of Cardiology, 2021, 327, 223-230.	0.8	11
40	Value of minimum intensity projections for chest CT in COVID-19 patients. European Journal of Radiology, 2021, 135, 109478.	1.2	11
41	Diagnostic accuracy of non-contrast quiescent-interval slice-selective (QISS) MRA combined with MRI-based vascular calcification visualization for the assessment of arterial stenosis in patients with lower extremity peripheral artery disease. European Radiology, 2021, 31, 2778-2787.	2.3	13
42	Different posterior hippocampus and default mode network modulation in young APOE Îµ4 carriers: a functional connectome-informed phenotype longitudinal study. Molecular Neurobiology, 2021, 58, 2757-2769.	1.9	7
43	Quantitative analysis of dynamic computed tomography angiography for the detection of endoleaks after abdominal aorta aneurysm endovascular repair: A feasibility study. PLoS ONE, 2021, 16, e0245134.	1.1	7
44	Measurement accuracy of prototype non-contrast, compressed sensing-based, respiratory motion-resolved whole heart cardiovascular magnetic resonance angiography for the assessment of thoracic aortic dilatation: comparison with computed tomography angiography. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 7.	1.6	7
45	Serial coronary CT angiographyâ€“derived fractional flow reserve and plaque progression can predict long-term outcomes of coronary artery disease. European Radiology, 2021, 31, 7110-7120.	2.3	14
46	Quantitative analysis of three-dimensional left ventricular global strain using coronary computed tomography angiography in patients with heart failure: Comparison with 3T cardiac MR. European Journal of Radiology, 2021, 135, 109485.	1.2	12
47	CMR for myocardial characterization in ischemic heart disease: state-of-the-art and future developments. European Radiology Experimental, 2021, 5, 14.	1.7	30
48	Radiomics. Circulation: Cardiovascular Imaging, 2021, 14, e011747.	1.3	33
49	The diagnostic value of non-contrast magnetic resonance coronary angiography in the assessment of coronary artery disease: A systematic review and meta-analysis. Heliyon, 2021, 7, e06386.	1.4	7
50	Feasibility and Impact of the Combined Application of Coronary CT Angiography With the HEART Pathway in Patients With Suspected Acute Coronary Syndrome. Critical Pathways in Cardiology, 2021, 20, 185-191.	0.2	1
51	Emerging methods for the characterization of ischemic heart disease: ultrafast Doppler angiography, micro-CT, photon-counting CT, novel MRI and PET techniques, and artificial intelligence. European Radiology Experimental, 2021, 5, 12.	1.7	13
52	Compressed sensing acceleration of cardiac cine imaging allows reliable and reproducible assessment of volumetric and functional parameters of the left and right atrium. European Radiology, 2021, 31, 7219-7230.	2.3	10
53	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. BMC Medicine, 2021, 19, 55.	2.3	59
54	A Brave New World: Toward Precision Phenotyping and Understanding of Coronary Artery Disease Using Radiomics Plaque Analysis. Radiology, 2021, 299, 107-108.	3.6	4

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55	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
56	Monitoring of anthracycline-induced myocardial injury using serial cardiac magnetic resonance: An animal study. International Journal of Cardiology, 2021, 328, 111-116.	0.8	1
57	Coronary plaque assessment of Vasodilative capacity by CT angiography effectively estimates fractional flow reserve. International Journal of Cardiology, 2021, 331, 307-315.	0.8	5
58	Non-invasive fractional flow reserve (FFRCT) in the evaluation of acute chest pain â€“ Concepts and first experiences. European Journal of Radiology, 2021, 138, 109633.	1.2	7
59	Comparison of 2D and 3D quiescent-interval slice-selective non-contrast MR angiography in patients with peripheral artery disease. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 649-658.	1.1	5
60	Prospective Evaluation of the First Integrated Positron Emission Tomography/Dual-Energy Computed Tomography System in Patients With Lung Cancer. Journal of Thoracic Imaging, 2021, Publish Ahead of Print, 382-388.	0.8	1
61	Influence of coronary stenosis location on diagnostic performance of machine learning-based fractional flow reserve from CT angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 492-498.	0.7	5
62	â€œPulmonary target signâ€•as a diagnostic feature in chest computed tomography of COVID-19. World Journal of Radiology, 2021, 13, 233-242.	0.5	5
63	Computational fluid dynamics based hemodynamics in the management of intracranial aneurysms: state-of-the-art. Chinese Journal of Academic Radiology, 2021, 4, 150-159.	0.4	1
64	Slow and Steady Wins the Race: Lower Heart Rates Improve Diagnostic Quality for Coronary CT Angiography. Radiology, 2021, 300, 704-705.	3.6	0
65	CT Angiography-Derived RECHARGE Score Predicts Successful Percutaneous Coronary Intervention in Patients with Chronic Total Occlusion. Korean Journal of Radiology, 2021, 22, 697.	1.5	9
66	Prognostic Value of Coronary Computed Tomography Angiographyâ€“derived Morphologic and Quantitative Plaque Markers Using Semiautomated Plaque Software. Journal of Thoracic Imaging, 2021, 36, 108-115.	0.8	11
67	Utility of Functional and Volumetric Left Atrial Parameters Derived From Preprocedural Cardiac CTA in Predicting Mortality After Transcatheter Aortic Valve Replacement. American Journal of Roentgenology, 2021, , .	1.0	2
68	Assessment of Intramyocardial Fat Content Using Computed Tomography. Journal of Thoracic Imaging, 2021, 36, 162-165.	0.8	0
69	Editorsâ€™ Recognition for Reviewing in 2020. Journal of Thoracic Imaging, 2021, 36, 1-1.	0.8	1
70	Relationship of age, atherosclerosis and angiographic stenosis using artificial intelligence. Open Heart, 2021, 8, e001832.	0.9	5
71	Prognostic Value of Coronary CT Angiography-Derived Fractional Flow Reserve in Non-obstructive Coronary Artery Disease: A Prospective Multicenter Observational Study. Frontiers in Cardiovascular Medicine, 2021, 8, 778010.	1.1	2
72	Evaluating a New Contrast Media Injection System in Coronary CT Angiography. Radiologic Technology, 2021, 92, 232-239.	0.1	0

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73	Assessing the value of coronary artery computed tomography as the first-line anatomical test for stable patients with indications for invasive angiography due to suspected coronary artery disease. Initial cost analysis in the CAT-CAD randomized trial. Journal of Cardiovascular Computed Tomography, 2020, 14, 75-79.	0.7	11
74	CT FFR for Ischemia-Specific CAD WithÂaÂNew Computational Fluid Dynamics Algorithm. JACC: Cardiovascular Imaging, 2020, 13, 980-990.	2.3	78
75	Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. JACC: Cardiovascular Imaging, 2020, 13, 760-770.	2.3	73
76	Myocardial extracellular volume fraction to differentiate healthy from cardiomyopathic myocardium using dual-source dual-energy CT. Journal of Cardiovascular Computed Tomography, 2020, 14, 162-167.	0.7	32
77	Correlation of machine learning computed tomography-based fractional flow reserve with instantaneous wave free ratio to detect hemodynamically significant coronary stenosis. Clinical Research in Cardiology, 2020, 109, 735-745.	1.5	11
78	Evaluation of a Deep Learningâ€"Based Automated CT Coronary Artery Calcium Scoring Algorithm. JACC: Cardiovascular Imaging, 2020, 13, 524-526.	2.3	47
79	Low-kV coronary artery calcium scoring with tin filtration using a kV-independent reconstruction algorithm. Journal of Cardiovascular Computed Tomography, 2020, 14, 246-250.	0.7	19
80	Coronary CT angiography derived plaque markers correlated with invasive instantaneous flow reserve for detecting hemodynamically significant coronary stenoses. European Journal of Radiology, 2020, 122, 108744.	1.2	8
81	Cardiac Computed Tomography for Atrial Fibrillation Patients Undergoing Ablation. Journal of Thoracic Imaging, 2020, 35, 186-192.	0.8	7
82	Artificial Intelligence in Cardiac CT: Automated Calcium Scoring and Plaque Analysis. Current Cardiovascular Imaging Reports, 2020, 13, 1.	0.4	3
83	Evaluation of a Tube Voltageâ€"Tailored Contrast Medium Injection Protocol for Coronary CT Angiography: Results From the Prospective VOLCANIC Study. American Journal of Roentgenology, 2020, 215, 1049-1056.	1.0	7
84	Preparedness and Best Practice in Radiology Department for COVID-19 and Other Future Pandemics of Severe Acute Respiratory Infection. Journal of Thoracic Imaging, 2020, 35, 239-245.	0.8	23
85	Ischemia and outcome prediction by cardiac CT based machine learning. International Journal of Cardiovascular Imaging, 2020, 36, 2429-2439.	0.7	13
86	Prognostic implication of CT-FFR based functional SYNTAX score in patients with de novo three-vessel disease. European Heart Journal Cardiovascular Imaging, 2020, , .	0.5	8
87	A clinically applicable deep-learning model for detecting intracranial aneurysm in computed tomography angiography images. Nature Communications, 2020, 11, 6090.	5.8	83
88	Myocardial Mass Corrected CMR Feature Tracking-Based Strain Ratios are Different in Pathologies With Increased Myocardial Mass. Academic Radiology, 2020, , .	1.3	2
89	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 76, 1536-1547.	1.2	38
90	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. JAMA Cardiology, 2020, 5, 1338.	3.0	55

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91	From Radiological Manifestations to Pulmonary Pathogenesis of COVID-19: A Bench to Bedside Review. Radiology Research and Practice, 2020, 2020, 1-12.	0.6	8
92	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
93	In-Hospital Cost Comparison of Triple-Rule-Out Computed Tomography Angiography Versus Standard of Care in Patients With Acute Chest Pain. Journal of Thoracic Imaging, 2020, 35, 198-203.	0.8	2
94	Individualized coronary calcium scoring at any tube voltage using a kV-independent reconstruction algorithm. European Radiology, 2020, 30, 5834-5840.	2.3	8
95	Impact of machine learningâ€"based coronary computed tomography angiography fractional flow reserve on treatment decisions and clinical outcomes in patients with suspected coronary artery disease. European Radiology, 2020, 30, 5841-5851.	2.3	25
96	More holes, more contrast? Comparing an 18-gauge non-fenestrated catheter with a 22-gauge fenestrated catheter for cardiac CT. PLoS ONE, 2020, 15, e0234311.	1.1	3
97	Comparison of Artificial Intelligenceâ€"Based Fully Automatic Chest CT Emphysema Quantification to Pulmonary Function Testing. American Journal of Roentgenology, 2020, 214, 1065-1071.	1.0	32
98	Coronary computed tomography angiography derived flow fractional reserve: the state of the art. Chinese Journal of Academic Radiology, 2020, 3, 84-93.	0.4	0
99	Machine Learning and Coronary Artery Calcium Scoring. Current Cardiology Reports, 2020, 22, 90.	1.3	26
100	A fully automated software platform for structural mitral valve analysis. European Radiology, 2020, 30, 6528-6536.	2.3	1
101	Utilizing Artificial Intelligence to Determine Bone Mineral Density Via Chest Computed Tomography. Journal of Thoracic Imaging, 2020, 35, S35-S39.	0.8	8
102	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
103	Radiologists. Journal of Thoracic Imaging, 2020, 35, S1-S2.	0.8	1
104	Artificial Intelligence in the Management of Intracranial Aneurysms: Current Status and Future Perspectives. American Journal of Neuroradiology, 2020, 41, 373-379.	1.2	54
105	Machine Learning/Deep Neuronal Network. Journal of Thoracic Imaging, 2020, 35, S21-S27.	0.8	18
106	Artificial Intelligence-based Fully Automated Per Lobe Segmentation and Emphysema-quantification Based on Chest Computed Tomography Compared With Global Initiative for Chronic Obstructive Lung Disease Severity of Smokers. Journal of Thoracic Imaging, 2020, 35, S28-S34.	0.8	36
107	The Feasibility, Tolerability, Safety, and Accuracy of Low-radiation Dynamic Computed Tomography Myocardial Perfusion Imaging With Regadenoson Compared With Single-photon Emission Computed Tomography. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 345-352.	0.8	2
108	Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve in Patients with Anomalous Origin of the Right Coronary Artery from the Left Coronary Sinus. Korean Journal of Radiology, 2020, 21, 192.	1.5	19

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109	Current Status of Etiology, Epidemiology, Clinical Manifestations and Imagings for COVID-19. Korean Journal of Radiology, 2020, 21, 1138.	1.5	7
110	Tube Voltage, DNA Double-Strand Breaks, and Image Quality in Coronary CT Angiography. Korean Journal of Radiology, 2020, 21, 967.	1.5	3
111	How the Workload and Outcome of Imaging Examinations Changed During the COVID-19 Pandemic Lockdown. Acta Biomedica, 2020, 91, e2020166.	0.2	1
112	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. European Heart Journal, 2019, 40, 1975-1986.	1.0	327
113	Uric Acid Has Different Effects on Spontaneous Brain Activities of Males and Females: A Cross-Sectional Resting-State Functional MR Imaging Study. Frontiers in Neuroscience, 2019, 13, 763.	1.4	12
114	VALUE OF TRANSLUMINAL ATTENUATION GRADIENT FROM CORONARY CTA TO IDENTIFY VESSEL-SPECIFIC CORONARY ISCHEMIA: RESULTS FROM THE PROSPECTIVE, MULTICENTER, INTERNATIONAL CREDENCE TRIAL. Journal of the American College of Cardiology, 2019, 73, 1452.	1.2	0
115	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
116	Oracle of Our Time: Machine Learning for Predicting Cardiovascular Events. Radiology, 2019, 292, 363-364.	3.6	6
117	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
118	Correcting versus resolving respiratory motion in free-breathing whole-heart MRA: a comparison in patients with thoracic aortic disease. European Radiology Experimental, 2019, 3, 29.	1.7	9
119	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
120	Review of Clinical Applications for Virtual Monoenergetic Dual-Energy CT. Radiology, 2019, 293, 260-271.	3.6	133
121	Diagnostic Performance of Machine Learning Based CT-FFR in Detecting Ischemia in Myocardial Bridging and Concomitant Proximal Atherosclerotic Disease. Canadian Journal of Cardiology, 2019, 35, 1523-1533.	0.8	15
122	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
123	Intermodel disagreement of myocardial blood flow estimation from dynamic CT perfusion imaging. European Journal of Radiology, 2019, 110, 175-180.	1.2	15
124	Quantification of doxorubicin-induced interstitial myocardial fibrosis in a beagle model using equilibrium contrast-enhanced computed tomography: A comparative study with cardiac magnetic resonance T1-mapping. International Journal of Cardiology, 2019, 281, 150-155.	0.8	14
125	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on) Tj ETQq1 1 0.784314 rgBT /Over	0.8	9
126	The effect of prophylactic oral vitamin C use on DNA double-strand breaks after abdominal contrast-enhanced CT: A preliminary study. European Journal of Radiology, 2019, 117, 69-74.	1.2	2

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127	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
128	Effect of Tube Voltage on Diagnostic Performance of Fractional Flow Reserve Derived From Coronary CT Angiography With Machine Learning: Results From the MACHINE Registry. American Journal of Roentgenology, 2019, 213, 325-331.	1.0	8
129	FFR-CT and CT MyocardialÂPerfusionÂImaging. JACC: Cardiovascular Imaging, 2019, 12, 2472-2474.	2.3	6
130	Diagnostic performance of fractional flow reserve derived from coronary CT angiography for detection of lesion-specific ischemia: A multi-center study and meta-analysis. European Journal of Radiology, 2019, 116, 90-97.	1.2	41
131	Automated plaque analysis for the prognostication of major adverse cardiac events. European Journal of Radiology, 2019, 116, 76-83.	1.2	41
132	Machine Learning Using CT-FFR Predicts Proximal Atherosclerotic Plaque Formation Associated With LAD Myocardial Bridging. JACC: Cardiovascular Imaging, 2019, 12, 1591-1593.	2.3	13
133	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
134	Coronary CT angiography radiation dose trends: A 10-year analysis to develop institutional diagnostic reference levels. European Journal of Radiology, 2019, 113, 140-147.	1.2	10
135	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
136	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
137	Editorsâ€™ Recognition Awards for Distinction in Reviewing in 2018. Journal of Thoracic Imaging, 2019, 34, 1-1.	0.8	0
138	Greasing the Skids: Deep Learning for Fully Automated Quantification of Epicardial Fat. Radiology: Artificial Intelligence, 2019, 1, e190140.	3.0	1
139	Free-Breathing Fast Low-Angle Shot Quiescent-Interval Slice-Selective Magnetic Resonance Angiography for Improved Detection of Vascular Stenoses in the Pelvis and Abdomen. Investigative Radiology, 2019, 54, 752-756.	3.5	6
140	Journal of Thoracic Imagingâ€™s Exciting Growth. Journal of Thoracic Imaging, 2019, 34, 285-285.	0.8	1
141	CT Angiographyâ€“derived Fractional Flow Reserve: The Global Game of Thrones. Radiology: Cardiothoracic Imaging, 2019, 1, e190197.	0.9	1
142	Association of Serum Lipid Profile With Coronary Computed Tomographic Angiographyâ€“derived Morphologic and Functional Quantitative Plaque Markers. Journal of Thoracic Imaging, 2019, 34, 26-32.	0.8	3
143	The effect of abdominal contrast-enhanced CT on DNA double-strand breaks in peripheral blood lymphocytes: an in vitro and in vivo study. Acta Radiologica, 2019, 60, 687-693.	0.5	7
144	Robot-assisted percutaneous placement of K-wires during minimally invasive interventions of the spine. Minimally Invasive Therapy and Allied Technologies, 2019, 28, 373-380.	0.6	14

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145	Iodine quantification based on rest / stress perfusion dual energy CT to differentiate ischemic, infarcted and normal myocardium. European Journal of Radiology, 2019, 112, 136-143.	1.2	11
146	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
147	Fractional flow reserve derived from CCTA may have a prognostic role in myocardial bridging. European Radiology, 2019, 29, 3017-3026.	2.3	19
148	Feasibility of extracellular volume quantification using dual-energy CT. Journal of Cardiovascular Computed Tomography, 2019, 13, 81-84.	0.7	26
149	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
150	Comparison of the Diagnostic Performance of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve in Patients With Versus Without Diabetes Mellitus (from the MACHINE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53	0.7	18
151	Low CT temporal sampling rates result in a substantial underestimation of myocardial blood flow measurements. International Journal of Cardiovascular Imaging, 2019, 35, 539-547.	0.7	11
152	Deep learning to convert unstructured CT pulmonary angiography reports into structured reports. European Radiology Experimental, 2019, 3, 37.	1.7	23
153	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
154	Beam-hardening in 70-kV Coronary CT angiography: Artifact reduction using an advanced post-processing algorithm. European Journal of Radiology, 2018, 101, 111-117.	1.2	5
155	Contrast media injection protocol optimization for dual-energy coronary CT angiography: results from a circulation phantom. European Radiology, 2018, 28, 3473-3481.	2.3	11
156	Predictive value of coronary computed tomography angiography in asymptomatic individuals with diabetes mellitus: Systematic review and meta-analysis. Journal of Cardiovascular Computed Tomography, 2018, 12, 320-328.	0.7	24
157	Non-contrast-enhanced magnetic resonance angiography: a reliable clinical tool for evaluating transplant renal artery stenosis. European Radiology, 2018, 28, 4195-4204.	2.3	21
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