Damini Dey

List of Publications by Year in descending order

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300	11,898	22099	45213
papers	citations	59 h-index	90 g-index

332	332	332	8149
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated nonlinear registration of coronary PET to CT angiography using pseudo-CT generated from PET with generative adversarial networks. Journal of Nuclear Cardiology, 2023, 30, 604-615.	1.4	11
2	Automated quantitative analysis of CZT SPECT stratifies cardiovascular risk in the obese population: Analysis of the REFINE SPECT registry. Journal of Nuclear Cardiology, 2022, 29, 727-736.	1.4	11
3	CT-based radiomics and machine learning for the prediction of myocardial ischemia: Toward increasing quantification. Journal of Nuclear Cardiology, 2022, 29, 275-277.	1.4	4
4	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. Journal of Nuclear Cardiology, 2022, 29, 126-135.	1.4	26
5	Respiration-averaged CT versus standard CT attenuation map for correction of 18F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. Journal of Nuclear Cardiology, 2022, 29, 430-439.	1.4	17
6	Quantifying microcalcification activity in the thoracic aorta. Journal of Nuclear Cardiology, 2022, 29, 1372-1385.	1.4	21
7	Machine Learning with ¹⁸F-Sodium Fluoride PET and Quantitative Plaque Analysis on CT Angiography for the Future Risk of Myocardial Infarction. Journal of Nuclear Medicine, 2022, 63, 158-165.	2.8	34
8	Coronary artery disease in East and South Asians: differences observed on cardiac CT. Heart, 2022, 108, 251-257.	1.2	6
9	Value of semiquantitative assessment of high-risk plaque features on coronary CT angiography over stenosis in selection of studies for FFRct. Journal of Cardiovascular Computed Tomography, 2022, 16, 27-33.	0.7	8
10	Diagnostic safety of a machine learning-based automatic patient selection algorithm for stress-only myocardial perfusion SPECT. Journal of Nuclear Cardiology, 2022, 29, 2295-2307.	1.4	21
11	Incidence of new-onset atrial fibrillation in COVID-19 is associated with increased epicardial adipose tissue. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 383-391.	0.6	5
12	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102.	2.3	44
13	Determining a minimum set of variables for machine learning cardiovascular event prediction: results from REFINE SPECT registry. Cardiovascular Research, 2022, 118, 2152-2164.	1.8	26
14	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	0.5	21
15	Detection of small coronary calcifications in patients with Agatston coronary artery calcium score of zero. Journal of Cardiovascular Computed Tomography, 2022, 16, 150-154.	0.7	7
16	The prevalence and predictors of inducible myocardial ischemia among patients referred for radionuclide stress testing. Journal of Nuclear Cardiology, 2022, 29, 2839-2849.	1.4	7
17	The Evolving Role of Artificial Intelligence in Cardiac Image Analysis. Canadian Journal of Cardiology, 2022, 38, 214-224.	0.8	8
18	Plaque Rupture, Compared With Plaque Erosion, Is Associated With a Higher Level of Pancoronary Inflammation. JACC: Cardiovascular Imaging, 2022, 15, 828-839.	2.3	29

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19	Artificial Intelligence and Cardiac PET/Computed Tomography Imaging. PET Clinics, 2022, 17, 85-94.	1.5	2
20	Comparison of diabetes to other prognostic predictors among patients referred for cardiac stress testing: A contemporary analysis from the REFINE SPECT Registry. Journal of Nuclear Cardiology, 2022, 29, 3003-3014.	1.4	6
21	18F-GP1 Positron Emission Tomography and Bioprosthetic Aortic Valve Thrombus. JACC: Cardiovascular Imaging, 2022, 15, 1107-1120.	2.3	12
22	Radiomics-Based Precision PhenotypingÂIdentifies Unstable Coronary Plaques From Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2022, 15, 859-871.	2.3	24
23	Aortic valve imaging using 18F-sodium fluoride: impact of triple motion correction. EJNMMI Physics, 2022, 9, 4.	1.3	3
24	Intramyocardial Hemorrhage and the â€œWave Frontâ€•of Reperfusion Injury Compromising Myocardial Salvage. Journal of the American College of Cardiology, 2022, 79, 35-48.	1.2	38
25	Association of Plaque Location and Vessel Geometry Determined by Coronary Computed Tomographic Angiography With Future Acute Coronary Syndromeâ€“Causing Culprit Lesions. JAMA Cardiology, 2022, 7, 309.	3.0	13
26	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression. Journal of the American College of Cardiology, 2022, 79, 223-233.	1.2	66
27	Bypass Grafting and Native Coronary Artery Disease Activity. JACC: Cardiovascular Imaging, 2022, 15, 875-887.	2.3	24
28	Prevalence and predictors of automatically quantified myocardial ischemia within a multicenter international registry. Journal of Nuclear Cardiology, 2022, 29, 3221-3232.	1.4	3
29	Coronary Artery and Cardiac Disease in Patients With Type 2 Myocardial Infarction: A Prospective Cohort Study. Circulation, 2022, 145, 1188-1200.	1.6	32
30	The Journal of cardiovascular computed tomography: A year in review 2021. Journal of Cardiovascular Computed Tomography, 2022, , .	0.7	1
31	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study. The Lancet Digital Health, 2022, 4, e256-e265.	5.9	85
32	COVID-19 lesion segmentation using convolutional LSTM for self-attention. , 2022, , .		1
33	Editorial: Radiomics in Cardiovascular Imaging. Frontiers in Cardiovascular Medicine, 2022, 9, 876713.	1.1	1
34	Calcium scoring in low-dose ungated chest CT scans using convolutional long-short term memory networks. , 2022, , .		2
35	Handling missing values in machine learning to predict patient-specific risk of adverse cardiac events: Insights from REFINE SPECT registry. Computers in Biology and Medicine, 2022, 145, 105449.	3.9	14
36	Epicardial fat volume is associated with preexisting atrioventricular conduction abnormalities and increased pacemaker implantation rate in patients undergoing transcatheter aortic valve implantation. International Journal of Cardiovascular Imaging, 2022, 38, 1399-1406.	0.7	1

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37	Differences of inflammatory cytokine profile in patients with vulnerable plaque: A coronary CTA study. Atherosclerosis, 2022, 350, 25-32.	0.4	2
38	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088.	2.3	46
39	Radiomorphological signs and clinical severity of SARS-CoV-2 lineage B.1.1.7. BJR|Open, 2022, 4, .	0.4	1
40	Explainable Deep Learning Improves Physician Interpretation of Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2022, , jnumed.121.263686.	2.8	7
41	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	0.9	6
42	Breast arterial calcification and epicardial adipose tissue volume, but not density are independently associated with cardiovascular risk. International Journal of Cardiology, 2022, 360, 78-82.	0.8	1
43	Atherogenic index of plasma is associated with epicardial adipose tissue volume assessed on coronary computed tomography angiography. Scientific Reports, 2022, 12, .	1.6	4
44	Reproducibility of quantitative coronary calcium scoring from PET/CT attenuation maps: comparison to ECG-gated CT scans. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4122-4132.	3.3	11
45	Plaque Burden and 1-Year Outcomes inÂAcute Chest Pain. JACC: Cardiovascular Imaging, 2022, 15, 1916-1925.	2.3	16
46	Differences in Prognostic Value of Myocardial Perfusion Single-Photon Emission Computed Tomography Using High-Efficiency Solid-State Detector Between Men and Women in a Large International Multicenter Study. Circulation: Cardiovascular Imaging, 2022, 15, .	1.3	2
47	Machine learning to predict abnormal myocardial perfusion from pre-test features. Journal of Nuclear Cardiology, 2022, 29, 2393-2403.	1.4	7
48	Bridging inflammation. European Heart Journal, 2021, 42, 3384-3384.	1.0	1
49	Repeatability of quantitative pericoronary adipose tissue attenuation and coronary plaque burden from coronary CT angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 81-84.	0.7	35
50	Prognostically safe stress-only single-photon emission computed tomography myocardial perfusion imaging guided by machine learning: report from REFINE SPECT. European Heart Journal Cardiovascular Imaging, 2021, 22, 705-714.	0.5	38
51	Coronary plaque burden in Turner syndrome a coronary computed tomography angiography study. Heart and Vessels, 2021, 36, 14-23.	0.5	3
52	High levels of eicosapentaenoic acid are associated with lower pericoronary adipose tissue attenuation as measured by coronary CTA. Atherosclerosis, 2021, 316, 73-78.	0.4	13
53	Machine learning integration of circulating and imaging biomarkers for explainable patient-specific prediction of cardiac events: A prospective study. Atherosclerosis, 2021, 318, 76-82.	0.4	37
54	Non-calcific aortic tissue quantified from computed tomography angiography improves diagnosis and prognostication of patients referred for transcatheter aortic valve implantation. European Heart Journal Cardiovascular Imaging, 2021, 22, 626-635.	0.5	16

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55	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. Metabolism: Clinical and Experimental, 2021, 115, 154436.	1.5	48
56	Society of Cardiovascular Computed Tomography / North American Society of Cardiovascular Imaging â€“ Expert Consensus Document on Coronary CT Imaging of Atherosclerotic Plaque. Journal of Cardiovascular Computed Tomography, 2021, 15, 93-109.	0.7	117
57	Pericoronary adipose tissue computed tomography attenuation distinguishes different stages of coronary artery disease: a cross-sectional study. European Heart Journal Cardiovascular Imaging, 2021, 22, 298-306.	0.5	52
58	Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score. European Radiology, 2021, 31, 1227-1235.	2.3	15
59	Computed tomography and artificial intelligence. , 2021, , 211-239.		3
60	Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. Radiology: Cardiothoracic Imaging, 2021, 3, e200512.	0.9	39
61	Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. Journal of Nuclear Medicine, 2021, 62, 1582-1590.	2.8	7
62	Epicardial fat and coronary artery disease: Role of cardiac imaging. Atherosclerosis, 2021, 321, 30-38.	0.4	54
63	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. Journal of Cardiovascular Computed Tomography, 2021, 15, 180-189.	0.7	9
64	Artificial intelligence in cardiovascular CT: Current status and future implications. Journal of Cardiovascular Computed Tomography, 2021, 15, 462-469.	0.7	20
65	Impact of Early Revascularization on Major Adverse Cardiovascular Events inÂRelation to Automatically QuantifiedÂIschemia. JACC: Cardiovascular Imaging, 2021, 14, 644-653.	2.3	28
66	Imaging of the Pericoronary Adipose Tissue (PCAT) Using Cardiac Computed Tomography. Journal of Thoracic Imaging, 2021, 36, 149-161.	0.8	24
67	Pericoronary Adipose Tissue Attenuation Is Associated with High-Risk Plaque and Subsequent Acute Coronary Syndrome in Patients with Stable Coronary Artery Disease. Cells, 2021, 10, 1143.	1.8	23
68	Ethnic differences in coronary anatomy, left ventricular mass and CT-derived fractional flow reserve. Journal of Cardiovascular Computed Tomography, 2021, 15, 249-257.	0.7	5
69	Coronary artery calcification and epicardial adipose tissue as independent predictors of mortality in COVID-19. International Journal of Cardiovascular Imaging, 2021, 37, 3093-3100.	0.7	19
70	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. Journal of Cardiovascular Computed Tomography, 2021, 15, 333-338.	0.7	24
71	Prognostic Value of Phase Analysis for Predicting Adverse Cardiac Events Beyond Conventional Single-Photon Emission Computed Tomography Variables: Results From the REFINE SPECT Registry. Circulation: Cardiovascular Imaging, 2021, 14, e012386.	1.3	13
72	Automated Quality-Controlled Cardiovascular Magnetic Resonance Pericardial Fat Quantification Using a Convolutional Neural Network in the UK Biobank. Frontiers in Cardiovascular Medicine, 2021, 8, 677574.	1.1	14

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73	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. European Heart Journal Open, 2021, 1, oeab019.	0.9	15
74	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
75	Human coronary inflammation by computed tomography: Relationship with coronary microvascular dysfunction. International Journal of Cardiology, 2021, 336, 8-13.	0.8	14
76	The accuracy of coronary CT angiography in patients with coronary calcium score above 1000 Agatston Units: Comparison with quantitative coronary angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 412-418.	0.7	13
77	Pericoronary adipose tissue CT attenuation and its association with serum levels of atherosclerosis-relevant inflammatory mediators, coronary calcification and major adverse cardiac events. Journal of Cardiovascular Computed Tomography, 2021, 15, 449-454.	0.7	21
78	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1804-1814.	2.3	28
79	Metabolic syndrome, fatty liver, and artificial intelligence-based epicardial adipose tissue measures predict long-term risk of cardiac events: a prospective study. Cardiovascular Diabetology, 2021, 20, 27.	2.7	33
80	Contrast-enhanced computed tomography assessment of aortic stenosis. Heart, 2021, 107, 1905-1911.	1.2	32
81	Noncalcified plaque burden quantified from coronary computed tomography angiography improves prediction of side branch occlusion after main vessel stenting in bifurcation lesions: results from the CT-PRECISION registry. Clinical Research in Cardiology, 2021, 110, 114-123.	1.5	5
82	Computed tomography angiography-derived extracellular volume fraction predicts early recovery of left ventricular systolic function after transcatheter aortic valve replacement. European Heart Journal Cardiovascular Imaging, 2021, 22, 179-185.	0.5	20
83	Relationship Between Coronary Atheroma, Epicardial Adipose Tissue Inflammation, and Adipocyte Differentiation Across the Human Myocardial Bridge. Journal of the American Heart Association, 2021, 10, e021003.	1.6	15
84	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. Journal of Nuclear Cardiology, 2020, 27, 962-972.	1.4	32
85	Upper reference limits of transient ischemic dilation ratio for different protocols on new-generation cadmium zinc telluride cameras: A report from REFINE SPECT registry. Journal of Nuclear Cardiology, 2020, 27, 1180-1189.	1.4	17
86	Non-contrast cardiac CT-based quantitative evaluation of epicardial and intra-thoracic fat in healthy, recently menopausal women: Reproducibility data from the Kronos Early Estrogen Prevention Study. Journal of Cardiovascular Computed Tomography, 2020, 14, 55-59.	0.7	7
87	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 58-66.	0.5	50
88	Simultaneous Tc-99m PYP/Tl-201 dual-isotope SPECT myocardial imaging in patients with suspected cardiac amyloidosis. Journal of Nuclear Cardiology, 2020, 27, 28-37.	1.4	25
89	Free-breathing coronary CT angiography without heart-rate control: Feasibility in selected patients. Journal of Cardiovascular Computed Tomography, 2020, 14, 281.	0.7	0
90	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	1.4	43

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91	Rationale and design of the REgistry of Fast Myocardial Perfusion Imaging with NExt generation SPECT (REFINE SPECT). Journal of Nuclear Cardiology, 2020, 27, 1010-1021.	1.4	74
92	Machine-Learning CT-FFR and ExtensiveÂCoronary Calcium. JACC: Cardiovascular Imaging, 2020, 13, 771-773.	2.3	6
93	5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785.	2.3	70
94	Machine learning predicts per-vessel early coronary revascularization after fast myocardial perfusion SPECT: results from multicentre REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 549-559.	0.5	70
95	Whole-vessel coronary 18F-sodium fluoride PET for assessment of the global coronary microcalcification burden. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1736-1745.	3.3	50
96	Machine learning to predict the long-term risk of myocardial infarction and cardiac death based on clinical risk, coronary calcium, and epicardial adipose tissue: a prospective study. Cardiovascular Research, 2020, 116, 2216-2225.	1.8	78
97	Epicardial Adipose Tissue. JACC: Cardiovascular Imaging, 2020, 13, 882-884.	2.3	3
98	Coronary computed tomographyâ€“angiography quantitative plaque analysis improves detection of early cardiac allograft vasculopathy: A pilot study. American Journal of Transplantation, 2020, 20, 1375-1383.	2.6	13
99	Myocardial Ischemic Burden and Differences in Prognosis Among Patients With and Without Diabetes: Results From the Multicenter International REFINE SPECT Registry. Diabetes Care, 2020, 43, 453-459.	4.3	21
100	Cholesterol crystal-induced coronary inflammation: Insights from optical coherence tomography and pericoronary adipose tissue computed tomography attenuation. Journal of Cardiovascular Computed Tomography, 2020, 14, 277-278.	0.7	6
101	The association between epicardial adipose tissue thickness around the right ventricular free wall evaluated by transthoracic echocardiography and left atrial appendage function. International Journal of Cardiovascular Imaging, 2020, 36, 585-593.	0.7	2
102	Quantitative Burden of COVID-19 Pneumonia at Chest CT Predicts Adverse Outcomes: A Post Hoc Analysis of a Prospective International Registry. Radiology: Cardiothoracic Imaging, 2020, 2, e200389.	0.9	32
103	Response by Williams et al to Letter Regarding Article, â€œLow-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART)â€• Circulation, 2020, 142, e244-e245.	1.6	14
104	Coronary flow impairment in asymptomatic patients with early stage type-2 diabetes: Detection by FFR_{CT}. Diabetes and Vascular Disease Research, 2020, 17, 147916412095842.	0.9	4
105	Feasibility of measuring pericoronary fat from precontrast scans: Effect of iodinated contrast on pericoronary fat attenuation. Journal of Cardiovascular Computed Tomography, 2020, 14, 490-494.	0.7	15
106	Prognostic Value of Computed Tomographyâ€“Derived Extracellular Volume in TAVR Patients With Low-Flow Low-Gradient Aortic Stenosis. JACC: Cardiovascular Imaging, 2020, 13, 2591-2601.	2.3	20
107	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	1.3	43
108	Associations Among Self-reported Physical Activity, Coronary Artery Calcium Scores, and Mortality Risk in Older Adults. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 229-237.	1.2	14

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109	Coronary 18F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 3061-3074.	1.2	100
110	Artificial intelligence: improving the efficiency of cardiovascular imaging. Expert Review of Medical Devices, 2020, 17, 565-577.	1.4	20
111	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
112	Heart Rateâ^'Independent 3D Myocardial Blood Oxygen Levelâ^'Dependent MRI at 3.0 T with Simultaneous ¹³Nâ^'Ammonia PET Validation. Radiology, 2020, 295, 82-93.	3.6	10
113	Deep Learningâ€"Based Quantification of Epicardial Adipose Tissue Volume and Attenuation Predicts Major Adverse Cardiovascular Events in Asymptomatic Subjects. Circulation: Cardiovascular Imaging, 2020, 13, e009829.	1.3	77
114	Pericoronary adipose tissue and quantitative global non-calcified plaque characteristics from CT angiography do not differ in matched South Asian, East Asian and European-origin Caucasian patients with stable chest pain. European Journal of Radiology, 2020, 125, 108874.	1.2	29
115	The Natural history of Epicardial Adipose Tissue Volume and Attenuation: A long-term prospective cohort follow-up study. Scientific Reports, 2020, 10, 7109.	1.6	25
116	Prevalence of Coronary Artery Calcium in Patients With Atrial Fibrillation With and Without Cardiovascular Risk Factors. American Journal of Cardiology, 2020, 125, 1765-1769.	0.7	9
117	Transient ischaemic dilation and post-stress wall motion abnormality increase risk in patients with less than moderate ischaemia: analysis of the REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 567-575.	0.5	21
118	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype. JACC: Cardiovascular Imaging, 2020, 13, 2371-2383.	2.3	86
119	Application and Translation of Artificial Intelligence to Cardiovascular Imaging in Nuclear Medicine and Noncontrast CT. Seminars in Nuclear Medicine, 2020, 50, 357-366.	2.5	23
120	Advanced Coronary Artery Vessel Wall Imaging and Future Directions. , 2020, , 245-266.		0
121	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary 18F-NaF PET. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2610-2620.	3.3	45
122	Comparison of Coronary Atherosclerotic Plaque Burden and Composition as Assessed on Coronary Computed Tomography Angiography in East Asian and European-Origin Caucasians. American Journal of Cardiology, 2019, 124, 1012-1019.	0.7	13
123	Utility of novel serum biomarkers to predict subclinical atherosclerosis: A sub-analysis of the EISNER study. Atherosclerosis, 2019, 282, 80-84.	0.4	10
124	Intracranial Vessel Wall Segmentation Using Convolutional Neural Networks. IEEE Transactions on Biomedical Engineering, 2019, 66, 2840-2847.	2.5	31
125	Accurate needle-free assessment of myocardial oxygenation for ischemic heart disease in canines using magnetic resonance imaging. Science Translational Medicine, 2019, 11, .	5.8	12
126	Increased Pericoronary Adipose Tissue Attenuation Is Related To Progression Of Coronary Plaque Burden Quantified From Coronary Ct Angiography. Journal of Cardiovascular Computed Tomography, 2019, 13, S34.	0.7	0

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127	Standardized volumetric plaque quantification and characterization from coronary CT angiography: a head-to-head comparison with invasive intravascular ultrasound. European Radiology, 2019, 29, 6129-6139.	2.3	50
128	Artificial Intelligence in Cardiovascular Imaging. Journal of the American College of Cardiology, 2019, 73, 1317-1335.	1.2	374
129	Spotty Calcium on Cervicocerebral Computed Tomography Angiography Associates With Increased Risk of Ischemic Stroke. Stroke, 2019, 50, 859-866.	1.0	22
130	Decrease in LDL-C is associated with decrease in all components of noncalcified plaque on coronary CTA. Atherosclerosis, 2019, 285, 128-134.	0.4	6
131	Carotid plaque composition by CT angiography in asymptomatic subjects: a head-to-head comparison to ultrasound. European Radiology, 2019, 29, 5920-5931.	2.3	8
132	Volumes of coronary plaque disease in relation to body mass index, waist circumference, truncal fat mass and epicardial adipose tissue in patients with type 2 diabetes mellitus and controls. Diabetes and Vascular Disease Research, 2019, 16, 328-336.	0.9	16
133	Effect of tube potential and luminal contrast attenuation on atherosclerotic plaque attenuation by coronary CT angiography: In vivo comparison with intravascular ultrasound. Journal of Cardiovascular Computed Tomography, 2019, 13, 219-225.	0.7	14
134	Relationship between changes in pericoronary adipose tissue attenuation and coronary plaque burden quantified from coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 636-643.	0.5	129
135	Peri-Coronary Adipose Tissue Density IsÂAssociated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients WithÂHigh-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	2.3	129
136	Perivascular Adipose Tissue and Coronary Atherosclerosis: from Biology to Imaging Phenotyping. Current Atherosclerosis Reports, 2019, 21, 47.	2.0	67
137	Improved Evaluation of Lipid-Rich Plaque at Coronary CT Angiography: Head-to-Head Comparison with Intravascular US. Radiology: Cardiothoracic Imaging, 2019, 1, e190069.	0.9	9
138	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. Radiology: Artificial Intelligence, 2019, 1, e190045.	3.0	83
139	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	2.8	44
140	Age- and gender-adjusted percentiles for number of calcified plaques in coronary artery calcium scanning. Journal of Cardiovascular Computed Tomography, 2019, 13, 319-324.	0.7	14
141	Data-Driven Gross Patient Motion Detection and Compensation: Implications for Coronary ¹⁸F-NaF PET Imaging. Journal of Nuclear Medicine, 2019, 60, 830-836.	2.8	39
142	Sex difference in fibrin clot lysability: Association with coronary plaque composition. Thrombosis Research, 2019, 174, 129-136.	0.8	12
143	Deep Learning Analysis of Upright-Supine High-Efficiency SPECT Myocardial Perfusion Imaging for Prediction of Obstructive Coronary Artery Disease: A Multicenter Study. Journal of Nuclear Medicine, 2019, 60, 664-670.	2.8	113
144	Deep learning-based stenosis quantification from coronary CT angiography. , 2019, 10949, .		27

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145	Poor Correlation, Reproducibility, and Agreement Between Volumetric Versus Linear Epicardial Adipose Tissue Measurement. JACC: Cardiovascular Imaging, 2018, 11, 1035-1036.	2.3	27
146	Comparison of invasively measured FFR with FFR derived from coronary CT angiography for detection of lesion-specific ischemia: Results from a PC-based prototype algorithm. Journal of Cardiovascular Computed Tomography, 2018, 12, 101-107.	0.7	31
147	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. JACC: Cardiovascular Imaging, 2018, 11, 521-530.	2.3	95
148	Deep Learning for Quantification of Epicardial and Thoracic Adipose Tissue From Non-Contrast CT. IEEE Transactions on Medical Imaging, 2018, 37, 1835-1846.	5.4	135
149	Integrated prediction of lesion-specific ischaemia from quantitative coronary CT angiography using machine learning: a multicentre study. European Radiology, 2018, 28, 2655-2664.	2.3	135
150	Deep Learning for Prediction of Obstructive Disease From Fast Myocardial Perfusion SPECT. JACC: Cardiovascular Imaging, 2018, 11, 1654-1663.	2.3	246
151	Automatic determination of cardiovascular risk by CT attenuation correction maps in Rb-82 PET/CT. Journal of Nuclear Cardiology, 2018, 25, 2133-2142.	1.4	49
152	Prognostic Value of Combined Clinical andÂMyocardial Perfusion Imaging Data Using Machine Learning. JACC: Cardiovascular Imaging, 2018, 11, 1000-1009.	2.3	172
153	Epicardial adipose tissue density and volume are related to subclinical atherosclerosis, inflammation and major adverse cardiac events in asymptomatic subjects. Journal of Cardiovascular Computed Tomography, 2018, 12, 67-73.	0.7	143
154	Feasibility of Coronary ¹⁸ F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e008325.	1.3	36
155	Coronary computed tomographic imaging in women: An expert consensus statement from the Society of Cardiovascular Computed Tomography. Journal of Cardiovascular Computed Tomography, 2018, 12, 451-466.	0.7	41
156	Non-invasive fractional flow reserve in vessels without severe obstructive stenosis is associated with coronary plaque burden. Journal of Cardiovascular Computed Tomography, 2018, 12, 379-384.	0.7	17
157	Cardiac CT: Technological Advances in Hardware, Software, and Machine Learning Applications. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.4	14
158	Calcium removal from cardiac ct images using deep convolutional neural network. , 2018, , .		3
159	Pericoronary Adipose Tissue Computed Tomography Attenuation and High-Risk Plaque Characteristics in Acute Coronary Syndrome Compared With Stable Coronary Artery Disease. JAMA Cardiology, 2018, 3, 858.	3.0	186
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