Damini Dey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264 papers	7,173 citations	48 h-index	71 g-index
332 ext. papers	9,903 ext. citations	4.8 avg, IF	5.85 L-index

#	Paper	IF	Citations
264	Radiomics-Based Precision Phenotyping Identifies Unstable Coronary Plaques From Computed Tomography Angiography.. *JACC: Cardiovascular Imaging*, **2022**, 15, 859-871	8.4	2
263	Aortic valve imaging using F-sodium fluoride: impact of triple motion correction.. *EJNMMI Physics*, **2022**, 9, 4	4.4	0
262	Intramyocardial Hemorrhage and the "Wave Front" of Reperfusion Injury Compromising Myocardial Salvage.. *Journal of the American College of Cardiology*, **2022**, 79, 35-48	15.1	4
261	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression.. *Journal of the American College of Cardiology*, **2022**, 79, 223-233	15.1	11
260	Artificial Intelligence and Cardiac PET/Computed Tomography Imaging. *PET Clinics*, **2022**, 17, 85-94	2.2	0
259	Prevalence and predictors of automatically quantified myocardial ischemia within a multicenter international registry.. *Journal of Nuclear Cardiology*, **2022**, 1	2.1	0
258	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	14.4	3
257	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	7	1
256	Differences of inflammatory cytokine profile in patients with vulnerable plaque: A coronary CTA study.. *Atherosclerosis*, **2022**, 350, 25-32	3.1	0
255	Artificial Intelligence-Based Evaluation of Coronary Atherosclerotic Plaques. *Contemporary Medical Imaging*, **2022**, 259-265	0.1	
254	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography.. *Radiology: Cardiothoracic Imaging*, **2022**, 4, e210260	8.3	1
253	Bridging inflammation. *European Heart Journal*, **2021**, 42, 3384	9.5	
252	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	6	2
251	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*, **2021**, 1	2.1	2
250	The prevalence and predictors of inducible myocardial ischemia among patients referred for radionuclide stress testing. *Journal of Nuclear Cardiology*, **2021**, 1	2.1	2
249	The evolving role of artificial intelligence in cardiac image analysis. *Canadian Journal of Cardiology*, **2021**,	3.8	1
248	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	6.1	3

247	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	4.1	2
246	Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. *Journal of Nuclear Medicine*, **2021**, 62, 1582-1590	8.9	1
245	Epicardial fat and coronary artery disease: Role of cardiac imaging. *Atherosclerosis*, **2021**, 321, 30-38	3.1	18
244	Artificial intelligence in cardiovascular CT: Current status and future implications. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 462-469	2.8	2
243	Impact of Early Revascularization on Major Adverse Cardiovascular Events in Relation to Automatically Quantified Ischemia. *JACC: Cardiovascular Imaging*, **2021**, 14, 644-653	8.4	8
242	Imaging of the Pericoronary Adipose Tissue (PCAT) Using Cardiac Computed Tomography: Modern Clinical Implications. *Journal of Thoracic Imaging*, **2021**, 36, 149-161	5.6	3
241	Machine-learning with F-sodium fluoride PET and quantitative plaque analysis on CT angiography for the future risk of myocardial infarction. *Journal of Nuclear Medicine*, **2021**,	8.9	7
240	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,	7.9	3
239	Ethnic differences in coronary anatomy, left ventricular mass and CT-derived fractional flow reserve. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 249-257	2.8	0
238	Coronary artery calcification and epicardial adipose tissue as independent predictors of mortality in COVID-19. *International Journal of Cardiovascular Imaging*, **2021**, 37, 3093-3100	2.5	4
237	Diagnostic safety of a machine learning-based automatic patient selection algorithm for stress-only myocardial perfusion SPECT. *Journal of Nuclear Cardiology*, **2021**, 1	2.1	4
236	Incidence of new-onset atrial fibrillation in COVID-19 is associated with increased epicardial adipose tissue. *Journal of Interventional Cardiac Electrophysiology*, **2021**, 1	2.4	1
235	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 333-338	2.8	6
234	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. *JACC: Cardiovascular Imaging*, **2021**,	8.4	8
233	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	3.9	0
232	Determining a minimum set of variables for machine learning cardiovascular event prediction: results from REFINE SPECT registry. *Cardiovascular Research*, **2021**,	9.9	4
231	Repeatability of quantitative pericoronary adipose tissue attenuation and coronary plaque burden from coronary CT angiography. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 81-84	2.8	15
230	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	4.1	15

229	Coronary plaque burden in Turner syndrome a coronary computed tomography angiography study. *Heart and Vessels*, **2021**, 36, 14-23	2.1	1
228	High levels of eicosapentaenoic acid are associated with lower pericoronary adipose tissue attenuation as measured by coronary CTA. *Atherosclerosis*, **2021**, 316, 73-78	3.1	6
227	Machine learning integration of circulating and imaging biomarkers for explainable patient-specific prediction of cardiac events: A prospective study. *Atherosclerosis*, **2021**, 318, 76-82	3.1	13
226	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	4.1	2
225	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. *Metabolism: Clinical and Experimental*, **2021**, 115, 154436	12.7	27
224	Society of Cardiovascular Computed Tomography / North American Society of Cardiovascular Imaging - Expert Consensus Document on Coronary CT Imaging of Atherosclerotic Plaque. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 93-109	2.8	29
223	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	4.1	8
222	Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score. *European Radiology*, **2021**, 31, 1227-1235	8	10
221	Computed tomography and artificial intelligence **2021**, 211-239		0
220	Quantifying microcalcification activity in the thoracic aorta. *Journal of Nuclear Cardiology*, **2021**, 1	2.1	6
219	Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. *Radiology: Cardiothoracic Imaging*, **2021**, 3, e200512	8.3	10
218	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	5.4	4
217	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. *European Heart Journal Open*, **2021**, 1, oeab019		1
216	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. *Circulation*, **2021**, 144, 1396-1408	16.7	9
215	Human coronary inflammation by computed tomography: Relationship with coronary microvascular dysfunction. *International Journal of Cardiology*, **2021**, 336, 8-13	3.2	4
214	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	2.8	2
213	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	2.8	1
212	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*, **2021**,	4.1	1

211	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. *JACC: Cardiovascular Imaging*, **2021**, 14, 1804-1814	8.4	7
210	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	8.7	6
209	Contrast-enhanced computed tomography assessment of aortic stenosis. *Heart*, **2021**, 107, 1905-1911	5.1	5
208	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*, **2021**, 1	2.5	
207	Coronary F-Fluoride Uptake and Progression of Coronary Artery Calcification. *Circulation: Cardiovascular Imaging*, **2020**, 13, e011438	3.9	12
206	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	3.1	6
205	Coronary F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. *Journal of the American College of Cardiology*, **2020**, 75, 3061-3074	15.1	38
204	Artificial intelligence: improving the efficiency of cardiovascular imaging. *Expert Review of Medical Devices*, **2020**, 17, 565-577	3.5	8
203	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART). *Circulation*, **2020**, 141, 1452-1462	16.7	105
202	Heart Rate-Independent 3D Myocardial Blood Oxygen Level-Dependent MRI at 3.0 T with Simultaneous N-Ammonia PET Validation. *Radiology*, **2020**, 295, 82-93	20.5	5
201	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. *Journal of Nuclear Cardiology*, **2020**, 1	2.1	6
200	Respiration-averaged CT versus standard CT attenuation map for correction of F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. *Journal of Nuclear Cardiology*, **2020**, 1	2.1	7
199	Deep Learning-Based Quantification of Epicardial Adipose Tissue Volume and Attenuation Predicts Major Adverse Cardiovascular Events in Asymptomatic Subjects. *Circulation: Cardiovascular Imaging*, **2020**, 13, e009829	3.9	35
198	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	4.7	12
197	The Natural history of Epicardial Adipose Tissue Volume and Attenuation: A long-term prospective cohort follow-up study. *Scientific Reports*, **2020**, 10, 7109	4.9	12
196	Prevalence of Coronary Artery Calcium in Patients With Atrial Fibrillation With and Without Cardiovascular Risk Factors. *American Journal of Cardiology*, **2020**, 125, 1765-1769	3	3
195	Advanced Coronary Artery Vessel Wall Imaging and Future Directions **2020**, 245-266		
194	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype: A Prospective Case-Control Study. *JACC: Cardiovascular Imaging*, **2020**, 13, 2371-2383	8.4	32

193	Application and Translation of Artificial Intelligence to Cardiovascular Imaging in Nuclear Medicine and Noncontrast CT. *Seminars in Nuclear Medicine*, **2020**, 50, 357-366	5.4	14
192	Whole-vessel coronary F-sodium fluoride PET for assessment of the global coronary microcalcification burden. *European Journal of Nuclear Medicine and Molecular Imaging*, **2020**, 47, 1736-1745	8.8	18
191	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	9.9	31
190	Epicardial Adipose Tissue: An Independent Predictor of Post-Operative Adverse Cardiovascular Events (CTA VISION Substudy). *JACC: Cardiovascular Imaging*, **2020**, 13, 882-884	8.4	0
189	Coronary computed tomography-angiography quantitative plaque analysis improves detection of early cardiac allograft vasculopathy: A pilot study. *American Journal of Transplantation*, **2020**, 20, 1375-1383	8.7	6
188	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	14.6	7
187	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	2.8	3
186	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	2.5	0
185	Quantitative Burden of COVID-19 Pneumonia on Chest CT Predicts Adverse Outcomes: A Post-Hoc Analysis of a Prospective International Registry. *Radiology: Cardiothoracic Imaging*, **2020**, 2, e200389	8.3	13
184	Response by Williams et al to Letter Regarding Article, "Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART)". *Circulation*, **2020**, 142, e244-e245	16.7	5
183	Coronary flow impairment in asymptomatic patients with early stage type-2 diabetes: Detection by FFR. *Diabetes and Vascular Disease Research*, **2020**, 17, 1479164120958422	3.3	1
182	Automated quantitative analysis of CZT SPECT stratifies cardiovascular risk in the obese population: Analysis of the REFINE SPECT registry. *Journal of Nuclear Cardiology*, **2020**, 1	2.1	0
181	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	2.8	4
180	Prognostic Value of Computed Tomography-Derived Extracellular Volume in TAVR Patients With Low-Flow Low-Gradient Aortic Stenosis. *JACC: Cardiovascular Imaging*, **2020**, 13, 2591-2601	8.4	5
179	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. *Journal of Nuclear Cardiology*, **2020**, 27, 962-972	2.1	17
178	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	2.1	11
177	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	2.8	2
176	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	4.1	25

175	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	2.1	12
174	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. *Journal of Nuclear Cardiology*, **2020**, 27, 494-504	2.1	26
173	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	2.1	38
172	5-Year Prognostic Value of Quantitative Versus Visual MPI in Subtle Perfusion Defects: Results From REFINE SPECT. *JACC: Cardiovascular Imaging*, **2020**, 13, 774-785	8.4	29
171	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	4.1	35
170	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	4.1	12
169	Utility of novel serum biomarkers to predict subclinical atherosclerosis: A sub-analysis of the EISNER study. *Atherosclerosis*, **2019**, 282, 80-84	3.1	4
168	Intracranial Vessel Wall Segmentation Using Convolutional Neural Networks. *IEEE Transactions on Biomedical Engineering*, **2019**, 66, 2840-2847	5	17
167	Accurate needle-free assessment of myocardial oxygenation for ischemic heart disease in canines using magnetic resonance imaging. *Science Translational Medicine*, **2019**, 11,	17.5	7
166	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	8	15
165	Artificial Intelligence in Cardiovascular Imaging: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2019**, 73, 1317-1335	15.1	186
164	Spotty Calcium on Cervicocerebral Computed Tomography Angiography Associates With Increased Risk of Ischemic Stroke. *Stroke*, **2019**, 50, 859-866	6.7	12
163	Decrease in LDL-C is associated with decrease in all components of noncalcified plaque on coronary CTA. *Atherosclerosis*, **2019**, 285, 128-134	3.1	4
162	Carotid plaque composition by CT angiography in asymptomatic subjects: a head-to-head comparison to ultrasound. *European Radiology*, **2019**, 29, 5920-5931	8	6
161	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	3.3	7
160	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary F-NaF PET. *European Journal of Nuclear Medicine and Molecular Imaging*, **2019**, 46, 2610-2620	8.8	24
159	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	3	8
158	Deep learning-based stenosis quantification from coronary CT Angiography. *Proceedings of SPIE*, **2019**, 10949,	1.7	16

157	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	2.8	11
156	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	4.1	57
155	Peri-Coronary Adipose Tissue Density Is Associated With F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. *JACC: Cardiovascular Imaging*, **2019**, 12, 2000-2010	8.4	63
154	Perivascular Adipose Tissue and Coronary Atherosclerosis: from Biology to Imaging Phenotyping. *Current Atherosclerosis Reports*, **2019**, 21, 47	6	27
153	Improved Evaluation of Lipid-Rich Plaque at Coronary CT Angiography: Head-to-Head Comparison with Intravascular US. *Radiology: Cardiothoracic Imaging*, **2019**, 1, e190069	8.3	5
152	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. *Radiology: Artificial Intelligence*, **2019**, 1, e190045	8.7	41
151	Three-Hour Delayed Imaging Improves Assessment of Coronary F-Sodium Fluoride PET. *Journal of Nuclear Medicine*, **2019**, 60, 530-535	8.9	27
150	Age- and gender-adjusted percentiles for number of calcified plaques in coronary artery calcium scanning. *Journal of Cardiovascular Computed Tomography*, **2019**, 13, 319-324	2.8	1
149	Data-Driven Gross Patient Motion Detection and Compensation: Implications for Coronary F-NaF PET Imaging. *Journal of Nuclear Medicine*, **2019**, 60, 830-836	8.9	23
148	Sex difference in fibrin clot lysability: Association with coronary plaque composition. *Thrombosis Research*, **2019**, 174, 129-136	8.2	9
147	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	8.9	58
146	Poor Correlation, Reproducibility, and Agreement Between Volumetric Versus Linear Epicardial Adipose Tissue Measurement: A 3D Computed Tomography Versus 2D Echocardiography Comparison. *JACC: Cardiovascular Imaging*, **2018**, 11, 1035-1036	8.4	15
145	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	2.8	21
144	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. *JACC: Cardiovascular Imaging*, **2018**, 11, 521-530	8.4	55
143	Deep Learning for Quantification of Epicardial and Thoracic Adipose Tissue From Non-Contrast CT. *IEEE Transactions on Medical Imaging*, **2018**, 37, 1835-1846	11.7	85
142	Integrated prediction of lesion-specific ischaemia from quantitative coronary CT angiography using machine learning: a multicentre study. *European Radiology*, **2018**, 28, 2655-2664	8	85
141	Deep Learning for Prediction of Obstructive Disease From Fast Myocardial Perfusion SPECT: A Multicenter Study. *JACC: Cardiovascular Imaging*, **2018**, 11, 1654-1663	8.4	147
140	Automatic determination of cardiovascular risk by CT attenuation correction maps in Rb-82 PET/CT. *Journal of Nuclear Cardiology*, **2018**, 25, 2133-2142	2.1	21

139	Prognostic Value of Combined Clinical and Myocardial Perfusion Imaging Data Using Machine Learning. *JACC: Cardiovascular Imaging*, **2018**, 11, 1000-1009	8.4	99
138	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, 858-863	16.2	98
137	CT-based total vessel plaque analyses improves prediction of hemodynamic significance lesions as assessed by fractional flow reserve in patients with stable angina pectoris. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 344-349	2.8	13
136	Improvement in LDL is associated with decrease in non-calcified plaque volume on coronary CTA as measured by automated quantitative software. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 385-390	2.8	18
135	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	2.8	84
134	Feasibility of Coronary F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. *Circulation: Cardiovascular Imaging*, **2018**, 11, e008325	3.9	24
133	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	2.8	23
132	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	2.8	9
131	Cardiac CT: Technological Advances in Hardware, Software, and Machine Learning Applications. *Current Cardiovascular Imaging Reports*, **2018**, 11, 1	0.7	9
130	Coronary atherosclerotic plaque burden and composition by CT angiography in Caucasian and South Asian patients with stable chest pain. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 556-567	4.1	5
129	Coronary Plaque Burden and Adverse Plaque Characteristics Are Increased in Healthy Relatives of Patients With Early Onset Coronary Artery Disease. *JACC: Cardiovascular Imaging*, **2017**, 10, 1128-1135	8.4	9
128	Cardiac imaging: working towards fully-automated machine analysis & interpretation. *Expert Review of Medical Devices*, **2017**, 14, 197-212	3.5	63
127	Molecular Imaging of Vulnerable Coronary Plaque: A Pathophysiologic Perspective. *Journal of Nuclear Medicine*, **2017**, 58, 359-364	8.9	13
126	Increased high-risk coronary plaque burden is associated with arterial stiffness in patients with type 2 diabetes without clinical signs of coronary artery disease: a computed tomography angiography study. *Journal of Hypertension*, **2017**, 35, 1235-1243	1.9	12
125	Motion-Corrected Imaging of the Aortic Valve with F-NaF PET/CT and PET/MRI: A Feasibility Study. *Journal of Nuclear Medicine*, **2017**, 58, 1811-1814	8.9	17
124	Arterial CO as a Potent Coronary Vasodilator: A Preclinical PET/MR Validation Study with Implications for Cardiac Stress Testing. *Journal of Nuclear Medicine*, **2017**, 58, 953-960	8.9	10
123	HORMONE REPLACEMENT THERAPY IS ASSOCIATED WITH LESS CORONARY ATHEROSCLEROSIS AND LOWER MORTALITY. *Journal of the American College of Cardiology*, **2017**, 69, 1408	15.1	2
122	Quantitative plaque features from coronary computed tomography angiography to identify regional ischemia by myocardial perfusion imaging. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 499-507	4.1	25

121	MR/PET Imaging of the Cardiovascular System. *JACC: Cardiovascular Imaging*, **2017**, 10, 1165-1179	8.4	47
120	Comparison of the Coronary Artery Calcium Score and Number of Calcified Coronary Plaques for Predicting Patient Mortality Risk. *American Journal of Cardiology*, **2017**, 120, 2154-2159	3	17
119	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. *European Heart Journal*, **2017**, 38, 500-507	9.5	275
118	High burden of coronary atherosclerosis in patients with a new diagnosis of type 2 diabetes. *Diabetes and Vascular Disease Research*, **2017**, 14, 468-476	3.3	6
117	Quantitative global plaque characteristics from coronary computed tomography angiography for the prediction of future cardiac mortality during long-term follow-up. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 1331-1339	4.1	64
116	Effect of the ratio of coronary arterial lumen volume to left ventricle myocardial mass derived from coronary CT angiography on fractional flow reserve. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 429-436	2.8	41
115	Automatic Valve Plane Localization in Myocardial Perfusion SPECT/CT by Machine Learning: Anatomic and Clinical Validation. *Journal of Nuclear Medicine*, **2017**, 58, 961-967	8.9	37
114	Automated Quantitative Plaque Analysis for Discrimination of Coronary Chronic Total Occlusion and Subtotal Occlusion in Computed Tomography Angiography. *Journal of Thoracic Imaging*, **2016**, 31, 367-372	5.6	4
113	Dyspnea predicts mortality among patients undergoing coronary computed tomographic angiography. *International Journal of Cardiovascular Imaging*, **2016**, 32, 329-337	2.5	3
112	Automatic detection of cardiovascular risk in CT attenuation correction maps in Rb-82 PET/CTs **2016**,		2
111	Quantification of epicardial and intrathoracic fat volume does not provide an added prognostic value as an adjunct to coronary artery calcium score and myocardial perfusion single-photon emission computed tomography. *European Heart Journal Cardiovascular Imaging*, **2016**, 17, 885-91	4.1	8
110	Automated pericardial fat quantification from coronary magnetic resonance angiography: feasibility study. *Journal of Medical Imaging*, **2016**, 3, 014002	2.6	5
109	Motion Correction of 18F-NaF PET for Imaging Coronary Atherosclerotic Plaques. *Journal of Nuclear Medicine*, **2016**, 57, 54-9	8.9	60
108	White Matter Lesions, Carotid and Coronary Atherosclerosis in Late-Onset Depression and Healthy Controls. *Psychosomatics*, **2016**, 57, 369-77	2.6	10
107	Imaging of coronary atherosclerosis - evolution towards new treatment strategies. *Nature Reviews Cardiology*, **2016**, 13, 533-48	14.8	32
106	Epicardial adipose tissue volume but not density is an independent predictor for myocardial ischemia. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 141-9	2.8	35
105	Reproducibility of semi-automatic coronary plaque quantification in coronary CT angiography with sub-mSv radiation dose. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 114-20	2.8	24
104	Demons versus Level-Set motion registration for coronary F-sodium fluoride PET. *Proceedings of SPIE*, **2016**, 9784,	1.7	11

103	Value Based Imaging for Coronary Artery Disease: Implications for Nuclear Cardiology and Cardiac CT **2016**, 349-380		
102	Coronary plaque quantification and fractional flow reserve by coronary computed tomography angiography identify ischaemia-causing lesions. *European Heart Journal*, **2016**, 37, 1220-7	9.5	184
101	Reply to: Reproducibility of semi-automatic coronary plaque quantification in coronary CT angiography with sub-mSv radiation dose; common mistakes. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, e23	2.8	
100	Prediction of revascularization after myocardial perfusion SPECT by machine learning in a large population. *Journal of Nuclear Cardiology*, **2015**, 22, 877-84	2.1	72
99	Structured learning algorithm for detection of nonobstructive and obstructive coronary plaque lesions from computed tomography angiography. *Journal of Medical Imaging*, **2015**, 2, 014003	2.6	44
98	Coronary calcium scoring from contrast coronary CT angiography using a semiautomated standardized method. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 446-53	2.8	18
97	Automated Quantitative Plaque Burden from Coronary CT Angiography Noninvasively Predicts Hemodynamic Significance by using Fractional Flow Reserve in Intermediate Coronary Lesions. *Radiology*, **2015**, 276, 408-15	20.5	52
96	Automatic registration of misaligned CT attenuation correction maps in Rb-82 PET/CT improves detection of angiographically significant coronary artery disease. *Journal of Nuclear Cardiology*, **2015**, 22, 1285-95	2.1	25
95	Whole-heart, free-breathing, three-dimensional myocardial BOLD MRI at 3T with simultaneous 13N-ammonia PET in canines. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17,	6.9	78
94	Relationship Between Quantitative Adverse Plaque Features From Coronary Computed Tomography Angiography and Downstream Impaired Myocardial Flow Reserve by 13N-Ammonia Positron Emission Tomography: A Pilot Study. *Circulation: Cardiovascular Imaging*, **2015**, 8, e003255	3.9	37
93	Automated coronary artery calcium scoring from non-contrast CT using a patient-specific algorithm **2015**,		4
92	Combined Quantitative Assessment of Myocardial Perfusion and Coronary Artery Calcium Score by Hybrid 82Rb PET/CT Improves Detection of Coronary Artery Disease. *Journal of Nuclear Medicine*, **2015**, 56, 1345-50	8.9	27
91	Relationship of epicardial fat volume from noncontrast CT with impaired myocardial flow reserve by positron emission tomography. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 303-9	2.8	18
90	Extensive thoracic aortic calcification is an independent predictor of development of coronary artery calcium among individuals with coronary artery calcium score of zero. *Atherosclerosis*, **2015**, 238, 4-8	3.1	12
89	Pitfalls of Noninvasive Discrimination Between Coronary Chronic Total Occlusion and Subtotal Occlusion by Coronary Computed Tomography Angiography. *JACC: Cardiovascular Interventions*, **2015**, 8, 1909-10	5	1
88	Automated pericardium delineation and epicardial fat volume quantification from noncontrast CT. *Medical Physics*, **2015**, 42, 5015-26	4.4	23
87	Noncalcified Plaque in Cardiac CT: Quantification and Clinical Implications. *Current Cardiovascular Imaging Reports*, **2015**, 8, 1	0.7	1
86	Increased pericardial fat accumulation is associated with increased intramyocardial lipid content and duration of highly active antiretroviral therapy exposure in patients infected with human immunodeficiency virus: a 3T cardiovascular magnetic resonance feasibility study. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 91	6.9	20

85	Coronary artery calcification, epicardial fat burden, and cardiovascular events in chronic obstructive pulmonary disease. *PLoS ONE*, **2015**, 10, e0126613	3.7	19
84	Non-invasive prediction of hemodynamically significant coronary artery stenoses by contrast density difference in coronary CT angiography. *European Journal of Radiology*, **2015**, 84, 1502-1508	4.7	28
83	Dual-Gated Motion-Frozen Cardiac PET with Flurpiridaz F 18. *Journal of Nuclear Medicine*, **2015**, 56, 1876-81	6	35
82	Gender differences in the prevalence, severity, and composition of coronary artery disease in the young: a study of 1635 individuals undergoing coronary CT angiography from the prospective, multinational confirm registry. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 490-9	4.1	21
81	Optimizing image contrast display improves quantitative stenosis measurement in heavily calcified coronary arterial segments on coronary CT angiography: A proof-of-concept and comparison to quantitative invasive coronary angiography. *Academic Radiology*, **2014**, 21, 797-804	4.3	8
80	Interscan reproducibility of quantitative coronary plaque volume and composition from CT coronary angiography using an automated method. *European Radiology*, **2014**, 24, 2300-8	8	41
79	Achieving very-low-dose radiation exposure in cardiac computed tomography, single-photon emission computed tomography, and positron emission tomography. *Circulation: Cardiovascular Imaging*, **2014**, 7, 723-34	3.9	14
78	Increased intrathoracic and hepatic visceral adipose tissue independently correlates with coronary artery calcification in asymptomatic patients. *Journal of Nuclear Cardiology*, **2014**, 21, 880-9	2.1	6
77	Comparison of quantitative atherosclerotic plaque burden from coronary CT angiography in patients with first acute coronary syndrome and stable coronary artery disease. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 368-74	2.8	52
76	Noncalcified coronary plaque volumes in healthy people with a family history of early onset coronary artery disease. *Circulation: Cardiovascular Imaging*, **2014**, 7, 446-53	3.9	29
75	Automated epicardial fat volume quantification from non-contrast CT **2014**,		7
74	Coronary plaque volume and composition assessed by computed tomography angiography in patients with late-onset major depression. *Psychosomatics*, **2014**, 55, 243-51	2.6	4
73	Improved accuracy of myocardial perfusion SPECT for detection of coronary artery disease by machine learning in a large population. *Journal of Nuclear Cardiology*, **2013**, 20, 553-62	2.1	82
72	Non-invasive measurement of coronary plaque from coronary CT angiography and its clinical implications. *Expert Review of Cardiovascular Therapy*, **2013**, 11, 1067-77	2.5	10
71	Quantification and characterisation of coronary artery plaque volume and adverse plaque features by coronary computed tomographic angiography: a direct comparison to intravascular ultrasound. *European Radiology*, **2013**, 23, 2109-17	8	54
70	Segmentation of the thoracic aorta in noncontrast cardiac CT images. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 936-49	7.2	16
69	Mortality risk as a function of the ratio of pulmonary trunk to ascending aorta diameter in patients with suspected coronary artery disease. *American Journal of Cardiology*, **2013**, 111, 1259-63	3	14
68	Impact of family history of coronary artery disease in young individuals (from the CONFIRM registry). *American Journal of Cardiology*, **2013**, 111, 1081-6	3	45

67	Relationship of epicardial fat volume to coronary plaque, severe coronary stenosis, and high-risk coronary plaque features assessed by coronary CT angiography. *Journal of Cardiovascular Computed Tomography*, **2013**, 7, 125-32	2.8	45
66	Automated knowledge-based detection of nonobstructive and obstructive arterial lesions from coronary CT angiography. *Medical Physics*, **2013**, 40, 041912	4.4	15
65	Image denoising of low-radiation dose coronary CT angiography by an adaptive block-matching 3D algorithm **2013**,		37
64	Effects of endogenous androgens and abdominal fat distribution on the interrelationship between insulin and non-insulin-mediated glucose uptake in females. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 1541-8	5.6	23
63	Improved accuracy of myocardial perfusion SPECT for the detection of coronary artery disease using a support vector machine algorithm. *Journal of Nuclear Medicine*, **2013**, 54, 549-55	8.9	48
62	Increased volume of epicardial fat is an independent risk factor for accelerated progression of sub-clinical coronary atherosclerosis. *Atherosclerosis*, **2012**, 220, 223-30	3.1	171
61	Weight change modulates epicardial fat burden: a 4-year serial study with non-contrast computed tomography. *Atherosclerosis*, **2012**, 220, 139-44	3.1	62
60	Epicardial fat volume and concurrent presence of both myocardial ischemia and obstructive coronary artery disease. *Atherosclerosis*, **2012**, 221, 422-6	3.1	51
59	State-of-the-art in CT hardware and scan modes for cardiovascular CT. *Journal of Cardiovascular Computed Tomography*, **2012**, 6, 154-63	2.8	53
58	Low radiation coronary calcium scoring by dual-source CT with tube current optimization based on patient body size. *Journal of Cardiovascular Computed Tomography*, **2012**, 6, 113-20	2.8	30
57	Association of epicardial fat, hypertension, subclinical coronary artery disease, and metabolic syndrome with left ventricular diastolic dysfunction. *American Journal of Cardiology*, **2012**, 110, 1793-8	3	55
56	Current and Future Post-Processing and Reconstruction Methods for Improved Image Quality in Coronary Computed Tomographic Angiography. *Current Cardiovascular Imaging Reports*, **2012**, 5, 360-366	0.7	
55	CT Quantification of Epicardial Fat: Implications for Cardiovascular Risk Assessment. *Current Cardiovascular Imaging Reports*, **2012**, 5, 352-359	0.7	3
54	Advances in nuclear cardiac instrumentation with a view towards reduced radiation exposure. *Current Cardiology Reports*, **2012**, 14, 208-16	4.2	53
53	Automated quantitative Rb-82 3D PET/CT myocardial perfusion imaging: normal limits and correlation with invasive coronary angiography. *Journal of Nuclear Cardiology*, **2012**, 19, 265-76	2.1	48
52	Automatic alignment of myocardial perfusion PET and 64-slice coronary CT angiography on hybrid PET/CT. *Journal of Nuclear Cardiology*, **2012**, 19, 482-91	2.1	15
51	Prognostic value of cardiovascular CT: is coronary artery calcium screening enough? The added value of CCTA. *Journal of Nuclear Cardiology*, **2012**, 19, 601-8	2.1	9
50	What have we learned from CONFIRM? Prognostic implications from a prospective multicenter international observational cohort study of consecutive patients undergoing coronary computed tomographic angiography. *Journal of Nuclear Cardiology*, **2012**, 19, 787-95	2.1	23

49	Relation of diagonal ear lobe crease to the presence, extent, and severity of coronary artery disease determined by coronary computed tomography angiography. *American Journal of Cardiology*, **2012**, 109, 1283-7	3	54
48	Coronary arterial 18F-FDG uptake by fusion of PET and coronary CT angiography at sites of percutaneous stenting for acute myocardial infarction and stable coronary artery disease. *Journal of Nuclear Medicine*, **2012**, 53, 575-83	8.9	66
47	Automatic detection of significant and subtle arterial lesions from coronary CT angiography **2012**,		3
46	Feasibility of determining myocardial transient ischemic dilation from cardiac CT by automated stress/rest registration **2012**,		1
45	Epicardial and thoracic fat - Noninvasive measurement and clinical implications. *Cardiovascular Diagnosis and Therapy*, **2012**, 2, 85-93	2.6	51
44	Guideline for minimizing radiation exposure during acquisition of coronary artery calcium scans with the use of multidetector computed tomography: a report by the Society for Atherosclerosis Imaging and Prevention Tomographic Imaging and Prevention Councils in collaboration with the	2.8	81
43	Assessment of left ventricular regional wall motion and ejection fraction with low-radiation dose helical dual-source CT: comparison to two-dimensional echocardiography. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 149-57	2.8	17
42	Interscan reproducibility of computer-aided epicardial and thoracic fat measurement from noncontrast cardiac CT. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 172-9	2.8	44
41	The relationship between epicardial fat volume and incident coronary artery calcium. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 310-6	2.8	20
40	Increase in epicardial fat volume is associated with greater coronary artery calcification progression in subjects at intermediate risk by coronary calcium score: a serial study using non-contrast cardiac CT. *Atherosclerosis*, **2011**, 218, 363-8	3.1	81
39	Vulnerable plaque features on coronary CT angiography as markers of inducible regional myocardial hypoperfusion from severe coronary artery stenoses. *Atherosclerosis*, **2011**, 219, 588-95	3.1	65
38	Automatic 3D registration of dynamic stress and rest (82)Rb and flurpiridaz F 18 myocardial perfusion PET data for patient motion detection and correction. *Medical Physics*, **2011**, 38, 6313-26	4.4	27
37	Threshold for the upper normal limit of indexed epicardial fat volume: derivation in a healthy population and validation in an outcome-based study. *American Journal of Cardiology*, **2011**, 108, 1680-5	3	48
36	Motion frozen (18)F-FDG cardiac PET. *Journal of Nuclear Cardiology*, **2011**, 18, 259-66	2.1	34
35	Cascaded regression for CT slice localization **2011**,		1
34	Comprehensive Non-contrast CT Imaging of the Vulnerable Patient **2011**, 375-391		1
33	Automated algorithm for atlas-based segmentation of the heart and pericardium from non-contrast CT. *Proceedings of SPIE*, **2010**, 7623, 762337	1.7	13
32	Automatic segmentation of the diaphragm in non-contrast CT images **2010**,		8

31	Knowledge-based quantification of pericardial fat in non-contrast CT data **2010**,		8
30	Automated three-dimensional quantification of noncalcified coronary plaque from coronary CT angiography: comparison with intravascular US. *Radiology*, **2010**, 257, 516-22	20.5	138
29	Pericardial fat burden on ECG-gated noncontrast CT in asymptomatic patients who subsequently experience adverse cardiovascular events. *JACC: Cardiovascular Imaging*, **2010**, 3, 352-60	8.4	176
28	Comparison of the extent and severity of myocardial perfusion defects measured by CT coronary angiography and SPECT myocardial perfusion imaging. *JACC: Cardiovascular Imaging*, **2010**, 3, 1010-9	8.4	61
27	Increased pericardial fat volume measured from noncontrast CT predicts myocardial ischemia by SPECT. *JACC: Cardiovascular Imaging*, **2010**, 3, 1104-12	8.4	116
26	Computer-aided non-contrast CT-based quantification of pericardial and thoracic fat and their associations with coronary calcium and Metabolic Syndrome. *Atherosclerosis*, **2010**, 209, 136-41	3.1	113
25	Nonlinear registration of serial coronary CT angiography (CCTA) for assessment of changes in atherosclerotic plaque. *Medical Physics*, **2010**, 37, 885-96	4.4	2
24	Enhanced definition PET for cardiac imaging. *Journal of Nuclear Cardiology*, **2010**, 17, 414-26	2.1	38
23	Assessment of the relationship between stenosis severity and distribution of coronary artery stenoses on multislice computed tomographic angiography and myocardial ischemia detected by single photon emission computed tomography. *Journal of Nuclear Cardiology*, **2010**, 17, 791-802	2.1	31
22	Low-density lipoprotein and noncalcified coronary plaque composition in patients with newly diagnosed coronary artery disease on computed tomographic angiography. *American Journal of Cardiology*, **2010**, 105, 761-6	3	19
21	Geometric feature-based multimodal image registration of contrast-enhanced cardiac CT with gated myocardial perfusion SPECT. *Medical Physics*, **2009**, 36, 5467-79	4.4	18
20	AUTOMATED MULTI-MODALITY REGISTRATION OF 64-SLICE CORONARY CT ANGIOGRAPHY WITH MYOCARDIAL PERFUSION SPECT **2009**, 358-361	1.5	2
19	Quantitative analysis of myocardial perfusion SPECT anatomically guided by coregistered 64-slice coronary CT angiography. *Journal of Nuclear Medicine*, **2009**, 50, 1621-30	8.9	66
18	Reproducibility of coronary artery plaque volume and composition quantification by 64-detector row coronary computed tomographic angiography: an intraobserver, interobserver, and interscan variability study. *Journal of Cardiovascular Computed Tomography*, **2009**, 3, 312-20	2.8	44
17	Automated 3-dimensional quantification of noncalcified and calcified coronary plaque from coronary CT angiography. *Journal of Cardiovascular Computed Tomography*, **2009**, 3, 372-82	2.8	83
16	Coronary artery calcium scoring using a reduced tube voltage and radiation dose protocol with dual-source computed tomography. *Journal of Cardiovascular Computed Tomography*, **2009**, 3, 394-400	2.8	76
15	Moving beyond binary grading of coronary arterial stenoses on coronary computed tomographic angiography: insights for the imager and referring clinician. *JACC: Cardiovascular Imaging*, **2008**, 1, 460-71	8.4	70
14	Predicting success of prospective and retrospective gating with dual-source coronary computed tomography angiography: development of selection criteria and initial experience. *Journal of Cardiovascular Computed Tomography*, **2008**, 2, 81-90	2.8	46

13	Image quality and artifacts in coronary CT angiography with dual-source CT: initial clinical experience. *Journal of Cardiovascular Computed Tomography*, **2008**, 2, 105-14	2.8	30
12	Dual-source coronary computed tomography angiography in patients with atrial fibrillation: initial experience. *Journal of Cardiovascular Computed Tomography*, **2008**, 2, 172-80	2.8	17
11	Algorithm for radiation dose reduction with helical dual source coronary computed tomography angiography in clinical practice. *Journal of Cardiovascular Computed Tomography*, **2008**, 2, 311-22	2.8	52
10	Automated quantitation of pericardiac fat from noncontrast CT. *Investigative Radiology*, **2008**, 43, 145-53	10.1	72
9	Direct quantitative in vivo comparison of calcified atherosclerotic plaque on vascular MRI and CT by multimodality image registration. *Journal of Magnetic Resonance Imaging*, **2006**, 23, 345-54	5.6	14
8	Computer-aided detection and evaluation of lipid-rich plaque on noncontrast cardiac CT. *American Journal of Roentgenology*, **2006**, 186, S407-13	5.4	19
7	Efficient 3D nonlinear warping of computed tomography: two high-performance implementations using OpenGL **2005**, 5744, 34		3
6	Automated image registration of gated cardiac single-photon emission computed tomography and magnetic resonance imaging. *Journal of Magnetic Resonance Imaging*, **2004**, 19, 283-90	5.6	30
5	Acceleration of 3D, nonlinear warping using standard video graphics hardware: implementation and initial validation. *Computerized Medical Imaging and Graphics*, **2004**, 28, 471-83	7.6	10
4	Four-dimensional multimodality image registration applied to gated SPECT and gated MRI **2003**,		1
3	Automated 3-dimensional registration of stand-alone (18)F-FDG whole-body PET with CT. *Journal of Nuclear Medicine*, **2003**, 44, 1156-67	8.9	58
2	Automatic fusion of freehand endoscopic brain images to three-dimensional surfaces: creating stereoscopic panoramas. *IEEE Transactions on Medical Imaging*, **2002**, 21, 23-30	11.7	63
1	Automated three-dimensional quantification of myocardial perfusion and brain SPECT. *Computerized Medical Imaging and Graphics*, **2001**, 25, 153-64	7.6	27