

Koen Nieman

List of Publications by Year in descending order

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151
papers

11,225
citations

66343

42
h-index

30087

103
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all docs

158
docs citations

158
times ranked

9170
citing authors

#	ARTICLE	IF	CITATIONS
1	CT-derived fractional flow reserve (FFR _{ct}) for functional coronary artery evaluation in the follow-up of patients after heart transplantation. <i>European Radiology</i> , 2022, 32, 1843-1852.	4.5	5
2	Trans-lesional fractional flow reserve gradient as derived from coronary CT improves patient management: ADVANCE registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 19-26.	1.3	20
3	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 75-87.	5.3	37
4	Prognostic value of coronary computed tomography angiographic derived fractional flow reserve: a systematic review and meta-analysis. <i>Heart</i> , 2022, 108, 194-202.	2.9	45
5	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€”part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e136-e161.	1.2	21
6	Low-dose coronary calcium scoring CT using a dedicated reconstruction filter for kV-independent calcium measurements. <i>European Radiology</i> , 2022, 32, 4225-4233.	4.5	2
7	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€”part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 299-314.	1.2	27
8	Coronary volume to left ventricular mass ratio in patients with diabetes mellitus. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 319-326.	1.3	3
9	Best Practices for Imaging Cardiac Deviceâ€”Related Infections and Endocarditis. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 891-911.	5.3	33
10	Incremental value of volumetric quantification for myocardial perfusion imaging by computed tomography. <i>Kardiologia Polska</i> , 2022, 80, 163-171.	0.6	0
11	Lipid-rich Plaques Detected by Near-infrared Spectroscopy Are More Frequently Exposed to High Shear Stress. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 416-425.	2.4	10
12	Temporal changes in FFRCT-Guided Management of Coronary Artery Disease â€” Lessons from the ADVANCE Registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 48-55.	1.3	5
13	The clinical utility of FFRCT stratified by age. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 121-128.	1.3	6
14	Characteristics of culprit lesion in patients with non-ST-elevation myocardial infarction and improvement of diagnostic utility using dual energy cardiac CT. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1781-1788.	1.5	4
15	Relationship of Stress Test Findings to Anatomic or Functional Extent of Coronary Artery Disease Assessed by Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve. <i>BioMed Research International</i> , 2021, 2021, 1-9.	1.9	0
16	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. <i>European Radiology Experimental</i> , 2021, 5, 12.	3.4	13
17	Diagnostic Cardiovascular Magnetic Resonance Imaging Criteria in Noncompaction Cardiomyopathy and the Yield of Genetic Testing. <i>Canadian Journal of Cardiology</i> , 2021, 37, 433-442.	1.7	11
18	SCCT: A growing community. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 91-92.	1.3	0

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19	Accreditation in cardiovascular CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 191.	1.3	0
20	Influence of coronary stenosis location on diagnostic performance of machine learning-based fractional flow reserve from CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 492-498.	1.3	5
21	Undetectable High-sensitivity Troponin T as a Gatekeeper for Coronary CT Angiography in Patients Suspected of Acute Coronary Syndrome.. <i>Cardiology</i> , 2021, 146, 713-719.	1.4	0
22	Coronary Computed Tomographic Angiography for Complete Assessment of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2021, 78, 713-736.	2.8	66
23	Clinical implementation of coronary computed tomography angiography for routine detection of cardiac allograft vasculopathy in heart transplant patients. <i>Transplant International</i> , 2021, 34, 1886-1894.	1.6	9
24	Association Among Local Hemodynamic Parameters Derived From CT Angiography and Their Comparable Implications in Development of Acute Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 713835.	2.4	9
25	Impact of Diastolic Vessel Restriction on Quality of Life in Symptomatic Myocardial Bridging Patients Treated With Surgical Unroofing: Preoperative Assessments With Intravascular Ultrasound and Coronary Computed Tomography Angiography. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e011062.	3.9	7
26	Dual-energy CT plaque characteristics of post mortem thin-cap fibroatheroma in comparison to infarct-related culprit lesions. <i>Heart and Vessels</i> , 2021, , 1.	1.2	1
27	Deep learning evaluation of biomarkers from echocardiogram videos. <i>EBioMedicine</i> , 2021, 73, 103613.	6.1	25
28	1-Year Impact on Medical Practice and Clinical Outcomes of FFRCT. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 97-105.	5.3	204
29	Cardiac CT After Coronary Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 743-745.	5.3	3
30	The feasibility, findings and future of CT-FFR in the emergency ward. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 287-288.	1.3	3
31	Dynamic CT myocardial perfusion imaging. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 303-306.	1.3	44
32	Influence of Coronary Calcium on Diagnostic Performance of Machine Learning CT-FFR. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 760-770.	5.3	73
33	HEART score improves efficiency of coronary computed tomography angiography in patients suspected of acute coronary syndrome in the emergency department. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 23-29.	1.0	6
34	The global social media response to the 14th annual Society of Cardiovascular Computed Tomography scientific sessions. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 124-130.	1.3	13
35	Society of cardiovascular computed tomography expert consensus document on myocardial computed tomography perfusion imaging. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 87-100.	1.3	49
36	Cardiovascular CT in a world adrift. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 381.	1.3	0

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37	Cardiac Imaging in the Post-ISCHEMIA Trial Era. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1815-1833.	5.3	21
38	Stress myocardial perfusion with qualitative magnetic resonance and quantitative dynamic computed tomography: comparison of diagnostic performance and incremental value over coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, , .	1.2	9
39	Current Evidence and Recommendations for Coronary CTA First in Evaluation of Stable Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1358-1362.	2.8	32
40	Pace of guidance publishing accelerates in cardiovascular CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 465.	1.3	0
41	Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1615-1626.	5.3	56
42	Opportunities and challenges of implementing computed tomography fractional flow reserve into clinical practice. <i>Heart</i> , 2020, 106, 1387-1393.	2.9	12
43	Anatomic or functional testing in stable patients with suspected CAD: contemporary role of cardiac CT in the ISCHEMIA trial era. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1351-1362.	1.5	2
44	Society of Cardiovascular Computed Tomography guidance for use of cardiac computed tomography amidst the COVID-19 pandemic Endorsed by the American College of Cardiology. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 101-104.	1.3	92
45	Impact of machine-learning CT-derived fractional flow reserve for the diagnosis and management of coronary artery disease in the randomized CRESCENT trials. <i>European Radiology</i> , 2020, 30, 3692-3701.	4.5	15
46	Computed Tomographic Angiographyâ€Based Fractional Flow Reserve Compared With Catheter-Based Dobutamine-Stress Diastolic Fractional Flow Reserve in Symptomatic Patients With a Myocardial Bridge and No Obstructive Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009576.	2.6	3
47	Multimodality Imaging for Risk Assessment of Inherited Cardiomyopathies. <i>Current Cardiovascular Risk Reports</i> , 2020, 14, 1.	2.0	0
48	Prognostic Value of Subclinical Coronary Artery Disease in Atrial Fibrillation Patients Identified by Coronary Computed Tomography Angiography. <i>American Journal of Cardiology</i> , 2020, 126, 16-22.	1.6	12
49	CT angiography for depiction of complications after the Bentall procedure. <i>British Journal of Radiology</i> , 2019, 92, 20180226.	2.2	6
50	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. <i>European Heart Journal</i> , 2019, 40, 1975-1986.	2.2	327
51	Intermodality variation of aortic dimensions: How, where and when to measure the ascending aorta. <i>International Journal of Cardiology</i> , 2019, 276, 230-235.	1.7	31
52	Functional Interpretation of CoronaryÂStenoses by Cardiac CT andÂthe Many Ways to SkinÂThat Cat. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1599-1600.	5.3	0
53	Cardiac CT for Coronary Imaging. , 2019, , 327-344.		0
54	Determinants of Rejection Rate for Coronary CT Angiography Fractional Flow Reserve Analysis. <i>Radiology</i> , 2019, 292, 597-605.	7.3	37

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55	Controversies in Diagnostic Imaging of Patients With Suspected Stable and Acute Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1254-1278.	5.3	6
56	A novel therapy for an unusual problem: IL-1 receptor antagonist for recurrent post-transplant pericarditis. <i>Clinical Transplantation</i> , 2019, 33, e13699.	1.6	3
57	Gender differences in the diagnostic performance of machine learning coronary CT angiography-derived fractional flow reserve -results from the MACHINE registry. <i>European Journal of Radiology</i> , 2019, 119, 108657.	2.6	19
58	The role of coronary CT angiography for acute chest pain in the era of high-sensitivity troponins. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 267-273.	1.3	12
59	Effect of Tube Voltage on Diagnostic Performance of Fractional Flow Reserve Derived From Coronary CT Angiography With Machine Learning: Results From the MACHINE Registry. <i>American Journal of Roentgenology</i> , 2019, 213, 325-331.	2.2	8
60	Validation of 4D flow CMR against simultaneous invasive hemodynamic measurements: a swine study. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1111-1118.	1.5	17
61	Coronary CT in Patients with a History of PCI or CABG: Helpful or Harmful?. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 1.	0.6	5
62	Clinical Impact of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve on Japanese Population in the ADVANCE Registry. <i>Circulation Journal</i> , 2019, 83, 1293-1301.	1.6	9
63	Impact of iodine concentration and iodine delivery rate on contrast enhancement in coronary CT angiography: a randomized multicenter trial (CT-CON). <i>European Radiology</i> , 2019, 29, 6109-6118.	4.5	13
64	Coronary CT Angiography-derived Fractional Flow Reserve Testing in Patients with Stable Coronary Artery Disease: Recommendations on Interpretation and Reporting. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190050.	2.5	74
65	Incremental Value of Aortomitral Continuity Calcification for Risk Assessment after Transcatheter Aortic Valve Replacement. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190067.	2.5	3
66	Evaluation of atrial septal defects with 4D flow MRI—multilevel and inter-reader reproducibility for quantification of shunt severity. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 269-279.	2.0	34
67	Cardiac CT to assess the risk of coronary compression in patients evaluated for percutaneous pulmonary valve implantation. <i>European Journal of Radiology</i> , 2019, 110, 88-96.	2.6	17
68	Coronary artery calcium: A technical argument for a new scoring method. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 347-352.	1.3	30
69	Comparison of the Diagnostic Performance of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve in Patients With Versus Without Diabetes Mellitus (from the MACHINE) <i>Tj ETQq1 1 0.784314 rgBT /Qserlock</i>	1.4	10
70	Diagnostic Value of Transluminal Attenuation Gradient for the Presence of Ischemia as Defined by Fractional Flow Reserve and Quantitative Positron Emission Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 323-333.	5.3	19
71	Round-the-clock performance of coronary CT angiography for suspected acute coronary syndrome: Results from the BEACON trial. <i>European Radiology</i> , 2018, 28, 2169-2175.	4.5	6
72	European Association of Preventive Cardiology (EAPC) and European Association of Cardiovascular Imaging (EACVI) joint position statement: recommendations for the indication and interpretation of cardiovascular imaging in the evaluation of the athlete's heart. <i>European Heart Journal</i> , 2018, 39, 1949-1969.	2.2	224

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73	Incidence and predictors of lesion-specific ischemia by FFRCT: Learnings from the international ADVANCE registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 95-100.	1.3	30
74	¹⁸ F-fluorodeoxyglucose positron emission/computed tomography and computed tomography angiography in prosthetic heart valve endocarditis: from guidelines to clinical practice. <i>European Heart Journal</i> , 2018, 39, 3739-3749.	2.2	49
75	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , 2018, 28, 4006-4017.	4.5	2
76	Iodixanol versus Iopromide at Coronary CT Angiography: Lumen Opacification and Effect on Heart Rhythm—the Randomized IsoCOR Trial. <i>Radiology</i> , 2018, 286, 71-80.	7.3	19
77	Highlights of the Twelfth Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 3-7.	1.3	2
78	Advanced CT acquisition protocol with a third-generation dual-source CT scanner and iterative reconstruction technique for comprehensive prosthetic heart valve assessment. <i>European Radiology</i> , 2018, 28, 2159-2168.	4.5	21
79	Comprehensive Cardiac CT With Myocardial Perfusion Imaging Versus Functional Testing in Suspected Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1625-1636.	5.3	90
80	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). <i>European Heart Journal</i> , 2018, 39, 286-296.	2.2	44
81	Cardiac Computed Tomography 2.0. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1733-1735.	5.3	0
82	Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: lessons from the ADVANCE Registry. <i>European Heart Journal</i> , 2018, 39, 3701-3711.	2.2	214
83	Diagnostic Accuracy of a Machine-Learning Approach to Coronary Computed Tomographic Angiography-Based Fractional Flow Reserve. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007217.	2.6	280
84	Integrating CT Myocardial Perfusion and CT-FFR in the Work-Up of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 760-770.	5.3	130
85	Classification of hemodynamically significant stenoses from dynamic CT perfusion and CTA myocardial territories. <i>Medical Physics</i> , 2017, 44, 1347-1358.	3.0	4
86	Sex Differences in the Performance of Cardiac Computed Tomography Compared With Functional Testing in Evaluating Stable Chest Pain. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	22
87	Dynamic Computed Tomography Myocardial Perfusion Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	50
88	Calcium Imaging in the Emergency Department. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	1
89	Appropriateness criteria for the use of cardiovascular imaging in heart valve disease in adults: a European Association of Cardiovascular Imaging report of literature review and current practice. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 489-498.	1.2	41
90	Long-term serial non-invasive multislice computed tomography angiography with functional evaluation after coronary implantation of a bioresorbable everolimus-eluting scaffold: the ABSORB cohort B MSCT substudy. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 870-879.	1.2	13

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91	Carotid artery plaques and intima medial thickness in familial hypercholesterolaemic patients on long-term statin therapy: A case control study. <i>Atherosclerosis</i> , 2017, 256, 62-66.	0.8	23
92	Rationale, design and goals of the HeartFlow assessing diagnostic value of non-invasive FFR CT in Coronary Care (ADVANCE) registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 62-67.	1.3	45
93	Partial anomalous pulmonary venous return in Turner syndrome. <i>European Journal of Radiology</i> , 2017, 95, 141-146.	2.6	17
94	Soluble LR11 associates with aortic root calcification in asymptomatic treated male patients with familial hypercholesterolemia. <i>Atherosclerosis</i> , 2017, 265, 299-304.	0.8	7
95	The effect of blood pressure on non-invasive fractional flow reserve derived from coronary computed tomography angiography. <i>European Radiology</i> , 2017, 27, 1416-1423.	4.5	12
96	Diagnostic value of transmural perfusion ratio derived from dynamic CT-based myocardial perfusion imaging for the detection of haemodynamically relevant coronary artery stenosis. <i>European Radiology</i> , 2017, 27, 2309-2316.	4.5	33
97	Is there still a role for cardiac CT in the emergency department in the era of highly-sensitive troponins?. <i>Minerva Cardiology and Angiology</i> , 2017, 65, 214-224.	0.7	2
98	Distinct Pattern of Constrictive Remodeling in Radiotherapy-Induced Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, e121-e123.	2.9	5
99	Serial Coronary Imaging of Early Atherosclerosis Development in Fast-Food-Fed Diabetic and Nondiabetic Swine. <i>JACC Basic To Translational Science</i> , 2016, 1, 449-460.	4.1	6
100	Clinical Value of Coronary Computed Tomographic Angiography in Patients With Stable Angina. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e004783.	2.6	0
101	Recommendations for the imaging assessment of prosthetic heart valves: a report from the European Association of Cardiovascular Imaging endorsed by the Chinese Society of Echocardiography, the Inter-American Society of Echocardiography, and the Brazilian Department of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 589-590.	1.2	411
102	Cloud-processed 4D CMR flow imaging for pulmonary flow quantification. <i>European Journal of Radiology</i> , 2016, 85, 1849-1856.	2.6	32
103	Coronary angiography after cardiac arrest: Rationale and design of the COACT trial. <i>American Heart Journal</i> , 2016, 180, 39-45.	2.7	28
104	Impact of the Everolimus-eluting Bioresorbable Scaffold in Coronary Atherosclerosis. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 109-116.	0.6	6
105	Calcium imaging and selective computed tomography angiography in comparison to functional testing for suspected coronary artery disease: the multicentre, randomized CRESCENT trial. <i>European Heart Journal</i> , 2016, 37, 1232-1243.	2.2	160
106	Functional and anatomical measures for outflow boundary conditions in atherosclerotic coronary bifurcations. <i>Journal of Biomechanics</i> , 2016, 49, 2127-2134.	2.1	14
107	Coronary CT angiography derived fractional flow reserve: Methodology and evaluation of a point of care algorithm. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 105-113.	1.3	50
108	Coronary CT Angiography for Suspected ACS in the Era of High-Sensitivity Troponins. <i>Journal of the American College of Cardiology</i> , 2016, 67, 16-26.	2.8	134

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109	Finding the optimal dose reduction and iterative reconstruction level for coronary calcium scoring. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 69-75.	1.3	39
110	Computed Tomography Angiography with a 192-slice Dual-source Computed Tomography System: Improvements in Image Quality and Radiation Dose. <i>Journal of Clinical Imaging Science</i> , 2016, 6, 44.	1.1	16
111	Increased Aortic Valve Calcification in Familial Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2687-2695.	2.8	54
112	Functional Evaluation of Coronary Disease by CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1322-1335.	5.3	22
113	Appropriateness criteria for cardiovascular imaging use in heart failure: report of literature review. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 147-153.	1.2	34
114	Fractional Flow Reserve Computed from Noninvasive CT Angiography Data: Diagnostic Performance of an On-Site Clinician-operated Computational Fluid Dynamics Algorithm. <i>Radiology</i> , 2015, 274, 674-683.	7.3	218
115	Cardiac computed tomography in patients with acute chest pain. <i>European Heart Journal</i> , 2015, 36, 906-914.	2.2	24
116	Myocardial Enhancement Defects on CT Angiograms. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 695-696.	5.3	1
117	Validation of Renal Artery Dimensions Measured by Magnetic Resonance Angiography in Patients Referred for Renal Sympathetic Denervation. <i>Academic Radiology</i> , 2015, 22, 1106-1114.	2.5	3
118	Cardiovascular imaging practice in Europe: a report from the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 697-702.	1.2	19
119	Effects of intensive lipid-lowering therapy on coronary plaques composition in patients with acute myocardial infarction: Assessment with serial coronary CT angiography. <i>Atherosclerosis</i> , 2015, 241, 579-587.	0.8	54
120	Evolve or perish for coronary calcium imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 354-355.	1.2	8
121	Cardiac computed tomography core syllabus of the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 351-352.	1.2	18
122	2015 ESC Guidelines for the diagnosis and management of pericardial diseases. <i>European Heart Journal</i> , 2015, 36, 2921-2964.	2.2	1,768
123	Conventional Hemodynamic Resuscitation May Fail to Optimize Tissue Perfusion: An Observational Study on the Effects of Dobutamine, Enoximone, and Norepinephrine in Patients with Acute Myocardial Infarction Complicated by Cardiogenic Shock. <i>PLoS ONE</i> , 2014, 9, e103978.	2.5	42
124	Diagnostic performance of hyperaemic myocardial blood flow index obtained by dynamic computed tomography: does it predict functionally significant coronary lesions?. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 85-94.	1.2	119
125	Prognostic implications of non-culprit plaques in acute coronary syndrome: non-invasive assessment with coronary CT angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1231-1237.	1.2	26
126	Relative Myocardial Blood Flow by Dynamic Computed Tomographic Perfusion Imaging Predicts Hemodynamic Significance of Coronary Stenosis Better Than Absolute Blood Flow. <i>Investigative Radiology</i> , 2014, 49, 801-807.	6.2	59

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127	Additional Value of Transluminal Attenuation Gradient in CT Angiography to Predict Hemodynamic Significance of Coronary Artery Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 374-386.	5.3	73
128	Added value of hybrid myocardial perfusion SPECT and CT coronary angiography in the diagnosis of coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1281-1288.	1.2	31
129	SCCT guidelines for the interpretation and reporting of coronary CT angiography: A report of the Society of Cardiovascular Computed Tomography Guidelines Committee. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 342-358.	1.3	755
130	Impact of iterative reconstruction on CT coronary calcium quantification. <i>European Radiology</i> , 2013, 23, 3246-3252.	4.5	64
131	Multislice Computed Tomography Angiography for Noninvasive Assessment of the 18-Month Performance of a Novel Radiolucent Bioresorbable Vascular Scaffolding Device. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1813-1814.	2.8	22
132	Coronary CT angiography outperforms calcium imaging in the triage of acute coronary syndrome. <i>International Journal of Cardiology</i> , 2013, 167, 1597-1602.	1.7	26
133	Aerodynamics in Cardiac CT. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 853-854.	2.6	4
134	Detection and quantification of coronary atherosclerotic plaque by 64-slice multidetector CT: A systematic head-to-head comparison with intravascular ultrasound. <i>Atherosclerosis</i> , 2011, 219, 163-170.	0.8	67
135	Coronary computed tomography angiography versus stress testing in suspected coronary disease. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 93-104.	1.5	0
136	A clinical prediction rule for the diagnosis of coronary artery disease: validation, updating, and extension. <i>European Heart Journal</i> , 2011, 32, 1316-1330.	2.2	427
137	Comparison of the Value of Coronary Calcium Detection to Computed Tomographic Angiography and Exercise Testing in Patients With Chest Pain. <i>American Journal of Cardiology</i> , 2009, 104, 1499-1504.	1.6	44
138	Cardiac CT for the triage of acute chest pain: Ready for clinical use?. <i>Current Cardiovascular Imaging Reports</i> , 2009, 2, 383-385.	0.6	0
139	Diagnostic Accuracy of Computed Tomography Angiography in Patients After Bypass Grafting. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 816-824.	5.3	100
140	Noninvasive stent imaging with MSCT. <i>EuroIntervention</i> , 2009, 5 Suppl D, D107-11.	3.2	0
141	Reperused Myocardial Infarction: Contrast-enhanced 64-Section CT in Comparison to MR Imaging. <i>Radiology</i> , 2008, 247, 49-56.	7.3	196
142	64-Slice Computed Tomography Coronary Angiography in Patients With High, Intermediate, or Low Pretest Probability of Significant Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2007, 50, 1469-1475.	2.8	340
143	Noninvasive Assessment of Plaque Morphology and Composition in Culprit and Stable Lesions in Acute Coronary Syndrome and Stable Lesions in Stable Angina by Multidetector Computed Tomography. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1655-1662.	2.8	527
144	Differentiation of Recent and Chronic Myocardial Infarction by Cardiac Computed Tomography. <i>American Journal of Cardiology</i> , 2006, 98, 303-308.	1.6	112

#	ARTICLE	IF	CITATIONS
145	Noninvasive Visualization of Atherosclerotic Plaque with Electron Beam and Multislice Spiral Computed Tomography. <i>Journal of Interventional Cardiology</i> , 2003, 16, 123-128.	1.2	25
146	Evaluation of Patients after Coronary Artery Bypass Surgery: CT Angiographic Assessment of Grafts and Coronary Arteries. <i>Radiology</i> , 2003, 229, 749-756.	7.3	180
147	Reliable Noninvasive Coronary Angiography With Fast Submillimeter Multislice Spiral Computed Tomography. <i>Circulation</i> , 2002, 106, 2051-2054.	1.6	907
148	Usefulness of multislice computed tomography for detecting obstructive coronary artery disease. <i>American Journal of Cardiology</i> , 2002, 89, 913-918.	1.6	185
149	Noninvasive coronary imaging in the new millennium: a comparison of computed tomography and magnetic resonance techniques. <i>Reviews in Cardiovascular Medicine</i> , 2002, 3, 77-84.	1.4	9
150	Coronary angiography with multi-slice computed tomography. <i>Lancet, The</i> , 2001, 357, 599-603.	13.7	665
151	Coronary Imaging and Screening. , 0, , 89-102.		0