David E Newby

List of Publications by Year
in descending order

		4388	5394
321	30,362	86	164
papers	citations	h-index	g-index

352	352	352	27196
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.	2.1	11
2	Assessment of different quantification metrics of [18F]-NaF PET/CT images of patients with abdominal aortic aneurysm. Journal of Nuclear Cardiology, 2022, 29, 251-261.	2.1	4
3	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. Journal of Nuclear Cardiology, 2022, 29, 126-135.	2.1	26
4	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.	2.1	17
5	Quantifying microcalcification activity in the thoracic aorta. Journal of Nuclear Cardiology, 2022, 29, 1372-1385.	2.1	21
6	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.	5.0	34
7	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.	1.2	21
8	MRI and CT coronary angiography in survivors of COVID-19. Heart, 2022, 108, 46-53.	2.9	25
9	Air pollution and cardiovascular disease: the Paul Wood Lecture, British Cardiovascular Society 2021. Heart, 2022, 108, 1267-1273.	2.9	21
10	Cardiovascular computed tomography imaging for coronary artery disease risk: plaque, flow and fat. Heart, 2022, 108, 1510-1515.	2.9	17
11	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression. Journal of the American College of Cardiology, 2022, 79, 223-233.	2.8	66
12	Debates in cardiac CT: Coronary CT angiography is the best test in asymptomatic patients. Journal of Cardiovascular Computed Tomography, 2022, 16, 290-293.	1.3	6
13	Bypass Grafting and Native Coronary Artery Disease Activity. JACC: Cardiovascular Imaging, 2022, 15, 875-887.	5.3	24
14	Thoracic Aortic 18F-Sodium Fluoride Activity and Ischemic Stroke in Patients With Established Cardiovascular Disease. JACC: Cardiovascular Imaging, 2022, 15, 1274-1288.	5.3	27
15	Coronary Artery and Cardiac Disease in Patients With Type 2 Myocardial Infarction: A Prospective Cohort Study. Circulation, 2022, 145, 1188-1200.	1.6	32
16	Takotsubo Syndrome: Pathophysiology, Emerging Concepts, and Clinical Implications. Circulation, 2022, 145, 1002-1019.	1.6	93
17	Is Asymptomatic Severe Aortic Stenosis Still a Waiting Game?. Circulation, 2022, 145, 874-876.	1.6	6
18	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.	12.3	85

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19	Latest Advances in Multimodality Imaging of Aortic Stenosis. Journal of Nuclear Medicine, 2022, 63, 353-358.	5.0	14
20	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088.	5.3	46
21	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	2.5	6
22	Presentation cardiac troponin and early computed tomography coronary angiography in patients with suspected acute coronary syndrome: a pre-specified secondary analysis of the RAPID-CTCA trial. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 570-579.	1.0	2
23	Apelin is expressed throughout the human kidney, is elevated in chronic kidney disease & associates independently with decline in kidney function. British Journal of Clinical Pharmacology, 2022, 88, 5295-5306.	2.4	3
24	¹⁸F-NaF PET/MRI for Detection of Carotid Atheroma in Acute Neurovascular Syndrome. Radiology, 2022, 305, 137-148.	7.3	7
25	Microcalcification and Thoracic Aortopathy: A Window Into Disease Severity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 1048-1059.	2.4	3
26	Iterative reconstruction incorporating background correction improves quantification of [18F]-NaF PET/CT images of patients with abdominal aortic aneurysm. Journal of Nuclear Cardiology, 2021, 28, 1875-1886.	2.1	12
27	Repeatability of quantitative pericoronary adipose tissue attenuation and coronary plaque burden from coronary CT angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 81-84.	1.3	35
28	Vascular effects of serelaxin in patients with stable coronary artery disease: a randomized placebo-controlled trial. Cardiovascular Research, 2021, 117, 320-329.	3.8	3
29	The 2020 European Society of Cardiology non-ST-segment elevation acute coronary syndromes guideline: the good, the bad and the ugly. Heart, 2021, 107, 444-446.	2.9	2
30	Diagnostic Applications of Ultrasmall Superparamagnetic Particles of Iron Oxide for Imaging Myocardial and Vascular Inflammation. JACC: Cardiovascular Imaging, 2021, 14, 1249-1264.	5.3	13
31	SCCT 2021 Expert Consensus Document on Coronary Computed Tomographic Angiography: A Report of the Society of Cardiovascular Computed Tomography. Journal of Cardiovascular Computed Tomography, 2021, 15, 192-217.	1.3	149
32	EACVI survey on investigations and imaging modalities in chronic coronary syndromes. European Heart Journal Cardiovascular Imaging, 2021, 22, 1-7.	1.2	13
33	Role of Shear Stress and tPA Concentration in the Fibrinolytic Potential of Thrombi. International Journal of Molecular Sciences, 2021, 22, 2115.	4.1	8
34	MINOCA: a heterogenous group of conditions associated with myocardial damage. Heart, 2021, 107, 1458-1464.	2.9	18
35	Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure. Heart, 2021, 107, 1032-1038.	2.9	90
36	Cardiovascular professional societies fall short in providing impartial, clear and evidence-based guidelines. Heart, 2021, 107, 940-942.	2.9	4

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37	Endovascular repair for abdominal aortic aneurysms. Heart, 2021, 107, 1783-1789.	2.9	10
38	Response by Meah et al to Letter Regarding Article, â€œCoronary 18 F-Fluoride Uptake and Progression of Coronary Artery Calcificationâ€• Circulation: Cardiovascular Imaging, 2021, 14, CIRCIMAGING121012514.	2.6	0
39	CARMN Loss Regulates Smooth Muscle Cells and Accelerates Atherosclerosis in Mice. Circulation Research, 2021, 128, 1258-1275.	4.5	47
40	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. Circulation, 2021, 143, 2418-2427.	1.6	61
41	High-Sensitivity Cardiac Troponin on Presentation to Rule Out Myocardial Infarction: A Stepped-Wedge Cluster Randomized Controlled Trial. Circulation, 2021, 143, 2214-2224.	1.6	80
42	Acute cardiovascular effects of controlled exposure to dilute Petrodiesel and biodiesel exhaust in healthy volunteers: a crossover study. Particle and Fibre Toxicology, 2021, 18, 22.	6.2	12
43	First-phase ejection fraction by cardiovascular magnetic resonance predicts outcomes in aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 73.	3.3	2
44	Latin American guideline shows the way. Heart, 2021, 107, 1442-1443.	2.9	1
45	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. Journal of Cardiovascular Computed Tomography, 2021, 15, 333-338.	1.3	24
46	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. European Heart Journal Open, 2021, 1, oeab019.	2.3	15
47	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
48	Forget Ischemia: Itâ€™s All About the Plaque. Circulation, 2021, 144, 1039-1041.	1.6	6
49	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1804-1814.	5.3	28
50	Influence of Heart Rate on Image Quality and Radiation Dose Exposure in Coronary CT Angiography. Radiology, 2021, 300, 701-703.	7.3	6
51	Troponin-Guided Coronary Computed Tomographic Angiography After Exclusion of Myocardial Infarction. Journal of the American College of Cardiology, 2021, 78, 1407-1417.	2.8	21
52	Contrast-enhanced computed tomography assessment of aortic stenosis. Heart, 2021, 107, 1905-1911.	2.9	32
53	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 262-270.	1.2	19
54	Is the fear of disease worse than the disease itself?. Heart, 2021, 107, 91-92.	2.9	5

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55	Response to: Correspondence on â€œSodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failureâ€•by Yalta et al. Heart, 2021, 107, 1922.2-1923.	2.9	18
56	Response by Bing et al to Letter Regarding Article, â€œEffect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trialâ€• Circulation, 2021, 144, e335.	1.6	0
57	Prognostic value of fractional flow reserve from computed tomography. Heart, 2021, , heartjnl-2021-320375.	2.9	3
58	Evaluating Medical Therapy for Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 2354-2376.	2.8	43
59	Low Shear Stress at Baseline Predicts Expansion and Aneurysm-Related Events in Patients With Abdominal Aortic Aneurysm. Circulation: Cardiovascular Imaging, 2021, 14, 1112-1121.	2.6	13
60	Air pollution and cardiovascular disease: car sick. Cardiovascular Research, 2020, 116, 279-294.	3.8	95
61	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. Journal of Nuclear Cardiology, 2020, 27, 962-972.	2.1	32
62	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.	1.2	50
63	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	2.1	43
64	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. Circulation, 2020, 141, 161-171.	1.6	124
65	Standardized reporting systems for computed tomography coronary angiography and calcium scoring: A real-world validation of CAD-RADS and CAC-DRS in patients with stable chest pain. Journal of Cardiovascular Computed Tomography, 2020, 14, 3-11.	1.3	31
66	Ticagrelor to Reduce Myocardial Injury inÂPatients With High-Risk Coronary Artery Plaque. JACC: Cardiovascular Imaging, 2020, 13, 1549-1560.	5.3	26
67	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. Journal of Bone and Mineral Research, 2020, 35, 357-367.	2.8	59
68	Standardization of Preclinical PET/CT Imaging to Improve Quantitative Accuracy, Precision, and Reproducibility: A Multicenter Study. Journal of Nuclear Medicine, 2020, 61, 461-468.	5.0	23
69	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.	6.4	50
70	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 697-713.	2.4	46
71	Vulnerable plaque imaging using ¹⁸F-sodium fluoride positron emission tomography. British Journal of Radiology, 2020, 93, 20190797.	2.2	22
72	Non-invasive imaging of high-risk coronary plaque: the role of computed tomography and positron emission tomography. British Journal of Radiology, 2020, 93, 20190740.	2.2	2

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73	Computed tomography aortic valve calcium scoring for the assessment of aortic stenosis progression. Heart, 2020, 106, 1906-1913.	2.9	22
74	Understanding Quantitative Computed Tomography Coronary Artery Plaque Assessment Using Machine Learning. JACC: Cardiovascular Imaging, 2020, 13, 2174-2176.	5.3	3
75	The Authorsâ€™ reply: instantaneous pressure-flow relationships in aortic stenosis. Heart, 2020, 106, 1778.2-1779.	2.9	2
76	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient:Âa Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2020, 21, 1177-1183.	1.2	29
77	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	2.6	43
78	We all breathe the same air â€¦ and we are all mortal. Cardiovascular Research, 2020, 116, 1797-1799.	3.8	14
79	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. Heart, 2020, 106, 1236-1243.	2.9	22
80	Exercise Electrocardiography and Computed Tomography Coronary Angiography for Patients With Suspected Stable Angina Pectoris. JAMA Cardiology, 2020, 5, 920.	6.1	34
81	Getting to the heart of the matter of COVID-19. Heart, 2020, 106, 1117-1118.	2.9	1
82	Cold feet, warm heart. Heart, 2020, 106, 959-1032.	2.9	0
83	Clinical endpoint adjudication. Lancet, The, 2020, 395, 1878-1882.	13.7	18
84	Time to look deeper into the plaque. European Heart Journal Cardiovascular Imaging, 2020, 21, 981-982.	1.2	0
85	Coronary 18F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 3061-3074.	2.8	100
86	Global evaluation of echocardiography in patients with COVID-19. European Heart Journal Cardiovascular Imaging, 2020, 21, 949-958.	1.2	317
87	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
88	Eosinophil Deficiency Promotes Aberrant Repair and Adverse Remodeling Following Acute Myocardial Infarction. JACC Basic To Translational Science, 2020, 5, 665-681.	4.1	46
89	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. European Heart Journal Quality of Care & Clinical Outcomes, 2020, 6, 293-300.	4.0	30
90	Inhibition of vascular calcification by inositol phosphates derivatized with ethylene glycol oligomers. Nature Communications, 2020, 11, 721.	12.8	38

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91	Cardiovascular imaging to guide primary prevention. Heart, 2020, 106, 1267-1275.	2.9	7
92	miR-96 and miR-183 differentially regulate neonatal and adult postinfarct neovascularization. JCI Insight, 2020, 5, .	5.0	14
93	18F-Sodium Fluoride Positron Emission Tomography/Computed Tomography Imaging of theÂPeripheral Vasculature. , 2020, , 85-94.		0
94	Novel high-sensitivity cardiac troponin I assay in patients with suspected acute coronary syndrome. Heart, 2019, 105, heartjnl-2018-314093.	2.9	38
95	Coronary Computed Tomography Angiography Improving Outcomes in Patients with Chest Pain. Current Cardiovascular Imaging Reports, 2019, 12, 15.	0.6	4
96	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.	6.4	45
97	Molecular Coronary Plaque Imaging Using ¹⁸ F-Fluoride. Circulation: Cardiovascular Imaging, 2019, 12, e008574.	2.6	36
98	Frontiers in positron emission tomography imaging of the vulnerable atherosclerotic plaque. Cardiovascular Research, 2019, 115, 1952-1962.	3.8	20
99	The Human-Specific and Smooth Muscle Cell-Enriched LncRNA SMILR Promotes Proliferation by Regulating Mitotic CENPF mRNA and Drives Cell-Cycle Progression Which Can Be Targeted to Limit Vascular Remodeling. Circulation Research, 2019, 125, 535-551.	4.5	100
100	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. Lancet, The, 2019, 394, 1629-1637.	13.7	263
101	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With StableÂChest Pain. Journal of the American College of Cardiology, 2019, 74, 2058-2070.	2.8	99
102	Sex-Specific Thresholds of High-Sensitivity Troponin in Patients With Suspected Acute Coronary Syndrome. Journal of the American College of Cardiology, 2019, 74, 2032-2043.	2.8	84
103	Imaging vascular calcification. , 2019, , 203-246.		0
104	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. European Heart Journal, 2019, 40, 3529-3543.	2.2	268
105	High-Sensitivity Troponin and the Application of Risk Stratification Thresholds in Patients With Suspected Acute Coronary Syndrome. Circulation, 2019, 140, 1557-1568.	1.6	79
106	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes inÂthe SCOT-HEART Study. Journal of the American College of Cardiology, 2019, 73, 291-301.	2.8	367
107	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 283-296.	5.3	161
108	Disease Activity in Mitral Annular Calcification. Circulation: Cardiovascular Imaging, 2019, 12, e008513.	2.6	63

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109	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. BMJ: British Medical Journal, 2019, 365, l1945.	2.3	99
110	Detection and Prediction of BioprostheticÂAortic Valve Degeneration. Journal of the American College of Cardiology, 2019, 73, 1107-1119.	2.8	110
111	Imaging Biomarkers for Abdominal Aortic Aneurysms. Circulation: Cardiovascular Imaging, 2019, 12, e008917.	2.6	3
112	Rationale and design of the randomized, controlled Early Valve Replacement Guided by Biomarkers of Left Ventricular Decompensation in Asymptomatic Patients with Severe Aortic Stenosis (EVOLVED) trial. American Heart Journal, 2019, 212, 91-100.	2.7	74
113	Coronary atherosclerosis imaging by CT to improve clinical outcomes. Journal of Cardiovascular Computed Tomography, 2019, 13, 281-287.	1.3	15
114	MRI Relaxometry for Quantitative Analysis of USPIO Uptake in Cerebral Small Vessel Disease. International Journal of Molecular Sciences, 2019, 20, 776.	4.1	10
115	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.	5.3	129
116	Global Longitudinal Strain Analysis Using Cardiac MRI in Aortic Stenosis: Comparison with Left Ventricular Remodeling, Myocardial Fibrosis, and 2-year Clinical Outcomes. Radiology: Cardiothoracic Imaging, 2019, 1, e190027.	2.5	9
117	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	5.0	44
118	Imaging aortic wall inflammation. Trends in Cardiovascular Medicine, 2019, 29, 440-448.	4.9	14
119	CONSERVE Your Energy and Resources. JACC: Cardiovascular Imaging, 2019, 12, 1313-1315.	5.3	3
120	Non-invasive imaging of the coronary arteries. European Heart Journal, 2019, 40, 2444-2454.	2.2	32
121	Transcatheter Aortic Heart Valves. JACC: Cardiovascular Imaging, 2019, 12, 135-145.	5.3	89
122	Myocardial and Systemic Inflammation in Acute Stress-Induced (Takotsubo) Cardiomyopathy. Circulation, 2019, 139, 1581-1592.	1.6	188
123	The SCOT-HEART Trial. What we observed and what we learned. Journal of Cardiovascular Computed Tomography, 2019, 13, 54-58.	1.3	14
124	¹⁸ F-Fluoride Signal Amplification Identifies Microcalcifications Associated With Atherosclerotic Plaque Instability in Positron Emission Tomography/Computed Tomography Images. Circulation: Cardiovascular Imaging, 2019, 12, e007835.	2.6	92
125	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. Circulation: Cardiovascular Quality and Outcomes, 2018, 11, e004227.	2.2	41
126	18Fâ€“Sodium Fluoride Uptake in AbdominalÂAortic Aneurysms. Journal of the American College of Cardiology, 2018, 71, 513-523.	2.8	122

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127	Exacerbations of Chronic Obstructive Pulmonary Disease and Cardiac Events. A Post Hoc Cohort Analysis from the SUMMIT Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 51-57.	5.6	192
128	Cigarette smoking and response to inhaled corticosteroids in COPD. European Respiratory Journal, 2018, 51, 1701393.	6.7	27
129	PAR4 (Protease-Activated Receptor 4) Antagonism With BMS-986120 Inhibits Human Ex Vivo Thrombus Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 448-456.	2.4	79
130	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007146.	2.6	251
131	High-Sensitivity Cardiac Troponin and the Risk Stratification of Patients With Renal Impairment Presenting With Suspected Acute Coronary Syndrome. Circulation, 2018, 137, 425-435.	1.6	74
132	Diagnostic and prognostic benefits of computed tomography coronary angiography using the 2016 National Institute for Health and Care Excellence guidance within a randomised trial. Heart, 2018, 104, 207-214.	2.9	41
133	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. Circulation, 2018, 137, 1236-1245.	1.6	250
134	Persistent Long-Term Structural, Functional, and Metabolic Changes After Stress-Induced (Takotsubo) Cardiomyopathy. Circulation, 2018, 137, 1039-1048.	1.6	190
135	1â€...18F-fluoride and 18F-fluorodeoxyglucose positron emission tomography after transient ischaemic attack or minor ischaemic stroke. , 2018, , .		1
136	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.	2.6	36
137	Comparison of International GuidelinesÂfor Assessment of SuspectedÂStable Angina. JACC: Cardiovascular Imaging, 2018, 11, 1301-1310.	5.3	63
138	Psoriasis and Inflammation More Than Skin Deep. Circulation: Cardiovascular Imaging, 2018, 11, e007849.	2.6	5
139	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. New England Journal of Medicine, 2018, 379, 924-933.	27.0	898
140	Reduction in radiation exposure in cardiovascular computed tomography imaging: results from the PROspective multicenter registry on radiaTion dose Estimates of cardiac CT angIOgraphy iN daily practice in 2017 (PROTECTION VI). European Heart Journal, 2018, 39, 3715-3723.	2.2	149
141	High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. Lancet, The, 2018, 392, 919-928.	13.7	263
142	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007451.	2.6	139
143	Magnetic resonance imaging using ultrasmall superparamagnetic particles of iron oxide for abdominal aortic aneurysm: a risk prediction study. Efficacy and Mechanism Evaluation, 2018, 5, 1-94.	0.7	4
144	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. JACC: Cardiovascular Imaging, 2017, 10, 1320-1333.	5.3	280

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145	Symptoms and quality of life in patients with suspected angina undergoing CT coronary angiography: a randomised controlled trial. Heart, 2017, 103, 995-1001.	2.9	40
146	Duration of dual antiplatelet therapy in acute coronary syndrome. Heart, 2017, 103, 573-580.	2.9	34
147	Comparative Effectiveness Trials of Imaging-Guided Strategies in StableÂIschemic Heart Disease. JACC: Cardiovascular Imaging, 2017, 10, 321-334.	5.3	22
148	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. ACS Nano, 2017, 11, 4542-4552.	14.6	437
149	Cardiac CT Improves Outcomes in Stable Coronary Heart Disease: Results of Recent Clinical Trials. Current Cardiovascular Imaging Reports, 2017, 10, 14.	0.6	11
150	Motion-Corrected Imaging of the Aortic Valve with ¹⁸F-NaF PET/CT and PET/MRI: A Feasibility Study. Journal of Nuclear Medicine, 2017, 58, 1811-1814.	5.0	23
151	Fire Simulation and Cardiovascular Health in Firefighters. Circulation, 2017, 135, 1284-1295.	1.6	62
152	End stage renal diseaseâ€induced hypercalcemia may promote aortic valve calcification via Annexin VI enrichment of valve interstitial cell derivedâ€matrix vesicles. Journal of Cellular Physiology, 2017, 232, 2985-2995.	4.1	64
153	The Updated NICE Guidelines: Cardiac CT as the First-Line Test for Coronary Artery Disease. Current Cardiovascular Imaging Reports, 2017, 10, 15.	0.6	227
154	¹⁸ F-Fluoride and ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography After Transient Ischemic Attack or Minor Ischemic Stroke. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	91
155	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. Circulation, 2017, 135, 1586-1596.	1.6	153
156	MR/PET Imaging of the CardiovascularÂSystem. JACC: Cardiovascular Imaging, 2017, 10, 1165-1179.	5.3	61
157	Eâ€…Eosinophils have an essential role in cardiac repair following myocardial infarction. Heart, 2017, 103, A152-A152.	2.9	6
158	Computed Tomography or Functional Stress Testing for the Prediction of Risk. Circulation, 2017, 136, 2006-2008.	1.6	7
159	Unraveling Vascular Inflammation. Journal of the American College of Cardiology, 2017, 70, 1403-1412.	2.8	59
160	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. Circulation, 2017, 136, 787-797.	1.6	122
161	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. JAMA - Journal of the American Medical Association, 2017, 318, 1913.	7.4	188
162	Ferumoxytol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. Heart, 2017, 103, 1528-1535.	2.9	50

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163	Oxidative Stress and Cardiovascular Risk: Obesity, Diabetes, Smoking, and Pollution. Journal of the American College of Cardiology, 2017, 70, 230-251.	2.8	233
164	Mechanisms of Vascular Dysfunction in COPD and Effects of a Novel Soluble Epoxide Hydrolase Inhibitor in Smokers. Chest, 2017, 151, 555-563.	0.8	62
165	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. BMJ: British Medical Journal, 2017, 359, j4788.	2.3	92
166	Cardiometabolic effects of a novel SIRT1 activator, SRT2104, in people with type 2 diabetes mellitus. Open Heart, 2017, 4, e000647.	2.3	19
167	Rotigaptide protects the myocardium and arterial vasculature from ischaemia reperfusion injury. British Journal of Clinical Pharmacology, 2016, 81, 1037-1045.	2.4	15
168	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. Circulation Research, 2016, 119, 330-340.	4.5	114
169	Monitoring the biological activity of abdominal aortic aneurysmsBeyond Ultrasound. Heart, 2016, 102, 817-824.	2.9	35
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