

David E Newby

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.

310
papers

20,987
citations

76
h-index

138
g-index

352
ext. papers

26,314
ext. citations

8.3
avg, IF

6.7
L-index

#	Paper	IF	Citations
310	Air pollution and cardiovascular disease: the Paul Wood Lecture, British Cardiovascular Society 2021.. <i>Heart</i> , 2022 ,	5.1	1
309	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 223-233	15.1	11
308	MRI and CT coronary angiography in survivors of COVID-19. <i>Heart</i> , 2022 , 108, 46-53	5.1	2
307	Takotsubo Syndrome: Pathophysiology, Emerging Concepts, and Clinical Implications.. <i>Circulation</i> , 2022 , 145, 1002-1019	16.7	3
306	Is Asymptomatic Severe Aortic Stenosis Still a Waiting Game?. <i>Circulation</i> , 2022 , 145, 874-876	16.7	0
305	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study.. <i>The Lancet Digital Health</i> , 2022 , 4, e256-e265	14.4	3
304	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography.. <i>Radiology: Cardiothoracic Imaging</i> , 2022 , 4, e210260	8.3	1
303	Response by Bing et al to Letter Regarding Article, "Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial". <i>Circulation</i> , 2021 , 144, e335	16.7	
302	Evaluating Medical Therapy for Calcific Aortic Stenosis: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 2354-2376	15.1	3
301	Response to: Correspondence on "Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure" by Yalta. <i>Heart</i> , 2021 , 107, 1922-1923	5.1	
300	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 262-270	4.1	6
299	Endovascular repair for abdominal aortic aneurysms. <i>Heart</i> , 2021 , 107, 1783-1789	5.1	2
298	Response by Meah et al to Letter Regarding Article, "Coronary F-Fluoride Uptake and Progression of Coronary Artery Calcification". <i>Circulation: Cardiovascular Imaging</i> , 2021 , CIRCIMAGING121012514	3.9	
297	Loss Regulates Smooth Muscle Cells and Accelerates Atherosclerosis in Mice. <i>Circulation Research</i> , 2021 , 128, 1258-1275	15.7	14
296	Machine-learning with F-sodium fluoride PET and quantitative plaque analysis on CT angiography for the future risk of myocardial infarction. <i>Journal of Nuclear Medicine</i> , 2021 ,	8.9	7
295	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. <i>Circulation</i> , 2021 , 143, 2418-2427	16.7	18
294	High-Sensitivity Cardiac Troponin on Presentation to Rule Out Myocardial Infarction: A Stepped-Wedge Cluster Randomized Controlled Trial. <i>Circulation</i> , 2021 , 143, 2214-2224	16.7	14

293	Acute cardiovascular effects of controlled exposure to dilute Petrodiesel and biodiesel exhaust in healthy volunteers: a crossover study. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 22	8.4	5
292	First-phase ejection fraction by cardiovascular magnetic resonance predicts outcomes in aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 73	6.9	0
291	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 333-338	2.8	6
290	Iterative reconstruction incorporating background correction improves quantification of [F]-NaF PET/CT images of patients with abdominal aortic aneurysm. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1875-1886 ⁷	2.1	7
289	Repeatability of quantitative pericoronary adipose tissue attenuation and coronary plaque burden from coronary CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 81-84	2.8	15
288	Vascular effects of serelaxin in patients with stable coronary artery disease: a randomized placebo-controlled trial. <i>Cardiovascular Research</i> , 2021 , 117, 320-329	9.9	0
287	Diagnostic Applications of Ultrasmall Superparamagnetic Particles of Iron Oxide for Imaging Myocardial and Vascular Inflammation. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1249-1264	8.4	10
286	SCCT 2021 Expert Consensus Document on Coronary Computed Tomographic Angiography: A Report of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 192-217	2.8	33
285	EACVI survey on investigations and imaging modalities in chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1-7	4.1	3
284	Quantifying microcalcification activity in the thoracic aorta. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	6
283	MINOCA: a heterogenous group of conditions associated with myocardial damage. <i>Heart</i> , 2021 , 107, 1458-1464	5.1	2
282	Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure. <i>Heart</i> , 2021 ,	5.1	36
281	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. <i>European Heart Journal Open</i> , 2021 , 1, oeab019		1
280	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. <i>Circulation</i> , 2021 , 144, 1396-1408	16.7	9
279	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	1
278	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1804-1814	8.4	7
277	Influence of Heart Rate on Image Quality and Radiation Dose Exposure in Coronary CT Angiography. <i>Radiology</i> , 2021 , 300, 701-703	20.5	0
276	Troponin-Guided Coronary Computed Tomographic Angiography After Exclusion of Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 1407-1417	15.1	2

275	Contrast-enhanced computed tomography assessment of aortic stenosis. <i>Heart</i> , 2021 , 107, 1905-1911	5.1	5
274	Low Shear Stress at Baseline Predicts Expansion and Aneurysm-Related Events in Patients With Abdominal Aortic Aneurysm. <i>Circulation: Cardiovascular Imaging</i> , 2021 , CIRCIMAGING121013160	3.9	1
273	Air pollution and cardiovascular disease: car sick. <i>Cardiovascular Research</i> , 2020 , 116, 279-294	9.9	47
272	Coronary F-Fluoride Uptake and Progression of Coronary Artery Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e011438	3.9	12
271	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. <i>Heart</i> , 2020 , 106, 1236-1243	5.1	11
270	Exercise Electrocardiography and Computed Tomography Coronary Angiography for Patients With Suspected Stable Angina Pectoris: A Post Hoc Analysis of the Randomized SCOT-HEART Trial. <i>JAMA Cardiology</i> , 2020 , 5, 920-928	16.2	8
269	Cold feet, warm heart. <i>Heart</i> , 2020 , 106, 959-1032	5.1	
268	Clinical endpoint adjudication. <i>Lancet, The</i> , 2020 , 395, 1878-1882	4.0	9
267	Assessment of different quantification metrics of [F]-NaF PET/CT images of patients with abdominal aortic aneurysm. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	2
266	Coronary F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 3061-3074	15.1	38
265	Global evaluation of echocardiography in patients with COVID-19. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 949-958	4.1	176
264	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). <i>Circulation</i> , 2020 , 141, 1452-1462	16.7	105
263	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	6
262	Eosinophil Deficiency Promotes Aberrant Repair and Adverse Remodeling Following Acute Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2020 , 5, 665-681	8.7	20
261	Respiration-averaged CT versus standard CT attenuation map for correction of F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	7
260	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020 , 6, 293-300	4.6	10
259	Cardiovascular imaging to guide primary prevention. <i>Heart</i> , 2020 , 106, 1267-1275	5.1	1
258	miR-96 and miR-183 differentially regulate neonatal and adult postinfarct neovascularization. <i>JCI Insight</i> , 2020 , 5,	9.9	7

257	18F-Sodium Fluoride Positron Emission Tomography/Computed Tomography Imaging of the Peripheral Vasculature 2020 , 85-94		
256	Inhibition of vascular calcification by inositol phosphates derivatized with ethylene glycol oligomers. <i>Nature Communications</i> , 2020 , 11, 721	17.4	23
255	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 357-367	6.3	29
254	Standardization of Preclinical PET/CT Imaging to Improve Quantitative Accuracy, Precision, and Reproducibility: A Multicenter Study. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 461-468	8.9	8
253	Whole-vessel coronary F-sodium fluoride PET for assessment of the global coronary microcalcification burden. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1736-1745	8.8	18
252	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 697-713	9.4	27
251	Vulnerable plaque imaging using F-sodium fluoride positron emission tomography. <i>British Journal of Radiology</i> , 2020 , 93, 20190797	3.4	7
250	Non-invasive imaging of high-risk coronary plaque: the role of computed tomography and positron emission tomography. <i>British Journal of Radiology</i> , 2020 , 93, 20190740	3.4	0
249	Computed tomography aortic valve calcium scoring for the assessment of aortic stenosis progression. <i>Heart</i> , 2020 , 106, 1906-1913	5.1	8
248	The Authors Reply: instantaneous pressure-flow relationships in aortic stenosis. <i>Heart</i> , 2020 , 106, 1778-1779	5.1	8
247	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: A Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1177-1183	4.1	10
246	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 962-972	2.1	17
245	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 58-66	4.1	25
244	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 494-504	2.1	26
243	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. <i>Circulation</i> , 2020 , 141, 161-171	16.7	61
242	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. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 3-11	2.8	13
241	Ticagrelor to Reduce Myocardial Injury in Patients With High-Risk Coronary Artery Plaque. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1549-1560	8.4	18
240	Imaging vascular calcification: Where are we headed 2019 , 203-246		

239	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019 , 40, 3529-3543	9.5	127
238	High-Sensitivity Troponin and the Application of Risk Stratification Thresholds in Patients With Suspected Acute Coronary Syndrome. <i>Circulation</i> , 2019 , 140, 1557-1568	16.7	46
237	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes in the SCOT-HEART Study. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 291-301	15.1	175
236	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 283-296	8.4	79
235	Disease Activity in Mitral Annular Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008513	3.9	35
234	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. <i>BMJ, The</i> , 2019 , 365, l1945	5.9	39
233	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1107-1119	15.1	52
232	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. <i>American Heart Journal</i> , 2019 , 212, 91-100	4.9	40
231	Coronary atherosclerosis imaging by CT to improve clinical outcomes. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 281-287	2.8	12
230	MRI Relaxometry for Quantitative Analysis of USPIO Uptake in Cerebral Small Vessel Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
229	Coronary Computed Tomography Angiography Improving Outcomes in Patients with Chest Pain. <i>Current Cardiovascular Imaging Reports</i> , 2019 , 12, 15	0.7	3
228	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary F-NaF PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2610-2620	8.8	24
227	Molecular Coronary Plaque Imaging Using F-Fluoride. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008574	5.4	24
226	Frontiers in positron emission tomography imaging of the vulnerable atherosclerotic plaque. <i>Cardiovascular Research</i> , 2019 , 115, 1952-1962	9.9	12
225	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. <i>Circulation Research</i> , 2019 , 125, 535-551	15.7	50
224	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. <i>Lancet, The</i> , 2019 , 394, 1629-1637	40.1	131
223	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With Stable Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2058-2070	15.1	48
222	Sex-Specific Thresholds of High-Sensitivity Troponin in Patients With Suspected Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2032-2043	15.1	31

221	Peri-Coronary Adipose Tissue Density Is Associated With F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2000-2010	8.4	63
220	Global Longitudinal Strain Analysis Using Cardiac MRI in Aortic Stenosis: Comparison with Left Ventricular Remodeling, Myocardial Fibrosis, and 2-year Clinical Outcomes. <i>Radiology: Cardiothoracic Imaging</i> , 2019 , 1, e190027	8.3	4
219	Three-Hour Delayed Imaging Improves Assessment of Coronary F-Sodium Fluoride PET. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 530-535	8.9	27
218	Imaging aortic wall inflammation. <i>Trends in Cardiovascular Medicine</i> , 2019 , 29, 440-448	6.9	7
217	Non-invasive imaging of the coronary arteries. <i>European Heart Journal</i> , 2019 , 40, 2444-2454	9.5	18
216	Transcatheter Aortic Heart Valves: Histological Analysis Providing Insight to Leaflet Thickening and Structural Valve Degeneration. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 135-145	8.4	56
215	Myocardial and Systemic Inflammation in Acute Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 2019 , 139, 1581-1592	16.7	105
214	The SCOT-HEART Trial. What we observed and what we learned. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 54-58	2.8	9
213	F-Fluoride Signal Amplification Identifies Microcalcifications Associated With Atherosclerotic Plaque Instability in Positron Emission Tomography/Computed Tomography Images. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e007835	3.9	56
212	Novel high-sensitivity cardiac troponin I assay in patients with suspected acute coronary syndrome. <i>Heart</i> , 2019 , 105, 616-622	5.1	19
211	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018 , 11, e004227	5.8	25
210	F-Sodium Fluoride Uptake in Abdominal Aortic Aneurysms: The SoFIA Study. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 513-523	15.1	79
209	Exacerbations of Chronic Obstructive Pulmonary Disease and Cardiac Events. A Post Hoc Cohort Analysis from the SUMMIT Randomized Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 51-57	10.2	97
208	Cigarette smoking and response to inhaled corticosteroids in COPD. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	17
207	PAR4 (Protease-Activated Receptor 4) Antagonism With BMS-986120 Inhibits Human Ex Vivo Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 448-456	9.4	53
206	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007146	3.9	147
205	High-Sensitivity Cardiac Troponin and the Risk Stratification of Patients With Renal Impairment Presenting With Suspected Acute Coronary Syndrome. <i>Circulation</i> , 2018 , 137, 425-435	16.7	45
204	Diagnostic and prognostic benefits of computed tomography coronary angiography using the 2016 National Institute for Health and Care Excellence guidance within a randomised trial. <i>Heart</i> , 2018 , 104, 207-214	5.1	26

203	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. <i>New England Journal of Medicine</i> , 2018 , 379, 924-933	59.2	471
202	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). <i>European Heart Journal</i> , 2018 , 39, 3715-3723	9.5	77
201	High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. <i>Lancet, The</i> , 2018 , 392, 919-928	40	144
200	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis: A Multicenter Cardiac Magnetic Resonance Study. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007451	3.9	82
199	Magnetic resonance imaging using ultrasmall superparamagnetic particles of iron oxide for abdominal aortic aneurysm: a risk prediction study. <i>Efficacy and Mechanism Evaluation</i> , 2018 , 5, 1-94	1.7	1
198	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. <i>Circulation</i> , 2018 , 137, 1236-1245	16.7	144
197	Persistent Long-Term Structural, Functional, and Metabolic Changes After Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 2018 , 137, 1039-1048	16.7	123
196	Feasibility of Coronary F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e008325	3.9	24
195	Comparison of International Guidelines For Assessment of Suspected Stable Angina: Insights From the PROMISE and SCOT-HEART. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1301-1310	8.4	36
194	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1320-1333	8.4	181
193	Symptoms and quality of life in patients with suspected angina undergoing CT coronary angiography: a randomised controlled trial. <i>Heart</i> , 2017 , 103, 995-1001	5.1	31
192	Duration of dual antiplatelet therapy in acute coronary syndrome. <i>Heart</i> , 2017 , 103, 573-580	5.1	29
191	Comparative Effectiveness Trials of Imaging-Guided Strategies in Stable Ischemic Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 321-334	8.4	12
190	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. <i>ACS Nano</i> , 2017 , 11, 4542-4552	16.7	287
189	Cardiac CT Improves Outcomes in Stable Coronary Heart Disease: Results of Recent Clinical Trials. <i>Current Cardiovascular Imaging Reports</i> , 2017 , 10, 14	0.7	9
188	Motion-Corrected Imaging of the Aortic Valve with F-NaF PET/CT and PET/MRI: A Feasibility Study. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1811-1814	8.9	17
187	Fire Simulation and Cardiovascular Health in Firefighters. <i>Circulation</i> , 2017 , 135, 1284-1295	16.7	37
186	End stage renal disease-induced hypercalcemia may promote aortic valve calcification via Annexin VI enrichment of valve interstitial cell derived-matrix vesicles. <i>Journal of Cellular Physiology</i> , 2017 , 232, 2985-2995	7	43

185	The Updated NICE Guidelines: Cardiac CT as the First-Line Test for Coronary Artery Disease. <i>Current Cardiovascular Imaging Reports</i> , 2017 , 10, 15	0.7	145
184	F-Fluoride and F-Fluorodeoxyglucose Positron Emission Tomography After Transient Ischemic Attack or Minor Ischemic Stroke: Case-Control Study. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	62
183	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. <i>Circulation</i> , 2017 , 135, 1586-1596	16.7	96
182	MR/PET Imaging of the Cardiovascular System. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1165-1179	8.4	47
181	E Eosinophils have an essential role in cardiac repair following myocardial infarction. <i>Heart</i> , 2017 , 103, A152-A152	5.1	5
180	Unraveling Vascular Inflammation: From Immunology to Imaging. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1403-1412	15.1	45
179	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. <i>Circulation</i> , 2017 , 136, 787-797	16.7	85
178	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 1913-1924	27.4	117
177	Ferumoxytol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. <i>Heart</i> , 2017 , 103, 1528-1535	5.1	32
176	Oxidative Stress and Cardiovascular Risk: Obesity, Diabetes, Smoking, and Pollution: Part 3 of a 3-Part Series. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 230-251	15.1	164
175	Mechanisms of Vascular Dysfunction in COPD and Effects of a Novel Soluble Epoxide Hydrolase Inhibitor in Smokers. <i>Chest</i> , 2017 , 151, 555-563	5.3	37
174	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. <i>BMJ, The</i> , 2017 , 359, j4788	5.9	60
173	Cardiometabolic effects of a novel SIRT1 activator, SRT2104, in people with type 2 diabetes mellitus. <i>Open Heart</i> , 2017 , 4, e000647	3	15
172	Cardiovascular effects of urocortin 2 and urocortin 3 in patients with chronic heart failure. <i>British Journal of Clinical Pharmacology</i> , 2016 , 82, 974-82	3.8	23
171	Quantitative assessment of myocardial blood flow in coronary artery disease by cardiovascular magnetic resonance: comparison of Fermi and distributed parameter modeling against invasive methods. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 57	6.9	15
170	Iterative reconstruction can permit the use of lower X-ray tube current in CT coronary artery calcium scoring. <i>British Journal of Radiology</i> , 2016 , 89, 20150780	3.4	9
169	Ablation of the androgen receptor from vascular smooth muscle cells demonstrates a role for testosterone in vascular calcification. <i>Scientific Reports</i> , 2016 , 6, 24807	4.9	49
168	Computed Tomography and Cardiac Magnetic Resonance in Ischemic Heart Disease. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 2201-2216	15.1	32

167	The RAPID-CTCA trial (Rapid Assessment of Potential Ischaemic Heart Disease with CTCA) - a multicentre parallel-group randomised trial to compare early computerised tomography coronary angiography versus standard care in patients presenting with suspected or confirmed acute coronary syndrome: study protocol for a randomised controlled trial. <i>Trials</i> , 2016 , 17, 579	2.8	16
166	Positron emission tomography imaging of coronary atherosclerosis. <i>Future Cardiology</i> , 2016 , 12, 483-96	1.3	6
165	Coronary CT Angiography as a Diagnostic and Prognostic Tool: Perspectives from the SCOT-HEART Trial. <i>Current Cardiology Reports</i> , 2016 , 18, 18	4.2	19
164	Diagnostic Strategies for the Evaluation of Chest Pain: Clinical Implications From SCOT-HEART and PROMISE. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 843-52	15.1	41
163	Motion Correction of 18F-NaF PET for Imaging Coronary Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 54-9	8.9	60
162	Platelet activation independent of pulmonary inflammation contributes to diesel exhaust particulate-induced promotion of arterial thrombosis. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 6	8.4	34
161	Rotigaptide protects the myocardium and arterial vasculature from ischaemia reperfusion injury. <i>British Journal of Clinical Pharmacology</i> , 2016 , 81, 1037-45	3.8	13
160	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. <i>Circulation Research</i> , 2016 , 119, 330-40	15.7	89
159	Monitoring the biological activity of abdominal aortic aneurysms Beyond Ultrasound. <i>Heart</i> , 2016 , 102, 817-24	5.1	29
158	High Structural Stress and Presence of Intraluminal Thrombus Predict Abdominal Aortic Aneurysm 18F-FDG Uptake: Insights From Biomechanics. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	17
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94	Particles and the Vascular Endothelium 2011 , 379-402		2
93	Acute Effects of Particulate Matter on the Risk of Myocardial Infarction 2011 , 23-43		1
92	Particles, Coagulation, and Thrombosis 2011 , 403-420		
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