

David E Newby

List of Publications by Citations

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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	The influence of heart rate on augmentation index and central arterial pressure in humans. <i>Journal of Physiology</i> , 2000 , 525 Pt 1, 263-70	3.9	758
309	A randomized trial of intensive lipid-lowering therapy in calcific aortic stenosis. <i>New England Journal of Medicine</i> , 2005 , 352, 2389-97	59.2	753
308	Global association of air pollution and heart failure: a systematic review and meta-analysis. <i>Lancet, The</i> , 2013 , 382, 1039-48	40	687
307	¹⁸ F-fluoride positron emission tomography for identification of ruptured and high-risk coronary atherosclerotic plaques: a prospective clinical trial. <i>Lancet, The</i> , 2014 , 383, 705-13	40	581
306	Smoke-free legislation and hospitalizations for acute coronary syndrome. <i>New England Journal of Medicine</i> , 2008 , 359, 482-91	59.2	515
305	Adverse cardiovascular effects of air pollution. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2009 , 6, 36-44		503
304	Ischemic and thrombotic effects of dilute diesel-exhaust inhalation in men with coronary heart disease. <i>New England Journal of Medicine</i> , 2007 , 357, 1075-82	59.2	498
303	Diesel exhaust inhalation causes vascular dysfunction and impaired endogenous fibrinolysis. <i>Circulation</i> , 2005 , 112, 3930-6	16.7	484
302	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. <i>New England Journal of Medicine</i> , 2018 , 379, 924-933	59.2	471
301	Expert position paper on air pollution and cardiovascular disease. <i>European Heart Journal</i> , 2015 , 36, 83-93	9.5	445
300	Short term exposure to air pollution and stroke: systematic review and meta-analysis. <i>BMJ, The</i> , 2015 , 350, h1295	5.9	391
299	Endothelin-A receptor antagonist-mediated vasodilatation is attenuated by inhibition of nitric oxide synthesis and by endothelin-B receptor blockade. <i>Circulation</i> , 1998 , 97, 752-6	16.7	389
298	Coronary arterial ¹⁸ F-sodium fluoride uptake: a novel marker of plaque biology. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1539-48	15.1	358
297	Calcific aortic stenosis: a disease of the valve and the myocardium. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 1854-63	15.1	354
296	Midwall fibrosis is an independent predictor of mortality in patients with aortic stenosis. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1271-9	15.1	345
295	Endothelial dysfunction, impaired endogenous fibrinolysis, and cigarette smoking: a mechanism for arterial thrombosis and myocardial infarction. <i>Circulation</i> , 1999 , 99, 1411-5	16.7	309
294	High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. <i>Lancet, The</i> , 2015 , 386, 2481-8	40	293

293	Persistent endothelial dysfunction in humans after diesel exhaust inhalation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 395-400	10.2	293
292	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. <i>ACS Nano</i> , 2017 , 11, 4542-4552	16.7	287
291	Identifying active vascular microcalcification by (18)F-sodium fluoride positron emission tomography. <i>Nature Communications</i> , 2015 , 6, 7495	17.4	285
290	High sensitivity cardiac troponin and the under-diagnosis of myocardial infarction in women: prospective cohort study. <i>BMJ, The</i> , 2015 , 350, g7873	5.9	256
289	Vascular effects of apelin in vivo in man. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 908-13	15.1	236
288	Diesel exhaust inhalation increases thrombus formation in man. <i>European Heart Journal</i> , 2008 , 29, 3043-51	15.1	223
287	Assessment of valvular calcification and inflammation by positron emission tomography in patients with aortic stenosis. <i>Circulation</i> , 2012 , 125, 76-86	16.7	205
286	Implementation of a sensitive troponin I assay and risk of recurrent myocardial infarction and death in patients with suspected acute coronary syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 305, 1210-6	27.4	201
285	Use of Coronary Computed Tomographic Angiography to Guide Management of Patients With Coronary Disease. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1759-1768	15.1	198
284	Impaired coronary tissue plasminogen activator release is associated with coronary atherosclerosis and cigarette smoking: direct link between endothelial dysfunction and atherothrombosis. <i>Circulation</i> , 2001 , 103, 1936-41	16.7	195
283	Calcification in Aortic Stenosis: The Skeleton Key. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 561-77	15.1	193
282	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1320-1333	8.4	181
281	Reducing personal exposure to particulate air pollution improves cardiovascular health in patients with coronary heart disease. <i>Environmental Health Perspectives</i> , 2012 , 120, 367-72	8.4	177
280	Global evaluation of echocardiography in patients with COVID-19. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 949-958	4.1	176
279	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
278	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
277	¹⁸ F-sodium fluoride uptake is a marker of active calcification and disease progression in patients with aortic stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 371-8	3.9	152
276	Combustion-derived nanoparticulate induces the adverse vascular effects of diesel exhaust inhalation. <i>European Heart Journal</i> , 2011 , 32, 2660-71	9.5	149

275	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007146	3.9	147
274	High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis. <i>European Heart Journal</i> , 2014 , 35, 2312-21	9.5	147
273	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
272	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	4.0	144
271	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. <i>Circulation</i> , 2018 , 137, 1236-1245	16.7	144
270	Smooth Muscle Enriched Long Noncoding RNA (SMILR) Regulates Cell Proliferation. <i>Circulation</i> , 2016 , 133, 2050-65	16.7	142
269	Beneficial cardiovascular effects of reducing exposure to particulate air pollution with a simple facemask. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 8	8.4	141
268	Particle traps prevent adverse vascular and prothrombotic effects of diesel engine exhaust inhalation in men. <i>Circulation</i> , 2011 , 123, 1721-8	16.7	140
267	Vascular dysfunction in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 513-20	10.2	134
266	Abdominal aortic aneurysm growth predicted by uptake of ultrasmall superparamagnetic particles of iron oxide: a pilot study. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 274-81	3.9	133
265	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	4.0	131
264	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
263	Ultrasmall superparamagnetic particles of iron oxide in patients with acute myocardial infarction: early clinical experience. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 559-65	3.9	127
262	Persistent Long-Term Structural, Functional, and Metabolic Changes After Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 2018 , 137, 1039-1048	16.7	123
261	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
260	Role of inflammation in cardiopulmonary health effects of PM. <i>Toxicology and Applied Pharmacology</i> , 2005 , 207, 483-8	4.6	112
259	Experimental exposure to diesel exhaust increases arterial stiffness in man. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 7	8.4	106
258	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

257	Myocardial and Systemic Inflammation in Acute Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 2019 , 139, 1581-1592	16.7	105
256	Direct impairment of vascular function by diesel exhaust particulate through reduced bioavailability of endothelium-derived nitric oxide induced by superoxide free radicals. <i>Environmental Health Perspectives</i> , 2009 , 117, 611-6	8.4	102
255	Bradykinin contributes to the vasodilator effects of chronic angiotensin-converting enzyme inhibition in patients with heart failure. <i>Circulation</i> , 2001 , 104, 2177-81	16.7	102
254	Understanding the role of endothelial progenitor cells in percutaneous coronary intervention. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1553-65	15.1	98
253	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
252	Exposure to concentrated ambient particles does not affect vascular function in patients with coronary heart disease. <i>Environmental Health Perspectives</i> , 2008 , 116, 709-15	8.4	97
251	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
250	Late outgrowth endothelial cells resemble mature endothelial cells and are not derived from bone marrow. <i>Stem Cells</i> , 2013 , 31, 338-48	5.8	95
249	Stimulated tissue plasminogen activator release as a marker of endothelial function in humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 2470-9	9.4	94
248	Effects of acute angiotensin II type 1 receptor antagonism and angiotensin converting enzyme inhibition on plasma fibrinolytic parameters in patients with heart failure. <i>Circulation</i> , 1999 , 99, 2983-5	16.7	93
247	Left ventricular hypertrophy with strain and aortic stenosis. <i>Circulation</i> , 2014 , 130, 1607-16	16.7	89
246	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. <i>Circulation Research</i> , 2016 , 119, 330-40	15.7	89
245	Translational promise of the apelin--APJ system. <i>Heart</i> , 2010 , 96, 1011-6	5.1	88
244	Impaired vascular function after exposure to diesel exhaust generated at urban transient running conditions. <i>Particle and Fibre Toxicology</i> , 2010 , 7, 19	8.4	87
243	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. <i>Circulation</i> , 2017 , 136, 787-797	16.7	85
242	In vivo mononuclear cell tracking using superparamagnetic particles of iron oxide: feasibility and safety in humans. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 509-17	3.9	84
241	Diesel exhaust particulate increases the size and complexity of lesions in atherosclerotic mice. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 61	8.4	83
240	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

239	Sustained cardiovascular actions of APJ agonism during renin-angiotensin system activation and in patients with heart failure. <i>Circulation: Heart Failure</i> , 2013 , 6, 482-91	7.6	82
238	Exposure to wood smoke increases arterial stiffness and decreases heart rate variability in humans. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 20	8.4	80
237	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 283-296	8.4	79
236	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
235	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
234	Air pollution and atherothrombosis. <i>Inhalation Toxicology</i> , 2007 , 19 Suppl 1, 81-9	2.7	75
233	Cardiovascular effects of a novel SIRT1 activator, SRT2104, in otherwise healthy cigarette smokers. <i>Journal of the American Heart Association</i> , 2013 , 2, e000042	6	68
232	Non-invasive measures of pulse wave velocity correlate with coronary arterial plaque load in humans. <i>Journal of Hypertension</i> , 2004 , 22, 363-8	1.9	67
231	An in vivo Model for the Assessment of Acute Fibrinolytic Capacity of the Endothelium. <i>Thrombosis and Haemostasis</i> , 1997 , 78, 1242-1248	7	67
230	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
229	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
228	Valvular (18)F-Fluoride and (18)F-Fluorodeoxyglucose Uptake Predict Disease Progression and Clinical Outcome in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 1200-1	15.1	62
227	Cardiovascular effects of tumour necrosis factor antagonism in patients with acute myocardial infarction: a first in human study. <i>Heart</i> , 2013 , 99, 1330-5	5.1	62
226	Diesel exhaust inhalation does not affect heart rhythm or heart rate variability. <i>Heart</i> , 2011 , 97, 544-50	5.1	61
225	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. <i>Circulation</i> , 2020 , 141, 161-171	16.7	61
224	Motion Correction of 18F-NaF PET for Imaging Coronary Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 54-9	8.9	60
223	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
222	Systemic Atherosclerotic Inflammation Following Acute Myocardial Infarction: Myocardial Infarction Begets Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2015 , 4, e001956	6	58

221	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
220	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
219	Exposure to nitrogen dioxide is not associated with vascular dysfunction in man. <i>Inhalation Toxicology</i> , 2010 , 22, 192-8	2.7	54
218	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
217	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1107-1119	15.1	52
216	Altered nitric oxide bioavailability contributes to diesel exhaust inhalation-induced cardiovascular dysfunction in man. <i>Journal of the American Heart Association</i> , 2013 , 2, e004309	6	51
215	Altered endothelin-1 vasoreactivity in patients with untreated normal-pressure glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2528-32		51
214	Neutral endopeptidase inhibition augments vascular actions of bradykinin in patients treated with angiotensin-converting enzyme inhibition. <i>Hypertension</i> , 2004 , 44, 913-8	8.5	51
213	The L-arginine/nitric oxide pathway contributes to the acute release of tissue plasminogen activator in vivo in man. <i>Cardiovascular Research</i> , 1998 , 38, 485-92	9.9	51
212	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
211	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
210	Optimization and Reproducibility of Aortic Valve 18F-Fluoride Positron Emission Tomography in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	49
209	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
208	Pulmonary diesel particulate increases susceptibility to myocardial ischemia/reperfusion injury via activation of sensory TRPV1 and α 1 adrenoreceptors. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 12	8.4	48
207	MR/PET Imaging of the Cardiovascular System. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1165-1179	8.4	47
206	Air pollution and cardiovascular disease: car sick. <i>Cardiovascular Research</i> , 2020 , 116, 279-294	9.9	47
205	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
204	Diesel exhaust particulate--exposed macrophages cause marked endothelial cell activation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 44, 840-51	5.7	46

203	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
202	Unraveling Vascular Inflammation: From Immunology to Imaging. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1403-1412	15.1	45
201	Role of multidetector computed tomography in the diagnosis and management of patients attending the rapid access chest pain clinic, The Scottish computed tomography of the heart (SCOT-HEART) trial: study protocol for randomized controlled trial. <i>Trials</i> , 2012 , 13, 184	2.8	45
200	Endothelial fibrinolytic capacity predicts future adverse cardiovascular events in patients with coronary heart disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1651-6	9.4	45
199	Contribution of endothelin 1 to the vascular effects of diesel exhaust inhalation in humans. <i>Hypertension</i> , 2009 , 54, 910-5	8.5	44
198	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
197	Diesel exhaust particulate induces pulmonary and systemic inflammation in rats without impairing endothelial function ex vivo or in vivo. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 9	8.4	43
196	Potentiation of bradykinin-induced tissue plasminogen activator release by angiotensin-converting enzyme inhibition. <i>Journal of the American College of Cardiology</i> , 2001 , 38, 1402-8	15.1	43
195	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
194	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
193	Marked bradykinin-induced tissue plasminogen activator release in patients with heart failure maintained on long-term angiotensin-converting enzyme inhibitor therapy. <i>Journal of the American College of Cardiology</i> , 2002 , 40, 961-6	15.1	40
192	Protein corona formation in bronchoalveolar fluid enhances diesel exhaust nanoparticle uptake and pro-inflammatory responses in macrophages. <i>Nanotoxicology</i> , 2016 , 10, 981-91	5.3	40
191	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
190	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
189	Fire Simulation and Cardiovascular Health in Firefighters. <i>Circulation</i> , 2017 , 135, 1284-1295	16.7	37
188	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
187	MRI using ultrasmall superparamagnetic particles of iron oxide in patients under surveillance for abdominal aortic aneurysms to predict rupture or surgical repair: MRI for abdominal aortic aneurysms to predict rupture or surgery-the MA(3)RS study. <i>Open Heart</i> , 2015 , 2, e000190	3	37
186	Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure. <i>Heart</i> , 2021 ,	5.1	36

185	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
184	Disease Activity in Mitral Annular Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008513	3.9	35
183	Reduced responsiveness to endothelin-1 in peripheral resistance vessels of patients with syndrome X. <i>Journal of the American College of Cardiology</i> , 1998 , 31, 1585-90	15.1	35
182	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
181	Vitamin C has no effect on endothelium-dependent vasomotion and acute endogenous fibrinolysis in healthy smokers. <i>Journal of Cardiovascular Pharmacology</i> , 2004 , 44, 117-24	3.1	34
180	Comparison of forearm vasodilatation to substance P and acetylcholine: contribution of nitric oxide. <i>Clinical Science</i> , 1997 , 92, 133-8	6.5	33
179	Placebo-controlled comparison of candoxatril, an orally active neutral endopeptidase inhibitor, and captopril in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 1999 , 1, 67-72	12.3	33
178	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
177	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
176	Ferumoxitol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. <i>Heart</i> , 2017 , 103, 1528-1535	5.1	32
175	Intra-arterial substance P mediated vasodilatation in the human forearm: pharmacology, reproducibility and tolerability. <i>British Journal of Clinical Pharmacology</i> , 1997 , 43, 493-9	3.8	32
174	Imaging of coronary atherosclerosis - evolution towards new treatment strategies. <i>Nature Reviews Cardiology</i> , 2016 , 13, 533-48	14.8	32
173	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
172	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
171	Vascular and plaque imaging with ultrasmall superparamagnetic particles of iron oxide. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 83	6.9	31
170	Duration of dual antiplatelet therapy in acute coronary syndrome. <i>Heart</i> , 2017 , 103, 573-580	5.1	29
169	Risk Stratification in Patients With Aortic Stenosis Using Novel Imaging Approaches. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e003421	3.9	29
168	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

167	Monitoring the biological activity of abdominal aortic aneurysms Beyond Ultrasound. <i>Heart</i> , 2016 , 102, 817-24	5.1	29
166	Effect of Ω 3 fatty acid supplementation on endothelial function, endogenous fibrinolysis and platelet activation in male cigarette smokers. <i>Heart</i> , 2013 , 99, 168-74	5.1	28
165	Triggering of acute myocardial infarction: beyond the vulnerable plaque. <i>Heart</i> , 2010 , 96, 1247-51	5.1	27
164	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
163	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
162	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
161	Direct vascular effects of protease-activated receptor type 1 agonism in vivo in humans. <i>Circulation</i> , 2006 , 114, 1625-32	16.7	26
160	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 494-504	2.1	26
159	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
158	Observer variability in the assessment of CT coronary angiography and coronary artery calcium score: substudy of the Scottish Computed Tomography of the HEART (SCOT-HEART) trial. <i>Open Heart</i> , 2015 , 2, e000234	3	25
157	Predictors of ^{18}F -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
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- 1 Response by Meah et al to Letter Regarding Article, "Coronary F-Fluoride Uptake and Progression of Coronary Artery Calcification". *Circulation: Cardiovascular Imaging*, **2021**, CIRCIMAGING121012514 3.9