

David E Newby

List of Publications by Year in descending order

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Version: 2024-02-01

321
papers

30,362
citations

4388

86
h-index

5394

164
g-index

352
all docs

352
docs citations

352
times ranked

27196
citing authors

#	ARTICLE	IF	CITATIONS
1	A Randomized Trial of Intensive Lipid-Lowering Therapy in Calcific Aortic Stenosis. New England Journal of Medicine, 2005, 352, 2389-2397.	27.0	951
2	Global association of air pollution and heart failure: a systematic review and meta-analysis. Lancet, The, 2013, 382, 1039-1048.	13.7	929
3	The influence of heart rate on augmentation index and central arterial pressure in humans. Journal of Physiology, 2000, 525, 263-270.	2.9	913
4	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. New England Journal of Medicine, 2018, 379, 924-933.	27.0	898
5	18F-fluoride positron emission tomography for identification of ruptured and high-risk coronary atherosclerotic plaques: a prospective clinical trial. Lancet, The, 2014, 383, 705-713.	13.7	804
6	Expert position paper on air pollution and cardiovascular disease. European Heart Journal, 2015, 36, 83-93.	2.2	646
7	Smoke-free Legislation and Hospitalizations for Acute Coronary Syndrome. New England Journal of Medicine, 2008, 359, 482-491.	27.0	640
8	Adverse cardiovascular effects of air pollution. Nature Clinical Practice Cardiovascular Medicine, 2009, 6, 36-44.	3.3	619
9	Ischemic and Thrombotic Effects of Dilute Diesel-Exhaust Inhalation in Men with Coronary Heart Disease. New England Journal of Medicine, 2007, 357, 1075-1082.	27.0	578
10	Short term exposure to air pollution and stroke: systematic review and meta-analysis. BMJ, The, 2015, 350, h1295.	6.0	558
11	Diesel Exhaust Inhalation Causes Vascular Dysfunction and Impaired Endogenous Fibrinolysis. Circulation, 2005, 112, 3930-3936.	1.6	549
12	Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2012, 60, 1854-1863.	2.8	513
13	Midwall Fibrosis Is an Independent Predictor of Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2011, 58, 1271-1279.	2.8	463
14	Coronary Arterial 18F-Sodium Fluoride Uptake. Journal of the American College of Cardiology, 2012, 59, 1539-1548.	2.8	445
15	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. ACS Nano, 2017, 11, 4542-4552.	14.6	437
16	Endothelin-A Receptor Antagonistâ€Mediated Vasodilatation Is Attenuated by Inhibition of Nitric Oxide Synthesis and by Endothelin-B Receptor Blockade. Circulation, 1998, 97, 752-756.	1.6	427
17	High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. Lancet, The, 2015, 386, 2481-2488.	13.7	422
18	Identifying active vascular microcalcification by 18F-sodium fluoride positron emission tomography. Nature Communications, 2015, 6, 7495.	12.8	385

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19	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.	2.8	367
20	Endothelial Dysfunction, Impaired Endogenous Fibrinolysis, and Cigarette Smoking. <i>Circulation</i> , 1999, 99, 1411-1415.	1.6	355
21	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. <i>Circulation</i> , 2020, 141, 1452-1462.	1.6	348
22	High sensitivity cardiac troponin and the under-diagnosis of myocardial infarction in women: prospective cohort study. <i>BMJ</i> , The, 2015, 350, g7873.	6.0	338
23	Persistent Endothelial Dysfunction in Humans after Diesel Exhaust Inhalation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 395-400.	5.6	334
24	Global evaluation of echocardiography in patients with COVID-19. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 949-958.	1.2	317
25	Calcification in Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2015, 66, 561-577.	2.8	288
26	Vascular Effects of Apelin In Vivo in Man. <i>Journal of the American College of Cardiology</i> , 2008, 52, 908-913.	2.8	280
27	Assessment of Valvular Calcification and Inflammation by Positron Emission Tomography in Patients With Aortic Stenosis. <i>Circulation</i> , 2012, 125, 76-86.	1.6	280
28	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1320-1333.	5.3	280
29	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.	2.8	274
30	Diesel exhaust inhalation increases thrombus formation in man. <i>European Heart Journal</i> , 2008, 29, 3043-3051.	2.2	271
31	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.	7.4	270
32	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.	2.2	268
33	High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. <i>Lancet</i> , The, 2018, 392, 919-928.	13.7	263
34	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. <i>Lancet</i> , The, 2019, 394, 1629-1637.	13.7	263
35	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007146.	2.6	251
36	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. <i>Circulation</i> , 2018, 137, 1236-1245.	1.6	250

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37	Oxidative Stress and Cardiovascular Risk: Obesity, Diabetes, Smoking, and Pollution. Journal of the American College of Cardiology, 2017, 70, 230-251.	2.8	233
38	Reducing Personal Exposure to Particulate Air Pollution Improves Cardiovascular Health in Patients with Coronary Heart Disease. Environmental Health Perspectives, 2012, 120, 367-372.	6.0	231
39	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
40	Impaired Coronary Tissue Plasminogen Activator Release Is Associated With Coronary Atherosclerosis and Cigarette Smoking. Circulation, 2001, 103, 1936-1941.	1.6	224
41	¹⁸ F-Sodium Fluoride Uptake Is a Marker of Active Calcification and Disease Progression in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2014, 7, 371-378.	2.6	210
42	High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis. European Heart Journal, 2014, 35, 2312-2321.	2.2	193
43	Exacerbations of Chronic Obstructive Pulmonary Disease and Cardiac Events. A <i>Post Hoc</i> Cohort Analysis from the SUMMIT Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 51-57.	5.6	192
44	Persistent Long-Term Structural, Functional, and Metabolic Changes After Stress-Induced (Takotsubo) Cardiomyopathy. Circulation, 2018, 137, 1039-1048.	1.6	190
45	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
46	Myocardial and Systemic Inflammation in Acute Stress-Induced (Takotsubo) Cardiomyopathy. Circulation, 2019, 139, 1581-1592.	1.6	188
47	Smooth Muscle Enriched Long Noncoding RNA (<i>SMILR</i>) Regulates Cell Proliferation. Circulation, 2016, 133, 2050-2065.	1.6	182
48	Beneficial cardiovascular effects of reducing exposure to particulate air pollution with a simple facemask. Particle and Fibre Toxicology, 2009, 6, 8.	6.2	178
49	Particle Traps Prevent Adverse Vascular and Prothrombotic Effects of Diesel Engine Exhaust Inhalation in Men. Circulation, 2011, 123, 1721-1728.	1.6	178
50	Combustion-derived nanoparticulate induces the adverse vascular effects of diesel exhaust inhalation. European Heart Journal, 2011, 32, 2660-2671.	2.2	172
51	Vascular Dysfunction in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 513-520.	5.6	161
52	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 283-296.	5.3	161
53	Abdominal Aortic Aneurysm Growth Predicted by Uptake of Ultrasmall Superparamagnetic Particles of Iron Oxide. Circulation: Cardiovascular Imaging, 2011, 4, 274-281.	2.6	153
54	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. Circulation, 2017, 135, 1586-1596.	1.6	153

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55	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
56	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
57	Ultrasmall Superparamagnetic Particles of Iron Oxide in Patients With Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2012, 5, 559-565.	2.6	148
58	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007451.	2.6	139
59	Peri-Coronary Adipose Tissue Density Is Associated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	5.3	129
60	Role of inflammation in cardiopulmonary health effects of PM. Toxicology and Applied Pharmacology, 2005, 207, 483-488.	2.8	125
61	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. Circulation, 2020, 141, 161-171.	1.6	124
62	Experimental exposure to diesel exhaust increases arterial stiffness in man. Particle and Fibre Toxicology, 2009, 6, 7.	6.2	122
63	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. Circulation, 2017, 136, 787-797.	1.6	122
64	18F-Sodium Fluoride Uptake in Abdominal Aortic Aneurysms. Journal of the American College of Cardiology, 2018, 71, 513-523.	2.8	122
65	Late Outgrowth Endothelial Cells Resemble Mature Endothelial Cells and Are Not Derived from Bone Marrow. Stem Cells, 2013, 31, 338-348.	3.2	121
66	Bradykinin Contributes to the Vasodilator Effects of Chronic Angiotensin-Converting Enzyme Inhibition in Patients With Heart Failure. Circulation, 2001, 104, 2177-2181.	1.6	117
67	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. Circulation, 2014, 130, 1607-1616.	1.6	116
68	Direct Impairment of Vascular Function by Diesel Exhaust Particulate through Reduced Bioavailability of Endothelium-Derived Nitric Oxide Induced by Superoxide Free Radicals. Environmental Health Perspectives, 2009, 117, 611-616.	6.0	114
69	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. Circulation Research, 2016, 119, 330-340.	4.5	114
70	Stimulated Tissue Plasminogen Activator Release as a Marker of Endothelial Function in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2470-2479.	2.4	110
71	Understanding the Role of Endothelial Progenitor Cells in Percutaneous Coronary Intervention. Journal of the American College of Cardiology, 2010, 55, 1553-1565.	2.8	110
72	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. Journal of the American College of Cardiology, 2019, 73, 1107-1119.	2.8	110

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73	Exposure to Concentrated Ambient Particles Does Not Affect Vascular Function in Patients with Coronary Heart Disease. <i>Environmental Health Perspectives</i> , 2008, 116, 709-715.	6.0	106
74	Diesel exhaust particulate increases the size and complexity of lesions in atherosclerotic mice. <i>Particle and Fibre Toxicology</i> , 2013, 10, 61.	6.2	103
75	Translational promise of the apelin-APJ system. <i>Heart</i> , 2010, 96, 1011-1016.	2.9	101
76	Sustained Cardiovascular Actions of APJ Agonism During Renin-Â“Angiotensin System Activation and in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , 2013, 6, 482-491.	3.9	101
77	In Vivo Mononuclear Cell Tracking Using Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 509-517.	2.6	100
78	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.	4.5	100
79	Coronary 18F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 75, 3061-3074.	2.8	100
80	Impaired vascular function after exposure to diesel exhaust generated at urban transient running conditions. <i>Particle and Fibre Toxicology</i> , 2010, 7, 19.	6.2	99
81	Exposure to wood smoke increases arterial stiffness and decreases heart rate variability in humans. <i>Particle and Fibre Toxicology</i> , 2013, 10, 20.	6.2	99
82	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With StableÂ“Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2058-2070.	2.8	99
83	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: British Medical Journal</i> , 2019, 365, l1945.	2.3	99
84	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, 2983-2985.	1.6	98
85	Air pollution and cardiovascular disease: car sick. <i>Cardiovascular Research</i> , 2020, 116, 279-294.	3.8	95
86	Takotsubo Syndrome: Pathophysiology, Emerging Concepts, and Clinical Implications. <i>Circulation</i> , 2022, 145, 1002-1019.	1.6	93
87	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. <i>BMJ: British Medical Journal</i> , 2017, 359, j4788.	2.3	92
88	¹⁸ 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.	2.6	92
89	¹⁸ F-Fluoride and ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography After Transient Ischemic Attack or Minor Ischemic Stroke. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	91
90	Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure. <i>Heart</i> , 2021, 107, 1032-1038.	2.9	90

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91	Transcatheter Aortic Heart Valves. JACC: Cardiovascular Imaging, 2019, 12, 135-145.	5.3	89
92	Valvular 18F-Fluoride and 18F-Fluorodeoxyglucose Uptake Predict Disease Progression and Clinical Outcome in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2015, 66, 1200-1201.	2.8	88
93	Air Pollution and Atherothrombosis. Inhalation Toxicology, 2007, 19, 81-89.	1.6	87
94	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
95	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
96	Cardiovascular Effects of a Novel SIRT1 Activator, SRT2104, in Otherwise Healthy Cigarette Smokers. Journal of the American Heart Association, 2013, 2, e000042.	3.7	82
97	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
98	An in vivo Model for the Assessment of Acute Fibrinolytic Capacity of the Endothelium. Thrombosis and Haemostasis, 1997, 78, 1242-1248.	3.4	80
99	Cardiovascular effects of tumour necrosis factor α antagonism in patients with acute myocardial infarction: a first in human study. Heart, 2013, 99, 1330-1335.	2.9	79
100	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
101	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
102	Non-invasive measures of pulse wave velocity correlate with coronary arterial plaque load in humans. Journal of Hypertension, 2004, 22, 363-368.	0.5	75
103	Motion Correction of ^{18}F -NaF PET for Imaging Coronary Atherosclerotic Plaques. Journal of Nuclear Medicine, 2016, 57, 54-59.	5.0	74
104	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
105	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
106	Systemic Atherosclerotic Inflammation Following Acute Myocardial Infarction: Myocardial Infarction Begets Myocardial Infarction. Journal of the American Heart Association, 2015, 4, e001956.	3.7	69
107	Diesel exhaust inhalation does not affect heart rhythm or heart rate variability. Heart, 2011, 97, 544-550.	2.9	66
108	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression. Journal of the American College of Cardiology, 2022, 79, 223-233.	2.8	66

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109	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
110	Pulmonary diesel particulate increases susceptibility to myocardial ischemia/reperfusion injury via activation of sensory TRPV1 and Î²1 adrenoreceptors. Particle and Fibre Toxicology, 2014, 11, 12.	6.2	63
111	Comparison of International Guidelinesâfor Assessment of SuspectedâStable Angina. JACC: Cardiovascular Imaging, 2018, 11, 1301-1310.	5.3	63
112	Disease Activity in Mitral Annular Calcification. Circulation: Cardiovascular Imaging, 2019, 12, e008513.	2.6	63
113	Fire Simulation and Cardiovascular Health in Firefighters. Circulation, 2017, 135, 1284-1295.	1.6	62
114	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
115	Optimization and Reproducibility of Aortic Valve 18F-Fluoride Positron Emission Tomography in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	61
116	Ablation of the androgen receptor from vascular smooth muscle cells demonstrates a role for testosterone in vascular calcification. Scientific Reports, 2016, 6, 24807.	3.3	61
117	MR/PET Imaging of the CardiovascularâSystem. JACC: Cardiovascular Imaging, 2017, 10, 1165-1179.	5.3	61
118	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
119	Neutral Endopeptidase Inhibition Augments Vascular Actions of Bradykinin in Patients Treated With Angiotensin-Converting Enzyme Inhibition. Hypertension, 2004, 44, 913-918.	2.7	60
120	Altered Endothelin-1 Vasoreactivity in Patients with Untreated Normal-Pressure Glaucoma. , 2006, 47, 2528.		59
121	Altered Nitric Oxide Bioavailability Contributes to Diesel Exhaust Inhalationâ€Induced Cardiovascular Dysfunction in Man. Journal of the American Heart Association, 2013, 2, e004309.	3.7	59
122	Unraveling Vascular Inflammation. Journal of the American College of Cardiology, 2017, 70, 1403-1412.	2.8	59
123	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. Journal of Bone and Mineral Research, 2020, 35, 357-367.	2.8	59
124	The l-arginine/nitric oxide pathway contributes to the acute release of tissue plasminogen activator in vivo in man. Cardiovascular Research, 1998, 38, 485-492.	3.8	56
125	Computed Tomography and CardiacâMagnetic Resonance in IschemicâHeartâDisease. Journal of the American College of Cardiology, 2016, 68, 2201-2216.	2.8	56
126	Diagnostic Strategies for the EvaluationâofâChest Pain. Journal of the American College of Cardiology, 2016, 67, 843-852.	2.8	56

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127	Exposure to nitrogen dioxide is not associated with vascular dysfunction in man. Inhalation Toxicology, 2010, 22, 192-198.	1.6	55
128	Protein corona formation in bronchoalveolar fluid enhances diesel exhaust nanoparticle uptake and pro-inflammatory responses in macrophages. Nanotoxicology, 2016, 10, 981-991.	3.0	55
129	Diesel Exhaust Particulate-Exposed Macrophages Cause Marked Endothelial Cell Activation. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 840-851.	2.9	53
130	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. Trials, 2012, 13, 184.	1.6	52
131	Contribution of Endothelin 1 to the Vascular Effects of Diesel Exhaust Inhalation in Humans. Hypertension, 2009, 54, 910-915.	2.7	51
132	Ferumoxitol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. Heart, 2017, 103, 1528-1535.	2.9	50
133	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
134	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
135	Endothelial Fibrinolytic Capacity Predicts Future Adverse Cardiovascular Events in Patients With Coronary Heart Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1651-1656.	2.4	48
136	Imaging of coronary atherosclerosis - evolution towards new treatment strategies. Nature Reviews Cardiology, 2016, 13, 533-548.	13.7	47
137	CARMN Loss Regulates Smooth Muscle Cells and Accelerates Atherosclerosis in Mice. Circulation Research, 2021, 128, 1258-1275.	4.5	47
138	Diesel exhaust particulate induces pulmonary and systemic inflammation in rats without impairing endothelial function ex vivo or in vivo. Particle and Fibre Toxicology, 2012, 9, 9.	6.2	46
139	Risk Stratification in Patients With Aortic Stenosis Using Novel Imaging Approaches. Circulation: Cardiovascular Imaging, 2015, 8, e003421.	2.6	46
140	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 697-713.	2.4	46
141	Eosinophil Deficiency Promotes Aberrant Repair and Adverse Remodeling Following Acute Myocardial Infarction. JACC Basic To Translational Science, 2020, 5, 665-681.	4.1	46
142	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
143	Potentiation of bradykinin-induced tissue plasminogen activator release by angiotensin-converting enzyme inhibition. Journal of the American College of Cardiology, 2001, 38, 1402-1408.	2.8	45
144	Marked bradykinin-induced tissue plasminogen activator release in patients with heart failure maintained on long-term angiotensin-converting enzyme inhibitor therapy. Journal of the American College of Cardiology, 2002, 40, 961-966.	2.8	45

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145	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary ^{18}F -NaF PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2610-2620.	6.4	45
146	Three-Hour Delayed Imaging Improves Assessment of Coronary ^{18}F -Sodium Fluoride PET. <i>Journal of Nuclear Medicine</i> , 2019, 60, 530-535.	5.0	44
147	Platelet activation independent of pulmonary inflammation contributes to diesel exhaust particulate-induced promotion of arterial thrombosis. <i>Particle and Fibre Toxicology</i> , 2015, 13, 6.	6.2	43
148	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 494-504.	2.1	43
149	Coronary ^{18}F -Fluoride Uptake and Progression of Coronary Artery Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011438.	2.6	43
150	Evaluating Medical Therapy for Calcific Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2021, 78, 2354-2376.	2.8	43
151	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.	7.1	41
152	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.	2.3	41
153	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.	2.2	41
154	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.	2.9	41
155	Vascular and plaque imaging with ultrasmall superparamagnetic particles of iron oxide. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 83.	3.3	40
156	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.	2.9	40
157	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, 1585-1590.	2.8	38
158	Novel high-sensitivity cardiac troponin I assay in patients with suspected acute coronary syndrome. <i>Heart</i> , 2019, 105, heartjnl-2018-314093.	2.9	38
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265	Positron emission tomography imaging of coronary atherosclerosis. <i>Future Cardiology</i> , 2016, 12, 483-496.	1.2	9
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