

David E Newby

List of Publications by Year in descending order

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Version: 2024-02-01

321
papers

30,362
citations

5126

86
h-index

6177

164
g-index

352
all docs

352
docs citations

352
times ranked

29444
citing authors

#	ARTICLE	IF	CITATIONS
1	A Randomized Trial of Intensive Lipid-Lowering Therapy in Calcific Aortic Stenosis. <i>New England Journal of Medicine</i> , 2005, 352, 2389-2397.	13.9	951
2	Global association of air pollution and heart failure: a systematic review and meta-analysis. <i>Lancet, The</i> , 2013, 382, 1039-1048.	6.3	929
3	The influence of heart rate on augmentation index and central arterial pressure in humans. <i>Journal of Physiology</i> , 2000, 525, 263-270.	1.3	913
4	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. <i>New England Journal of Medicine</i> , 2018, 379, 924-933.	13.9	898
5	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, 705-713.	6.3	804
6	Expert position paper on air pollution and cardiovascular disease. <i>European Heart Journal</i> , 2015, 36, 83-93.	1.0	646
7	Smoke-free Legislation and Hospitalizations for Acute Coronary Syndrome. <i>New England Journal of Medicine</i> , 2008, 359, 482-491.	13.9	640
8	Adverse cardiovascular effects of air pollution. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2009, 6, 36-44.	3.3	619
9	Ischemic and Thrombotic Effects of Dilute Diesel-Exhaust Inhalation in Men with Coronary Heart Disease. <i>New England Journal of Medicine</i> , 2007, 357, 1075-1082.	13.9	578
10	Short term exposure to air pollution and stroke: systematic review and meta-analysis. <i>BMJ, The</i> , 2015, 350, h1295.	3.0	558
11	Diesel Exhaust Inhalation Causes Vascular Dysfunction and Impaired Endogenous Fibrinolysis. <i>Circulation</i> , 2005, 112, 3930-3936.	1.6	549
12	Calcific Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1854-1863.	1.2	513
13	Midwall Fibrosis Is an Independent Predictor of Mortality in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2011, 58, 1271-1279.	1.2	463
14	Coronary Arterial ¹⁸ F-Sodium Fluoride Uptake. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1539-1548.	1.2	445
15	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. <i>ACS Nano</i> , 2017, 11, 4542-4552.	7.3	437
16	Endothelin-A Receptor Antagonistâ€‘Mediated Vasodilatation Is Attenuated by Inhibition of Nitric Oxide Synthesis and by Endothelin-B Receptor Blockade. <i>Circulation</i> , 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. <i>Lancet, The</i> , 2015, 386, 2481-2488.	6.3	422
18	Identifying active vascular microcalcification by ¹⁸ F-sodium fluoride positron emission tomography. <i>Nature Communications</i> , 2015, 6, 7495.	5.8	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.	1.2	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.	3.0	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.	2.5	334
24	Global evaluation of echocardiography in patients with COVID-19. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 949-958.	0.5	317
25	Calcification in Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2015, 66, 561-577.	1.2	288
26	Vascular Effects of Apelin In Vivo in Man. <i>Journal of the American College of Cardiology</i> , 2008, 52, 908-913.	1.2	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.	2.3	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.	1.2	274
30	Diesel exhaust inhalation increases thrombus formation in man. <i>European Heart Journal</i> , 2008, 29, 3043-3051.	1.0	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.	3.8	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.	1.0	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.	6.3	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.	6.3	263
35	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007146.	1.3	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. <i>Journal of the American College of Cardiology</i> , 2017, 70, 230-251.	1.2	233
38	Reducing Personal Exposure to Particulate Air Pollution Improves Cardiovascular Health in Patients with Coronary Heart Disease. <i>Environmental Health Perspectives</i> , 2012, 120, 367-372.	2.8	231
39	The Updated NICE Guidelines: Cardiac CT as the First-Line Test for Coronary Artery Disease. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 15.	0.4	227
40	Impaired Coronary Tissue Plasminogen Activator Release Is Associated With Coronary Atherosclerosis and Cigarette Smoking. <i>Circulation</i> , 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. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 371-378.	1.3	210
42	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, 2312-2321.	1.0	193
43	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.	2.5	192
44	Persistent Long-Term Structural, Functional, and Metabolic Changes After Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 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. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1913.	3.8	188
46	Myocardial and Systemic Inflammation in Acute Stress-Induced (Takotsubo) Cardiomyopathy. <i>Circulation</i> , 2019, 139, 1581-1592.	1.6	188
47	Smooth Muscle Enriched Long Noncoding RNA (<i>SMILR</i>) Regulates Cell Proliferation. <i>Circulation</i> , 2016, 133, 2050-2065.	1.6	182
48	Beneficial cardiovascular effects of reducing exposure to particulate air pollution with a simple facemask. <i>Particle and Fibre Toxicology</i> , 2009, 6, 8.	2.8	178
49	Particle Traps Prevent Adverse Vascular and Prothrombotic Effects of Diesel Engine Exhaust Inhalation in Men. <i>Circulation</i> , 2011, 123, 1721-1728.	1.6	178
50	Combustion-derived nanoparticulate induces the adverse vascular effects of diesel exhaust inhalation. <i>European Heart Journal</i> , 2011, 32, 2660-2671.	1.0	172
51	Vascular Dysfunction in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 513-520.	2.5	161
52	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 283-296.	2.3	161
53	Abdominal Aortic Aneurysm Growth Predicted by Uptake of Ultrasmall Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 274-281.	1.3	153
54	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. <i>Circulation</i> , 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 angliOgraphy iN daily practice in 2017 (PROTECTION VI). <i>European Heart Journal</i> , 2018, 39, 3715-3723.	1.0	149
56	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.	0.7	149
57	Ultrasmlal Superparamagnetic Particles of Iron Oxide in Patients With Acute Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 559-565.	1.3	148
58	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007451.	1.3	139
59	Peri-Coronary Adipose Tissue Density Is Associated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2000-2010.	2.3	129
60	Role of inflammation in cardiopulmonary health effects of PM. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 483-488.	1.3	125
61	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. <i>Circulation</i> , 2020, 141, 161-171.	1.6	124
62	Experimental exposure to diesel exhaust increases arterial stiffness in man. <i>Particle and Fibre Toxicology</i> , 2009, 6, 7.	2.8	122
63	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. <i>Circulation</i> , 2017, 136, 787-797.	1.6	122
64	18F-Sodium Fluoride Uptake in Abdominal Aortic Aneurysms. <i>Journal of the American College of Cardiology</i> , 2018, 71, 513-523.	1.2	122
65	Late Outgrowth Endothelial Cells Resemble Mature Endothelial Cells and Are Not Derived from Bone Marrow. <i>Stem Cells</i> , 2013, 31, 338-348.	1.4	121
66	Bradykinin Contributes to the Vasodilator Effects of Chronic Angiotensin-Converting Enzyme Inhibition in Patients With Heart Failure. <i>Circulation</i> , 2001, 104, 2177-2181.	1.6	117
67	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. <i>Circulation</i> , 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. <i>Environmental Health Perspectives</i> , 2009, 117, 611-616.	2.8	114
69	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. <i>Circulation Research</i> , 2016, 119, 330-340.	2.0	114
70	Stimulated Tissue Plasminogen Activator Release as a Marker of Endothelial Function in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2470-2479.	1.1	110
71	Understanding the Role of Endothelial Progenitor Cells in Percutaneous Coronary Intervention. <i>Journal of the American College of Cardiology</i> , 2010, 55, 1553-1565.	1.2	110
72	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1107-1119.	1.2	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.	2.8	106
74	Diesel exhaust particulate increases the size and complexity of lesions in atherosclerotic mice. <i>Particle and Fibre Toxicology</i> , 2013, 10, 61.	2.8	103
75	Translational promise of the apelin-APJ system. <i>Heart</i> , 2010, 96, 1011-1016.	1.2	101
76	Sustained Cardiovascular Actions of APJ Agonism During Renin-angiotensin System Activation and in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , 2013, 6, 482-491.	1.6	101
77	In Vivo Mononuclear Cell Tracking Using Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 509-517.	1.3	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.	2.0	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.	1.2	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.	2.8	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.	2.8	99
82	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.	1.2	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.	2.4	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.	1.8	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.	2.4	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.	1.3	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, .	1.3	91
90	Sodium-glucose co-transporter 2 inhibitor therapy: mechanisms of action in heart failure. <i>Heart</i> , 2021, 107, 1032-1038.	1.2	90

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91	Transcatheter Aortic Heart Valves. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 135-145.	2.3	89
92	Valvular 18F-Fluoride and 18F-Fluorodeoxyglucose Uptake Predict Disease Progression and Clinical Outcome in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1200-1201.	1.2	88
93	Air Pollution and Atherothrombosis. <i>Inhalation Toxicology</i> , 2007, 19, 81-89.	0.8	87
94	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.	5.9	85
95	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.	1.2	84
96	Cardiovascular Effects of a Novel SIRT1 Activator, SRT2104, in Otherwise Healthy Cigarette Smokers. <i>Journal of the American Heart Association</i> , 2013, 2, e000042.	1.6	82
97	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.	1.6	80
98	An in vivo Model for the Assessment of Acute Fibrinolytic Capacity of the Endothelium. <i>Thrombosis and Haemostasis</i> , 1997, 78, 1242-1248.	1.8	80
99	Cardiovascular effects of tumour necrosis factor α antagonism in patients with acute myocardial infarction: a first in human study. <i>Heart</i> , 2013, 99, 1330-1335.	1.2	79
100	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.	1.1	79
101	High-Sensitivity Troponin and the Application of Risk Stratification Thresholds in Patients With Suspected Acute Coronary Syndrome. <i>Circulation</i> , 2019, 140, 1557-1568.	1.6	79
102	Non-invasive measures of pulse wave velocity correlate with coronary arterial plaque load in humans. <i>Journal of Hypertension</i> , 2004, 22, 363-368.	0.3	75
103	Motion Correction of ¹⁸ F-NaF PET for Imaging Coronary Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2016, 57, 54-59.	2.8	74
104	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.	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. <i>American Heart Journal</i> , 2019, 212, 91-100.	1.2	74
106	Systemic Atherosclerotic Inflammation Following Acute Myocardial Infarction: Myocardial Infarction Begets Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2015, 4, e001956.	1.6	69
107	Diesel exhaust inhalation does not affect heart rhythm or heart rate variability. <i>Heart</i> , 2011, 97, 544-550.	1.2	66
108	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression. <i>Journal of the American College of Cardiology</i> , 2022, 79, 223-233.	1.2	66

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109	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.	2.0	64
110	Pulmonary diesel particulate increases susceptibility to myocardial ischemia/reperfusion injury via activation of sensory TRPV1 and I^21 adrenoreceptors. <i>Particle and Fibre Toxicology</i> , 2014, 11, 12.	2.8	63
111	Comparison of International Guidelines for Assessment of Suspected Stable Angina. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1301-1310.	2.3	63
112	Disease Activity in Mitral Annular Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008513.	1.3	63
113	Fire Simulation and Cardiovascular Health in Firefighters. <i>Circulation</i> , 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. <i>Chest</i> , 2017, 151, 555-563.	0.4	62
115	Optimization and Reproducibility of Aortic Valve ^{18}F -Fluoride Positron Emission Tomography in Patients With Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	61
116	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.	1.6	61
117	MR/PET Imaging of the Cardiovascular System. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1165-1179.	2.3	61
118	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.	1.6	61
119	Neutral Endopeptidase Inhibition Augments Vascular Actions of Bradykinin in Patients Treated With Angiotensin-Converting Enzyme Inhibition. <i>Hypertension</i> , 2004, 44, 913-918.	1.3	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 Inhalation-Induced Cardiovascular Dysfunction in Man. <i>Journal of the American Heart Association</i> , 2013, 2, e004309.	1.6	59
122	Unraveling Vascular Inflammation. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1403-1412.	1.2	59
123	Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 357-367.	3.1	59
124	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, 485-492.	1.8	56
125	Computed Tomography and Cardiac Magnetic Resonance in Ischemic Heart Disease. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2201-2216.	1.2	56
126	Diagnostic Strategies for the Evaluation of Chest Pain. <i>Journal of the American College of Cardiology</i> , 2016, 67, 843-852.	1.2	56

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127	Exposure to nitrogen dioxide is not associated with vascular dysfunction in man. <i>Inhalation Toxicology</i> , 2010, 22, 192-198.	0.8	55
128	Protein corona formation in bronchoalveolar fluid enhances diesel exhaust nanoparticle uptake and pro-inflammatory responses in macrophages. <i>Nanotoxicology</i> , 2016, 10, 981-991.	1.6	55
129	Diesel Exhaust Particulate-Exposed Macrophages Cause Marked Endothelial Cell Activation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 840-851.	1.4	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. <i>Trials</i> , 2012, 13, 184.	0.7	52
131	Contribution of Endothelin 1 to the Vascular Effects of Diesel Exhaust Inhalation in Humans. <i>Hypertension</i> , 2009, 54, 910-915.	1.3	51
132	Ferumoxitol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. <i>Heart</i> , 2017, 103, 1528-1535.	1.2	50
133	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.	0.5	50
134	Whole-vessel coronary 18F-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.	3.3	50
135	Endothelial Fibrinolytic Capacity Predicts Future Adverse Cardiovascular Events in Patients With Coronary Heart Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1651-1656.	1.1	48
136	Imaging of coronary atherosclerosis - evolution towards new treatment strategies. <i>Nature Reviews Cardiology</i> , 2016, 13, 533-548.	6.1	47
137	<i>CARMN</i> Loss Regulates Smooth Muscle Cells and Accelerates Atherosclerosis in Mice. <i>Circulation Research</i> , 2021, 128, 1258-1275.	2.0	47
138	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.	2.8	46
139	Risk Stratification in Patients With Aortic Stenosis Using Novel Imaging Approaches. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003421.	1.3	46
140	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 697-713.	1.1	46
141	Eosinophil Deficiency Promotes Aberrant Repair and Adverse Remodeling Following Acute Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2020, 5, 665-681.	1.9	46
142	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1078-1088.	2.3	46
143	Potential of bradykinin-induced tissue plasminogen activator release by angiotensin-converting enzyme inhibition. <i>Journal of the American College of Cardiology</i> , 2001, 38, 1402-1408.	1.2	45
144	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, 961-966.	1.2	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.	3.3	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.	2.8	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.	2.8	43
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239	Imaging aortic wall inflammation. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 440-448.	2.3	14
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246	Acute Effects of Glucocorticoids on Endothelial Fibrinolytic and Vasodilator Function in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 321-326.	0.8	13
247	Diagnostic Applications of Ultrasmall Superparamagnetic Particles of Iron Oxide for Imaging Myocardial and Vascular Inflammation. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1249-1264.	2.3	13
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254	Effects of acute methionine loading and vitamin C on endogenous fibrinolysis, endothelium-dependent vasomotion and platelet aggregation. <i>Clinical Science</i> , 2001, 100, 127.	1.8	11
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260	Vascular and fibrinolytic effects of intra-arterial tumour necrosis factor- α in patients with coronary heart disease. <i>Clinical Science</i> , 2006, 110, 353-360.	1.8	10
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267	Invasive assessment of the coronary circulation: intravascular ultrasound and Doppler. <i>British Journal of Clinical Pharmacology</i> , 2002, 53, 561-575.	1.1	8
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273	Preserved endothelial vasomotion and fibrinolytic function in patients with acute stent thrombosis or in-stent restenosis. <i>Thrombosis Research</i> , 2003, 111, 343-349.	0.8	6
274	Vascular B1 Kinin Receptors in Patients With Congestive Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 52, 438-444.	0.8	6
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286	Can intensive statin therapy cause regression of coronary atherosclerosis?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2006, 3, 354-355.	3.3	4
287	Road Repairs. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2266-2268.	1.1	4
288	Coronary Computed Tomography Angiography Improving Outcomes in Patients with Chest Pain. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 15.	0.4	4

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290	Cardiovascular professional societies fall short in providing impartial, clear and evidence-based guidelines. <i>Heart</i> , 2021, 107, 940-942.	1.2	4
291	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.	0.9	4
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293	Imaging Biomarkers for Abdominal Aortic Aneurysms. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008917.	1.3	3
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