Nicholas L Mills

List of Publications by Year
in descending order

194 papers	18,654 citations	15880 67 h-index	14386 132 g-index
213 all docs	213 docs citations	213 times ranked	20044 citing authors

#	Article	IF	Citations
1	High-sensitivity Cardiac Troponin Is Not Associated With Acute Cellular Rejection After Heart Transplantation. Transplantation, 2022, 106, 1024-1030.	0.5	6
2	Risk factors for type 1 and type 2 myocardial infarction. European Heart Journal, 2022, 43, 127-135.	1.0	33
3	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	0.5	21
4	Blood and imaging biomarkers in type 2 myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 269-271.	0.4	1
5	Risks of myocarditis, pericarditis, and cardiac arrhythmias associated with COVID-19 vaccination or SARS-CoV-2 infection. Nature Medicine, 2022, 28, 410-422.	15.2	392
6	Coronary Artery and Cardiac Disease in Patients With Type 2 Myocardial Infarction: A Prospective Cohort Study. Circulation, 2022, 145, 1188-1200.	1.6	32
7	High-Sensitivity Troponin I after Cardiac Surgery and 30-Day Mortality. New England Journal of Medicine, 2022, 386, 827-836.	13.9	69
8	High-sensitivity cardiac troponin and the diagnosis of myocardial infarction in patients with kidney impairment. Kidney International, 2022, 102, 149-159.	2.6	9
9	Validation of the myocardial-ischaemic-injury-index machine learning algorithm to guide the diagnosis of myocardial infarction in a heterogenous population: a prespecified exploratory analysis. The Lancet Digital Health, 2022, 4, e300-e308.	5.9	18
10	The origin and future of cardiac troponin testing. European Heart Journal: Acute Cardiovascular Care, 2022, 11, e1-e2.	0.4	4
11	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	0.9	6
12	The clinical approach to diagnosing peri-procedural myocardial infarction after percutaneous coronary interventions according to the fourth universal definition of myocardial infarction â€“ from the study group on biomarkers of the European Society of Cardiology (ESC) Association for Acute CardioVascular Care (ACVC). Biomarkers, 2022, 27, 407-417.	0.9	3
13	Presentation cardiac troponin and early computed tomography coronary angiography in patients with suspected acute coronary syndrome: a pre-specified secondary analysis of the RAPID-CTCA trial. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 570-579.	0.4	2
14	Environmental Triggers of Acute Coronary Syndromes. Circulation, 2022, 145, 1761-1763.	1.6	1
15	Assessment of Oxygen Supply-Demand Imbalance and Outcomes Among Patients With Type 2 Myocardial Infarction. JAMA Network Open, 2022, 5, e2220162.	2.8	6
16	Divergent confidence intervals among pre-specified analyses in the HiSTORIC stepped wedge trial: An exploratory post-hoc investigation. PLoS ONE, 2022, 17, e0271027.	1.1	0
17	Performance of the GRACE 2.0 score in patients with type 1 and type 2 myocardial infarction. European Heart Journal, 2021, 42, 2552-2561.	1.0	45
18	The 2020 European Society of Cardiology non-ST-segment elevation acute coronary syndromes guideline: the good, the bad and the ugly. Heart, 2021, 107, 444-446.	1.2	2

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19	Ten Years of High-Sensitivity Cardiac Troponin Testing: Impact on the Diagnosis of Myocardial Infarction. Clinical Chemistry, 2021, 67, 324-326.	1.5	1
20	EACVI survey on investigations and imaging modalities in chronic coronary syndromes. European Heart Journal Cardiovascular Imaging, 2021, 22, 1-7.	0.5	13
21	ESC Study Group on Cardiac Biomarkers of the Association for Acute CardioVascular Care: A fond farewell at the retirement of CKMB. European Heart Journal, 2021, 42, 2260-2264.	1.0	23
22	MINOCA: a heterogenous group of conditions associated with myocardial damage. Heart, 2021, 107, 1458-1464.	1.2	18
23	Generation of a Novel In Vitro Model to Study Endothelial Dysfunction from Atherothrombotic Specimens. Cardiovascular Drugs and Therapy, 2021, 35, 1281-1290.	1.3	5
24	Cardiovascular biomarkers in patients with COVID-19. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 310-319.	0.4	44
25	Rapid Cardiac Troponin Release After Transient Ischemia. Circulation, 2021, 143, 1105-1108.	1.6	13
26	Sex differences in investigations and outcomes among patients with type 2 myocardial infarction. Heart, 2021, 107, 1480-1486.	1.2	9
27	Chest pain presentations to hospital during the COVID-19 lockdown: Lessons for public health media campaigns. PLoS ONE, 2021, 16, e0249389.	1.1	13
28	Effect of hypoglycaemia on measures of myocardial blood flow and myocardial injury in adults with and without type 1 diabetes: A prospective, randomised, openâ€label, blinded endpoint, crossâ€over study. Endocrinology, Diabetes and Metabolism, 2021, 4, e00258.	1.0	0
29	Cardiovascular biomarkers in COVID-19. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 473-474.	0.4	3
30	Diagnosis, Investigation and Management of Patients with Acute and Chronic Myocardial Injury. Journal of Clinical Medicine, 2021, 10, 2331.	1.0	7
31	The Ambulance Cardiac Chest Pain Evaluation in Scotland Study (ACCESS): A Prospective Cohort Study. Annals of Emergency Medicine, 2021, 77, 575-588.	0.3	14
32	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
33	Acute cardiovascular effects of controlled exposure to dilute Petrodiesel and biodiesel exhaust in healthy volunteers: a crossover study. Particle and Fibre Toxicology, 2021, 18, 22.	2.8	12
34	Latin American guideline shows the way. Heart, 2021, 107, 1442-1443.	1.2	1
35	Sex Differences in Cardiac Troponin I and T and the Prediction of Cardiovascular Events in the General Population. Clinical Chemistry, 2021, 67, 1351-1360.	1.5	30
36	Mechanisms of Myocardial Injury in COVID-19. Clinical Chemistry, 2021, 67, 1044-1046.	1.5	7

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37	Rapid diagnostic algorithms for non-ST-segment elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 825-827.	0.4	0
38	Cardiac Troponin Thresholds and Kinetics to Differentiate Myocardial Injury and Myocardial Infarction. Circulation, 2021, 144, 528-538.	1.6	39
39	Clinical burden, risk factor impact and outcomes following myocardial infarction and stroke: A 25-year individual patient level linkage study. Lancet Regional Health - Europe, The, 2021, 7, 100141.	3.0	18
40	Population Screening With Coronary Computed Tomography Angiography and the Prevention of Coronary Events. Circulation, 2021, 144, 930-933.	1.6	5
41	Use of High-Sensitivity Cardiac Troponin in Patients With Kidney Impairment. JAMA Internal Medicine, 2021, 181, 1237.	2.6	9
42	Implementing an early rule-out pathway for acute myocardial infarction in clinical practice. Heart, 2021, 107, 1912-1919.	1.2	8
43	Infective Endocarditis Hospitalizations and Outcomes in Patients With Endâ€Stage Kidney Disease: A Nationwide Dataâ€Linkage Study. Journal of the American Heart Association, 2021, 10, e022002.	1.6	5
44	Troponin-Guided Coronary Computed Tomographic Angiography After Exclusion of Myocardial Infarction. Journal of the American College of Cardiology, 2021, 78, 1407-1417.	1.2	21
45	OUP accepted manuscript. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 963-965.	0.4	6
46	Optimizing the Use of High-Sensitivity Troponin Assays for the Early Rule-out of Myocardial Infarction in Patients Presenting with Chest Pain: A Systematic Review. Clinical Chemistry, 2021, 67, 237-244.	1.5	17
47	Serial troponin measurements to monitor risk and response to endothelin A antagonism in chronic kidney disease. Nephrology Dialysis Transplantation, 2021, 36, 375-377.	0.4	1
48	Implementation of an early rule-out pathway for myocardial infarction using a high-sensitivity cardiac troponin T assay. Open Heart, 2021, 8, e001769.	0.9	7
49	Could High-Sensitivity Cardiac Troponin Testing Rule Out Acute Myocardial Infarction in the Prehospital Setting?. Journal of the American College of Cardiology, 2021, 78, 2392-2394.	1.2	1
50	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. Circulation, 2020, 141, 161-171.	1.6	124
51	Ticagrelor to Reduce Myocardial Injury inÂPatients With High-Risk Coronary Artery Plaque. JACC: Cardiovascular Imaging, 2020, 13, 1549-1560.	2.3	26
52	Effect of Exercise Intensity and Duration on Cardiac Troponin Release. Circulation, 2020, 141, 83-85.	1.6	26
53	Monitoring indirect impact of COVID-19 pandemic on services for cardiovascular diseases in the UK. Heart, 2020, 106, 1890-1897.	1.2	90
54	Adverse health effects associated with household air pollution: a systematic review, meta-analysis, and burden estimation study. The Lancet Global Health, 2020, 8, e1427-e1434.	2.9	234

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55	High-Sensitivity Cardiac Troponin Concentrations at Presentation in Patients With ST-Segment Elevation Myocardial Infarction. JAMA Cardiology, 2020, 5, 1302.	3.0	23
56	High-Sensitivity Cardiac Troponinâ€"Optimizing the Diagnosis of Acute Myocardial Infarction/Injury in Women (CODE-MI): Rationale and design for a multicenter, stepped-wedge, cluster-randomized trial. American Heart Journal, 2020, 229, 18-28.	1.2	11
57	Early rule-out pathways for myocardial infarction: is observational data enough?. Heart, 2020, 106, 1545-1546.	1.2	2
58	Response to: â€˜Convalescent troponin and cardiovascular death following acute coronary syndromeâ€™ by Kawada. Heart, 2020, 106, 545.2-546.	1.2	0
59	Exploring Patient Experience of Chest Pain BeforeÂand After Implementation of an Early Rule-Out Pathway for Myocardial Infarction: AÂQualitative Study. Annals of Emergency Medicine, 2020, 75, 502-513.	0.3	10
60	High-sensitivity cardiac troponin and the early rule out of myocardial infarction: time for action. Heart, 2020, 106, 955-957.	1.2	12
61	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. Heart, 2020, 106, 1236-1243.	1.2	22
62	Incidence, Microbiology, and Outcomes in Patients Hospitalized With Infective Endocarditis. Circulation, 2020, 141, 2067-2077.	1.6	90
63	Clinical endpoint adjudication. Lancet, The, 2020, 395, 1878-1882.	6.3	18
64	Response by Wereski et al to Letter Regarding Article, â€œHigh-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarctionâ€. Circulation, 2020, 141, e882-e883.	1.6	4
65	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
66	Cardiac biomarkers of prognostic importance in chronic obstructive pulmonary disease. Respiratory Research, 2020, 21, 162.	1.4	4
67	Risk Stratification Using High-Sensitivity Cardiac Troponin T in Patients With Suspected Acute Coronary Syndrome. Journal of the American College of Cardiology, 2020, 75, 985-987.	1.2	15
68	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. European Heart Journal Quality of Care & Clinical Outcomes, 2020, 6, 293-300.	1.8	30
69	High-Sensitivity Cardiac Troponin Can Be an Ally in the Fight Against COVID-19. Circulation, 2020, 141, 1733-1735.	1.6	147
70	Novel high-sensitivity cardiac troponin I assay in patients with suspected acute coronary syndrome. Heart, 2019, 105, heartjnl-2018-314093.	1.2	38
71	Myocardial Injury in the Era of High-Sensitivity Cardiac Troponin Assays. JAMA Cardiology, 2019, 4, 1034.	3.0	84
72	Assessment and Treatment of Patients With Type 2 Myocardial Infarction and Acute Nonischemic Myocardial Injury. Circulation, 2019, 140, 1661-1678.	1.6	207

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73	Machine Learning to Predict the Likelihood of Acute Myocardial Infarction. Circulation, 2019, 140, 899-909.	1.6	128
74	Presenting Symptoms in Men and Women Diagnosed With Myocardial Infarction Using Sexâ€Specific Criteria. Journal of the American Heart Association, 2019, 8, e012307.	1.6	81
75	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. New England Journal of Medicine, 2019, 380, 2529-2540.	13.9	230
76	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With StableÂChest Pain. Journal of the American College of Cardiology, 2019, 74, 2058-2070.	1.2	99
77	A look back: diagnosing myocardial infarction in the era of high-sensitivity troponin after the High-STEACS trial. Cardiovascular Research, 2019, 115, e158-e160.	1.8	1
78	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.	1.2	84
79	A Proposal for Modest Revision of the Definition of Type 1 and Type 2 Myocardial Infarction. Circulation, 2019, 140, 1773-1775.	1.6	35
80	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
81	Clinical determinants of plasma cardiac biomarkers in patients with stable chest pain. Heart, 2019, 105, 1748-1754.	1.2	4
82	Heart failure and healthcare informatics. PLoS Medicine, 2019, 16, e1002806.	3.9	4
83	Experimental Models of Brugada syndrome. International Journal of Molecular Sciences, 2019, 20, 2123.	1.8	28
84	Cardiac Troponin T and Troponin I in the General Population. Circulation, 2019, 139, 2754-2764.	1.6	200
85	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.	1.2	74
86	Cardiac Troponin to Guide the Use of Noninvasive Testing in Patients Ruled Out for Myocardial Infarction. Circulation, 2019, 139, 1655-1657.	1.6	10
87	Contemporary point of care cardiac troponin testing in suspected acute coronary syndrome. Heart, 2019, 105, 740-741.	1.2	53
88	Convalescent troponin and cardiovascular death following acute coronary syndrome. Heart, 2019, 105, 1717-1724.	1.2	11
89	Prevalence, Determinants, and Clinical Associations of High-Sensitivity Cardiac Troponin in Patients Attending Emergency Departments. American Journal of Medicine, 2019, 132, 110.e8-110.e21.	0.6	42
90	Global Adoption of High-Sensitivity Cardiac Troponins and the Universal Definition of Myocardial Infarction. Clinical Chemistry, 2019, 65, 484-489.	1.5	76

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91	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. Circulation: Cardiovascular Quality and Outcomes, 2018, 11, e004227.	0.9	41
92	High-sensitivity cardiac troponin I and risk of heart failure in patients with suspected acute coronary syndrome: a cohort study. European Heart Journal Quality of Care & Clinical Outcomes, 2018, 4, 36-42.	1.8	28
93	A single blood test to rule out acute coronary syndrome. Heart, 2018, 104, 632-633.	1.2	5
94	High-sensitivity troponin: a barometer for cardiac health. Cardiovascular Research, 2018, 114, e36-e38.	1.8	3
95	Sodium channel current loss of function in induced pluripotent stem cell-derived cardiomyocytes from a Brugada syndrome patient. Journal of Molecular and Cellular Cardiology, 2018, 114, 10-19.	0.9	47
96	Differences in relative and absolute effectiveness of oral P2Y_{₁₂} inhibition in men and women: a meta-analysis and modelling study. Heart, 2018, 104, 657-664.	1.2	7
97	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
98	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. Circulation, 2018, 137, 1236-1245.	1.6	250
99	Response to Letter Regarding Article, â€œLong-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injuryâ€• Circulation, 2018, 138, 1178-1179.	1.6	2
100	Unrecognised myocardial infarction and its relationship to outcome in critically ill patients with cardiovascular disease. Intensive Care Medicine, 2018, 44, 2059-2069.	3.9	10
101	High-Sensitivity Troponin and the Selection of Patients for Cardiac Imaging in the Outpatient Clinic. Clinical Chemistry, 2018, 64, 1555-1557.	1.5	2
102	High-Sensitivity Cardiac Troponin I and Clinical Risk Scores in Patients With Suspected Acute Coronary Syndrome. Circulation, 2018, 138, 1654-1665.	1.6	92
103	Comparison between High-Sensitivity Cardiac Troponin T and Cardiac Troponin I in a Large General Population Cohort. Clinical Chemistry, 2018, 64, 1607-1616.	1.5	101
104	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. New England Journal of Medicine, 2018, 379, 924-933.	13.9	898
105	Cardiac Troponin I and Cardiovascular Risk in Patients With Chronic Obstructive PulmonaryÂDisease. Journal of the American College of Cardiology, 2018, 72, 1126-1137.	1.2	48
106	High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. Lancet, The, 2018, 392, 919-928.	6.3	263
107	High-Sensitivity Troponin I Is Associated WithÂHigh-Risk Plaque and MACE in StableÂCoronary Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1200-1203.	2.3	11
108	Assessment and classification of patients with myocardial injury and infarction in clinical practice. Heart, 2017, 103, 10-18.	1.2	205

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109	Cardiac Biomarkers and the Diagnosis of Myocardial Infarction in Women. Current Cardiology Reports, 2017, 19, 40.	1.3	27
110	Inhaled Nanoparticles Accumulate at Sites of Vascular Disease. ACS Nano, 2017, 11, 4542-4552.	7.3	437
111	High-sensitivity cardiac troponin I assays in the diagnosis of acute myocardial infarction. Heart Asia, 2017, 9, 88-89.	1.1	2
112	Fire Simulation and Cardiovascular Health in Firefighters. Circulation, 2017, 135, 1284-1295.	1.6	62
113	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. Circulation, 2017, 135, 1586-1596.	1.6	153
114	Point: The Use of Sex-Specific Cutpoints for High-Sensitivity Cardiac Troponin Assays. Clinical Chemistry, 2017, 63, 261-263.	1.5	23
115	Early Rule-Out and Rule-In Strategies for Myocardial Infarction. Clinical Chemistry, 2017, 63, 129-139.	1.5	33
116	Rapid Rule-Out of Acute Myocardial Injury Using a Single High-Sensitivity Cardiac Troponin I Measurement. Clinical Chemistry, 2017, 63, 369-376.	1.5	45
117	Early diagnosis of acute coronary syndrome. European Heart Journal, 2017, 38, 3049-3055.	1.0	50
118	Response by Hunter and Mills to Letters Regarding Article, â€œFire Simulation and Cardiovascular Health in Firefightersâ€• Circulation, 2017, 136, 976-977.	1.6	1
119	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.	3.8	188
120	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. BMJ: British Medical Journal, 2017, 359, j4788.	2.4	92
121	Myocardial inflammation, injury and infarction during on-pump coronary artery bypass graft surgery. Journal of Cardiothoracic Surgery, 2017, 12, 115.	0.4	29
122	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. Environmental Health Perspectives, 2017, 125, 106002.	2.8	274
123	Cardiometabolic effects of a novel SIRT1 activator, SRT2104, in people with type 2 diabetes mellitus. Open Heart, 2017, 4, e000647.	0.9	19
124	Should the 1h algorithm for rule in and rule out of acute myocardial infarction be used universally?Sometimes earlier may not be betterBackground, fundamental concepts, and scientific evidence of the high-sensitivity cardiac troponin 0h/1h-algorithm for early rule-out or rule-in of acute myocardial infarction. European Heart Journal, 2016, 37, 3316-3323.	1.0	26
125	High-Sensitivity Cardiac Troponin, StatinÂTherapy, and Risk of CoronaryÂHeartÂDisease. Journal of the American College of Cardiology, 2016, 68, 2719-2728.	1.2	199
126	How Can We Protect Susceptible Individuals from the Adverse Cardiovascular Effects of Air Pollution?. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 940-942.	2.5	1

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127	Peri-procedural Myocardial Infarction: If You Donâ€™t Take a Temperature, You Canâ€™t Find a Fever. Revista Espanola De Cardiologia (English Ed), 2016, 69, 725-729.	0.4	0
128	Infarto de miocardio periintervenciÃ³n: si no se mira la temperatura, no se puede detectar la fiebre. Revista Espanola De Cardiologia, 2016, 69, 725-729.	0.6	1
129	Measurement of cardiac troponin for exclusion of myocardial infarction â€“ Authors' reply. Lancet, The, 2016, 387, 2289-2291.	6.3	6
130	Assessing risk following ST-segment elevation myocardial infarction: cardiac troponin or cardiac magnetic resonance imaging?. European Heart Journal Quality of Care & Clinical Outcomes, 2016, 2, 141-143.	1.8	0
131	A clinical risk score of myocardial fibrosis predicts adverse outcomes in aortic stenosis. European Heart Journal, 2016, 37, 713-723.	1.0	90
132	High-sensitivity troponin and novel biomarkers for the early diagnosis of non-ST-segment elevation myocardial infarction in patients with atrial fibrillation. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 419-427.	0.4	14
133	Optical coherence tomography versus intravascular ultrasound to evaluate stent implantation in patients with calcific coronary artery disease. Open Heart, 2015, 2, e000225.	0.9	14
134	High sensitivity cardiac troponin and the under-diagnosis of myocardial infarction in women: prospective cohort study. BMJ, The, 2015, 350, g7873.	3.0	338
135	Expert position paper on air pollution and cardiovascular disease. European Heart Journal, 2015, 36, 83-93.	1.0	646
136	Short term exposure to air pollution and stroke: systematic review and meta-analysis. BMJ, The, 2015, 350, h1295.	3.0	558
137	Road Repairs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2266-2268.	1.1	4
138	Sensitive Troponin Assay and the Classification of Myocardial Infarction. American Journal of Medicine, 2015, 128, 493-501.e3.	0.6	134
139	High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. Lancet, The, 2015, 386, 2481-2488.	6.3	422
140	Impaired vascular function and repair in patients with premature coronary artery disease. European Journal of Preventive Cardiology, 2015, 22, 1557-1566.	0.8	11
141	Controlled Exposures to Air Pollutants and Risk of Cardiac Arrhythmia. Environmental Health Perspectives, 2014, 122, 747-753.	2.8	35
142	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.	1.0	193
143	Percutaneous coronary intervention causes a rapid but transient mobilisation of CD34+CD45â^'cells. Open Heart, 2014, 1, e000047.	0.9	5
144	Effect of wood smoke exposure on vascular function and thrombus formation in healthy fire fighters. Particle and Fibre Toxicology, 2014, 11, 62.	2.8	28

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145	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. Circulation, 2014, 130, 1607-1616.	1.6	116
146	Air pollution and mortality in Europe. Lancet, The, 2014, 383, 758-760.	6.3	16
147	Diagnosis of myocardial infarction: Cardiac troponin I or troponin T?. Clinical Biochemistry, 2014, 47, 319-320.	0.8	5
148	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.	6.3	804
149	Exposure to wood smoke increases arterial stiffness and decreases heart rate variability in humans. Particle and Fibre Toxicology, 2013, 10, 20.	2.8	99
150	Diesel exhaust but not ozone increases fraction of exhaled nitric oxide in a randomized controlled experimental exposure study of healthy human subjects. Environmental Health, 2013, 12, 36.	1.7	30
151	Global association of air pollution and heart failure: a systematic review and meta-analysis. Lancet, The, 2013, 382, 1039-1048.	6.3	929
152	Diesel exhaust particulate increases the size and complexity of lesions in atherosclerotic mice. Particle and Fibre Toxicology, 2013, 10, 61.	2.8	103
153	Nanoparticles and the cardiovascular system: a critical review. Nanomedicine, 2013, 8, 403-423.	1.7	91
154	High sensitivity cardiac troponin in patients with chest pain. BMJ, The, 2013, 347, f4222-f4222.	3.0	25
155	Short-Term Exposure to Ozone Does Not Impair Vascular Function or Affect Heart Rate Variability in Healthy Young Men. Toxicological Sciences, 2013, 135, 292-299.	1.4	41
156	High-sensitivity troponin assays and the early rule-out of acute myocardial infarction. Heart, 2013, 99, 1549-1550.	1.2	3
157	Endothelial progenitor cells, atheroma burden and clinical outcome in patients with coronary artery disease. Heart, 2013, 99, 791-798.	1.2	31
158	Altered Nitric Oxide Bioavailability Contributes to Diesel Exhaust Inhalationâ€Induced Cardiovascular Dysfunction in Man. Journal of the American Heart Association, 2013, 2, e004309.	1.6	59
159	Periprocedural type IVa myocardial infarction and the importance of platelet inhibition. Heart, 2013, 99, 1225-1226.	1.2	1
160	Reducing Personal Exposure to Particulate Air Pollution Improves Cardiovascular Health in Patients with Coronary Heart Disease. Environmental Health Perspectives, 2012, 120, 367-372.	2.8	231
161	Implications of lowering threshold of plasma troponin concentration in diagnosis of myocardial infarction: cohort study. BMJ: British Medical Journal, 2012, 344, e1533-e1533.	2.4	90
162	Combustion-derived air pollution and cardiovascular disease. British Journal of Hospital Medicine (London, England: 2005), 2012, 73, 492-497.	0.2	6

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163	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.	0.7	52
164	Diesel exhaust inhalation does not affect heart rhythm or heart rate variability. Heart, 2011, 97, 544-550.	1.2	66
165	Implementation of a Sensitive Troponin I Assay and Risk of Recurrent Myocardial Infarction and Death in Patients With Suspected Acute Coronary Syndrome. JAMA - Journal of the American Medical Association, 2011, 305, 1210.	3.8	270
166	Particle Traps Prevent Adverse Vascular and Prothrombotic Effects of Diesel Engine Exhaust Inhalation in Men. Circulation, 2011, 123, 1721-1728.	1.6	178
167	Combustion-derived nanoparticulate induces the adverse vascular effects of diesel exhaust inhalation. European Heart Journal, 2011, 32, 2660-2671.	1.0	172
168	Surface Derivatization State of Polystyrene Latex Nanoparticles Determines both Their Potency and Their Mechanism of Causing Human Platelet Aggregation In Vitro. Toxicological Sciences, 2011, 119, 359-368.	1.4	63
169	Fibrin clot structure remains unaffected in young, healthy individuals after transient exposure to diesel exhaust. Particle and Fibre Toxicology, 2010, 7, 17.	2.8	16
170	Impaired vascular function after exposure to diesel exhaust generated at urban transient running conditions. Particle and Fibre Toxicology, 2010, 7, 19.	2.8	99
171	Circulating endothelial progenitor cells are not affected by acute systemic inflammation. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H2054-H2061.	1.5	37
172	Exposure to nitrogen dioxide is not associated with vascular dysfunction in man. Inhalation Toxicology, 2010, 22, 192-198.	0.8	55
173	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.	2.8	114
174	Contribution of Endothelin 1 to the Vascular Effects of Diesel Exhaust Inhalation in Humans. Hypertension, 2009, 54, 910-915.	1.3	51
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