

Thomas Munzel

List of Publications by Year in descending order

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995
papers

96,245
citations

418

132
h-index

340

285
g-index

1090
all docs

1090
docs citations

1090
times ranked

75849
citing authors

#	ARTICLE	IF	CITATIONS
1	Angiotensinâ€“Nepriylsin Inhibition versus Enalapril in Heart Failure. <i>New England Journal of Medicine</i> , 2014, 371, 993-1004.	13.9	5,052
2	Evolocumab and Clinical Outcomes in Patients with Cardiovascular Disease. <i>New England Journal of Medicine</i> , 2017, 376, 1713-1722.	13.9	4,179
3	Ezetimibe Added to Statin Therapy after Acute Coronary Syndromes. <i>New England Journal of Medicine</i> , 2015, 372, 2387-2397.	13.9	3,337
4	Telmisartan, Ramipril, or Both in Patients at High Risk for Vascular Events. <i>New England Journal of Medicine</i> , 2008, 358, 1547-1559.	13.9	3,155
5	Clopidogrel and Aspirin versus Aspirin Alone for the Prevention of Atherothrombotic Events. <i>New England Journal of Medicine</i> , 2006, 354, 1706-1717.	13.9	2,582
6	Valsartan, Captopril, or Both in Myocardial Infarction Complicated by Heart Failure, Left Ventricular Dysfunction, or Both. <i>New England Journal of Medicine</i> , 2003, 349, 1893-1906.	13.9	2,240
7	Alirocumab and Cardiovascular Outcomes after Acute Coronary Syndrome. <i>New England Journal of Medicine</i> , 2018, 379, 2097-2107.	13.9	2,211
8	Angiotensin II-mediated hypertension in the rat increases vascular superoxide production via membrane NADH/NADPH oxidase activation. Contribution to alterations of vasomotor tone.. <i>Journal of Clinical Investigation</i> , 1996, 97, 1916-1923.	3.9	2,179
9	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011, 478, 103-109.	13.7	1,855
10	Endothelial Dysfunction, Oxidative Stress, and Risk of Cardiovascular Events in Patients With Coronary Artery Disease. <i>Circulation</i> , 2001, 104, 2673-2678.	1.6	1,735
11	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. <i>Nature Genetics</i> , 2011, 43, 333-338.	9.4	1,685
12	Irbesartan in Patients with Heart Failure and Preserved Ejection Fraction. <i>New England Journal of Medicine</i> , 2008, 359, 2456-2467.	13.9	1,663
13	Endothelial Nitric Oxide Synthase in Vascular Disease. <i>Circulation</i> , 2006, 113, 1708-1714.	1.6	1,641
14	Intensive Lipid Lowering with Simvastatin and Ezetimibe in Aortic Stenosis. <i>New England Journal of Medicine</i> , 2008, 359, 1343-1356.	13.9	1,395
15	Comparison of Fondaparinux and Enoxaparin in Acute Coronary Syndromes. <i>New England Journal of Medicine</i> , 2006, 354, 1464-1476.	13.9	1,104
16	Sensitive Troponin I Assay in Early Diagnosis of Acute Myocardial Infarction. <i>New England Journal of Medicine</i> , 2009, 361, 868-877.	13.9	1,021
17	Mechanisms Underlying Endothelial Dysfunction in Diabetes Mellitus. <i>Circulation Research</i> , 2001, 88, E14-22.	2.0	941
18	Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011, 477, 54-60.	13.7	916

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19	Effects of the angiotensin-receptor blocker telmisartan on cardiovascular events in high-risk patients intolerant to angiotensin-converting enzyme inhibitors: a randomised controlled trial. <i>Lancet, The</i> , 2008, 372, 1174-1183.	6.3	896
20	Myeloperoxidase Serum Levels Predict Risk in Patients With Acute Coronary Syndromes. <i>Circulation</i> , 2003, 108, 1440-1445.	1.6	891
21	New loci associated with kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010, 42, 376-384.	9.4	710
22	Loneliness in the general population: prevalence, determinants and relations to mental health. <i>BMC Psychiatry</i> , 2017, 17, 97.	1.1	689
23	Increased NADH-Oxidase-Mediated Superoxide Production in the Early Stages of Atherosclerosis. <i>Circulation</i> , 1999, 99, 2027-2033.	1.6	661
24	Facilitated PCI in Patients with ST-Elevation Myocardial Infarction. <i>New England Journal of Medicine</i> , 2008, 358, 2205-2217.	13.9	596
25	Evacetrapib and Cardiovascular Outcomes in High-Risk Vascular Disease. <i>New England Journal of Medicine</i> , 2017, 376, 1933-1942.	13.9	593
26	Effects of Angiotensin II Infusion on the Expression and Function of NAD(P)H Oxidase and Components of Nitric Oxide/cGMP Signaling. <i>Circulation Research</i> , 2002, 90, E58-65.	2.0	592
27	Cardiovascular disease burden from ambient air pollution in Europe reassessed using novel hazard ratio functions. <i>European Heart Journal</i> , 2019, 40, 1590-1596.	1.0	570
28	Angiotensin Receptor Neprilysin Inhibition Compared With Enalapril on the Risk of Clinical Progression in Surviving Patients With Heart Failure. <i>Circulation</i> , 2015, 131, 54-61.	1.6	552
29	Genetics and Beyond - The Transcriptome of Human Monocytes and Disease Susceptibility. <i>PLoS ONE</i> , 2010, 5, e10693.	1.1	539
30	Endothelial function in chronic congestive heart failure. <i>American Journal of Cardiology</i> , 1992, 69, 1596-1601.	0.7	520
31	Cardiovascular effects of environmental noise exposure. <i>European Heart Journal</i> , 2014, 35, 829-836.	1.0	500
32	Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies. <i>Lancet, The</i> , 2011, 377, 383-392.	6.3	466
33	Guided de-escalation of antiplatelet treatment in patients with acute coronary syndrome undergoing percutaneous coronary intervention (TROPICAL-ACS): a randomised, open-label, multicentre trial. <i>Lancet, The</i> , 2017, 390, 1747-1757.	6.3	443
34	Serial Changes in Highly Sensitive Troponin I Assay and Early Diagnosis of Myocardial Infarction. <i>JAMA - Journal of the American Medical Association</i> , 2011, 306, 2684.	3.8	427
35	Loss of life expectancy from air pollution compared to other risk factors: a worldwide perspective. <i>Cardiovascular Research</i> , 2020, 116, 1910-1917.	1.8	427
36	Lysozyme-Positive Monocytes Mediate Angiotensin II-Induced Arterial Hypertension and Vascular Dysfunction. <i>Circulation</i> , 2011, 124, 1370-1381.	1.6	422

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37	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. <i>Nature Communications</i> , 2016, 7, 10023.	5.8	412
38	Percutaneous coronary intervention with everolimus-eluting bioresorbable vascular scaffolds in routine clinical practice: early and midterm outcomes from the European multicentre GHOST-EU registry. <i>EuroIntervention</i> , 2015, 10, 1144-1153.	1.4	411
39	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , 2011, 43, 1005-1011.	9.4	403
40	Ivabradine in Stable Coronary Artery Disease without Clinical Heart Failure. <i>New England Journal of Medicine</i> , 2014, 371, 1091-1099.	13.9	399
41	Explaining the Phenomenon of Nitrate Tolerance. <i>Circulation Research</i> , 2005, 97, 618-628.	2.0	396
42	Vascular Inflammation and Oxidative Stress: Major Triggers for Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-26.	1.9	388
43	Is oxidative stress a therapeutic target in cardiovascular disease?. <i>European Heart Journal</i> , 2010, 31, 2741-2748.	1.0	380
44	Myeloperoxidase mediates neutrophil activation by association with CD11b/CD18 integrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 431-436.	3.3	372
45	Oxidative stress and endothelial dysfunction in hypertension. <i>Hypertension Research</i> , 2011, 34, 665-673.	1.5	368
46	Impact of Oxidative Stress on the Heart and Vasculature. <i>Journal of the American College of Cardiology</i> , 2017, 70, 212-229.	1.2	362
47	Nitric Oxide, Tetrahydrobiopterin, Oxidative Stress, and Endothelial Dysfunction in Hypertension. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 1115-1126.	2.5	361
48	ADMA and oxidative stress. <i>Atherosclerosis Supplements</i> , 2003, 4, 41-51.	1.2	360
49	Repeated Replication and a Prospective Meta-Analysis of the Association Between Chromosome 9p21.3 and Coronary Artery Disease. <i>Circulation</i> , 2008, 117, 1675-1684.	1.6	356
50	Targeting vascular (endothelial) dysfunction. <i>British Journal of Pharmacology</i> , 2017, 174, 1591-1619.	2.7	355
51	Vascular Consequences of Endothelial Nitric Oxide Synthase Uncoupling for the Activity and Expression of the Soluble Guanylyl Cyclase and the cGMP-Dependent Protein Kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1551-1557.	1.1	345
52	Genome-Wide Association Identifies Nine Common Variants Associated With Fasting Proinsulin Levels and Provides New Insights Into the Pathophysiology of Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 2624-2634.	0.3	335
53	Asymmetric Dimethylarginine and the Risk of Cardiovascular Events and Death in Patients With Coronary Artery Disease. <i>Circulation Research</i> , 2005, 97, e53-9.	2.0	330
54	Pathophysiology, diagnosis and prognostic implications of endothelial dysfunction. <i>Annals of Medicine</i> , 2008, 40, 180-196.	1.5	330

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55	Contribution of 30 Biomarkers to 10-Year Cardiovascular Risk Estimation in 2 Population Cohorts. <i>Circulation</i> , 2010, 121, 2388-2397.	1.6	320
56	Pathophysiological role of oxidative stress in systolic and diastolic heart failure and its therapeutic implications. <i>European Heart Journal</i> , 2015, 36, 2555-2564.	1.0	306
57	Bioresorbable Coronary Scaffold-Induced Thrombosis. <i>Journal of the American College of Cardiology</i> , 2016, 67, 921-931.	1.2	302
58	Physiology and Pathophysiology of Vascular Signaling Controlled by Cyclic Guanosine 3',5'-Cyclic Monophosphate-Dependent Protein Kinase. <i>Circulation</i> , 2003, 108, 2172-2183.	1.6	300
59	Effect of Alirocumab on Lipoprotein(a) and Cardiovascular Risk After Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2020, 75, 133-144.	1.2	296
60	Genome-wide association study in Han Chinese identifies four new susceptibility loci for coronary artery disease. <i>Nature Genetics</i> , 2012, 44, 890-894.	9.4	295
61	Copeptin Improves Early Diagnosis of Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2096-2106.	1.2	285
62	Gut Microbiota Promote Angiotensin II-Induced Arterial Hypertension and Vascular Dysfunction. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	281
63	Environmental Noise and the Cardiovascular System. <i>Journal of the American College of Cardiology</i> , 2018, 71, 688-697.	1.2	278
64	A trans-acting locus regulates an anti-viral expression network and type 1 diabetes risk. <i>Nature</i> , 2010, 467, 460-464.	13.7	271
65	Genome-Wide Association Study for Coronary Artery Calcification With Follow-Up in Myocardial Infarction. <i>Circulation</i> , 2011, 124, 2855-2864.	1.6	269
66	Effects of gaseous and solid constituents of air pollution on endothelial function. <i>European Heart Journal</i> , 2018, 39, 3543-3550.	1.0	263
67	Regional and global contributions of air pollution to risk of death from COVID-19. <i>Cardiovascular Research</i> , 2020, 116, 2247-2253.	1.8	262
68	Trends in thrombolytic treatment and outcomes of acute pulmonary embolism in Germany. <i>European Heart Journal</i> , 2020, 41, 522-529.	1.0	259
69	Detection of Superoxide in Vascular Tissue. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1761-1768.	1.1	255
70	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , 2004, 113, 482-489.	3.9	254
71	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	3.9	242
72	Effect of nighttime aircraft noise exposure on endothelial function and stress hormone release in healthy adults. <i>European Heart Journal</i> , 2013, 34, 3508-3514.	1.0	238

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73	Comparative Impact of Multiple Biomarkers and N-Terminal Pro-Brain Natriuretic Peptide in the Context of Conventional Risk Factors for the Prediction of Recurrent Cardiovascular Events in the Heart Outcomes Prevention Evaluation (HOPE) Study. <i>Circulation</i> , 2006, 114, 201-208.	1.6	236
74	eNOS Uncoupling in Cardiovascular Diseases - the Role of Oxidative Stress and Inflammation. <i>Current Pharmaceutical Design</i> , 2014, 20, 3579-3594.	0.9	233
75	Physical Inactivity Increases Oxidative Stress, Endothelial Dysfunction, and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 809-814.	1.1	232
76	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. <i>New England Journal of Medicine</i> , 2019, 380, 2529-2540.	13.9	230
77	Long-Term Prognosis of Patients With Takotsubo Syndrome. <i>Journal of the American College of Cardiology</i> , 2018, 72, 874-882.	1.2	224
78	Increased NAD(P)H oxidase-mediated superoxide production in renovascular hypertension: Evidence for an involvement of protein kinase C. <i>Kidney International</i> , 1999, 55, 252-260.	2.6	223
79	The Sodium-Glucose Co-Transporter 2 Inhibitor Empagliflozin Improves Diabetes-Induced Vascular Dysfunction in the Streptozotocin Diabetes Rat Model by Interfering with Oxidative Stress and Glucotoxicity. <i>PLoS ONE</i> , 2014, 9, e112394.	1.1	222
80	Environmental stressors and cardio-metabolic disease: part II – mechanistic insights. <i>European Heart Journal</i> , 2017, 38, ehw294.	1.0	209
81	The SGLT2 inhibitor empagliflozin improves the primary diabetic complications in ZDF rats. <i>Redox Biology</i> , 2017, 13, 370-385.	3.9	208
82	Transportation noise pollution and cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2021, 18, 619-636.	6.1	208
83	Mitochondrial Redox Signaling: Interaction of Mitochondrial Reactive Oxygen Species with Other Sources of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 308-324.	2.5	207
84	Effects of alirocumab on cardiovascular and metabolic outcomes after acute coronary syndrome in patients with or without diabetes: a prespecified analysis of the ODYSSEY OUTCOMES randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 618-628.	5.5	207
85	Genetic Analysis of the Interleukin-18 System Highlights the Role of the Interleukin-18 Gene in Cardiovascular Disease. <i>Circulation</i> , 2005, 112, 643-650.	1.6	205
86	Molecular Mechanisms of the Crosstalk Between Mitochondria and NADPH Oxidase Through Reactive Oxygen Species – Studies in White Blood Cells and in Animal Models. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 247-266.	2.5	203
87	Crosstalk of mitochondria with NADPH oxidase via reactive oxygen and nitrogen species signalling and its role for vascular function. <i>British Journal of Pharmacology</i> , 2017, 174, 1670-1689.	2.7	203
88	Genetic Variants Associated With Cardiac Structure and Function. <i>JAMA - Journal of the American Medical Association</i> , 2009, 302, 168.	3.8	202
89	Vascular effects and safety of dalcetrapib in patients with or at risk of coronary heart disease: the dal-VESSEL randomized clinical trial. <i>European Heart Journal</i> , 2012, 33, 857-865.	1.0	201
90	Interleukin 17 Drives Vascular Inflammation, Endothelial Dysfunction, and Arterial Hypertension in Psoriasis-Like Skin Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2658-2668.	1.1	196

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91	Effects of tobacco cigarettes, e-cigarettes, and waterpipe smoking on endothelial function and clinical outcomes. <i>European Heart Journal</i> , 2020, 41, 4057-4070.	1.0	194
92	Regulation of endothelial-type NO synthase expression in pathophysiology and in response to drugs. <i>Nitric Oxide - Biology and Chemistry</i> , 2002, 7, 149-164.	1.2	193
93	Environmental stressors and cardio-metabolic disease: part I – epidemiologic evidence supporting a role for noise and air pollution and effects of mitigation strategies. <i>European Heart Journal</i> , 2017, 38, ehw269.	1.0	193
94	Trends in mortality related to pulmonary embolism in the European Region, 2000–15: analysis of vital registration data from the WHO Mortality Database. <i>Lancet Respiratory Medicine</i> , 2020, 8, 277-287.	5.2	192
95	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. <i>Nature Genetics</i> , 2011, 43, 940-947.	9.4	191
96	Manganese superoxide dismutase and aldehyde dehydrogenase deficiency increase mitochondrial oxidative stress and aggravate age-dependent vascular dysfunction. <i>Cardiovascular Research</i> , 2008, 80, 280-289.	1.8	190
97	Ambient Air Pollution Increases the Risk of Cerebrovascular and Neuropsychiatric Disorders through Induction of Inflammation and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4306.	1.8	190
98	Upregulation of Phosphodiesterase 1A1 Expression Is Associated With the Development of Nitrate Tolerance. <i>Circulation</i> , 2001, 104, 2338-2343.	1.6	189
99	Nebivolol Inhibits Superoxide Formation by NADPH Oxidase and Endothelial Dysfunction in Angiotensin II-Treated Rats. <i>Hypertension</i> , 2006, 48, 677-684.	1.3	181
100	Regulation of erythrocyte survival by AMP-activated protein kinase. <i>FASEB Journal</i> , 2009, 23, 1072-1080.	0.2	180
101	Different Calculations of Ankle-Brachial Index and Their Impact on Cardiovascular Risk Prediction. <i>Circulation</i> , 2008, 118, 961-967.	1.6	178
102	Profile of the Immune and Inflammatory Response in Individuals With Prediabetes and Type 2 Diabetes. <i>Diabetes Care</i> , 2015, 38, 1356-1364.	4.3	177
103	Effects of noise on vascular function, oxidative stress, and inflammation: mechanistic insight from studies in mice. <i>European Heart Journal</i> , 2017, 38, 2838-2849.	1.0	176
104	Validation of Lucigenin as a Chemiluminescent Probe to Monitor Vascular Superoxide as Well as Basal Vascular Nitric Oxide Production. <i>Biochemical and Biophysical Research Communications</i> , 1999, 254, 319-324.	1.0	174
105	Nebivolol. <i>Journal of the American College of Cardiology</i> , 2009, 54, 1491-1499.	1.2	173
106	Oxidative Stress and Mitochondrial Aldehyde Dehydrogenase Activity: A Comparison of Pentaerythritol Tetranitrate with Other Organic Nitrates. <i>Molecular Pharmacology</i> , 2004, 66, 1372-1382.	1.0	170
107	Noise Annoyance Is Associated with Depression and Anxiety in the General Population- The Contribution of Aircraft Noise. <i>PLoS ONE</i> , 2016, 11, e0155357.	1.1	170
108	Deficiency of Glutathione Peroxidase-1 Accelerates the Progression of Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 850-857.	1.1	169

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109	Activated thrombin activatable fibrinolysis inhibitor levels are associated with the risk of cardiovascular death in patients with coronary artery disease: the AtheroGene study. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 49-57.	1.9	169
110	Noninvasive Vascular Function Measurement in the Community. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 371-380.	1.3	167
111	New Therapeutic Implications of Endothelial Nitric Oxide Synthase (eNOS) Function/Dysfunction in Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 187.	1.8	166
112	Nitrate Therapy. <i>Circulation</i> , 2011, 123, 2132-2144.	1.6	165
113	Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment. <i>Circulation</i> , 2002, 105, 1170-1175.	1.6	164
114	Reversal of Endothelial Nitric Oxide Synthase Uncoupling and Up-Regulation of Endothelial Nitric Oxide Synthase Expression Lowers Blood Pressure in Hypertensive Rats. <i>Journal of the American College of Cardiology</i> , 2006, 47, 2536-2544.	1.2	163
115	Measurement of NAD(P)H oxidase-derived superoxide with the luminol analogue L-012. <i>Free Radical Biology and Medicine</i> , 2004, 36, 101-111.	1.3	161
116	Uncoupling of Endothelial Nitric Oxide Synthase in Perivascular Adipose Tissue of Diet-Induced Obese Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 78-85.	1.1	158
117	Resveratrol Reverses Endothelial Nitric-Oxide Synthase Uncoupling in Apolipoprotein E Knockout Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 149-154.	1.3	154
118	Alirocumab in Patients With Polyvascular Disease and Recent Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1167-1176.	1.2	154
119	Glucose-independent improvement of vascular dysfunction in experimental sepsis by dipeptidyl-peptidase 4 inhibition. <i>Cardiovascular Research</i> , 2012, 96, 140-149.	1.8	152
120	Differential VASP phosphorylation controls remodeling of the actin cytoskeleton. <i>Journal of Cell Science</i> , 2009, 122, 3954-3965.	1.2	151
121	Circulating microRNAs strongly predict cardiovascular death in patients with coronary artery disease—results from the large AtheroGene study. <i>European Heart Journal</i> , 2016, 38, ehw250.	1.0	151
122	Thirty-One Novel Biomarkers as Predictors for Clinically Incident Diabetes. <i>PLoS ONE</i> , 2010, 5, e10100.	1.1	149
123	Conversion of biliverdin to bilirubin by biliverdin reductase contributes to endothelial cell protection by heme oxygenase-1—evidence for direct and indirect antioxidant actions of bilirubin. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 186-195.	0.9	148
124	The Adverse Effects of Environmental Noise Exposure on Oxidative Stress and Cardiovascular Risk. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 873-908.	2.5	148
125	Oxidative Stress Increases Endothelin-1 Synthesis in Human Coronary Artery Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 38, 49-57.	0.8	147
126	Crucial role for Nox2 and sleep deprivation in aircraft noise-induced vascular and cerebral oxidative stress, inflammation, and gene regulation. <i>European Heart Journal</i> , 2018, 39, 3528-3539.	1.0	147

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127	Absorb Bioresorbable Vascular Scaffold Versus Everolimus-Eluting Metallic Stent inÂST-Segment Elevation Myocardial Infarction: 1-Year Results of a Propensity Score Matching Comparison. JACC: Cardiovascular Interventions, 2015, 8, 189-197.	1.1	145
128	Nebivolol Prevents Vascular NOS III Uncoupling in Experimental Hyperlipidemia and Inhibits NADPH Oxidase Activity in Inflammatory Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 615-621.	1.1	144
129	An Alternative Pathway of Imiquimod-Induced Psoriasis-Like Skin Inflammation in the Absence of Interleukin-17 Receptor A Signaling. Journal of Investigative Dermatology, 2013, 133, 441-451.	0.3	143
130	Oxidative Stress Increases Synthesis of Big Endothelin-1 by Activation of the Endothelin-1 Promoter. Journal of Molecular and Cellular Cardiology, 2000, 32, 1429-1437.	0.9	140
131	Role of Reduced Lipoic Acid in the Redox Regulation of Mitochondrial Aldehyde Dehydrogenase (ALDH-2) Activity. Journal of Biological Chemistry, 2007, 282, 792-799.	1.6	140
132	Does Nitric Oxide Mediate the Vasodilator Activity of Nitroglycerin?. Circulation Research, 2003, 93, e104-12.	2.0	139
133	Short-term e-cigarette vapour exposure causes vascular oxidative stress and dysfunction: evidence for a close connection to brain damage and a key role of the phagocytic NADPH oxidase (NOX-2). European Heart Journal, 2020, 41, 2472-2483.	1.0	139
134	Angiographic score assessment improves cardiovascular risk prediction: the clinical value of SYNTAX and Gensini application. Clinical Research in Cardiology, 2013, 102, 495-503.	1.5	138
135	First Evidence for a Crosstalk Between Mitochondrial and NADPH Oxidase-Derived Reactive Oxygen Species in Nitroglycerin-Triggered Vascular Dysfunction. Antioxidants and Redox Signaling, 2008, 10, 1435-1448.	2.5	135
136	Effects of In Vivo Nitroglycerin Treatment on Activity and Expression of the Guanylyl Cyclase and cGMP-Dependent Protein Kinase and Their Downstream Target Vasodilator-Stimulated Phosphoprotein in Aorta. Circulation, 2001, 103, 2188-2194.	1.6	132
137	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. Journal of Clinical Investigation, 2004, 113, 482-489.	3.9	132
138	Angiotensin IIâ€Induced Vascular Dysfunction Depends on Interferon-Î³â€Driven Immune Cell Recruitment and Mutual Activation of Monocytes and NK-Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1313-1319.	1.1	131
139	Nighttime aircraft noise impairs endothelial function and increases blood pressure in patients with or at high risk for coronary artery disease. Clinical Research in Cardiology, 2015, 104, 23-30.	1.5	131
140	Alirocumab Reduces Total Nonfatal Cardiovascular and Fatal Events. Journal of the American College of Cardiology, 2019, 73, 387-396.	1.2	131
141	A Genome-Wide Association Study Identifies <i>LIPA</i> as a Susceptibility Gene for Coronary Artery Disease. Circulation: Cardiovascular Genetics, 2011, 4, 403-412.	5.1	130
142	Organic Nitrate Therapy, Nitrate Tolerance, and Nitrate-Induced Endothelial Dysfunction: Emphasis on Redox Biology and Oxidative Stress. Antioxidants and Redox Signaling, 2015, 23, 899-942.	2.5	130
143	Integrating Genome-Wide Genetic Variations and Monocyte Expression Data Reveals Trans-Regulated Gene Modules in Humans. PLoS Genetics, 2011, 7, e1002367.	1.5	126
144	Detection of Superoxide and Peroxynitrite in Model Systems and Mitochondria by the Luminol Analogue L-012. Free Radical Research, 2004, 38, 259-269.	1.5	125

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145	Myeloperoxidase enhances nitric oxide catabolism during myocardial ischemia and reperfusion. <i>Free Radical Biology and Medicine</i> , 2004, 37, 902-911.	1.3	124
146	Assessment of microRNAs in patients with unstable angina pectoris. <i>European Heart Journal</i> , 2014, 35, 2106-2114.	1.0	124
147	Environmental Noise-Induced Effects on Stress Hormones, Oxidative Stress, and Vascular Dysfunction: Key Factors in the Relationship between Cerebrocardiovascular and Psychological Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	122
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