

John F Keane

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215
papers

26,492
citations

80
h-index

160
g-index

233
ext. papers

28,753
ext. citations

11.3
avg, IF

6.82
L-index

#	Paper	IF	Citations
215	Role of oxidative modifications in atherosclerosis. <i>Physiological Reviews</i> , 2004 , 84, 1381-478	47.9	1918
214	The clinical implications of endothelial dysfunction. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 1149-60	15.1	1219
213	Antioxidants and atherosclerotic heart disease. <i>New England Journal of Medicine</i> , 1997 , 337, 408-16	59.2	1095
212	Obesity and systemic oxidative stress: clinical correlates of oxidative stress in the Framingham Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 434-9	9.4	1053
211	Visceral and subcutaneous adipose tissue volumes are cross-sectionally related to markers of inflammation and oxidative stress: the Framingham Heart Study. <i>Circulation</i> , 2007 , 116, 1234-41	16.7	665
210	Risk stratification for postoperative cardiovascular events via noninvasive assessment of endothelial function: a prospective study. <i>Circulation</i> , 2002 , 105, 1567-72	16.7	659
209	Predictive value of noninvasively determined endothelial dysfunction for long-term cardiovascular events in patients with peripheral vascular disease. <i>Journal of the American College of Cardiology</i> , 2003 , 41, 1769-75	15.1	652
208	Endothelial function: a barometer for cardiovascular risk?. <i>Circulation</i> , 2002 , 106, 640-2	16.7	588
207	Cholesterol reduction in cardiovascular disease. Clinical benefits and possible mechanisms. <i>New England Journal of Medicine</i> , 1995 , 332, 512-21	59.2	571
206	Reactive oxygen species in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 978-92	7.8	526
205	Homocyst(e)ine decreases bioavailable nitric oxide by a mechanism involving glutathione peroxidase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17012-7	5.4	492
204	Clinical correlates and heritability of flow-mediated dilation in the community: the Framingham Heart Study. <i>Circulation</i> , 2004 , 109, 613-9	16.7	484
203	Insulin resistance, oxidative stress, hypertension, and leukocyte telomere length in men from the Framingham Heart Study. <i>Aging Cell</i> , 2006 , 5, 325-30	9.9	405
202	Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. <i>Circulation</i> , 2011 , 123, 731-8	16.7	395
201	Regulation of ROS signal transduction by NADPH oxidase 4 localization. <i>Journal of Cell Biology</i> , 2008 , 181, 1129-39	7.3	386
200	Ascorbic acid reverses endothelial vasomotor dysfunction in patients with coronary artery disease. <i>Circulation</i> , 1996 , 93, 1107-13	16.7	377
199	Association of nitrotyrosine levels with cardiovascular disease and modulation by statin therapy. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 289, 1675-80	27.4	340

198	Ascorbate prevents the interaction of superoxide and nitric oxide only at very high physiological concentrations. <i>Circulation Research</i> , 1998 , 83, 916-22	15.7	340
197	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , 2010 , 16, 279-85	50.5	322
196	Local shear stress and brachial artery flow-mediated dilation: the Framingham Heart Study. <i>Hypertension</i> , 2004 , 44, 134-9	8.5	318
195	Long-term ascorbic acid administration reverses endothelial vasomotor dysfunction in patients with coronary artery disease. <i>Circulation</i> , 1999 , 99, 3234-40	16.7	317
194	Physical inactivity rapidly induces insulin resistance and microvascular dysfunction in healthy volunteers. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2650-6	9.4	307
193	Serum myeloperoxidase levels independently predict endothelial dysfunction in humans. <i>Circulation</i> , 2004 , 110, 1134-9	16.7	293
192	Hydrogen peroxide activates endothelial nitric-oxide synthase through coordinated phosphorylation and dephosphorylation via a phosphoinositide 3-kinase-dependent signaling pathway. <i>Journal of Biological Chemistry</i> , 2002 , 277, 6017-24	5.4	293
191	Treatment of hypertension with ascorbic acid. <i>Lancet, The</i> , 1999 , 354, 2048-9	40	262
190	Ascorbic acid enhances endothelial nitric-oxide synthase activity by increasing intracellular tetrahydrobiopterin. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17399-406	5.4	260
189	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	15.9	236
188	Pathophysiological role of oxidative stress in systolic and diastolic heart failure and its therapeutic implications. <i>European Heart Journal</i> , 2015 , 36, 2555-64	9.5	227
187	alpha-tocopherol inhibits aggregation of human platelets by a protein kinase C-dependent mechanism. <i>Circulation</i> , 1996 , 94, 2434-40	16.7	221
186	Vitamin K and vitamin D status: associations with inflammatory markers in the Framingham Offspring Study. <i>American Journal of Epidemiology</i> , 2008 , 167, 313-20	3.8	214
185	NADPH oxidase 4 promotes endothelial angiogenesis through endothelial nitric oxide synthase activation. <i>Circulation</i> , 2011 , 124, 731-40	16.7	209
184	AMPK inhibits fatty acid-induced increases in NF-kappaB transactivation in cultured human umbilical vein endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 1204-9 ^{3,4}		206
183	Iron chelation improves endothelial function in patients with coronary artery disease. <i>Circulation</i> , 2001 , 103, 2799-804	16.7	205
182	Predictive value of reactive hyperemia for cardiovascular events in patients with peripheral arterial disease undergoing vascular surgery. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2113-9 ^{9,4}		200
181	Are ACE inhibitors a "magic bullet" against oxidative stress?. <i>Circulation</i> , 2001 , 104, 1571-4	16.7	196

180	Large-scale genomic studies reveal central role of ABO in sP-selectin and sICAM-1 levels. <i>Human Molecular Genetics</i> , 2010 , 19, 1863-72	5.6	186
179	Contribution of clinical correlates and 13 C-reactive protein gene polymorphisms to interindividual variability in serum C-reactive protein level. <i>Circulation</i> , 2006 , 113, 1415-23	16.7	183
178	CCL2 polymorphisms are associated with serum monocyte chemoattractant protein-1 levels and myocardial infarction in the Framingham Heart Study. <i>Circulation</i> , 2005 , 112, 1113-20	16.7	177
177	Brachial artery vasodilator function and systemic inflammation in the Framingham Offspring Study. <i>Circulation</i> , 2004 , 110, 3604-9	16.7	174
176	Increased susceptibility to pulmonary hypertension in heterozygous BMPR2-mutant mice. <i>Circulation</i> , 2005 , 112, 553-62	16.7	170
175	c-Jun N-terminal kinase activation by hydrogen peroxide in endothelial cells involves SRC-dependent epidermal growth factor receptor transactivation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16045-50	5.4	170
174	Association of oxidative stress, insulin resistance, and diabetes risk phenotypes: the Framingham Offspring Study. <i>Diabetes Care</i> , 2007 , 30, 2529-35	14.6	165
173	Acute ECGG supplementation reverses endothelial dysfunction in patients with coronary artery disease. <i>Journal of the American College of Nutrition</i> , 2007 , 26, 95-102	3.5	160
172	Systemic inflammation and COPD: the Framingham Heart Study. <i>Chest</i> , 2008 , 133, 19-25	5.3	152
171	Atherosclerosis, oxidative stress, and antioxidant protection in endothelium-derived relaxing factor action. <i>Progress in Cardiovascular Diseases</i> , 1995 , 38, 129-54	8.5	150
170	Effect of exercise on upper and lower extremity endothelial function in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 2002 , 90, 124-7	3	147
169	Impaired platelet production of nitric oxide predicts presence of acute coronary syndromes. <i>Circulation</i> , 1998 , 98, 1481-6	16.7	145
168	Short- and long-term COX-2 inhibition reverses endothelial dysfunction in patients with hypertension. <i>Hypertension</i> , 2003 , 42, 310-5	8.5	137
167	Beyond LDL oxidation: ROS in vascular signal transduction. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 117-32	7.8	130
166	Pharmacological concentrations of ascorbic acid are required for the beneficial effect on endothelial vasomotor function in hypertension. <i>Hypertension</i> , 2000 , 35, 936-41	8.5	130
165	Vitamin E and vascular homeostasis: implications for atherosclerosis. <i>FASEB Journal</i> , 1999 , 13, 965-75	0.9	130
164	Coronary artery perforation during excimer laser coronary angioplasty. The percutaneous Excimer Laser Coronary Angioplasty Registry. <i>Journal of the American College of Cardiology</i> , 1993 , 21, 1158-65	15.1	127
163	Vascular superoxide dismutase deficiency impairs endothelial vasodilator function through direct inactivation of nitric oxide and increased lipid peroxidation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 2975-81	9.4	121

162	Relations of inflammatory biomarkers and common genetic variants with arterial stiffness and wave reflection. <i>Hypertension</i> , 2008 , 51, 1651-7	8.5	120
161	Effects of black tea consumption on plasma catechins and markers of oxidative stress and inflammation in patients with coronary artery disease. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 499-506	7.8	119
160	Oxidative stress, antioxidants, and endothelial function. <i>Current Medicinal Chemistry</i> , 2004 , 11, 1093-104	4.3	118
159	Oral antioxidant therapy improves endothelial function in Type 1 but not Type 2 diabetes mellitus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H2392-8	5.2	113
158	Biomarkers of the osteoprotegerin pathway: clinical correlates, subclinical disease, incident cardiovascular disease, and mortality. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1849-54	9.4	111
157	Activation of endothelial nitric-oxide synthase by the p38 MAPK in response to black tea polyphenols. <i>Journal of Biological Chemistry</i> , 2004 , 279, 46637-43	5.4	110
156	Relation of multiple inflammatory biomarkers to incident atrial fibrillation. <i>American Journal of Cardiology</i> , 2009 , 104, 92-6	3	109
155	Differential effects of diabetes on the expression of the gp91phox homologues nox1 and nox4. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 381-91	7.8	108
154	Antioxidant protection of LDL by physiological concentrations of 17 beta-estradiol. Requirement for estradiol modification. <i>Circulation</i> , 1997 , 95, 1378-85	16.7	104
153	Association of multiple inflammatory markers with carotid intimal medial thickness and stenosis (from the Framingham Heart Study). <i>American Journal of Cardiology</i> , 2007 , 99, 1598-602	3	101
152	Central role of mitochondrial aldehyde dehydrogenase and reactive oxygen species in nitroglycerin tolerance and cross-tolerance. <i>Journal of Clinical Investigation</i> , 2004 , 113, 482-9	15.9	100
151	Relation of smoking status to a panel of inflammatory markers: the framingham offspring. <i>Atherosclerosis</i> , 2008 , 201, 217-24	3.1	98
150	Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 920-6	4.3	97
149	Duffy antigen receptor for chemokines (Darc) polymorphism regulates circulating concentrations of monocyte chemoattractant protein-1 and other inflammatory mediators. <i>Blood</i> , 2010 , 115, 5289-99	2.2	96
148	Regulation of angiogenesis by glycogen synthase kinase-3beta. <i>Journal of Biological Chemistry</i> , 2002 , 277, 41888-96	5.4	96
147	Genome-wide association with select biomarker traits in the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007 , 8 Suppl 1, S11	2.1	94
146	Mitochondrial function is required for hydrogen peroxide-induced growth factor receptor transactivation and downstream signaling. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35079-86	5.4	94
145	Effect of medical and surgical weight loss on endothelial vasomotor function in obese patients. <i>American Journal of Cardiology</i> , 2005 , 95, 266-8	3	94

144	Evolving concepts of oxidative stress and reactive oxygen species in cardiovascular disease. <i>Current Atherosclerosis Reports</i> , 2012 , 14, 476-83	6	93
143	Estradiol-mediated endothelial nitric oxide synthase association with heat shock protein 90 requires adenosine monophosphate-dependent protein kinase. <i>Circulation</i> , 2005 , 111, 3473-80	16.7	93
142	Effects of race and hypertension on flow-mediated and nitroglycerin-mediated dilation of the brachial artery. <i>Hypertension</i> , 2001 , 38, 1349-54	8.5	93
141	Genome scan of systemic biomarkers of vascular inflammation in the Framingham Heart Study: evidence for susceptibility loci on 1q. <i>Atherosclerosis</i> , 2005 , 182, 307-14	3.1	91
140	Effect of ascorbic acid treatment on conduit vessel endothelial dysfunction in patients with hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H528-34	5.2	89
139	Increased plasma levels of lipid hydroperoxides in patients with ischemic stroke. <i>Free Radical Biology and Medicine</i> , 1998 , 25, 561-7	7.8	85
138	Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction. <i>Circulation</i> , 2008 , 1	16.7	84
137	Short-Term Exposure to Air Pollution and Biomarkers of Oxidative Stress: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	81
136	Plasma microRNAs are associated with atrial fibrillation and change after catheter ablation (the miRhythm study). <i>Heart Rhythm</i> , 2015 , 12, 3-10	6.7	78
135	Suppression of the JNK pathway by induction of a metabolic stress response prevents vascular injury and dysfunction. <i>Circulation</i> , 2008 , 118, 1347-57	16.7	76
134	Eight genetic loci associated with variation in lipoprotein-associated phospholipase A2 mass and activity and coronary heart disease: meta-analysis of genome-wide association studies from five community-based studies. <i>European Heart Journal</i> , 2012 , 33, 238-51	9.5	75
133	Nitrosation of Tryptophan Residue(s) in Serum Albumin and Model Dipeptides. <i>Journal of Biological Chemistry</i> , 1996 , 271, 14271-14279	5.4	75
132	Activation of p53 by oxidative stress involves platelet-derived growth factor-beta receptor-mediated ataxia telangiectasia mutated (ATM) kinase activation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39527-33	5.4	74
131	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). <i>European Heart Journal</i> , 2020 , 41, 2472-2483	9.5	74
130	Effect of acute and chronic tea consumption on platelet aggregation in patients with coronary artery disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 1084-9	9.4	73
129	Oxidative stress and endothelial nitric oxide bioactivity. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 181-94	8.4	72
128	Influence of hyperhomocysteinemia on the cellular redox state--impact on homocysteine-induced endothelial dysfunction. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 1455-61	5.9	72
127	Effects of tobacco cigarettes, e-cigarettes, and waterpipe smoking on endothelial function and clinical outcomes. <i>European Heart Journal</i> , 2020 , 41, 4057-4070	9.5	71

126	Downstream targets and intracellular compartmentalization in Nox signaling. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 2467-80	8.4	70
125	p38 mitogen-activated protein kinase activates eNOS in endothelial cells by an estrogen receptor alpha-dependent pathway in response to black tea polyphenols. <i>Circulation Research</i> , 2005 , 96, 1072-8	15.7	70
124	Reactive oxygen species-mediated signal transduction in the endothelium. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004 , 11, 109-21		70
123	Hyperglycemia increases endothelial superoxide that impairs smooth muscle cell Na ⁺ -K ⁺ -ATPase activity. <i>American Journal of Physiology - Cell Physiology</i> , 2002 , 282, C560-6	5.4	69
122	Cytokine-stimulated GTP cyclohydrolase I expression in endothelial cells requires coordinated activation of nuclear factor-kappaB and Stat1/Stat3. <i>Circulation Research</i> , 2005 , 96, 164-71	15.7	68
121	Decreased neointimal formation in Nox2-deficient mice reveals a direct role for NADPH oxidase in the response to arterial injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13014-9	11.5	66
120	Short-Term Exposure to Ambient Air Pollution and Biomarkers of Systemic Inflammation: The Framingham Heart Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1793-1800	9.4	65
119	Hypochlorous acid impairs endothelium-derived nitric oxide bioactivity through a superoxide-dependent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2028-33	9.4	65
118	Multiple inflammatory biomarkers in relation to cardiovascular events and mortality in the community. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1728-33	9.4	63
117	Effects of Concord grape juice on ambulatory blood pressure in prehypertension and stage 1 hypertension. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 1052-9	7	63
116	Low plasma ascorbic acid independently predicts the presence of an unstable coronary syndrome. <i>Journal of the American College of Cardiology</i> , 1998 , 31, 980-6	15.1	63
115	Effect of combined treatment with alpha-Lipoic acid and acetyl-L-carnitine on vascular function and blood pressure in patients with coronary artery disease. <i>Journal of Clinical Hypertension</i> , 2007 , 9, 249-55	2.3	62
114	Reactive oxygen species in endothelial function - from disease to adaptation -. <i>Circulation Journal</i> , 2015 , 79, 1145-55	2.9	61
113	Acute effects of vasoactive drug treatment on brachial artery reactivity. <i>Journal of the American College of Cardiology</i> , 2002 , 40, 761-5	15.1	61
112	Pericardial fat volume correlates with inflammatory markers: the Framingham Heart Study. <i>Obesity</i> , 2010 , 18, 1039-45	8	60
111	Acute hypertriglyceridemia is associated with peripheral vasodilation and increased basal flow in healthy young adults. <i>American Journal of Cardiology</i> , 2001 , 88, 153-9	3	59
110	AMP-activated protein kinase preserves endothelial function during chronic angiotensin II treatment by limiting Nox2 upregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 560-6	9.4	57
109	Non-invasive assessment of brachial artery endothelial vasomotor function: the effect of cuff position on level of discomfort and vasomotor responses. <i>Vascular Medicine</i> , 1998 , 3, 263-7	3.3	57

108	Nitroglycerin is superior to diltiazem as a coronary bypass conduit vasodilator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999 , 117, 906-11	1.5	57
107	Circulating ghrelin, leptin, and soluble leptin receptor concentrations and cardiometabolic risk factors in a community-based sample. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 3149-57	5.6	56
106	The relationship between aldosterone, oxidative stress, and inflammation in chronic, stable human heart failure. <i>Journal of Cardiac Failure</i> , 2006 , 12, 122-7	3.3	55
105	L-Homocysteine and L-homocysteine stereospecifically induce endothelial nitric oxide synthase-dependent lipid peroxidation in endothelial cells. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 632-40	7.8	55
104	Antioxidant protection of LDL by physiologic concentrations of estrogens is specific for 17-beta-estradiol. <i>Atherosclerosis</i> , 1998 , 138, 255-62	3.1	53
103	Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The Framingham Offspring Study. <i>Atherosclerosis</i> , 2009 , 203, 509-14	3.1	52
102	Endothelial NADPH oxidase 4 protects ApoE ^{-/-} mice from atherosclerotic lesions. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 1-7	7.8	51
101	Vitamin E inhibition of platelet aggregation is independent of antioxidant activity. <i>Journal of Nutrition</i> , 2001 , 131, 374S-7S	4.1	51
100	Oxidized lipid accumulates in the presence of α -tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002 , 363, 753-760	3.8	50
99	Diabetes, oxidative stress, and platelet activation. <i>Circulation</i> , 1999 , 99, 189-91	16.7	50
98	Relationship among circulating inflammatory proteins, platelet gene expression, and cardiovascular risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2666-73	9.4	49
97	α -Tocopherol and protein kinase C inhibition enhance platelet-derived nitric oxide release. <i>FASEB Journal</i> , 2000 , 14, 2377-9	0.9	49
96	Circulating Cell and Plasma microRNA Profiles Differ between Non-ST-Segment and ST-Segment-Elevation Myocardial Infarction. <i>Family Medicine & Medical Science Research</i> , 2013 , 2, 108		48
95	The relation of genetic and environmental factors to systemic inflammatory biomarker concentrations. <i>Circulation: Cardiovascular Genetics</i> , 2009 , 2, 229-37		47
94	Cardiometabolic correlates and heritability of fetuin-A, retinol-binding protein 4, and fatty-acid binding protein 4 in the Framingham Heart Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1943-7	5.6	47
93	Effect of iron overload and iron deficiency on atherosclerosis in the hypercholesterolemic rabbit. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 2638-45	9.4	47
92	Nitroglycerin is preferable to diltiazem for prevention of coronary bypass conduit spasm. <i>Annals of Thoracic Surgery</i> , 2000 , 70, 883-8; discussion 888-9	2.7	46
91	A pragmatic view of the new cholesterol treatment guidelines. <i>New England Journal of Medicine</i> , 2014 , 370, 275-8	59.2	45

90	Relations of inflammation and novel risk factors to valvular calcification. <i>American Journal of Cardiology</i> , 2006 , 97, 1502-5	3	45
89	Exercise--toning up the endothelium?. <i>New England Journal of Medicine</i> , 2000 , 342, 503-5	59.2	45
88	Endoscopic versus conventional radial artery harvest for coronary artery bypass grafting: functional and histologic assessment of the conduit. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 388-94	15.1	44
87	Heritability and correlates of intercellular adhesion molecule-1 in the Framingham Offspring Study. <i>Journal of the American College of Cardiology</i> , 2004 , 44, 168-73	15.1	44
86	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 267-76	37.6	43
85	Metabolic syndrome and inflammatory biomarkers: a community-based cross-sectional study at the Framingham Heart Study. <i>Diabetology and Metabolic Syndrome</i> , 2012 , 4, 28	5.6	42
84	EGF receptor-dependent JNK activation is involved in arsenite-induced p21Cip1/Waf1 upregulation and endothelial apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H99-H107	5.2	39
83	Clinical correlates of change in inflammatory biomarkers: The Framingham Heart Study. <i>Atherosclerosis</i> , 2013 , 228, 217-23	3.1	38
82	Effect of vitamin E on aortic lipid oxidation and intimal proliferation after arterial injury in cholesterol-fed rabbits. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1245-53	7.8	38
81	YFP photoconversion revisited: confirmation of the CFP-like species. <i>Nature Methods</i> , 2007 , 4, 767-8	21.6	37
80	Lipoic acid and vitamin C potentiate nitric oxide synthesis in human aortic endothelial cells independently of cellular glutathione status. <i>Redox Report</i> , 2002 , 7, 223-7	5.9	35
79	Hydrogen peroxide restrains endothelium-derived nitric oxide bioactivity -- role for iron-dependent oxidative stress. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 681-8	7.8	34
78	Clinical correlates of circulating visfatin levels in a community-based sample. <i>Diabetes Care</i> , 2007 , 30, 1278-80	14.6	34
77	Exhaled carbon monoxide and risk of metabolic syndrome and cardiovascular disease in the community. <i>Circulation</i> , 2010 , 122, 1470-7	16.7	33
76	Ascorbic acid and glutathione modulate the biological activity of S-nitrosoglutathione. <i>Hypertension</i> , 2000 , 36, 291-5	8.5	33
75	Nitric oxide and superoxide detection in human platelets. <i>Methods in Enzymology</i> , 1999 , 301, 61-70	1.7	31
74	Common Statistical Pitfalls in Basic Science Research. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	31
73	Redox control of vascular nitric oxide bioavailability. <i>Antioxidants and Redox Signaling</i> , 2000 , 2, 919-35	8.4	30

72	Clinical and genetic factors associated with lipoprotein-associated phospholipase A2 in the Framingham Heart Study. <i>Atherosclerosis</i> , 2009 , 204, 601-7	3.1	29
71	Clinical and genetic correlates of soluble P-selectin in the community. <i>Journal of Thrombosis and Haemostasis</i> , 2008 , 6, 20-31	15.4	29
70	Hormone Replacement Therapy and Endothelial Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 1867-1869	9.4	29
69	Nutrient sensing by the mitochondrial transcription machinery dictates oxidative phosphorylation. <i>Journal of Clinical Investigation</i> , 2014 , 124, 768-84	15.9	29
68	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 267-268	3.6	28
67	Hdac3 regulates lymphovenous and lymphatic valve formation. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4193-4206	15.9	28
66	PGC-1 β dictates endothelial function through regulation of eNOS expression. <i>Scientific Reports</i> , 2016 , 6, 38210	4.9	28
65	A Simple and Portable Algorithm for Identifying Atrial Fibrillation in the Electronic Medical Record. <i>American Journal of Cardiology</i> , 2016 , 117, 221-5	3	27
64	Uncoupling protein 2 impacts endothelial phenotype via p53-mediated control of mitochondrial dynamics. <i>Circulation Research</i> , 2013 , 113, 891-901	15.7	26
63	Contrasting effects of thiol-modulating agents on endothelial NO bioactivity. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C719-25	5.4	26
62	Cross-Sectional Associations of Computed Tomography (CT)-Derived Adipose Tissue Density and Adipokines: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2016 , 5, e002545	6	25
61	Prospective Relation of Circulating Adipokines to Incident Metabolic Syndrome: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	25
60	Decreased aortic early atherosclerosis in hypercholesterolemic hamsters fed oleic acid-rich TriSun oil compared to linoleic acid-rich sunflower oil. <i>Journal of Nutritional Biochemistry</i> , 2002 , 13, 392-402	6.3	24
59	Glucose enhancement of LDL oxidation is strictly metal ion dependent. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 814-24	7.8	24
58	AMP-activated protein kinase: a stress-responsive kinase with implications for cardiovascular disease. <i>Current Opinion in Pharmacology</i> , 2010 , 10, 111-5	5.1	23
57	AMP-activated protein kinase mediates vascular protective effects of exercise. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1632-41	9.4	23
56	Oxidized lipid accumulates in the presence of alpha-tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002 , 363, 753-60	3.8	23
55	Adipose Tissue Depots and Their Cross-Sectional Associations With Circulating Biomarkers of Metabolic Regulation. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	23

54	The value of inflammation for predicting unstable angina. <i>New England Journal of Medicine</i> , 2002 , 347, 55-7	59.2	22
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