

John F Keane

List of Publications by Year in Descending Order

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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	PGC1 β Regulates the Endothelial Response to Fluid Shear Stress via Telomerase Reverse Transcriptase Control of Heme Oxygenase-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , ATVBAHA121317066	9.4	2
214	Endothelial-transcytosed myeloperoxidase activates endothelial nitric oxide synthase via a phospholipase C-dependent calcium signaling pathway. <i>Free Radical Biology and Medicine</i> , 2021 , 166, 255-264	7.8	1
213	Cigarette Smoking Is Related to Endothelial Dysfunction of Resistance, but Not Conduit Arteries in the General Population-Results From the Gutenberg Health Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 674622	5.4	2
212	Nox4 mediates skeletal muscle metabolic responses to exercise. <i>Molecular Metabolism</i> , 2021 , 45, 101160	8.8	6
211	Mitogen Kinase Kinase (MKK7) Controls Cytokine Production In Vitro and In Vivo in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
210	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
209	Short-term e-cigarette vapor 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>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
208	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
207	Neural JNK3 regulates blood flow recovery after hindlimb ischemia in mice via an Egr1/Creb1 axis. <i>Nature Communications</i> , 2019 , 10, 4223	17.4	15
206	Exercise Rescues Gene Pathways Involved in Vascular Expansion and Promotes Functional Angiogenesis in Subcutaneous White Adipose Tissue. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
205	Heart rate, mortality, and the relation with clinical and subclinical cardiovascular diseases: results from the Gutenberg Health Study. <i>Clinical Research in Cardiology</i> , 2019 , 108, 1313-1323	6.1	14
204	Mitral Valve Repair Versus Replacement in Elderly With Degenerative Disease: Analysis of the STS Adult Cardiac Surgery Database. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 747-753	2.7	16
203	JNK and cardiometabolic dysfunction. <i>Bioscience Reports</i> , 2019 , 39,	4.1	16
202	Endothelial β -AMPK modulates angiotensin II-mediated vascular inflammation and dysfunction. <i>Basic Research in Cardiology</i> , 2019 , 114, 8	11.8	16
201	Short-term exposure to ambient air pollution and circulating biomarkers of endothelial cell activation: The Framingham Heart Study. <i>Environmental Research</i> , 2019 , 171, 36-43	7.9	10
200	β -AMPK deletion in myelomonocytic cells induces a pro-inflammatory phenotype and enhances angiotensin II-induced vascular dysfunction. <i>Cardiovascular Research</i> , 2018 , 114, 1883-1893	9.9	16
199	Association of Parental Obesity and Diabetes Mellitus With Circulating Adipokines in Nonobese Nondiabetic Offspring. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	6

198	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
197	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
196	Mitochondrial retrograde signaling connects respiratory capacity to thermogenic gene expression. <i>Scientific Reports</i> , 2017 , 7, 2013	4.9	11
195	Plasma MicroRNAs Relate to Atrial Fibrillation Recurrence after Catheter Ablation: Longitudinal Findings from the MiRhythm Study. <i>Journal of Clinical & Experimental Cardiology</i> , 2017 , 08,	0	3
194	Activation of Inflammatory and Pro-Thrombotic Pathways in Acute Stress Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 49	5.4	8
193	Hdac3 regulates lymphovenous and lymphatic valve formation. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4193-4206	15.9	28
192	Endothelial AMPK activation induces mitochondrial biogenesis and stress adaptation via eNOS-dependent mTORC1 signaling. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 55-56, 45-53	5	19
191	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
190	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
189	Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development. <i>ELife</i> , 2016 , 5,	8.9	11
188	The molecular basis of the genesis of basal tone in internal anal sphincter. <i>Nature Communications</i> , 2016 , 7, 11358	17.4	19
187	PGC-1 β dictates endothelial function through regulation of eNOS expression. <i>Scientific Reports</i> , 2016 , 6, 38210	4.9	28
186	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
185	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
184	Common Statistical Pitfalls in Basic Science Research. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	31
183	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
182	Endothelial NADPH oxidase 4 protects ApoE ^{-/-} mice from atherosclerotic lesions. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 1-7	7.8	51
181	Joseph A. Vita, MD, 1956-2014. <i>Circulation</i> , 2015 , 131, 432-3	16.7	

180	Joseph A. Vita, MD, 1956-2014. <i>Journal of the American Heart Association</i> , 2015 , 4, e001778	6	5
179	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
178	Reactive oxygen species in endothelial function - from disease to adaptation -. <i>Circulation Journal</i> , 2015 , 79, 1145-55	2.9	61
177	Creating and Maintaining a Successful Service Line in an Academic Medical Center at the Dawn of Value-Based Care: Lessons Learned From the Heart and Vascular Service Line at UMass Memorial Health Care. <i>Academic Medicine</i> , 2015 , 90, 1340-6	3.9	8
176	Association of exhaled carbon monoxide with subclinical cardiovascular disease and their conjoint impact on the incidence of cardiovascular outcomes. <i>European Heart Journal</i> , 2014 , 35, 2980-7	9.5	13
175	A pragmatic view of the new cholesterol treatment guidelines. <i>New England Journal of Medicine</i> , 2014 , 370, 275-8	59.2	45
174	The new cholesterol treatment guidelines. <i>New England Journal of Medicine</i> , 2014 , 370, 1957	59.2	6
173	Nutrient sensing by the mitochondrial transcription machinery dictates oxidative phosphorylation. <i>Journal of Clinical Investigation</i> , 2014 , 124, 768-84	15.9	29
172	Clinical correlates of change in inflammatory biomarkers: The Framingham Heart Study. <i>Atherosclerosis</i> , 2013 , 228, 217-23	3.1	38
171	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
170	Atherosclerotic biomarkers and aortic atherosclerosis by cardiovascular magnetic resonance imaging in the Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2013 , 2, e000307	6	11
169	Uncoupling protein 2 impacts endothelial phenotype via p53-mediated control of mitochondrial dynamics. <i>Circulation Research</i> , 2013 , 113, 891-901	15.7	26
168	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
167	Vascular inflammation and sleep disordered breathing in a community-based cohort. <i>Sleep</i> , 2013 , 36, 763-768C	1.1	21
166	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
165	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
164	Evolving concepts of oxidative stress and reactive oxygen species in cardiovascular disease. <i>Current Atherosclerosis Reports</i> , 2012 , 14, 476-83	6	93
163	Effect of sulfasalazine on inflammation and endothelial function in patients with established coronary artery disease. <i>Vascular Medicine</i> , 2012 , 17, 101-7	3.3	18

162	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
161	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
160	AMP-activated protein kinase mediates vascular protective effects of exercise. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1632-41	9.4	23
159	Chronic activation of AMP-activated protein kinase prevents 20-hydroxyeicosatetraenoic acid-induced endothelial dysfunction. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 328-33	3	15
158	Reactive oxygen species in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 978-92	7.8	526
157	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
156	Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 920-6	4.3	97
155	NADPH oxidase 4 promotes endothelial angiogenesis through endothelial nitric oxide synthase activation. <i>Circulation</i> , 2011 , 124, 731-40	16.7	209
154	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
153	Epigenetic control of angiogenesis via DNA methylation. <i>Circulation</i> , 2011 , 123, 2916-8	16.7	15
152	Immune modulation of atherosclerosis. <i>Circulation</i> , 2011 , 124, e559-60	16.7	14
151	Pericardial fat volume correlates with inflammatory markers: the Framingham Heart Study. <i>Obesity</i> , 2010 , 18, 1039-45	8	60
150	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , 2010 , 16, 279-85	50.5	322
149	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
148	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
147	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
146	Exhaled carbon monoxide and risk of metabolic syndrome and cardiovascular disease in the community. <i>Circulation</i> , 2010 , 122, 1470-7	16.7	33
145	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

144	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
143	Vascular rhythms and adaptation: do your arteries know what time it is?. <i>Circulation</i> , 2009 , 119, 1463-6	16.7	11
142	The relation of genetic and environmental factors to systemic inflammatory biomarker concentrations. <i>Circulation: Cardiovascular Genetics</i> , 2009 , 2, 229-37		47
141	Relation of multiple inflammatory biomarkers to incident atrial fibrillation. <i>American Journal of Cardiology</i> , 2009 , 104, 92-6	3	109
140	Downstream targets and intracellular compartmentalization in Nox signaling. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 2467-80	8.4	70
139	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
138	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
137	Clinical correlates, heritability, and genetic linkage of circulating CD40 ligand in the Framingham Offspring Study. <i>American Heart Journal</i> , 2008 , 156, 1003-1009.e1	4.9	12
136	Relation of smoking status to a panel of inflammatory markers: the framingham offspring. <i>Atherosclerosis</i> , 2008 , 201, 217-24	3.1	98
135	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
134	Relations of inflammatory biomarkers and common genetic variants with arterial stiffness and wave reflection. <i>Hypertension</i> , 2008 , 51, 1651-7	8.5	120
133	Regulation of ROS signal transduction by NADPH oxidase 4 localization. <i>Journal of Cell Biology</i> , 2008 , 181, 1129-39	7.3	386
132	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
131	Systemic inflammation and COPD: the Framingham Heart Study. <i>Chest</i> , 2008 , 133, 19-25	5.3	152
130	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
129	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
128	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
127	Acute EGCG 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

126	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
125	YFP photoconversion revisited: confirmation of the CFP-like species. <i>Nature Methods</i> , 2007 , 4, 767-8	21.6	37
124	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
123	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
122	Clinical correlates of circulating visfatin levels in a community-based sample. <i>Diabetes Care</i> , 2007 , 30, 1278-80	14.6	34
121	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
120	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
119	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
118	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
117	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
116	Relations of inflammation and novel risk factors to valvular calcification. <i>American Journal of Cardiology</i> , 2006 , 97, 1502-5	3	45
115	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	1.5	44
114	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
113	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
112	Cross-sectional correlates of serum heat shock protein 70 in the community. <i>American Journal of Hypertension</i> , 2006 , 19, 227-31; discussion 232-3	2.3	11
111	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
110	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
109	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

108	Increased susceptibility to pulmonary hypertension in heterozygous BMPR2-mutant mice. <i>Circulation</i> , 2005 , 112, 553-62	16.7	170
107	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
106	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
105	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
104	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
103	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
102	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
101	Circulating biomarkers in acute coronary syndromes: something different or more of the same?. <i>Circulation</i> , 2005 , 112, 778-80	16.7	12
100	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
99	Oxidative stress, antioxidants, and endothelial function. <i>Current Medicinal Chemistry</i> , 2004 , 11, 1093-104	4.3	118
98	Serum myeloperoxidase levels independently predict endothelial dysfunction in humans. <i>Circulation</i> , 2004 , 110, 1134-9	16.7	293
97	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
96	Brachial artery vasodilator function and systemic inflammation in the Framingham Offspring Study. <i>Circulation</i> , 2004 , 110, 3604-9	16.7	174
95	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
94	Local shear stress and brachial artery flow-mediated dilation: the Framingham Heart Study. <i>Hypertension</i> , 2004 , 44, 134-9	8.5	318
93	Reactive oxygen species-mediated signal transduction in the endothelium. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004 , 11, 109-21		70
92	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
91	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

90	Coronary endothelial dysfunction is not rapidly reversible with ascorbic acid. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 123-30	7.8	8
89	L-Homocysteine and L-homocystine 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
88	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
87	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
86	Role of oxidative modifications in atherosclerosis. <i>Physiological Reviews</i> , 2004 , 84, 1381-478	47.9	1918
85	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
84	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
83	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
82	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
81	Diabetes mellitus and endothelial dysfunction: a central role for oxidative stress. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2003 , 10, 237-244		3
80	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
79	Beyond LDL oxidation: ROS in vascular signal transduction. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 117-32	7.8	130
78	Effect of short-term antibiotic treatment on Chlamydia pneumoniae and peripheral endothelial function. <i>American Journal of Cardiology</i> , 2003 , 91, 732-5	3	9
77	Effect of atorvastatin on endothelium-dependent vasodilation in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 2003 , 91, 857-60	3	10
76	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
75	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
74	The clinical implications of endothelial dysfunction. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 1149-60	15.1	1219
73	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

72	Oxidative stress and endothelial nitric oxide bioactivity. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 181-94	4.4	72
71	Short- and long-term COX-2 inhibition reverses endothelial dysfunction in patients with hypertension. <i>Hypertension</i> , 2003 , 42, 310-5	8.5	137
70	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
69	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
68	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
67	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
66	Regulation of angiogenesis by glycogen synthase kinase-3beta. <i>Journal of Biological Chemistry</i> , 2002 , 277, 41888-96	5.4	96
65	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
64	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
63	The value of inflammation for predicting unstable angina. <i>New England Journal of Medicine</i> , 2002 , 347, 55-7	59.2	22
62	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
61	Vascular oxidative stress and antioxidant protection in atherosclerosis: what do the clinical trials say?. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2002 , 22, 225-33		6
60	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 267-276	3.6	43
59	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 267-268	3.6	28
58	Oxidized lipid accumulates in the presence of alpha-tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002 , 363, 753-60	3.8	23
57	Oxidized lipid accumulates in the presence of tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002 , 363, 753-760	3.8	50
56	Measurements of redox control of nitric oxide bioavailability. <i>Methods in Enzymology</i> , 2002 , 359, 209-16	1.7	2
55	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

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