

John F Keaney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2809626/publications.pdf>

Version: 2024-02-01

227
papers

31,124
citations

4370

86
h-index

4419

172
g-index

233
all docs

233
docs citations

233
times ranked

33892
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Oxidative Modifications in Atherosclerosis. <i>Physiological Reviews</i> , 2004, 84, 1381-1478.	13.1	2,186
2	The clinical implications of endothelial dysfunction. <i>Journal of the American College of Cardiology</i> , 2003, 42, 1149-1160.	1.2	1,444
3	Antioxidants and Atherosclerotic Heart Disease. <i>New England Journal of Medicine</i> , 1997, 337, 408-416.	13.9	1,224
4	Obesity and Systemic Oxidative Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 434-439.	1.1	1,190
5	Visceral and Subcutaneous Adipose Tissue Volumes Are Cross-Sectionally Related to Markers of Inflammation and Oxidative Stress. <i>Circulation</i> , 2007, 116, 1234-1241.	1.6	779
6	Risk Stratification for Postoperative Cardiovascular Events via Noninvasive Assessment of Endothelial Function. <i>Circulation</i> , 2002, 105, 1567-1572.	1.6	726
7	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, 1769-1775.	1.2	708
8	Endothelial Function. <i>Circulation</i> , 2002, 106, 640-642.	1.6	666
9	Cholesterol Reduction in Cardiovascular Disease – Clinical Benefits and Possible Mechanisms. <i>New England Journal of Medicine</i> , 1995, 332, 512-521.	13.9	645
10	Reactive oxygen species in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2011, 51, 978-992.	1.3	638
11	Homocyst(e)ine Decreases Bioavailable Nitric Oxide by a Mechanism Involving Glutathione Peroxidase. <i>Journal of Biological Chemistry</i> , 1997, 272, 17012-17017.	1.6	589
12	Clinical Correlates and Heritability of Flow-Mediated Dilation in the Community. <i>Circulation</i> , 2004, 109, 613-619.	1.6	551
13	Ascorbic Acid Reverses Endothelial Vasomotor Dysfunction in Patients With Coronary Artery Disease. <i>Circulation</i> , 1996, 93, 1107-1113.	1.6	467
14	Insulin resistance, oxidative stress, hypertension, and leukocyte telomere length in men from the Framingham Heart Study. <i>Aging Cell</i> , 2006, 5, 325-330.	3.0	465
15	Meta-Analysis of Genome-Wide Association Studies in >80 000 Subjects Identifies Multiple Loci for C-Reactive Protein Levels. <i>Circulation</i> , 2011, 123, 731-738.	1.6	461
16	Regulation of ROS signal transduction by NADPH oxidase 4 localization. <i>Journal of Cell Biology</i> , 2008, 181, 1129-1139.	2.3	420
17	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , 2010, 16, 279-285.	15.2	418
18	Association of Nitrotyrosine Levels With Cardiovascular Disease and Modulation by Statin Therapy. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 1675.	3.8	401

#	ARTICLE	IF	CITATIONS
19	Physical Inactivity Rapidly Induces Insulin Resistance and Microvascular Dysfunction in Healthy Volunteers. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2650-2656.	1.1	372
20	Ascorbate Prevents the Interaction of Superoxide and Nitric Oxide Only at Very High Physiological Concentrations. <i>Circulation Research</i> , 1998, 83, 916-922.	2.0	367
21	Local Shear Stress and Brachial Artery Flow-Mediated Dilation. <i>Hypertension</i> , 2004, 44, 134-139.	1.3	361
22	Long-Term Ascorbic Acid Administration Reverses Endothelial Vasomotor Dysfunction in Patients With Coronary Artery Disease. <i>Circulation</i> , 1999, 99, 3234-3240.	1.6	358
23	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, 6017-6024.	1.6	339
24	Serum Myeloperoxidase Levels Independently Predict Endothelial Dysfunction in Humans. <i>Circulation</i> , 2004, 110, 1134-1139.	1.6	332
25	Ascorbic Acid Enhances Endothelial Nitric-oxide Synthase Activity by Increasing Intracellular Tetrahydrobiopterin. <i>Journal of Biological Chemistry</i> , 2000, 275, 17399-17406.	1.6	310
26	Treatment of hypertension with ascorbic acid. <i>Lancet, The</i> , 1999, 354, 2048-2049.	6.3	307
27	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
28	Î±-Tocopherol Inhibits Aggregation of Human Platelets by a Protein Kinase C α -Dependent Mechanism. <i>Circulation</i> , 1996, 94, 2434-2440.	1.6	270
29	Vitamin K and Vitamin D Status: Associations with Inflammatory Markers in the Framingham Offspring Study. <i>American Journal of Epidemiology</i> , 2007, 167, 313-320.	1.6	269
30	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
31	Iron Chelation Improves Endothelial Function in Patients With Coronary Artery Disease. <i>Circulation</i> , 2001, 103, 2799-2804.	1.6	235
32	Large-scale genomic studies reveal central role of ABO in sP-selectin and sICAM-1 levels. <i>Human Molecular Genetics</i> , 2010, 19, 1863-1872.	1.4	233
33	NADPH Oxidase 4 Promotes Endothelial Angiogenesis Through Endothelial Nitric Oxide Synthase Activation. <i>Circulation</i> , 2011, 124, 731-740.	1.6	232
34	Are ACE Inhibitors a "Magic Bullet" Against Oxidative Stress?. <i>Circulation</i> , 2001, 104, 1571-1574.	1.6	229
35	AMPK inhibits fatty acid-induced increases in NF-Î²B transactivation in cultured human umbilical vein endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 1204-1209.	1.0	228
36	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, 2113-2119.	1.1	223

#	ARTICLE	IF	CITATIONS
37	CCL2 Polymorphisms Are Associated With Serum Monocyte Chemoattractant Protein-1 Levels and Myocardial Infarction in the Framingham Heart Study. <i>Circulation</i> , 2005, 112, 1113-1120.	1.6	210
38	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, 1415-1423.	1.6	204
39	Brachial Artery Vasodilator Function and Systemic Inflammation in the Framingham Offspring Study. <i>Circulation</i> , 2004, 110, 3604-3609.	1.6	198
40	Association of Oxidative Stress, Insulin Resistance, and Diabetes Risk Phenotypes. <i>Diabetes Care</i> , 2007, 30, 2529-2535.	4.3	198
41	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
42	Increased Susceptibility to Pulmonary Hypertension in Heterozygous BMPR2-Mutant Mice. <i>Circulation</i> , 2005, 112, 553-562.	1.6	190
43	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.	1.1	187
44	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, 16045-16050.	1.6	182
45	Systemic Inflammation and COPD. <i>Chest</i> , 2008, 133, 19-25.	0.4	178
46	Atherosclerosis, oxidative stress, and antioxidant protection in endothelium-derived relaxing factor action. <i>Progress in Cardiovascular Diseases</i> , 1995, 38, 129-154.	1.6	174
47	Effect of exercise on upper and lower extremity endothelial function in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 2002, 90, 124-127.	0.7	170
48	Impaired Platelet Production of Nitric Oxide Predicts Presence of Acute Coronary Syndromes. <i>Circulation</i> , 1998, 98, 1481-1486.	1.6	168
49	Beyond LDL oxidation: ROS in vascular signal transduction. <i>Free Radical Biology and Medicine</i> , 2003, 35, 117-132.	1.3	154
50	Short- and Long-Term COX-2 Inhibition Reverses Endothelial Dysfunction in Patients With Hypertension. <i>Hypertension</i> , 2003, 42, 310-315.	1.3	152
51	Vitamin E and vascular homeostasis: implications for atherosclerosis. <i>FASEB Journal</i> , 1999, 13, 965-975.	0.2	144
52	Pharmacological Concentrations of Ascorbic Acid Are Required for the Beneficial Effect on Endothelial Vasomotor Function in Hypertension. <i>Hypertension</i> , 2000, 35, 936-941.	1.3	144
53	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.	1.3	143
54	Relations of Inflammatory Biomarkers and Common Genetic Variants With Arterial Stiffness and Wave Reflection. <i>Hypertension</i> , 2008, 51, 1651-1657.	1.3	141

#	ARTICLE	IF	CITATIONS
55	Coronary artery perforation during excimer laser coronary angioplasty. <i>Journal of the American College of Cardiology</i> , 1993, 21, 1158-1165.	1.2	139
56	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.	1.0	139
57	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, 2975-2981.	1.1	137
58	Oxidative Stress, Antioxidants, and Endothelial Function. <i>Current Medicinal Chemistry</i> , 2004, 11, 1093-1104.	1.2	134
59	Antioxidant Protection of LDL by Physiological Concentrations of 17 β -Estradiol. <i>Circulation</i> , 1997, 95, 1378-1385.	1.6	133
60	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	132
61	Relation of Multiple Inflammatory Biomarkers to Incident Atrial Fibrillation. <i>American Journal of Cardiology</i> , 2009, 104, 92-96.	0.7	131
62	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-H2398.	1.5	130
63	Biomarkers of the Osteoprotegerin Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1849-1854.	1.1	127
64	Activation of Endothelial Nitric-oxide Synthase by the p38 MAPK in Response to Black Tea Polyphenols. <i>Journal of Biological Chemistry</i> , 2004, 279, 46637-46643.	1.6	123
65	Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 920-926.	0.4	117
66	Differential effects of diabetes on the expression of the gp91phox homologues nox1 and nox4. <i>Free Radical Biology and Medicine</i> , 2005, 39, 381-391.	1.3	115
67	Duffy antigen receptor for chemokines (Darc) polymorphism regulates circulating concentrations of monocyte chemoattractant protein-1 and other inflammatory mediators. <i>Blood</i> , 2010, 115, 5289-5299.	0.6	113
68	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, 1598-1602.	0.7	112
69	Regulation of Angiogenesis by Glycogen Synthase Kinase-3 β . <i>Journal of Biological Chemistry</i> , 2002, 277, 41888-41896.	1.6	111
70	Genome-wide association with select biomarker traits in the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007, 8, S11.	2.1	111
71	Relation of smoking status to a panel of inflammatory markers: The Framingham offspring. <i>Atherosclerosis</i> , 2008, 201, 217-224.	0.4	110
72	Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction. <i>Circulation</i> , 2008, 118, 1347-1357.	1.6	110

#	ARTICLE	IF	CITATIONS
73	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, .	1.6	109
74	Short-Term Exposure to Ambient Air Pollution and Biomarkers of Systemic Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1793-1800.	1.1	109
75	Proof That Lower Is Better – LDL Cholesterol and IMPROVE-IT. <i>New England Journal of Medicine</i> , 2015, 372, 2448-2450.	13.9	108
76	Effects of Race and Hypertension on Flow-Mediated and Nitroglycerin-Mediated Dilatation of the Brachial Artery. <i>Hypertension</i> , 2001, 38, 1349-1354.	1.3	105
77	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-H534.	1.5	104
78	Effect of medical and surgical weight loss on endothelial vasomotor function in obese patients. <i>American Journal of Cardiology</i> , 2005, 95, 266-268.	0.7	104
79	Mitochondrial Function Is Required for Hydrogen Peroxide-induced Growth Factor Receptor Transactivation and Downstream Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 35079-35086.	1.6	103
80	Evolving Concepts of Oxidative Stress and Reactive Oxygen Species in Cardiovascular Disease. <i>Current Atherosclerosis Reports</i> , 2012, 14, 476-483.	2.0	102
81	Estradiol-Mediated Endothelial Nitric Oxide Synthase Association With Heat Shock Protein 90 Requires Adenosine Monophosphate-Dependent Protein Kinase. <i>Circulation</i> , 2005, 111, 3473-3480.	1.6	101
82	Plasma microRNAs are associated with atrial fibrillation and change after catheter ablation (the Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.3	101
83	Genome scan of systemic biomarkers of vascular inflammation in the Framingham Heart Study: Evidence for susceptibility loci on 1q. <i>Atherosclerosis</i> , 2005, 182, 307-314.	0.4	96
84	Increased plasma levels of lipid hydroperoxides in patients with ischemic stroke. <i>Free Radical Biology and Medicine</i> , 1998, 25, 561-567.	1.3	95
85	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.	1.4	90
86	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, 238-251.	1.0	89
87	Reactive Oxygen Species-Mediated Signal Transduction in the Endothelium. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 109-121.	1.7	86
88	Nitrosation of Tryptophan Residue(s) in Serum Albumin and Model Dipeptides. <i>Journal of Biological Chemistry</i> , 1996, 271, 14271-14279.	1.6	84
89	Downstream Targets and Intracellular Compartmentalization in Nox Signaling. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2467-2480.	2.5	84
90	Multiple Inflammatory Biomarkers in Relation to Cardiovascular Events and Mortality in the Community. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1728-1733.	1.1	83

#	ARTICLE	IF	CITATIONS
91	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, 1084-1089.	1.1	81
92	Activation of p53 by Oxidative Stress Involves Platelet-derived Growth Factor- β Receptor-mediated Ataxia Telangiectasia Mutated (ATM) Kinase Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 39527-39533.	1.6	81
93	p38 Mitogen-Activated Protein Kinase Activates eNOS in Endothelial Cells by an Estrogen Receptor β -Dependent Pathway in Response to Black Tea Polyphenols. <i>Circulation Research</i> , 2005, 96, 1072-1078.	2.0	81
94	Effect of Combined Treatment With α -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, 249-255.	1.0	81
95	Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction. <i>Circulation</i> , 2008, 118, 1347-1357.	1.6	81
96	Oxidative Stress and Endothelial Nitric Oxide Bioactivity. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 181-194.	2.5	80
97	Hypochlorous Acid Impairs Endothelium-Derived Nitric Oxide Bioactivity Through a Superoxide-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 2028-2033.	1.1	77
98	Hyperglycemia increases endothelial superoxide that impairs smooth muscle cell Na ⁺ -K ⁺ -ATPase activity. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C560-C566.	2.1	76
99	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, 13014-13019.	3.3	75
100	Reactive Oxygen Species in Endothelial Function—“From Disease to Adaptation”. <i>Circulation Journal</i> , 2015, 79, 1145-1155.	0.7	75
101	Cytokine-Stimulated GTP Cyclohydrolase I Expression in Endothelial Cells Requires Coordinated Activation of Nuclear Factor- κ B and Stat1/Stat3. <i>Circulation Research</i> , 2005, 96, 164-171.	2.0	74
102	Low Plasma Ascorbic Acid Independently Predicts the Presence of an Unstable Coronary Syndrome 11Dr. Vita is supported by Grants HL-53398 and HL-559993, and Dr. Frei by Grants HL-49954 and HL-56170, from the National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland. Dr. Frei is also supported by Grant ES-06593 from the National Institute of Environmental Health Sciences, National Institutes of Health. Dr. Keaney is the recipient of a Clinical Investigator Development Award. <i>Journal of the American College of Cardiology</i> , 1998, 31, 980-986.	1.2	71
103	Vitamin E Inhibition of Platelet Aggregation Is Independent of Antioxidant Activity. <i>Journal of Nutrition</i> , 2001, 131, 374S-377S.	1.3	71
104	Effects of Concord grape juice on ambulatory blood pressure in prehypertension and stage 1 hypertension. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1052-1059.	2.2	69
105	Pericardial Fat Volume Correlates With Inflammatory Markers: The Framingham Heart Study. <i>Obesity</i> , 2010, 18, 1039-1045.	1.5	68
106	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, 632-640.	1.3	67
107	The Relationship Between Aldosterone, Oxidative Stress, and Inflammation in Chronic, Stable Human Heart Failure. <i>Journal of Cardiac Failure</i> , 2006, 12, 122-127.	0.7	67
108	β 1AMP-Activated Protein Kinase Preserves Endothelial Function During Chronic Angiotensin II Treatment by Limiting Nox2 Upregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 560-566.	1.1	65

#	ARTICLE	IF	CITATIONS
109	Nitroglycerin is superior to diltiazem as a coronary bypass conduit vasodilator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999, 117, 906-911.	0.4	64
110	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, 3149-3157.	1.8	64
111	Endothelial NADPH oxidase 4 protects ApoE ^{-/-} mice from atherosclerotic lesions. <i>Free Radical Biology and Medicine</i> , 2015, 89, 1-7.	1.3	64
112	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, 263-267.	0.8	63
113	Acute effects of vasoactive drug treatment on brachial artery reactivity. <i>Journal of the American College of Cardiology</i> , 2002, 40, 761-765.	1.2	63
114	Acute hypertriglyceridemia is associated with peripheral vasodilation and increased basal flow in healthy young adults. <i>American Journal of Cardiology</i> , 2001, 88, 153-159.	0.7	62
115	Antioxidant protection of LDL by physiologic concentrations of estrogens is specific for 17-beta-estradiol. <i>Atherosclerosis</i> , 1998, 138, 255-262.	0.4	61
116	Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The Framingham Offspring Study. <i>Atherosclerosis</i> , 2009, 203, 509-514.	0.4	61
117	Relations of Inflammation and Novel Risk Factors to Valvular Calcification. <i>American Journal of Cardiology</i> , 2006, 97, 1502-1505.	0.7	60
118	Diabetes, Oxidative Stress, and Platelet Activation. <i>Circulation</i> , 1999, 99, 189-191.	1.6	59
119	Oxidative Stress and the Vascular Wall. <i>Circulation</i> , 2005, 112, 2585-2588.	1.6	59
120	Î±-Tocopherol and protein kinase C inhibition enhance platelet-derived nitric oxide release. <i>FASEB Journal</i> , 2000, 14, 2377-2379.	0.2	58
121	The Relation of Genetic and Environmental Factors to Systemic Inflammatory Biomarker Concentrations. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 229-237.	5.1	58
122	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.	1.2	58
123	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, 02, 108.	0.1	58
124	Effect of Iron Overload and Iron Deficiency on Atherosclerosis in the Hypercholesterolemic Rabbit. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2638-2645.	1.1	58
125	A Pragmatic View of the New Cholesterol Treatment Guidelines. <i>New England Journal of Medicine</i> , 2014, 370, 275-278.	13.9	57
126	Common Statistical Pitfalls in Basic Science Research. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	57

#	ARTICLE	IF	CITATIONS
127	Oxidized lipid accumulates in the presence of Î±-tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002, 363, 753-760.	1.7	56
128	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-E1947.	1.8	56
129	Relationship Among Circulating Inflammatory Proteins, Platelet Gene Expression, and Cardiovascular Risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2666-2673.	1.1	56
130	Nitroglycerin is preferable to diltiazem for prevention of coronary bypass conduit spasm. <i>Annals of Thoracic Surgery</i> , 2000, 70, 883-888.	0.7	54
131	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, 388-394.	0.4	54
132	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, 1245-1253.	1.3	51
133	Heritability and correlates of intercellular adhesion molecule-1 in the Framingham Offspring Study. <i>Journal of the American College of Cardiology</i> , 2004, 44, 168-173.	1.2	50
134	Clinical correlates of change in inflammatory biomarkers: The Framingham Heart Study. <i>Atherosclerosis</i> , 2013, 228, 217-223.	0.4	50
135	Exercise â€” Toning up the Endothelium?. <i>New England Journal of Medicine</i> , 2000, 342, 503-505.	13.9	49
136	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.	1.5	46
137	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002, 361, 267-276.	1.7	45
138	Hdac3 regulates lymphovenous and lymphatic valve formation. <i>Journal of Clinical Investigation</i> , 2017, 127, 4193-4206.	3.9	43
139	YFP photoconversion revisited: confirmation of the CFP-like species. <i>Nature Methods</i> , 2007, 4, 767-768.	9.0	42
140	Clinical Correlates of Circulating Visfatin Levels in a Community-Based Sample. <i>Diabetes Care</i> , 2007, 30, 1278-1280.	4.3	41
141	Exhaled Carbon Monoxide and Risk of Metabolic Syndrome and Cardiovascular Disease in the Community. <i>Circulation</i> , 2010, 122, 1470-1477.	1.6	41
142	PGC-1Î± dictates endothelial function through regulation of eNOS expression. <i>Scientific Reports</i> , 2016, 6, 38210.	1.6	41
143	Ascorbic Acid and Glutathione Modulate the Biological Activity of S- Nitrosoglutathione. <i>Hypertension</i> , 2000, 36, 291-295.	1.3	40
144	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.	1.6	38

#	ARTICLE	IF	CITATIONS
145	Hormone Replacement Therapy and Endothelial Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1867-1869.	1.1	38
146	Redox Control of Vascular Nitric Oxide Bioavailability. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 919-935.	2.5	37
147	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, 223-227.	1.4	36
148	A Simple and Portable Algorithm for Identifying Atrial Fibrillation in the Electronic Medical Record. <i>American Journal of Cardiology</i> , 2016, 117, 221-225.	0.7	36
149	Nutrient sensing by the mitochondrial transcription machinery dictates oxidative phosphorylation. <i>Journal of Clinical Investigation</i> , 2014, 124, 768-784.	3.9	36
150	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , 2002, 361, 267.	1.7	35
151	Hydrogen peroxide restrains endothelium-derived nitric oxide bioactivity—Role for iron-dependent oxidative stress. <i>Free Radical Biology and Medicine</i> , 2006, 41, 681-688.	1.3	35
152	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.	0.7	35
153	[7] Nitric oxide and superoxide detection in human platelets. <i>Methods in Enzymology</i> , 1999, 301, 61-70.	0.4	34
154	Oxidized lipid accumulates in the presence of Î±-tocopherol in atherosclerosis. <i>Biochemical Journal</i> , 2002, 363, 753.	1.7	34
155	Clinical and genetic factors associated with lipoprotein-associated phospholipase A2 in the Framingham Heart Study. <i>Atherosclerosis</i> , 2009, 204, 601-607.	0.4	34
156	Uncoupling Protein 2 Impacts Endothelial Phenotype via p53-Mediated Control of Mitochondrial Dynamics. <i>Circulation Research</i> , 2013, 113, 891-901.	2.0	34
157	Prospective Relation of Circulating Adipokines to Incident Metabolic Syndrome: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	34
158	Antioxidant Protection of Low-Density Lipoprotein and Its Role in the Prevention of Atherosclerotic Vascular Disease. , 1994, , 303-351.		33
159	Î±1AMP-Activated Protein Kinase Mediates Vascular Protective Effects of Exercise. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1632-1641.	1.1	32
160	Endothelial Î±1AMPK modulates angiotensin II-mediated vascular inflammation and dysfunction. <i>Basic Research in Cardiology</i> , 2019, 114, 8.	2.5	32
161	Clinical and genetic correlates of soluble Pâ€selectin in the community. <i>Journal of Thrombosis and Haemostasis</i> , 2008, 6, 20-31.	1.9	31
162	Adipose Tissue Depots and Their Crossâ€Sectional Associations With Circulating Biomarkers of Metabolic Regulation. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	30

#	ARTICLE	IF	CITATIONS
163	Vascular Inflammation and Sleep Disordered Breathing in a Community-Based Cohort. <i>Sleep</i> , 2013, 36, 763-768.	0.6	29
164	Postmenopausal Hormone Therapy and Atherosclerosis – Time Is of the Essence. <i>New England Journal of Medicine</i> , 2016, 374, 1279-1280.	13.9	29
165	JNK and cardiometabolic dysfunction. <i>Bioscience Reports</i> , 2019, 39, .	1.1	29
166	Contrasting effects of thiol-modulating agents on endothelial NO bioactivity. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 281, C719-C725.	2.1	28
167	The Value of Inflammation for Predicting Unstable Angina. <i>New England Journal of Medicine</i> , 2002, 347, 55-57.	13.9	28
168	Glucose enhancement of LDL oxidation is strictly metal ion dependent. <i>Free Radical Biology and Medicine</i> , 2000, 29, 814-824.	1.3	27
169	The molecular basis of the genesis of basal tone in internal anal sphincter. <i>Nature Communications</i> , 2016, 7, 11358.	5.8	26
170	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.	1.9	25
171	VITAL Signs for Dietary Supplementation to Prevent Cancer and Heart Disease. <i>New England Journal of Medicine</i> , 2019, 380, 91-93.	13.9	25
172	AMP-activated protein kinase: a stress-responsive kinase with implications for cardiovascular disease. <i>Current Opinion in Pharmacology</i> , 2010, 10, 111-115.	1.7	24
173	Effect of sulfasalazine on inflammation and endothelial function in patients with established coronary artery disease. <i>Vascular Medicine</i> , 2012, 17, 101-107.	0.8	24
174	High-Dose Heparin Decreases Nitric Oxide Production by Cultured Bovine Endothelial Cells. <i>Circulation</i> , 1997, 95, 2115-2121.	1.6	24
175	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.	1.2	23
176	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.	1.8	22
177	Neural JNK3 regulates blood flow recovery after hindlimb ischemia in mice via an Egr1/Creb1 axis. <i>Nature Communications</i> , 2019, 10, 4223.	5.8	22
178	Epigenetic Control of Angiogenesis via DNA Methylation. <i>Circulation</i> , 2011, 123, 2916-2918.	1.6	21
179	Predicting Ischemic Heart Disease in Women. <i>Journal of the American College of Cardiology</i> , 2010, 55, 1697-1699.	1.2	20
180	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.	3.7	20

#	ARTICLE	IF	CITATIONS
181	Vitamins C and E and LDL Oxidation. <i>Vitamins and Hormones</i> , 1996, 52, 1-34.	0.7	19
182	Chronic activation of AMP-activated protein kinase prevents 20-hydroxyeicosatetraenoic acid-induced endothelial dysfunction. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 328-333.	0.9	19
183	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, 2980-2987.	1.0	19
184	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.	1.5	19
185	Activation of Inflammatory and Pro-Thrombotic Pathways in Acute Stress Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 49.	1.1	18
186	Immune Modulation of Atherosclerosis. <i>Circulation</i> , 2011, 124, e559-60.	1.6	17
187	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, 2046.	1.8	17
188	Tamoxifen, esterified estradiol, and physiologic concentrations of estradiol inhibit oxidation of low-density lipoprotein by endothelial cells. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 1060-1063.	0.7	16
189	Nicotine: linking smoking to abdominal aneurysms. <i>Nature Medicine</i> , 2012, 18, 856-858.	15.2	16
190	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.	1.1	16
191	Circulating Biomarkers in Acute Coronary Syndromes. <i>Circulation</i> , 2005, 112, 778-780.	1.6	15
192	Nox4 mediates skeletal muscle metabolic responses to exercise. <i>Molecular Metabolism</i> , 2021, 45, 101160.	3.0	14
193	Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development. <i>ELife</i> , 2016, 5, .	2.8	14
194	Association of Thromboxane Generation With Survival in Aspirin Users and Nonusers. <i>Journal of the American College of Cardiology</i> , 2022, 80, 233-250.	1.2	14
195	Beneficial effects of angiotensin-converting enzyme inhibitors during acute revascularization. <i>Annals of Thoracic Surgery</i> , 1998, 66, 487-492.	0.7	13
196	Balancing the Risks and Benefits of Dual Platelet Inhibition. <i>New England Journal of Medicine</i> , 2015, 372, 1854-1856.	13.9	13
197	Mitochondrial retrograde signaling connects respiratory capacity to thermogenic gene expression. <i>Scientific Reports</i> , 2017, 7, 2013.	1.6	13
198	Effect of atorvastatin on endothelium-dependent vasodilation in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 2003, 91, 857-860.	0.7	12

#	ARTICLE	IF	CITATIONS
199	Cross-Sectional Correlates of Serum Heat Shock Protein 70 in the Community. <i>American Journal of Hypertension</i> , 2006, 19, 227-231.	1.0	12
200	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.	1.2	12
201	Vascular Rhythms and Adaptation. <i>Circulation</i> , 2009, 119, 1463-1466.	1.6	12
202	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.	1.6	12
203	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.	1.3	11
204	Effect of short-term antibiotic treatment on chlamydia pneumoniae and peripheral endothelial function. <i>American Journal of Cardiology</i> , 2003, 91, 732-735.	0.7	10
205	Coronary endothelial dysfunction is not rapidly reversible with ascorbic acid. <i>Free Radical Biology and Medicine</i> , 2004, 36, 123-130.	1.3	10
206	Creating and Maintaining a Successful Service Line in an Academic Medical Center at the Dawn of Value-Based Care. <i>Academic Medicine</i> , 2015, 90, 1340-1346.	0.8	10
207	Association of Parental Obesity and Diabetes Mellitus With Circulating Adipokines in Nonobese Nondiabetic Offspring. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	10
208	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> , 2022, 42, 19-34.	1.1	9
209	The lack of effect of β -carotene on restenosis in cholesterol-fed rabbits. <i>Atherosclerosis</i> , 1996, 123, 157-167.	0.4	8
210	Preparation of lipid hydroperoxide-free low-density lipoproteins. <i>Methods in Enzymology</i> , 1999, 300, 17-23.	0.4	8
211	The New Cholesterol Treatment Guidelines. <i>New England Journal of Medicine</i> , 2014, 370, 1957-1957.	13.9	8
212	CHIP-ping Away at Atherosclerosis. <i>New England Journal of Medicine</i> , 2017, 377, 184-185.	13.9	8
213	Joseph A. Vita, MD, 1956–2014. <i>Journal of the American Heart Association</i> , 2015, 4, e001778.	1.6	7
214	Vascular Oxidative Stress and Antioxidant Protection in Atherosclerosis. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2002, 22, 225-233.	0.5	6
215	Determination of phospholipid oxidation in cultured cells. <i>Methods in Enzymology</i> , 1999, 300, 51-57.	0.4	5
216	Polyplody and dysregulated ROS signaling. <i>Cell Cycle</i> , 2009, 8, 797-798.	1.3	5

#	ARTICLE	IF	CITATIONS
217	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, .	0.0	5
218	Mitogen Kinase Kinase (MKK7) Controls Cytokine Production In Vitro and In Vivo in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9364.	1.8	4
219	Lack of Endothelial $\text{I}\kappa\text{B}$ Reverses the Vascular Protective Effects of Exercise by Causing eNOS Uncoupling. <i>Antioxidants</i> , 2021, 10, 1974.	2.2	4
220	Measurements of redox control of nitric oxide bioavailability. <i>Methods in Enzymology</i> , 2002, 359, 209-216.	0.4	3
221	Diabetes mellitus and endothelial dysfunction: a central role for oxidative stress. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2003, 10, 237-244.	0.6	3
222	P2Y ₁₂ Inhibition in Patients with NSTEMI “ Can Later Be Better?. <i>New England Journal of Medicine</i> , 2013, 369, 1056-1057.	13.9	2
223	Enhanced Nitric Oxide–Mediated Vascular Relaxation in Radial Artery Compared With Internal Mammary Artery or Saphenous Vein. <i>Circulation</i> , 1999, 100, .	1.6	2
224	Atherosclerosis, Oxidative Stress, and Endothelial Function. <i>Developments in Cardiovascular Medicine</i> , 2000, , 155-181.	0.1	1
225	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.	0.2	1
226	Joseph A. Vita, MD, 1956–2014. <i>Circulation</i> , 2015, 131, 432-433.	1.6	0
227	Antioxidants and Endothelium-Derived Nitric Oxide Action. , 2000, , 473-502.		0