David G Harrison

List of Publications by Year in Descending Order

163 papers	22,037 citations	71 h-index	148 g-index
203 ext. papers	24,801 ext. citations	8.4 avg, IF	6.91 L-index

#	Paper	IF	Citations
163	Tissue Sodium in Patients With Early Stage Hypertension: A Randomized Controlled Trial.. *Journal of the American Heart Association*, **2022**, e022723	6	0
162	Therapeutic targeting of inflammation in hypertension: from novel mechanisms to translational perspective. *Cardiovascular Research*, **2021**, 117, 2589-2609	9.9	3
161	Innate immunity and clinical hypertension. *Journal of Human Hypertension*, **2021**,	2.6	3
160	Isolevuglandin-Modified Cardiac Proteins Drive CD4+ T-Cell Activation in the Heart and Promote Cardiac Dysfunction. *Circulation*, **2021**, 143, 1242-1255	16.7	11
159	A call to action for new global approaches to cardiovascular disease drug solutions. *European Heart Journal*, **2021**, 42, 1464-1475	9.5	16
158	Anticytomegalovirus CD4 T Cells Are Associated With Subclinical Atherosclerosis in Persons With HIV. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 1459-1473	9.4	1
157	Pathophysiology of Hypertension: The Mosaic Theory and Beyond. *Circulation Research*, **2021**, 128, 847-863	16.7	22
156	A Call to Action for New Global Approaches to Cardiovascular Disease Drug Solutions. *Circulation*, **2021**, 144, 159-169	16.7	8
155	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. *Cardiovascular Research*, **2021**, 117, 29-42	9.9	53
154	Sodium activates human monocytes via the NADPH oxidase and isolevuglandin formation. *Cardiovascular Research*, **2021**, 117, 1358-1371	9.9	11
153	Growth Arrest Specific-6 and Axl Coordinate Inflammation and Hypertension. *Circulation Research*, **2021**, 129, 975-991	15.7	2
152	Highly Reactive Isolevuglandins Promote Atrial Fibrillation Caused by Hypertension. *JACC Basic To Translational Science*, **2020**, 5, 602-615	8.7	6
151	Report of the National Heart, Lung, and Blood Institute Working Group on Hypertension: Barriers to Translation. *Hypertension*, **2020**, 75, 902-917	8.5	17
150	Inflammation in Hypertension. *Canadian Journal of Cardiology*, **2020**, 36, 635-647	3.8	32
149	Sympathetic Enhancement of Memory T-Cell Homing and Hypertension Sensitization. *Circulation Research*, **2020**, 126, 708-721	15.7	9
148	Tissue sodium stores in peritoneal dialysis and hemodialysis patients determined by 23-sodium magnetic resonance imaging. *Nephrology Dialysis Transplantation*, **2020**,	4.3	7
147	Isolevuglandins as mediators of disease and the development of dicarbonyl scavengers as pharmaceutical interventions. *Pharmacology & Therapeutics*, **2020**, 205, 107418	13.9	9

146	Mitochondrial Deacetylase Sirt3 Reduces Vascular Dysfunction and Hypertension While Sirt3 Depletion in Essential Hypertension Is Linked to Vascular Inflammation and Oxidative Stress. *Circulation Research*, **2020**, 126, 439-452	15.7	80
145	Effects of Interleukin-1 Inhibition on Blood Pressure, Incident Hypertension, and Residual Inflammatory Risk: A Secondary Analysis of CANTOS. *Hypertension*, **2020**, 75, 477-482	8.5	36
144	Mitochondrial Isolevuglandins Contribute to Vascular Oxidative Stress and Mitochondria-Targeted Scavenger of Isolevuglandins Reduces Mitochondrial Dysfunction and Hypertension. *Hypertension*, **2020**, 76, 1980-1991	8.5	5
143	Hypertension and osteoporosis: Common pathophysiological mechanisms. *Medicine in Novel Technology and Devices*, **2020**, 8, 100047	2.1	2
142	Solving Baroreceptor Mystery: Role of PIEZO Ion Channels. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 911-913	12.7	9
141	Scientists on the Spot: Inflammation and translational research-what have we learned from the CIRT trial?. *Cardiovascular Research*, **2019**, 115, e44-e45	9.9	2
140	High Salt Activates CD11c Antigen-Presenting Cells via SGK (Serum Glucocorticoid Kinase) 1 to Promote Renal Inflammation and Salt-Sensitive Hypertension. *Hypertension*, **2019**, 74, 555-563	8.5	49
139	Central EP3 (E Prostanoid 3) Receptors Mediate Salt-Sensitive Hypertension and Immune Activation. *Hypertension*, **2019**, 74, 1507-1515	8.5	12
138	NOX5 as a therapeutic target in cerebral ischemic injury. *Journal of Clinical Investigation*, **2019**, 129, 1530-1532	13.3	8
137	Mitochondrial Deacetylase Sirt3 as a New Target in Cardiovascular Diseases. *FASEB Journal*, **2019**, 33, 693.1	0.9	
136	Serum Glucocorticoid Kinase 1 (SGK1) Expression in Dendritic Cells Contributes to Salt-Induced Hypertension in Mice. *FASEB Journal*, **2019**, 33, 861.1	0.9	
135	Th1-type immune responses to Porphyromonas gingivalis antigens exacerbate angiotensin II-dependent hypertension and vascular dysfunction. *British Journal of Pharmacology*, **2019**, 176, 1922-1931	8.6	22
134	Ronald G. Victor. *Hypertension*, **2019**, 73, 13-14	8.5	
133	Tobacco smoking induces cardiovascular mitochondrial oxidative stress, promotes endothelial dysfunction, and enhances hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H639-H646	5.2	51
132	Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. *Neuro-Oncology*, **2018**, 20, 1055-1067	1	12
131	Mechanisms of VEGF (Vascular Endothelial Growth Factor) Inhibitor-Associated Hypertension and Vascular Disease. *Hypertension*, **2018**, 71, e1-e8	8.5	130
130	Nocturnal noise knocks NOS by Nox: mechanisms underlying cardiovascular dysfunction in response to noise pollution. *European Heart Journal*, **2018**, 39, 3540-3542	9.5	3
129	Oxidative stress induces BH deficiency in male, but not female, SHR. *Bioscience Reports*, **2018**, 38,	4.1	8

128	Glucose metabolism controls disease-specific signatures of macrophage effector functions. *JCI Insight*, **2018**, 3,	9.9	31
127	The Role of Salt, Serum Glucocorticoid Kinase 1, and NADPH Oxidase in Salt-Sensitive Hypertension. *FASEB Journal*, **2018**, 32, 718.18	0.9	
126	High Salt Promotes Human Monocytes Activation In Vitro and In Vivo. *FASEB Journal*, **2018**, 32, 718.17	0.9	
125	Loss of Salt Sensing Kinase, SGK1, in T cells abrogates Memory Cell Formation, Hypertension and End-Organ Damage. *FASEB Journal*, **2018**, 32, 870.1	0.9	
124	Sympathetic Innervation Promotes Bone Marrow Homing of Specific CD8+ Effector Memory T Cells in Hypertension. *FASEB Journal*, **2018**, 32, 918.1	0.9	
123	CD70 Modulates the Role of eNOS In Endothelial Cells. *FASEB Journal*, **2018**, 32, 845.7	0.9	0
122	The immunology of hypertension. *Journal of Experimental Medicine*, **2018**, 215, 21-33	16.6	185
121	Hypertension and increased endothelial mechanical stretch promote monocyte differentiation and activation: roles of STAT3, interleukin 6 and hydrogen peroxide. *Cardiovascular Research*, **2018**, 114, 1547-1563	9.9	70
120	Do high-salt microenvironments drive hypertensive inflammation?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R1-R4	3.2	21
119	High salt intake reprioritizes osmolyte and energy metabolism for body fluid conservation. *Journal of Clinical Investigation*, **2017**, 127, 1944-1959	15.9	96
118	Peer-Based Anatomy Tutoring for First-Year Medical Students: an Analysis of Peer-Tutoring from the Tutors Perspective. *Medical Science Educator*, **2017**, 27, 57-61	0.7	2
117	Dendritic Cell Amiloride-Sensitive Channels Mediate Sodium-Induced Inflammation and Hypertension. *Cell Reports*, **2017**, 21, 1009-1020	10.6	100
116	Sirt3 Impairment and SOD2 Hyperacetylation in Vascular Oxidative Stress and Hypertension. *Circulation Research*, **2017**, 121, 564-574	15.7	115
115	Oxidative Stress and Hypertensive Diseases. *Medical Clinics of North America*, **2017**, 101, 169-193	7	88
114	Association of T Cell and Macrophage Activation with Arterial Vascular Health in HIV. *AIDS Research and Human Retroviruses*, **2017**, 33, 181-186	1.6	24
113	The role of infiltrating immune cells in dysfunctional adipose tissue. *Cardiovascular Research*, **2017**, 113, 1009-1023	9.9	187
112	A salt-sensing kinase in T lymphocytes, SGK1, drives hypertension and hypertensive end-organ damage. *JCI Insight*, **2017**, 2,	9.9	55
111	Pyruvate controls the checkpoint inhibitor PD-L1 and suppresses T cell immunity. *Journal of Clinical Investigation*, **2017**, 127, 2725-2738	15.9	53

110	Immune Mechanisms in Arterial Hypertension. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 677-86	12.7	131
109	BMP Antagonist Gremlin 2 Limits Inflammation After Myocardial Infarction. *Circulation Research*, **2016**, 119, 434-49	15.7	30
108	Activation of Human T Cells in Hypertension: Studies of Humanized Mice and Hypertensive Humans. *Hypertension*, **2016**, 68, 123-32	8.5	126
107	Novel methods for microCT-based analyses of vasculature in the renal cortex reveal a loss of perfusable arterioles and glomeruli in eNOS-/- mice. *BMC Nephrology*, **2016**, 17, 24	2.7	25
106	CD70 Exacerbates Blood Pressure Elevation and Renal Damage in Response to Repeated Hypertensive Stimuli. *Circulation Research*, **2016**, 118, 1233-43	15.7	84
105	Excessive Adventitial Remodeling Leads to Early Aortic Maladaptation in Angiotensin-Induced Hypertension. *Hypertension*, **2016**, 67, 890-896	8.5	70
104	Central Artery Stiffness in Hypertension and Aging: A Problem With Cause and Consequence. *Circulation Research*, **2016**, 118, 379-81	15.7	98
103	Role of chemokine RANTES in the regulation of perivascular inflammation, T-cell accumulation, and vascular dysfunction in hypertension. *FASEB Journal*, **2016**, 30, 1987-99	0.9	133
102	The glycolytic enzyme PKM2 bridges metabolic and inflammatory dysfunction in coronary artery disease. *Journal of Experimental Medicine*, **2016**, 213, 337-54	16.6	268
101	Origin of Matrix-Producing Cells That Contribute to Aortic Fibrosis in Hypertension. *Hypertension*, **2016**, 67, 461-8	8.5	43
100	Immune activation caused by vascular oxidation promotes fibrosis and hypertension. *Journal of Clinical Investigation*, **2016**, 126, 50-67	15.9	116
99	Mitochondrial Cyclophilin D in Vascular Oxidative Stress and Hypertension. *Hypertension*, **2016**, 67, 1218-27	8.5	49
98	Renal Denervation Prevents Immune Cell Activation and Renal Inflammation in Angiotensin II-Induced Hypertension. *Circulation Research*, **2015**, 117, 547-57	15.7	146
97	Memories that last in hypertension. *American Journal of Physiology - Renal Physiology*, **2015**, 308, F1197-9	4.3	27
96	Renal transporter activation during angiotensin-II hypertension is blunted in interferon-γ- and interleukin-17A-/- mice. *Hypertension*, **2015**, 65, 569-76	8.5	121
95	Inflammation, immunity, and hypertensive end-organ damage. *Circulation Research*, **2015**, 116, 1022-33	15.7	396
94	Phage-display-guided nanocarrier targeting to atheroprone vasculature. *ACS Nano*, **2015**, 9, 4435-46	16.7	24
93	Integrative network analysis reveals molecular mechanisms of blood pressure regulation. *Molecular Systems Biology*, **2015**, 11, 799	12.2	72

92	Myeloid Suppressor Cells Accumulate and Regulate Blood Pressure in Hypertension. *Circulation Research*, **2015**, 117, 858-69	15.7	54
91	Hypertension as a Risk Factor for Atherosclerosis **2015**, 63-75		
90	Lymphocyte adaptor protein LNK deficiency exacerbates hypertension and end-organ inflammation. *Journal of Clinical Investigation*, **2015**, 125, 1189-202	15.9	102
89	Nox2-induced production of mitochondrial superoxide in angiotensin II-mediated endothelial oxidative stress and hypertension. *Antioxidants and Redox Signaling*, **2014**, 20, 281-94	8.4	190
88	Selective depletion of vascular EC-SOD augments chronic hypoxic pulmonary hypertension. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 307, L868-76	5.8	33
87	Oligoclonal CD8+ T cells play a critical role in the development of hypertension. *Hypertension*, **2014**, 64, 1108-15	8.5	128
86	Basic science: Pathophysiology: oxidative stress. *Journal of the American Society of Hypertension*, **2014**, 8, 601-3		7
85	Role of vascular oxidative stress in obesity and metabolic syndrome. *Diabetes*, **2014**, 63, 2344-55	0.9	101
84	GTP cyclohydrolase I gene polymorphisms are associated with endothelial dysfunction and oxidative stress in patients with type 2 diabetes mellitus. *PLoS ONE*, **2014**, 9, e108587	3.7	10
83	Inflammation and mechanical stretch promote aortic stiffening in hypertension through activation of p38 mitogen-activated protein kinase. *Circulation Research*, **2014**, 114, 616-25	15.7	154
82	DC isoketal-modified proteins activate T cells and promote hypertension. *Journal of Clinical Investigation*, **2014**, 124, 4642-56	15.9	277
81	The mosaic theory revisited: common molecular mechanisms coordinating diverse organ and cellular events in hypertension. *Journal of the American Society of Hypertension*, **2013**, 7, 68-74		51
80	Role of the NADPH oxidases in the subfornical organ in angiotensin II-induced hypertension. *Hypertension*, **2013**, 61, 382-7	8.5	83
79	Immune cells control skin lymphatic electrolyte homeostasis and blood pressure. *Journal of Clinical Investigation*, **2013**, 123, 2803-15	15.9	253
78	Mitochondrial superoxide in pro-hypertensive T-cell activation. *FASEB Journal*, **2013**, 27, 906.8	0.9	0
77	Thick Ascending Limb-Specific NOS1 Knockout Reduces Urinary Osmolality in Type 1 Diabetes. *FASEB Journal*, **2013**, 27, 910.12	0.9	
76	Blunted hypertensive response to Ang II infusion in IFN-g knockout mice: molecular mechanisms. *FASEB Journal*, **2013**, 27, 906.12	0.9	
75	The role of central memory CD8 T cells in the kidney and the role of these cells in genesis of hypertension. *FASEB Journal*, **2013**, 27, 905.7	0.9	

74	Lymphocyte-specific adaptor protein, LNK, inhibits angiotensin II-induced hypertension and inflammation. *FASEB Journal*, **2013**, 27, 708.15	0.9	
73	Renal denervation prevents renal T cell activation in mice during angiotensin II-induced hypertension. *FASEB Journal*, **2013**, 27, lb696	0.9	
72	Stress-dependent hypertension and the role of T lymphocytes. *Experimental Physiology*, **2012**, 97, 1161-7	2.4	27
71	Vascular inflammatory cells in hypertension. *Frontiers in Physiology*, **2012**, 3, 128	4.6	119
70	T lymphocytes and vascular inflammation contribute to stress-dependent hypertension. *Biological Psychiatry*, **2012**, 71, 774-82	7.9	68
69	Alterations of T cell receptor V□chain usage in angiotensin IIinduced hypertension. *FASEB Journal*, **2012**, 26, 879.3	0.9	
68	Rapid and Specific Measurements of Superoxide Using Fluorescence Spectroscopy. *FASEB Journal*, **2012**, 26, 578.3	0.9	1
67	Creating of GTP Cyclohydrolase-1 Knock in Mouse. *FASEB Journal*, **2012**, 26, lb642	0.9	
66	Inflammation, immunity, and hypertension. *Hypertension*, **2011**, 57, 132-40	8.5	565
65	Tetrahydrobiopterin deficiency and nitric oxide synthase uncoupling contribute to atherosclerosis induced by disturbed flow. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 1547-54	9.4	41
64	Role of increased guanosine triphosphate cyclohydrolase-1 expression and tetrahydrobiopterin levels upon T cell activation. *Journal of Biological Chemistry*, **2011**, 286, 13846-51	5.4	19
63	Interleukin 17 promotes angiotensin II-induced hypertension and vascular dysfunction. *Hypertension*, **2010**, 55, 500-7	8.5	510
62	Inhibition and genetic ablation of the B7/CD28 T-cell costimulation axis prevents experimental hypertension. *Circulation*, **2010**, 122, 2529-37	16.7	189
61	Induction of hypertension and peripheral inflammation by reduction of extracellular superoxide dismutase in the central nervous system. *Hypertension*, **2010**, 55, 277-83, 6p following 283	8.5	137
60	Central and peripheral mechanisms of T-lymphocyte activation and vascular inflammation produced by angiotensin II-induced hypertension. *Circulation Research*, **2010**, 107, 263-70	15.7	243
59	Upregulation of Nox1 in vascular smooth muscle leads to impaired endothelium-dependent relaxation via eNOS uncoupling. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H673-9	5.2	133
58	Regulation of endothelial cell tetrahydrobiopterin pathophysiological and therapeutic implications. *Advances in Pharmacology*, **2010**, 60, 107-32	5.7	32
57	Role of the adaptive immune system in hypertension. *Current Opinion in Pharmacology*, **2010**, 10, 203-7	5.1	118

56	Therapeutic targeting of mitochondrial superoxide in hypertension. *Circulation Research*, **2010**, 107, 106-16	15.7	541
55	Inhibition of T cell Costimulation Prevents the Development of Hypertension. *FASEB Journal*, **2010**, 24, 983.1	0.9	
54	Monitoring GTPCH-1 Interaction with GFRP Using Time-Resolved Fluorescence Resonance Energy Transfer. *FASEB Journal*, **2010**, 24, 871.3	0.9	
53	Interleukin 17 promotes atherosclerosis and protects against aneurysmal rupture. *FASEB Journal*, **2010**, 24, 589.8	0.9	
52	Oral Tetrahydrobiopterin Treatment Prevents Accelerated Atherosclerosis Caused by Oscillatory Shear Stress. *FASEB Journal*, **2010**, 24, lb565	0.9	
51	Superoxide production in the medullary thick ascending limb modulates blood pressure. *FASEB Journal*, **2010**, 24, 792.5	0.9	
50	Stimulation of GTP Cyclohydrolase I by Phosphorylation Upon T Cell Activation. *FASEB Journal*, **2010**, 24, lb187	0.9	
49	Oxidative stress and hypertension. *Medical Clinics of North America*, **2009**, 93, 621-35	7	223
48	Enhanced hype. *American Journal of Cardiology*, **2008**, 102, 368-9	3	3
47	Calcium-dependent NOX5 nicotinamide adenine dinucleotide phosphate oxidase contributes to vascular oxidative stress in human coronary artery disease. *Journal of the American College of Cardiology*, **2008**, 52, 1803-9	15.1	209
46	Molecular mechanisms of angiotensin II-mediated mitochondrial dysfunction: linking mitochondrial oxidative damage and vascular endothelial dysfunction. *Circulation Research*, **2008**, 102, 488-96	15.7	555
45	Is hypertension an immunologic disease?. *Current Cardiology Reports*, **2008**, 10, 464-9	4.2	64
44	Importance of the chemokine RANTES in the development of angiotensin II-induced hypertension and vascular dysfunction. *FASEB Journal*, **2008**, 22, 1210.8	0.9	
43	Measurement of reactive oxygen species in cardiovascular studies. *Hypertension*, **2007**, 49, 717-27	8.5	414
42	Role of the T cell in the genesis of angiotensin II induced hypertension and vascular dysfunction. *Journal of Experimental Medicine*, **2007**, 204, 2449-60	16.6	1218
41	Role of the multidrug resistance protein-1 in hypertension and vascular dysfunction caused by angiotensin II. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 762-8	9.4	74
40	Oxidative stress and hypertension. *Journal of the American Society of Hypertension*, **2007**, 1, 30-44		90
39	Bone morphogenic protein-4 induces hypertension in mice: role of noggin, vascular NADPH oxidases, and impaired vasorelaxation. *Circulation*, **2006**, 113, 2818-25	16.7	107

38	Endothelial deficiency of sepiapterin reductase in hypertension and its impact on sepiapterin as an eNOS-recoupling agent. *FASEB Journal*, **2006**, 20, A652	0.9	
37	Angiotensin II-induced hypertrophy is potentiated in mice overexpressing p22phox in vascular smooth muscle. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H37-42	5.2	85
36	Hemodynamic and biochemical adaptations to vascular smooth muscle overexpression of p22phox in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H7-12	5.2	69
35	The role of the multidrug resistance protein-1 in modulation of endothelial cell oxidative stress. *Circulation Research*, **2005**, 97, 637-44	15.7	104
34	ATVB in focus: redox mechanisms in blood vessels. *Arteriosclerosis, Thrombosis, and Vascular Biology* , **2005**, 25, 274-8	9.4	271
33	Can vitamin E prevent cardiovascular events and cancer?. *Nature Clinical Practice Cardiovascular Medicine*, **2005**, 2, 510-1		11
32	Akt-dependent phosphorylation of serine 1179 and mitogen-activated protein kinase kinase/extracellular signal-regulated kinase 1/2 cooperatively mediate activation of the endothelial nitric-oxide synthase by hydrogen peroxide. *Molecular Pharmacology*, **2003**, 63, 325-31	4.3	159
31	Endothelial control of vasomotion and nitric oxide production. *Cardiology Clinics*, **2003**, 21, 289-302	2.5	50
30	The vascular NAD(P)H oxidases as therapeutic targets in cardiovascular diseases. *Trends in Pharmacological Sciences*, **2003**, 24, 471-8	13.2	583
29	Oxidation of tetrahydrobiopterin leads to uncoupling of endothelial cell nitric oxide synthase in hypertension. *Journal of Clinical Investigation*, **2003**, 111, 1201-9	15.9	530
28	Oxidation of tetrahydrobiopterin leads to uncoupling of endothelial cell nitric oxide synthase in hypertension. *Journal of Clinical Investigation*, **2003**, 111, 1201-1209	15.9	1166
27	Role of p47(phox) in vascular oxidative stress and hypertension caused by angiotensin II. *Hypertension*, **2002**, 40, 511-5	8.5	485
26	NAD(P)H oxidase-derived hydrogen peroxide mediates endothelial nitric oxide production in response to angiotensin II. *Journal of Biological Chemistry*, **2002**, 277, 48311-7	5.4	149
25	Induction of endothelial NO synthase by hydrogen peroxide via a Ca(2+)/calmodulin-dependent protein kinase II/janus kinase 2-dependent pathway. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 1571-6	9.4	130
24	Dysfunctional regulation of endothelial nitric oxide synthase (eNOS) expression in response to exercise in mice lacking one eNOS gene. *Circulation*, **2001**, 103, 2839-44	16.7	116
23	Endothelial regulation of vasomotion in apoE-deficient mice: implications for interactions between peroxynitrite and tetrahydrobiopterin. *Circulation*, **2001**, 103, 1282-8	16.7	618
22	Diabetes mellitus enhances vascular matrix metalloproteinase activity: role of oxidative stress. *Circulation Research*, **2001**, 88, 1291-8	15.7	377
21	Oxidative stress and vascular damage in hypertension. *Coronary Artery Disease*, **2001**, 12, 455-61	1.4	75

20	Oxidant Stress as a Marker for Cardiovascular Events. *Circulation*, **2001**, 104, 2638-2640	16.7	91
19	Out, damned dot: studies of the NADPH oxidase in atherosclerosis. *Journal of Clinical Investigation*, **2001**, 108, 1423-4	15.9	37
18	Transcriptional and posttranscriptional regulation of endothelial nitric oxide synthase expression by hydrogen peroxide. *Circulation Research*, **2000**, 86, 347-54	15.7	350
17	Endothelial dysfunction in cardiovascular diseases: the role of oxidant stress. *Circulation Research*, **2000**, 87, 840-4	15.7	2993
16	Increased superoxide in heart failure: a biochemical baroreflex gone awry. *Circulation*, **1999**, 100, 216-8	16.7	137
15	Dual role of reactive oxygen species in vascular growth. *Circulation Research*, **1999**, 85, 562-3	15.7	128
14	Superoxide production, risk factors, and endothelium-dependent relaxations in human internal mammary arteries. *Circulation*, **1999**, 99, 53-9	16.7	92
13	Posttranscriptional regulation of endothelial nitric oxide synthase during cell growth. *Circulation Research*, **1999**, 85, 588-95	15.7	69
12	Evidence for a causal role of the renin-angiotensin system in nitrate tolerance. *Circulation*, **1999**, 99, 3181	16.7	89
11	Reactive oxygen species and the control of vasomotor tone. *Current Hypertension Reports*, **1999**, 1, 102-8	4.7	32
10	Role of NADH/NADPH oxidase-derived H2O2 in angiotensin II-induced vascular hypertrophy. *Hypertension*, **1998**, 32, 488-95	8.5	551
9	Endothelial Function and Oxidant Stress. *Clinical Cardiology*, **1997**, 20, II-11	3.3	116
8	Expression of multiple isoforms of nitric oxide synthase in normal and atherosclerotic vessels. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 2479-88	9.4	382
7	Evidence for a role of oxygen-derived free radicals and protein kinase C in nitrate tolerance. *Journal of Molecular Medicine*, **1997**, 75, 891-900	5.5	52
6	Role of superoxide in angiotensin II-induced but not catecholamine-induced hypertension. *Circulation*, **1997**, 95, 588-93	16.7	533
5	p22phox mRNA expression and NADPH oxidase activity are increased in aortas from hypertensive rats. *Circulation Research*, **1997**, 80, 45-51	15.7	363
4	Modulation of endothelial cell nitric oxide synthase expression. *Japanese Circulation Journal*, **1996**, 60, 815-21		14
3	Effects of shear on endothelial cell calcium in the presence and absence of ATP. *FASEB Journal*, **1995**, 9, 968-73	0.9	52

2	Molecular regulation of the bovine endothelial cell nitric oxide synthase by transforming growth factor-beta 1. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1995**, 15, 1255-61	9.4	140
1	Oxidative Stress and Vascular Inflammation94-104		